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This catalog may be viewed on the West Liberty University website:

WestLiberty.edu

Our 177th Year

Chartered by the Legislature of Virginia
March 30, 1837

Chartered by the Legislature of West Virginia
March 1, 1870

WEST LIBERTY UNIVERSITY BULLETIN

Volume 59 **August 2013**

For additional information, write: Registrar, West Liberty University, West Liberty, WV 26074 • Phone (304) 336-8007.

West Liberty University is an Equal Opportunity-Affirmative Action institution. In compliance with Title VII of the Civil Rights Act, West Virginia Human Rights Act, Title IX (Educational Amendments of 1972), Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act, and other applicable laws and regulations, the institution provides equal opportunity to all prospective and current members of the student body, faculty, and staff on the basis of individual qualifications and merit without regard to race, sex, religion, age, national origin, disability, or veterans status as identified and defined by law.

The institution neither affiliates knowingly with, nor grants recognition to, any individual, group or organization having policies that discriminate on the basis of race, color, age, religion, sex, sexual orientation, national origin, disability, or veterans status as defined by applicable laws and regulations.

Inquiries concerning the application of the above statement should be addressed to: James R. Stultz, Vice-President, Human Resources/Affirmative Action Officer, West Liberty University, 208 University Drive, College Union Box 131, West Liberty, WV 26074; E-Mail: jstultz@westliberty.edu; Phone: 304.336.8029.

The policies and practices listed in this publication are those in effect as of May 1, 2013 and are subject to change. If there are changes which are effective for the 2013-2014 academic year, insofar as possible, these will be announced in* The Trumpet or by email, *and by means of other publications.

Every effort has been made to assure the accuracy of the information in this publication. Students are advised, however, that such information is subject to change without notice. Therefore, students should always consult the appropriate academic departments or administrative offices for current information.

WEST LIBERTY UNIVERSITY • ACADEMIC YEAR CALENDAR FOR 2013-2014

FALL SEMESTER** 2013

Residence halls open for new students – freshmen and transfers (10:00 a.m.) ..... 23 August
Highlands Center First-Half Saturday Classes begin ..... 24 August
Freshman Orientation ..... 23-25 August
Residence halls open for upperclassmen (10:00 a.m.) ..... 25 August
Registration (7:30 a.m. - 8:30 a.m.) ..... 26 August
Classes begin (9:00 a.m.) ..... 26 August
Labor Day – no classes – day or night ..... 2 September
Last day to enroll or add classes ..... 4 September
No applications for December graduation will be accepted after ..... 27 September
Mid-Term ..... 18 October
Homecoming ..... 19 October
Highlands Center Second-Half Saturday Classes begin ..... 19 October
Second-Half classes begin ..... 24 October
Last day to add Second-Half classes ..... 24 October
Fall Holiday - no classes - offices open ..... 25 October
Pre-registration for spring and summer terms ..... 28 October-15 November
Fall Open House ..... 2 November
Two-thirds point of semester – last day to withdraw with a grade of "W" ..... 8 November
Classes end at 9:00 p.m. for Thanksgiving Break ..... 26 November
Thanksgiving Break ..... 27-29 November
Last day of classes and last day to drop a class ..... 6 December
Final Examinations ..... 9-13 December
Last day to apply for May graduation without late fee ..... 13 December
Commencement (11:00 a.m.) ..... 14 December

SPRING SEMESTER ** 2014

Highlands Center First-Half Saturday Classes begin ..... 11 January
Residence halls open for students (1:00 p.m.) ..... 12 January
Registration (7:30 a.m. – 8:30 a.m.) ..... 13 January
Classes begin (9:00 a.m.) ..... 13 January
Martin Luther King Day-no classes day or night ..... 20 January
Last day to enroll or add classes ..... 22 January
Mid-Term ..... 7 March
No applications for May graduation will be accepted after ..... 7 March
Highlands Center Second Half Saturday Classes begin ..... 8 March
Spring Break ..... 10-14 March
Second-Half classes begin ..... 17 March
Last day to add Second-Half classes ..... 21 March
Pre-registration for summer and fall terms ..... 31 March-17 April
Two-thirds point of semester – last day to withdraw with a grade of "W" ..... 4 April
Spring Open House ..... 5 April
Spring Holiday - no classes - offices open ..... 18 April
Last day of classes and last day to drop a class ..... 2 May
Final Examinations ..... 5-9 May
Last day to apply for December graduation without late fee ..... 9 May
Commencement (11:00 a.m.) ..... 10 May

SUMMER TERMS 2013:

Summer I Term (No classes on Election Day, May 13/Memorial Day-26 May) ..... 12 May-33 May
Summer II Term ..... 2-20 June
Summer III Term (No classes on Independence Day-4 July) ..... 23 June-11 July
Summer IV Term ..... 14 July-1 August

**More than three (3) days of emergency closing may result in a reduction of the number of available days for holidays. Every attempt will be made to adhere to this calendar; however, it is subject to change with approval of the Provost.

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John McCullough, Ph.D.	Executive Assistant to the President

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Vacant	Assistant Women's Basketball Coach
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Gary Krol, B.A.	Assistant Football Coach
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Courtney Drahos, B.A.	Administrative Associate

(HIGHLANDS CENTER)
REPORTS TO: Scott Cook, M.A.

Sara Sweeney, M.Ed.	***Campus Manager***
Megan S. Doyle, B.S., B.A.	Office Assistant

HISTORICAL NOTE

West Liberty University is a forward-looking, four-year public university steeped in a rich heritage as West Virginia's oldest institution of higher education. Established as West Liberty Academy in 1837 (26 years before the state was admitted to the Union), it was created to respond to the need for higher educational opportunities west of the Appalachian Ridge. The institution is named for the town in which it is located. West Liberty was so named in the late 18th Century as the westernmost point of the new liberty provided through the Declaration of Independence.

GEOGRAPHICAL NOTE

Located in the narrow northern panhandle of West Virginia between southwestern Pennsylvania and eastern Ohio, the beautifully landscaped campus spans a hilltop vista. While the rural setting provides relative seclusions for study and contemplation, West Liberty University's proximity to cities gives students ample opportunity for internships, employment and recreation. The cities of Wheeling, West Virginia, and Steubenville, Ohio, are within a half-hour driving time, while Pittsburgh, Pa., is about an hour away.

The sprawling 1500-acre Oglebay Resort and Conference Center is a ten-minute drive from campus. If offers a variety of activities, including golf, tennis, swimming, hiking, picnicking, dining, and lodging. Other amenities include lakes, a zoo, a mansion museum, an astronomy observatory, and acres of flower gardens.

STUDENTS AND CURRICULA

Students are recognized and respected as individuals, while enjoying a friendly atmosphere and a safe, fun place to grow and learn.

West Liberty University offers strong liberal arts and professional programs preparing graduates for successful employment or post-graduate studies.

Other outstanding programs offered include health professions, natural sciences, mathematics, art, English, communications, criminal justice, psychology, social sciences and exercise physiology. Pre-professional programs are also available in dentistry, engineering, medicine, pharmacy, optometry, and speech pathology.

Graduate programs in Education and Physician Assistant Studies have been added to the program of studies.

PHILOSOPHY AND AIMS OF WEST LIBERTY UNIVERSITY

PHILOSOPHY

West Liberty University recognizes that its resources should primarily serve its students but that it has responsibilities to serve the community in other areas and to assist faculty and staff members to grow in their professional competencies.

West Liberty University recognizes its obligation to promote the development of the intellectual, cultural, social, physical, emotional, moral, and vocational capacities of all persons within its sphere of influence. However, since individuals mature in varying degrees, the university cannot fully realize all of its goals but is committed to assisting each individual to develop their potential as a contributing member of society.

In harmony with the general purposes of West Liberty University, each major division of instruction has particular objectives. The institution offers opportunities to accomplish these objectives by providing guidance and direction and by encouraging freedom of thought and action.

GENERAL GOALS OF WEST LIBERTY UNIVERSITY

While each major division of organization has its own particular objectives, they are all committed to the realization of the general goals of the university, and they derive their principal purposes from these goals.

1. First, the institution maintains eight student development goals:
   A. Ability to think critically.
   B. Ability to demonstrate effective oral communication.
   C. Ability to demonstrate writing proficiency.
   D. Ability to demonstrate technology literacy.
   E. Adoption of a global view of the world and demonstrate knowledge of diversity.
   F. Ability to show proficiency in basic mathematics and scientific reasoning.
   G. Ability to display an overview of wellness.
2. The institution is committed to policies and programs contributing to the ongoing process of the professional development and growth of its faculty and staff as a second long range goal.
3. The third long range goal is to promote community service, whereby the institution's faculty, staff, and students contribute to the community according to their skills and abilities.
4. The development of quality teaching constitutes a fourth long range goal of the institution. However, other professional and extracurricular contributions are also to be encouraged and rewarded.
5. A fifth long range goal is to maintain an optimal balance among student enrollment, faculty size, and physical plant.
6. Finally, the institution intends to maintain goal relevance by measuring progress toward its goals and by periodically reviewing and assessing them.

MISSION

To provide our students the opportunity for a high quality undergraduate, graduate, and professional education.

CORE VALUES

Opportunity
Caring
Professionalism and Integrity
Excellence
Civic Engagement

VISION STATEMENT

West Liberty University will be the premier institution of higher learning in the Upper Ohio Valley by:

- Providing extensive opportunity and a positive environment for a high quality undergraduate, graduate, and professional education;
- Providing its students the academic offerings necessary to meet the professional and career needs of an evolving, contemporary society;
- Providing a comprehensive and significant liberal arts foundation that will prepare its students to communicate effectively, think critically and assume

productive roles as citizens of their communities;

- Achieving excellence in all facets of university life including academics, student experiences, athletics, visual and performing arts;
- Standing as a vigorous and vibrant source for the creation of knowledge through innovative and creative research and scholarly activity;
- Standing as an active member and contributor to the community through social, civic, and economic engagement activities that will include productive partnerships with K-12 schools, businesses, and nonprofit organizations, and
- Building strong and enduring relationships with alumni, benefactors, and the community, in general.

STRATEGIC GOALS

In addition to the general goals of the university, West Liberty University annually updates its strategic plan as mandated by West Virginia Senate Bill 547. The annual strategic planning retreat, composed of a broad representation of faculty, staff, students, and administrators, requires a review of goals, updates the status of progress toward the goals, and recommends changes as necessary. West Liberty University's strategic goals that guide institutional planning are as follows:

I. Establish an academic environment that contributes to the improvement of learning and accountability, innovation, and economic growth.
   1. Expand curricular opportunities to include high demand fields, the global economy, and professional development.
   2. Promote teaching and learning through general studies education, international programs, and graduate study opportunities.
   3. Assure accountability through continuous improvements in student learning outcomes and faculty performance.
   4. Foster a robust environment that stimulates scholars and students toward creativity, research, and innovation.

II. Create a student life plan focused on access, cost and affordability.
   1. Engage increasing numbers of students in higher education through expanding access and promoting opportunities available to traditional and nontraditional students and to adults.
   2. Provide an affordable education through maximizing institutional efficiencies and increasing scholarship opportunities.

III. Upgrade and expand university facilities including academic buildings, recreational and residential facilities/complexes.

IV. Productively engage the students, staff, and faculty with the community within its scope of influence.

ACCREDITATION

West Liberty University's basic accreditation is by The Higher Learning Commission of the North Central Association of Colleges and Schools (NCA). The complete address for North Central is: North Central Association of Colleges and School, The Higher Learning Commission, 230 South LaSalle Street, Suite 7-500, Chicago, IL 60604-1411. Phone: 1-800-621-7440. The university is accredited for professional preparation in teacher education by the National Council for Accreditation of Teacher Education and the West Virginia Department of Education. West Liberty University is also an accredited institutional member of the National Association of Schools of Music. The Sarah Whitaker Glass School of Dental Hygiene is accredited by the American Dental Association Commission on Dental Accreditation (211 E. Chicago Avenue, Chicago, IL 60611, 312-440-4653), and the Clinical Laboratory Sciences Program by the National Accrediting Agency for Clinical Laboratory Science (NAACLS, 8410 West Bryn Mawr Ave., Suite 670, Chicago, IL 60631, 773-714-8880), and the Nursing Program by the Commission on Collegiate Nursing Education, One Dupont Circle, NW, Suite 530, Washington, DC 20036 (202-887-6791). The programs offered by the Gary E. West College of Business are accredited by the International Assembly for Collegiate Business Education (IACBE, P.O. Box 3960, Olathe, KS 66063). The Exercise Physiology Program is accredited by the American Society of Exercise Physiologists (ASEP, 1200 Kenwood Avenue, Duluth, MN 55811, 218-723-6297).

CAMPUS FACILITIES

ACADEMIC, SPORTS AND RECREATION COMPLEX - The complex features an exercise physiology suite, three classrooms wired for computer technology, a conference center, a wellness/fitness center, team rooms and administrative office area.

The multi-purpose arena includes a competition basketball-volleyball court and three additional modules for classes, intramurals, athletic team practices/ events and numerous other functions.

The entire complex totals more than 145,000 square feet. The project involved the connection of two buildings, **Blatnik** and **Bartell** halls, and the construction of a state-of-the-art 27,000 square foot multi-purpose arena.

The **Blatnik** building is now the **Blatnik** "Wing" and is named for Dr. Albert Blatnik, long-time coach, director of athletics, and chairperson of the Department of Physical Education. This area consists of a recently-renovated gymnasium, four classrooms, numerous offices, a four-lane swimming pool and a wrestling practice room.

The **Bartell** "Wing," named for Dr. Joseph Bartell, former dean, athletic director and multi-sport coach, houses four racquetball courts, three classrooms, lockers, a training room, an athletic weight room, a wellness center, offices, and connects with the new arena.

THE ANNEX Located on Faculty Drive, the Annex houses the ceramics and pottery classrooms and laboratory and the office of the custodial services supervisor.

ARNETT HALL OF NATURAL SCIENCES This building was named for Denver F. Arnett, Academic Dean of West Liberty University from 1955 to 1970. The complex includes

12 laboratories, six general purpose classrooms, a computer laboratory, faculty offices, and houses the Biology and Chemistry Programs. A greenhouse is located on the south end of the building. The laboratories house state-of-the-art instrumentation for instructional and research purposes.

COLLEGE HALL The Helen Pierce Elbin Auditorium seats 450 and serves as a recital hall and center for lectures and other public programs. It is equipped with a 42rank, threemanual Moeller pipe organ and two concert grand pianos. The building houses voice studios, a music education classroom, and a recording studio.

COLLEGE UNION Your home away from home is the hub of service and activity at West Liberty University. The Union is designed to serve the social and extracurricular needs of the students, faculty, staff, administration, and guests. The Union serves as a conduit for those services and amenities that make the out-of-class experience a positive aspect of collegiate life.

The Union operates on a schedule that complements the academic timetable. By providing lounges, a Sodexo food court, a Subway franchise, an ATM, and a campus service center (mailroom, I.D. card operation, etc), the Union helps make the transition from home to WLU a pleasant experience. The bookstore, the student newspaper, and the campus radio station are also provided in the Union.

The College Union also houses the College Union Office, and the Student Activities Office. These offices provide programs, services, and facilities to enhance the college experience. In addition to general information, vending services, and reserving space within the Union and Interfaith Chapel, this office also is the center for all clubs and organizations on campus. The Student Activities Office is the center for the Student Activities Board, which plans and implements campus activities and publishes the activities calendar.

HALL OF FINE ARTS Administrative center of the College of Arts and Communications. The Hall of Fine Arts houses Kelly Theatre, art studios, the Nutting Art Gallery, music practice rooms, electronic piano labs, Disklavier piano studios, choral room, band rooms, general classrooms, and faculty offices.

HIGHLANDS CENTER - The new West Liberty building at the Highlands location has nine high-tech classrooms and 20,000 square feet of space. The state-of-the-art facility houses several degree programs including the Masters of Arts in Education, Regents Bachelor of Arts, Bachelor of Applied Science (BLA), along with a number of undergraduate courses. The facility is located at Cabela Drive (Exit 10) off I-70 just east of Wheeling, W.Va.

INTERFAITH CHAPEL This worship center seats 175 and is equipped with a 33rank, threemanual Moeller pipe organ and a grand piano. Other facilities include five offices and the Ellwood Social Room.

MAIN HALL This four story structure, located on the circle just beyond the main entrance, houses several academic sections and also serves as the major classroom area. Information technology services are centralized here. The building includes the Curtis and McColloch wings, which were the two original academic facilities on campus. These structures were named for pioneer West Liberty families who played important roles in the early development of West Liberty University.

MEDIA ARTS CENTER - The Media Arts Center is a state-of-the-art facility housing a music technology computer lab, digital media design lab, recording studio, television studio, and graphic design lab.

MYERS MAINTENANCE BUILDING Named for Thomas E. Myers, superintendent of buildings and grounds from 1958 to 1971, this building is home to the Physical Plant and Facilities Management departments. As the central hub for campus maintenance activities and construction project management, this facility includes automotive repair bays, a carpenter shop, paint room, storeroom, two loading docks, an adjacent grounds storage facility and CAD capabilities.

PAUL N. ELBIN LIBRARY The three story building was named in honor of Paul N. Elbin, President of West Liberty State College from 1935 until 1970. The library collection consists of more than 200,000 print volumes, 800 hard copy periodical and newspaper subscriptions, access to several thousand online periodical subscriptions, electronic databases, Internet connection (including wireless access), and numerous titles in media or microform formats.

On the main floor is the Information Commons including public computer access; reference services; library education classroom; circulation services; and the fiction, audiovisual, DVD, music and periodical collections. Photocopy machines for print and microforms are located near the periodical section. Word processing stations and Internet access stations, as well as digital imaging, are located on this floor.

The third floor houses most of the open stack circulating collection including the children's literature section. Also found on the third floor are the Special Collections: the Nelle M. Krise Rare Book Room that features a collection of books tracing the history of book making, and the WLU archives. In addition, rooms and areas are available for conferences, seminars, meetings, group and individual study -- and most are equipped for the latest technology.

The Humanities Department offices, classrooms, computer lab, and major's lounge are located on the lower level of the building.

RESIDENCE HALLS - There are seven residence halls for students located on campus, one townhouse apartment complex located in the area of faculty housing, an apartment complex located across the street (Rt. 88) from campus, and three student houses.

RUSSEK FIELD Named for the community leader Stephen J. Russek, the football field is a beautiful Mondo Turf arena with a seating capacity of 4,000, along with a lighted walking track.

SHAW HALL Formerly a women's residence hall named for John Shaw, president from 1908-1919. Shaw was renovated and reopened in 2012. It houses all administrative offices on campus, in addition to the departments of Cam-

pus Police and Health Services. Shaw Hall is listed on the National Registry of Historic Places.

SHOTWELL HALL Formerly a men's residence hall named for the Reverend Nathan Shotwell, D.D., founder of West Liberty Academy, Shotwell Hall currently houses faculty offices and a GIS lab. This building has been placed on the National Register of Historic Places.

STANDING COMMITTEES

Except as noted, the Provost or designee is chairperson. Faculty members are appointed by the president. All students listed on standing committees have full voting membership privileges.

Academic Dishonesty: Hears cases of those students who desire to appeal charges of academic dishonesty (e.g., cheating, fabrication, collaboration, destruction of reference sources, and plagiarism).

Academic Appeals: Hears cases of students who desire to appeal a final course grade.

Admissions and Credits: Administers faculty policies and state regulations regarding problems related to admissions and credits. Members: the Registrar, the Provost or designee, one faculty member elected by the Faculty Senate, one staff member, and one student elected by Student Government. Registrar serves as the chair.

Athletics Rules Compliance: Administers the institution's compliance with National Collegiate Athletic Association (NCAA), Mountain East Conference (MEC) rules and regulations, along with federal and state laws that govern and direct intercollegiate athletics. Members: the Faculty Athletics Representative, the Director of Athletics, the Senior Women's Administrator, the Registrar and Director of Financial Aid, the Director of Admissions, the Athletics Compliance Coordinator, and the Athletics Academic Advisor.

Assessment and Accreditation: The Assessment and Accreditation Committee includes faculty representatives from each College. This committee reviews academic assessment reports required by the Board of Governors during the Program Review process or as subsequent follow-up reports. Assessment and Accreditation Committee recommendations are shared with the Provost, College Dean, Department Chair, and Faculty Assessment Coordinator for each academic program under review. Final recommendations are shared with the University Board of Governors.

Concert Series: Selects performers and formulates policies pertaining to the Concert Series. Members: the Dean of the College of Arts and Communication, the Chairperson of the Department of Music and Theater, two faculty members, and one student elected by Student Government.

Council of Department Chairpersons: Shares information about mutual problems for the purpose of effecting solutions; works cooperatively with other administrators, faculty, and students; makes formal recommendations when necessary in any and all areas of campus and academic life to the appropriate person or body including but not limited to the President and the Provost. Members: Department chairpersons of all academic departments.

Council of College Deans: Shares information about mutual problems for the purpose of effecting solutions; works cooperatively with other administrators, faculty, and students; makes formal recommendations when necessary in any and all areas of campus and academic life to the appropriate person or body including but not limited to the President, Provost, Curriculum Committee, and Faculty Senate. Members: the Provost, and the college deans.

Curriculum: Considers proposals for new degree programs, any major or minor program additions or deletions within a degree program, modifications in the general studies program, and any curricular changes by one college that affect course offerings of other colleges; acts on course additions, deletions, credits, and descriptions. Proposals for new degree programs and modification to the general studies program are sent to Faculty Senate for their consideration. Members: the Provost, the college deans, one faculty member from each college, a representative of the Council of Department Chairpersons, the Registrar, and one student elected by Student Government.

Teacher Education/EPPAC: Provides university leadership for the teacher education programs: reviews, evaluates, and recommends program policies and serves as a communicating and coordinating body between the Department of Professional Education and other academic departments with teacher education programs. Voting members seventeen: two representatives from the Department of Professional Education: The Director of Teacher Education and the department chairperson; six representatives from the four colleges: number is determined by the number of education programs in the college; two education student representatives; five representatives from public and/or private schools; and one representative from the W.Va. State Department of Education. The Director of Student Teaching serves as a nonvoting, exofficio member. The Director of Teacher Education chairs the committee.

Faculty Development: Meets regularly to manage the faculty development fund. Responsibilities include establishment of guidelines, approval of request for funding professional scholarly activities, and dissemination of information related to faculty development. Members: faculty members appointed from each college, a department chairperson, a college dean, and the Provost or designee.

Financial Aid: Recommends and reviews policy for the operation of the financial aid program; serves as a student appeal board on matters related to the student financial aid. Members: a representative from the Enrollment Services division, the Financial Aid Director, one faculty member, and one student.

General Studies Assessment: Include faculty representaties from all academic areas. This committee provides oversight of the assessment of the general studies program and assists with developing and approving rubrics and other measures of student learning for the assessment of general studies skills.

Honors Council: Administers the honors program. The council consists of two faculty members from each college, two faculty elected at large, a student elected from the honors program, the Provost, a designee, and the Director of the Honors Program, who serves as chair.

Honorary Degrees and Recognition: Reviews nominations for honorary degrees, emeritus status and other awards according to established guidelines and criteria. Members: Provost (chair), one faculty member elected by Faculty Senate, one staff elected by Classified Staff Council, one student elected by Student Government Association, and the Alumni Association Liaison.

Interdisciplinary Studies: Administers the Bachelor of Interdisciplinary Studies Program. Designs, implements, and evaluates degree program policies, procedures, and requirements under the auspices of the Office of the Provost. Members: the coordinator and faculty representing each of the five colleges of instruction.

Interfaith Campus Ministry: Meets one time per semester of each academic year with representatives from the various campus ministries to foster unity, integrity, and respect among groups, to receive reports of their activities, and to assist in resolving problems pertaining to scheduling, facilities, and programming. Membership is open to appointed or designated representatives of any Christian group or faith community working on the West Liberty University campus.

Internationalization: Provides leadership for increasing opportunities for students to expand their knowledge of global issues on campus and abroad. Membership includes the Provost or designee, faculty, staff, and students.

Multicultural Education and Diversity: The Multicultural Education and Diversity Committee is a campus and community-wide committee which provides leadership and development in the areas of multicultural education and diversity. The committee includes faculty representatives from the five colleges appointed by the Deans, and the Office of Admissions. In addition, the following individuals serve on the committee: two students, the Chair of the Faculty Development Committee, the NCATE coordinator, and the Dean of Students or designee.

Protection of Human Subjects: Establishes and maintains guiding principles which will elicit the highest professional standards in dealing with experimental human subjects in order to provide assurances that proper standards are met and procedures do not infringe upon the safety, health, and welfare of subjects at risk. Members: Chair, Dean, College of Sciences, and four faculty members representing the other colleges, appointed by the respective college dean.

Residency Appeal: Hears cases of those students who desire to appeal tuition residency status. Members: three faculty members and one student elected by student government who is classified as an out-of-state student for purposes of tuition payment.

Staff Development: Meets regularly to design and implement opportunities and programs for the personal development of classified staff. Provides reimbursement of travel expenses for events or conferences, tuition and/or fees associated with class of service to the institution.

Student Research: A faculty-led committee charged with increasing research activities among students and facilitating an annual student research competition.

FEDERAL AND STATE FINANCIAL AID

HIGHER EDUCATION ADULT PART-TIME STUDENT GRANT (HEAPS): A need-based grant available to West Virginia residents who are independent (as determined by Federal aid requirements) and registered as a part-time student (between three and 11 credit hours). This grant is paid towards the student's tuition and fees and awards are contingent on available funding. The FAFSA form is required for this grant. The student must also complete a HEAPS Application Form in the ESC Office.

PELL GRANT PROGRAM: A federal non-repayable grant made to students based on financial need. The current grant amount ranges from $600 to $5,645 for full-time students.

WEST VIRGINIA GRANT PROGRAM: Is a non-repayable grant applied based on financial need. This grant is only available to residents of West Virginia and normally has a FAFSA filing deadline of April 15.

PENNSYLVANIA STATE HIGHER EDUCATION GRANT PROGRAM: A non-repayable grant based on financial need. This grant is only available to residents of Pennsylvania. Students are encouraged to complete the FAFSA as early as possible for this grant. The grant amount usually ranges from $200 to $600 for students attending West Liberty.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (SEOG): A non-repayable grant made to students based on financial need. The current grant amount ranges from $100 to $4000.

TEACH GRANT: The Teacher Education Assistance for College and Higher Education (TEACH) Grant Program provides grants of up to $3,760 per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families. As a recipient of a TEACH Grant, you must teach for at least four academic years within eight calendar years of completing the program of study for which you received a TEACH Grant. IMPORTANT: If you fail to complete this service obligation, all amounts of TEACH Grants that you received will be converted to a Federal Direct Unsubsidized Stafford Loan. You must then repay this loan to the U.S. Department of Education. You will be charged interest from the date the grant(s) was disbursed. To receive a TEACH Grant you must meet a number of student eligibility requirements. Please contact the West Liberty University Financial Aid staff for additional information.

PERKINS LOAN: A loan that is awarded based on financial need. Repayment of the loan must begin nine months after the student graduates or ceases to be enrolled. The interest rate is 5% and is not applied until after the nine month grace period. The current loan amount ranges from $100 to $5,500. An Entrance Interview and Exit Interview are required for any student awarded this loan. The Entrance and Exit Interviews are conducted by the Business Office.

WORK STUDY: An employment position that is awarded to students showing financial need. The student is awarded work study through the Financial Aid staff and assigned to work in an office or department on campus. The student receives a paycheck twice monthly. The usual workload per week varies from five to 15 hours. The work-study award is not applied to the student's bill. The institutional April 15 deadline must be met in order to receive work-study. The student must also complete a work-study request in the Enrollment Services Office.

DIRECT LOAN PROGRAM: A federal subsidized and unsubsidized loan program available to all students. Maximum loan amounts are $5,500 (no more than $3,500 may be subsidized) for freshmen, $6,500 (no more than $4,500 may be subsidized) for sophomores, and $7,500 (no more than $5,500 may be subsidized) for juniors and seniors. The maximum loan amount for a graduate student is $20,500. Effective loan rates for the 2013-2014 academic year: Subsidized loans, 6.8%; Unsubsidized, 6.8%; Graduate loan interest rates: 6.8%. Repayment of the interest and principal begins six months after graduation or enrollment ceases. An Entrance Interview and Exit Interview are also required for any student receiving a Direct Loan. To apply for a Direct Loan, students must complete the FAFSA on line at www.fafsa.gov. Entrance and Exit Interviews are conducted by the Financial Aid staff, or also can be completed on line at studentloans.gov.

PLUS LOAN: A federal loan program available to parents. A PLUS Loan Data Request Form must also be completed in the Enrollment Services Center. The loan amount is determined either by the parent's request or by the eligibility remaining towards the student's cost of attendance. A credit check is required and will be processed by the Direct Loan Service. The current interest rate is 7.9%. Repayment is made through the Direct Loan Program and begins 60 days after the last disbursement of the loan is received. Usually the last disbursement is received in January. For loans disbursed after July 1, 2008, borrowers have the option of waiting until six (6) months after the dependent student on whose behalf the parent borrowed ceases to be enrolled on at least a half-time basis. PLUS Loans are also available to parents of graduate students. Please contact the West Liberty University ESC Office for additional information.

SATISFACTORY ACADEMIC PROGRESS FOR FINANCIAL AID ELIGIBILITY

This policy is effective with the start of the fall 2011 term. Federal Regulations require that students must be making measurable academic progress towards completion of an eligible degree or certification. This requires evaluation of both quantitative and qualitative academic progress as well as completion of degree objective within 150% of the normal timeframe. The policies described in this section pertain only to the awarding of financial aid.

Students failing to meet the University's satisfactory academic progress requirements will be ineligible for Federal Financial Aid which includes: Federal Pell Grant, Federal Stafford Loans, Federal PLUS Loans, Perkins Loans, Nursing Loans, Supplemental Educational Opportunity Grant. Students will be notified my mail and their WINS account should they need to appeal. A student will remain ineligible until such time the student meets the SAP requirements or has an appeal granted. ***Important: The W.Va. Higher Education Grant, W.Va. PROMISE Scholarship and the Pennsylvania Higher Education Assistance Agency Grant (PHEAA) each have a distinct set of academic renewal requirements. WLU will make these awards in accordance with the respective agencies' requirements.***

All periods of enrollment will be included in the measurement of satisfactory academic progress including terms in which the student enrolled but did not receive financial aid. Progress will be measured once per academic year at the end of the spring term. A student who is deemed ineligible and does not successfully appeal may have his/her SAP status reviewed on individual basis at the end of any payment period. This request must be made to the WLU Financial Aid Office in writing.

Qualitative Standards:

Students must meet a qualitative standard of academic progress measured through grade point average. The required G.P.A. is based upon the total number of credit hours attempted. Freshman & Sophomore level students must have an accumulative G.P.A. that shows a deficit of not more than eight (8) quality points below a 2.0 average. Undergraduate students entering their third year must have an accumulative G.P.A. of 2.0. Graduate students must have an accumulative G.P.A. of 2.5.

Quantitative Standard:

Students must meet a quantitative standard of academic progress measured by a percentage completion rate. Students must successfully complete 70% of all attempted credit hours. The calculation is made as follows: earned credit hours/attempted credit hours = completion rate. Courses with grades of "W", "WP", "WF" "I", "F", "FI", "N" and courses taken under the WLU class repeat regulations are included in attempted credit hours but are not included in earned credit hours. All credit, including transfer work, included on the student's academic transcript is also included.

Maximum Time Frame for Degree Completion:

Students must obtain their degree objective within 150% of the normal timeframe. Undergraduate students

in programs requiring 128 credit hours must complete their first baccalaureate degree within 192 attempted credit hours. Graduate students in programs requiring 36 credit hours must complete their master's degree program within 54 attempted credit hours.

Students pursuing second degrees may be considered for financial aid. A second undergraduate degree must be obtained within 60 attempted credit hours. A second master's degree must be completed within an additional 36 credit hours.

Federal Financial Aid shall be limited to two baccalaureate degrees and two master's degrees. Students wishing to pursue additional degrees beyond these may do so but without federal financial assistance.

Appeal Process:

Under certain extenuating circumstances a student may appeal the satisfactory academic progress requirements. These circumstances include personal injury or illness during a period of enrollment; death of an immediate family member or legal guardian during a period of enrollment; or other unexpected documented circumstances beyond the control of the student.

Appeals must be submitted to the WLU Financial Aid Office and must include supporting documentation of a student's extenuating circumstances. The deadline to submit an appeal will be documented in the student's notification of failure to meet SAP requirements. Appeals submitted after the published deadline will not be considered.

Financial Aid Probation:

Probation status for financial aid purposes will be assigned to a student who has failed to meet SAP requirements and who has had their SAP appeal granted. A student on financial aid probation may receive financial aid for one enrollment period. At the end of the probation period the student must meet SAP standards. Failure to do so will result in the student being ineligible for federal aid.

SCHOLARSHIPS

Scholarships are awarded on the basis of academic competence and/or special abilities. Scholarships are awarded by the Financial Aid Office to incoming freshmen on the basis of the ACT or SAT scores and high school grade point averages. Limited scholarships are awarded to transfer students based on university G.P.A. and high school grade point average, if necessary. Additionally, some scholarships are awarded by various departments of the university on the basis of students' majors and/or special abilities. More detailed information on each of the scholarships offered may be obtained by contacting the Financial Aid Office.

RESIDENT ASSISTANT POSITIONS

Resident Assistants are undergraduate students employed by the Office of Housing and Residence Life to provide leadership to a specific residence hall floor. Resident Assistants contribute to the social, recreational, judicial and maintenance components of the entire residence hall system. Resident assistant interviews are typically held in both the fall and spring semesters. Quallified applicants must be in good standing, both in academics and disciplinary. Interested students should contact the Office of Housing and Residence Life for additional information.

INTERCOLLEGIATE ATHLETICS PROGRAM

West Liberty University's Intercollegiate Athletics Program is an integral part of the institution's total educational mission. Sixteen men's and women's sports are offered, providing diverse opportunities to accommodate students' abilities and varying interests (football, women's volleyball, men's and women's tennis, men's and women's cross country, men's and women's basketball, wrestling, women's softball, women's soccer, men's baseball, men's and women's track, men's and women's golf. There is also a coed cheerleading squad).

WLU belongs to the Mountain East Conference as well as Division II of the N.C.A.A. Athletic-related aid is available to a limited number of participants who qualify.

The philosophy of West Liberty University Athletics embraces the concepts of the "student-athlete" being a "student" first as well as the principles of gender equity and requirements of Title IX. The physical and mental welfare of the student-athlete is of the highest importance. Fair play and sportsmanship are emphasized along with strict compliance with the rules and regulations of the M.E.C. and the N.C.A.A.

The Equity in Athletics Disclosure Act, approved by Congress in 1994, requires that all co-educational institutions of higher education provide annual information pertaining to its athletics program, specifically, operating expenses and persistence rates. This information, along with persistence rates certified by the N.C.A.A., are updated annually and are available for inspection in the Athletics Department office located in the Academic, Sports and Recreation Complex.

Tuition and Fees

TUITION, FEES, AND EXPENSES

West Liberty University is required by the Higher Education Policy Commission to collect all tuition and fee payments in advance at the beginning of each semester or summer term unless prior arrangements have been made with the Business Office.

Payment plans are available for the fall and spring semesters. However, **summer terms** are **not** eligible for payment plans.

In cases where a payment plan has been approved, failure to complete payment by the date designated shall result in immediate cancellation of all course registrations for the current semester. In such cases, the student will owe the portion of the tuition and fees and room and board charges that are appropriate for the portion of the semester for which the student was registered for classes. For example, if a student is given permission to pay at the end of the second week of a regular semester and then is required to leave school because of non-payment, that student will owe 10% of the **tuition and fees** for the semester and for two weeks for room and board. In such cases, students will not be permitted to register for further courses until the financial obligation has been paid in full. Additionally, the university will withhold all grades and transcripts until such time as the financial obligation is paid. The institution may turn delinquent accounts over to a third party for collection purposes.

Registration is not completed until a payment covering tuition, residence hall cost, board, and fees has been made to WLU. For payments made by check, the check must clear the bank prior to registration being completed. A returned check charge of $25 will be assessed on each check returned for “insufficient funds” unless the student can obtain an admission of error on the part of the bank. The Business Office shall declare the fees unpaid and registration canceled until the check has been redeemed and the additional charge paid. Student records will not be released by the Registrar’s Office for any student who has a delinquent financial obligation to the University.

All registered students will be emailed an invoice prior to the beginning of each semester. Statements will be sent when there is additional activity on a student account. Failure to receive an invoice ***will not*** be accepted as a reason for late payment(s).

A late registration/payment fee shall be imposed upon all students who complete their registration or pay after the regular registration date established by WLU. For listing of registration dates, refer to the academic calendar.

No breakage deposit is required in any course, but students will be charged for breakage or damage to equipment. Students not having tuition and fees paid are subject to cancellation of registration.

A complete list of current tuition and fees may be accessed by visiting westliberty.edu/business office.

TUITION REFUND POLICY

A student who withdraws from university by following the proper procedure will be issued a refund of tuition and fees through the Business Office upon receipt of a withdrawal slip signed by the Registrar. Students who officially withdraw from a portion of their courses during the refund period, and such withdrawal results in a reduction of enrolled hours to less than 12, must request a refund from the Business Office. Refunds for reduced course loads are not made automatically; only upon formal request by the student. Refunds are automatically computed only for students who withdraw from all courses during the refund period. A student who is required to withdraw for disciplinary reasons shall not be entitled to any refund. Refunds are calculated from the first full day of classes. Capital fees, lab and course fees are not refundable.

CONTINUING STUDENTS. Except for first-time enrollees, students who officially withdraw during a semester in the academic year shall receive a refund of regular fees in accordance with the following schedule:

Academic Year (Semester)

During the first and second weeks ..... 90% Refund
During the third and fourth weeks..... 70% Refund
During the fifth and sixth weeks..... 50% Refund
Beginning with the seventh week .....No Refund

Summer Terms

Refunds for summer session shall be established based upon the refund rate for the academic year and calculated using the following schedule:

During the first 13% of the term..... 90% Refund
From 14% to 25% of the term..... 70% Refund
From 26% to 38% of the term..... 50% Refund
After 38% of term is completed .....No Refund

Should the percentage calculation identify a partial day, the entire day should be included in the higher refund period.

FIRST TIME ENROLLEES. Students who officially withdraw before or during their first period of enrollment at West Liberty University shall have their refund calculated as follows, in accordance with the provisions contained in the 1992 amendments to the federal Higher Education Act.

Academic Year (Semester)

During the first and second weeks .....90% Refund
During the third week .....80% Refund
During the fourth and fifth weeks.....70% Refund
During the sixth week .....60% Refund
During the seventh and eighth weeks .....50% Refund
During the ninth week.....40% Refund
Beginning the tenth week ..... No Refund

Summer Terms

Refunds for summer sessions shall be established based upon the refund rate for the academic year and calculated using the following schedule:

During the first 14% of the term..... 90% Refund
From 15% to 20% of the term..... 80% Refund
From 21% to 34% of the term..... 70% Refund
From 35% to 40% of the term..... 60% Refund
From 41% to 54% of the term..... 50% Refund
From 55% to 60% of the term..... 40% Refund
After 60% of the term.....No Refund

Refunded fees must be returned in accordance with the requirement of the Higher Education Act whenever Title IV funds are involved.

Allow approximately five weeks for refunds.

FINANCIAL AID REFUND AND RETURN POLICIES

Financial aid is to used first for direct educational costs-tuition and fees and room and board, if on-campus. If a student withdraws and is to receive a refund of tuition and fees, room and board, if applicable, all or part of this refund will be used to reimburse the respective financial aid program(s) under Title IV from which the student received funds in accordance to the following schedule:

1. FFEL Programs
2. Direct Loan Program
3. Federal Perkins Loan Program
4. Federal Pell Grant Program
5. Federal SEOG Program
6. Other Title IV Programs
7. To The Student

Beginning in the fall of 2000, students may be required to return "unearned financial aid" if they withdraw. If the student received financial aid in excess of direct costs, a percentage of this aid may be required to be returned depending upon the number of days the student was enrolled and the amount of aid received. Any questions regarding "unearned financial aid" should be directed to the Financial Aid Office.

RETURN POLICY. The required amount will be returned to the appropriate funding source and the student could then owe the University.

A student owing money to the University cannot receive any type of federally supported student aid disbursement for future enrollment periods unless payment arrangements have been made with the Business Office.

PARKING FEES

Color-coded parking permits (hangtags) are required for all motor vehicles parked on campus. There is a yearly fee charged for the parking hang tag. Permits expire July 31 of each year. Loss of a parking permit requires a $75 fee for a replacement and the lost permit will be voided. Students are required to follow all campus parking regulations. Student parking hangtags are distributed in the Student Services office and by Campus Police in the lower level of Shaw Hall.

SUMMER SCHOOL CHARGES TUITION AND FEES

Students attending the summer sessions will pay tuition, registration, and fees (for each term) at the rates listed in the summer bulletin.

Full payment is due at the beginning of each summer term. No payment plan is available for the summer sessions.

Late registration fees and refund policy for summer school classes are published in each summer bulletin.

UNPAID BILLS, FEES, FINES

All students should be aware that the university may withhold students' grades, transcripts, and references if they have failed to meet all financial obligations to the institution. Also, students will not be allowed to enroll for a new semester or summer term if they have not met all financial obligations for a previous semester or summer term. Financial obligations include tuition and fees, room and board charges, damage charges, bad checks, library fines, parking fines, and other similar charges.

TRANSCRIPTS

Each student is entitled to one official transcript of his/her grades at no charge. There is a $7 fee for the preparation of each additional official transcript. If there is rush priority (same day) transcript request, the fee for preparation is $25. A written request is required for a transcript. Requests for transcripts should be mailed, faxed or scanned directly to the Registrar's Office and should include the last date of attendance, social security number, and a married woman should give both her maiden and married names. Signature of student is also required.

No transcript will be issued if there is a financial obligation to the university.

RESIDENCE HALL ROOM DEPOSIT

All residence hall applicants are required to pay a room deposit, which must be submitted with the application. Room deposits are paid only once (providing that the deposit balance stays above $0) and are used to cover the cost of room, floor and hall damages.

Room deposits are refundable if a student cancels their room prior to June 30 for the fall semester and prior to December 15 for the spring semester. Room deposit balances are carried over each year until the time the resident moves from the residence halls for the final time.

Requests for Refund forms are available in the Office of Housing and Residence Life for students when they move out or cancel their room, or online at westliberty.edu/residence-life/cancel.

ROOM AND BOARD PAYMENTS AND REFUNDS

Unless prior arrangements have been made in the Business Office, all students who live in the residence halls must pay in advance for at least one full semester. Checks and money orders should be made payable to West Liberty University for the exact amount of the obligation. Students not paying room cost in full by the stated deadline will be subject to removal from the residence hall.

Financial obligations, including further information regarding housing deposit and refund entitlement, are detailed in the Housing Contract. For specific information regarding housing policies and procedures, please contact the Office of Housing and Residence Life.

Campus Life and Policies

E-MAIL AND ON-LINE WINS ACCOUNTS

All enrolled students will be assigned a WLU email account. Administration and faculty will distribute information to students through the students WLU email account. Students must regularly check their email accounts in order to stay informed of class assignments, deadlines, registration information and other campus information. Students should contact IT Services for email-related questions. New students will have email accounts created prior to the beginning of the entering semester, assuming the student is registered for classes. Students are required to use WLU account for university business.

All enrolled students will have an online account via WINS (West Liberty Information System). Important messages are posted in WINS. Currently enrolled students also use WINS to:

- View and verify personal information (addresses, telephone numbers, major, advisor, etc)
- Access Mid-term and Final Grades
- Register for courses
- View unofficial transcripts
- Access billing and financial aid information

Students should contact the Registrar's Office for WINS questions.

Failure to check email and WINS accounts will not remove students from responsibility in meeting stated deadlines and procedures.

STUDENT LIFE POLICIES

Membership in the academic community in no way relieves the student of his/her responsibilities in the community at large. He/she is expected, as are all citizens, to respect local ordinances and state and federal statutes, both on and off the campus. Off the campus, a violation of an ordinance or statute is a matter for adjudication between the student and civil authorities. The special authority of the university will be asserted only when the university's interests as an academic community are clearly and distinctly involved. In such instances, university action will be responsive to the requisites of university life, and will remain independent of community pressure or censure.

Offenses for which the university may impose disciplinary action are listed in the Student Handbook. Disciplinary procedures will be in accordance with Policies, as set forth by the State of West Virginia and the Institutional Board of Governors.

THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

The Family Educational Rights and Privacy Act of 1974 is a Federal law which states (a) that a written institutional policy must be established and (b) that a statement of adopted procedures covering the privacy rights of students be made available. The law provides that the institution will maintain the confidentiality of student education records.

West Liberty University accords all the rights under the law to students who are declared independent. No one outside the institution shall have access to nor will the institution disclose any information from students' education records without the written consent of students except to personnel within the institution, to officials of other institutions in which students seek to enroll, to persons or organizations providing students financial aid, to accrediting agencies carrying out their accreditation function, to persons in compliance with a judicial order, and to persons in an emergency in order to protect the health or safety of students or other persons. All these exceptions are permitted under the Act.

Within the West Liberty University community, only those members, individually or collectively, acting in the student's educational interest are allowed access to student education records. These members include personnel in the Offices of Admissions, Registrar, Student Services, Financial Aid, Business Office, academic schools and departments, academic advisors and athletic department.

Students may complete a Request for Disclosure form in the Registrar's Office, giving a parent or guardian access to information.

At its discretion, the institution may provide Directory Information in accordance with the provisions of the Act to include: student name, address, telephone number, e-mail address, major field of study, dates of attendance, degrees and awards received, the most recent previous educational agency or institution attended by the student, participation in officially recognized activities and sports, and weight and height of members of athletic teams. Students may withhold Directory Information by completing a non-disclosure form in the Registrar's Office.

Request for nondisclosure will be honored by the institution for only one academic year; therefore, authorization to withhold Directory Information must be filed annually in the Registrar's Office or appropriate campus office.

The law provides students with the right to inspect and review information contained in their education records, to challenge the contents of their education records, to have a hearing if the outcome of the challenge is unsatisfactory, and to submit explanatory statements for inclusion in their files if they feel the decisions of the hearing panels to be unacceptable. Students wishing to review their education records must contact the campus official in charge of the office in which the record is located.

Records covered by the Act will be made available within 45 days of the request. Students may have copies made of their records with certain exceptions, (e.g. a copy of the academic record for which a financial "hold" exists, or a transcript of an original or source document, which exists elsewhere). These copies would be made at the students' expense at prevailing rates. Education records do not include records of instructional, administrative, and educational personnel which are the sole possession of the maker and are not accessible or revealed to any individual except a temporary substitute, records of the law enforcement unit, counseling and student health records, employment records, or alumni records. Counseling and health records, however, may be reviewed by physicians or other appropriate professionals of the student's choosing.

Students may not inspect and review the following as outlined by the Act: financial information submitted by their parents; confidential letters and recommendations associated with admissions, employment or job placement, or honors to which they have waived their rights of inspection

and review; or education records containing information about more than one student, in which case the institution will permit access only to that part of the record which pertains to the inquiring student. The institution is not required to permit students to inspect and review confidential letters and recommendations placed in their files prior to January 1, 1975, provided those letters were collected under established policies of confidentiality and were used only for the purposes for which they were collected.

Students who believe that their education records contain information that is inaccurate or misleading, or is otherwise in violation of their privacy or other rights, may discuss their problems informally with the Registrar or appropriate campus official. If the decisions are in agreement with the students' requests, the appropriate records will be amended. If not, the students will be notified within a reasonable period of time that the records will not be amended; and they will be informed of their right to a formal hearing. Student requests for a formal hearing must be made in writing to the Provost, who, within a reasonable period of time after receiving such requests, will inform students of the date, place, and the time of the hearing. Students may present evidence relevant to the issues raised and may be assisted or represented at the hearings by one or more persons of their choice, including attorneys, at the students' expense. The hearing panels, which will adjudicate such challenges, will be the vice president for academic affairs, vice president for student affairs, a faculty member appointed by the president, and a student appointed by student government.

Decisions of the hearing panels will be final, will be based solely on the evidence presented at the hearing, and will consist of written statements summarizing the evidence and stating the reasons for the decisions, and will be delivered to all parties concerned. The education records will be corrected or amended in accordance with the decisions of the hearing panels, if the decisions are in favor of the students. If the decisions are unsatisfactory to the students, the students may place with the education records statements commenting on the information in the records, or statements setting forth any reasons for disagreeing with the decisions of the hearing panels. The statements will be placed in the education records, maintained as part of the students' records, and released whenever the records in question are disclosed.

Students who believe that the adjudications of their challenges were unfair, or not keeping with the provisions of the Act, may request, in writing, assistance from the President of the institution. Further, students who believe that their rights have been abridged may file complaints with The Family Educational Rights and Privacy Act Office (FERPA), Department of Health, Education, and Welfare, Washington, D.C. 20201, concerning the alleged failures of West Liberty University to comply with the Act.

CAMPUS LIFE

West Liberty University believes in the importance of co-curricular involvement in activities and organizations as an integral part of the student's total university experience. West Liberty offers a variety of opportunities for students to get involved, including more than 65 clubs and organizations, ranging from academic and professional organizations, to sports clubs, religious organizations, and other special interest groups. Students may also get involved in Greek Life, the Student Activities Board, Intramurals, and Student Government Association. Through the diversity of opportunities available, a student may enrich his/her personal, social, and academic development while here at West Liberty University. Additional information is available in the College Union Office.

RESIDENCE LIFE

The Office of Housing and Residence Life provides a residence hall experience that compliments and broadens the educational mission of the university. Life in the residence halls provides support for the classroom experience, allows students opportunities to socialize and study with their peers, and provides an array of programs and activities that enhance the university experience.

Each residence hall is staffed by live-in professional staff or student para-professional hall directors and student resident assistants who provide administrative, advising and programming services. Residential students are encouraged to assume an active role in their residence hall and campus life. Regular floor and hall meetings provide opportunities for two way communication between staff and residents. The residence hall environment also keeps residents informed of institutional policies and procedures and provides information and activities that maintain a positive, educational and safe living experience.

There are currently a total of seven residence halls, two apartment complexes and three student houses on campus. All residence halls are non-smoking. Each residence hall and apartment complex offers its own laundry facilities, and all are located in close proximity to academic buildings and dining.

Beta Hall Beta Hall is a co-ed residence hall for upperclass students. The hall provides air conditioned suites with semi-private baths. There is a lounge per floor for social and study space.

Bonar Hall Bonar Hall is a co-ed honors hall for upperclass students. Bonar Hall is named for John S. Bonar, president from 1926-1933. The residence hall is carpeted, individually heated and air-conditioned with semi-private baths.

Boyd Hall Boyd Hall houses male, first-year students. Boyd Hall was named for Mrs. Robert Lee Boyd of Wheeling in recognition of her services as a member of the State Board of Education. The hall has community bathrooms and a lounge on each floor.

Curtis Hall Curtis Hall is a co-ed residence hall for first-year students. Curtis Hall is named in honor of General William B. Curtis and his family. The hall has community bathrooms and a lounge on each floor.

Hughes Hall Hughes Hall is a co-ed residence hall for upperclass students. Hughes Hall was named for Raymond G. Hughes, a member of the English faculty from 1931 until 1970. Hughes Hall

is suite style, fully-carpeted with air conditioning and semi-private baths.

Krise Hall Krise Hall is a co-ed residence hall for upperclass students. The hall also houses two floors of first-year honor students, and students from the Honors College. The hall was named for Nelle M. Krise, a member of the faculty from 1926 to 1966. The hall has air-conditioned suites with semi-private baths.

Rogers Hall Rogers Hall houses female, first-year students. Rogers Hall was named for Mrs. George Rogers, Dean of Women from 1937 to 1952. Rogers Hall also houses the "Marketplace," the on-campus dining facility. The hall has community bathrooms and a lounge on each floor.

Campus Apartments and Houses

Campus apartments and houses are adjacent to campus and offer housing for upperclass students. The number of units available varies by semester and year and is competitive in selection.

INTRAMURAL AND PHYSICAL EDUCATION ACTIVITIES

PHYSICAL EDUCATION CLUB For men and women majoring in physical education.

INTRAMURALS An intramural program for both men and women provides participation in a breadth of activity, such as basketball, volleyball, softball, tennis, racquetball, walleyball, electronic gaming, Frisbee golf, ping pong, billiards, flag football, euchre, and 3-on-3 basketball. This program is operated by the Office of Campus Life.

ALUMNI ASSOCIATION

The West Liberty University Alumni Association was founded in June 1877 with 103 members. From its beginning, the growth and development of the Alumni Association has been dedicated to promoting the interests of West Liberty University and strengthening the loyalty of and fostering support among its graduates, former students, and friends. The association serves as the liaison between the alumni of West Liberty University and its administration, staff, faculty, students, and friends.

Today, the Alumni Association represents nearly 20,000 alumni and continues to foster a spirit of unity and fellowship through communications, development, publicity, special events, recruiting, and career exploration to meet the diverse interests of its constituents.

ALUMNI ASSOCIATION "WALL OF HONOR"

The West Liberty University Alumni Association Board of Directors instituted a project in 1990 to demonstrate to current students, visitors, and friends that the university has some very successful graduates. This project, known as the "Alumni Wall of Honor," is a dramatic way to honor some of the university's most distinguished alumni and display pride in the accomplishments of its graduates.

The concept was suggested by then Associate Professor of Physics Robert W. Schramm, who is a 1958 graduate of the university and a 2002 Alumni Wall of Honor inductee.

The Alumni Wall of Honor is housed in the south end of the College Union in a beautifully appointed room featuring a series of photographs and identifying nameplates on the walls. The room also features comfortable furniture and a large screen television for meetings and special events.

COUNSELING SERVICES

Counseling Services are **confidential and free of charge.** Services are located in Shaw Hall, Room 139.

Counseling is a process through which students can learn to think objectively about themselves and learn methods of understanding their behaviors as well as those of others.

Personal problems, whether they have their origin on campus or off-campus, often prevent students from completely fulfilling their educational objectives. Counseling Services provides a setting in which students may discuss, in confidence with a counselor, problems that affect their educational goals.

Counseling Services consist primarily of personal counseling including, but not limited to, the following examples:

Personal Counseling:

- Anxiety
- Adjustment – academics, relationships, stress
- Depression
- Eating disorders
- Grief
- Substance use (alcohol-drug)
- Self-harming thoughts and behavior

Students may call 304.336.8215 or come in to make an appointment with a counselor. Emergencies are handled immediately and walk-ins are seen as quickly as time allows.

DEPARTMENT OF CAMPUS POLICE

The West Liberty University Department of Campus Police is dedicated to provide excellence in service to the campus community. We shall strive to insure a safe, secure and pleasant atmosphere, conducive to a positive social and educational process, in the law enforcement efforts to protect the campus community.

Campus law enforcement is primarily the responsibility of the Department of Campus Police, which provides 24-hour-a-day patrol to the grounds, parking lots, residence halls, academic buildings and the faculty housing area. The Campus Police Office is located on the lower level in Shaw Hall. Officers may be reached by calling 336.8021.

The Campus Police Department employs campus police officers commissioned by the State of West Virginia, with full law enforcement authority and responsibilities identical to the local police or Sheriff's Department. The Campus Police officers work closely with the West Virginia State Police, Sheriff's Department, and other law enforcement agencies.

West Liberty University has met or exceeds the training standards of the West Virginia Criminal Justice and Highway Safety Law Enforcement Training Committee.

They also receive on-going in-service and specialized training in non-violent crisis intervention, legal updates, domestic violence, firearms, and other skills.

Campus Police officers enforce state, local and university rules and regulations governing underage drinking, the use of controlled substances, weapons, and all other incidents requiring police assistance. They are also responsible for public safety services, such as crime reports, medical emergencies, fire emergencies, and traffic accidents. Monthly reports are reported to the West Virginia State Police, who are consistent with the Uniform Crime Reporting (UCR) systems.

The Campus Police Department is a designated "Safe Place" for children.

Annual Report on Campus Safety

This annual Campus Safety Report is required by the Student Right to Know and Campus Security Act of 1990. The Act requires that it be sent to all employees and students of the University. It contains the following:

1. A summary of the institution's security procedures.
2. The annual summary of reported incidents for the previous three calendar years.
3. A list of definitions explaining the various categories of incidents reported in the annual summary.

The current report is available online at westliberty.edu/residence-life/asr or by stopping by the Campus Police Office.

CAMPUS AUTOMOBILE REGULATIONS

All motor vehicles parked on campus by the students, faculty, and staff of the institution must park in authorized parking spaces. Signs and/or parking space lines mark all lots and parking spaces. Whenever possible, operators of motorcycles are requested to utilize less than a full parking space. Any vehicle requiring a state license is classed as a motor vehicle.

Registration: All motor vehicles on campus must be registered with the Campus Police office located in Shaw Hall. Registration forms are available for this purpose.

Color-coded parking hangtags are available every year. Only one hangtag per person will be issued. Permits expire 31 July of each year and must be renewed prior to 1 August. Loss of parking permit requires a fee for a new one and the lost permit will be voided.

The charging of fees and the issuing of hangtags merely authorizes the holders to drive and park on campus; they do not guarantee the availability of a legal space in which to park a car. The university will continue to monitor the demand for parking spaces. Operators of automobiles are asked to report to Campus Police Office for assistance at any time when there appears to be no legal space in which to park a car.

The parking hangtag must be visible in all vehicles which park in the assigned parking areas at all times while parked on campus or a parking/traffic citation will be issued.

Traffic citations will be issued on campus for the following types of violations: unauthorized parking, parking in fire lane, at yellow curb or on yellow lines, on the grass, in a drive way or flow of traffic, parking improperly or occupying two parking spaces, driving recklessly or the wrong way on a one-way street, running a "Stop" sign, exceeding the campus speed limit of 15 m.p.h., or parking in traffic circles, such as those in front of Beta and Hughes Halls, and in the lane behind Beta.

Vehicles found to be violation according to the above stipulations of the code may be ticketed, towed, or booted. Failure to pay fines will result in a hold placed on academic records and/or booting or towing the vehicle.

Any person guilty of negligent homicide or reckless driving upon any of the drive ways or other parts of the campus is subject to arrest by Campus officers or other law enforcement officers. Reckless driving includes driving on any area of the campus not intended for automobile traffic, such as sidewalks and lawns.

THE UNIVERSITY IS NOT RESPONSIBLE FOR DAMAGE OR THEFTS.

DISABILITY SERVICES

The Office of Disability Services, which is part of the Learning and Student Development Center, is available to assist any student with a disability. A student who recognizes that his/her academic or campus activities are limited or in some way restricted as a result of mobility, visual, hearing, learning, or emotional disability may contact the Development Adv. Specialist office for a personal conference.

The institution does not require students to disclose information regarding a disability. Students are requested to voluntarily contact the Office of Disability Services. Students can be assured that no information will be shared without their permission.

The Disability Services Office can arrange to provide the student with several academic and campus life support services tailored to their specific needs. For information, please call 304-336-8216. Services are located in Shaw Hall, Room 144.

HEALTH SERVICES

Provisions of the services to which a student is entitled are detailed below:

1. MANDATORY HEALTH FORM. Completion of the Mandatory Health Form is required of each student entering the university whether he/she enters as a freshman or as a transfer student. The Mandatory Health Form may be completed by the student in advance of registration and sent to the University Health Services. Students who fail to submit the required health form may be denied student medical care, participation in intercollegiate sports, or entry into some academic programs.
2. PHYSICIANS. During the regular university year a university physician is available each school day for consultation with and treatment of university students from 7:30 to 8:30 a.m. Physician schedule is available on the Health Services webpage. No charge is made for office calls during these scheduled hours. Physicians are

also available at Doctors Urgent Care during hours of operations.

3. REGISTERED NURSES. Evaluation and treatment of students with health concerns will be provided by the Health Services Director, who maintains regular office hours (7 a.m. to 3 p.m.) Monday through Friday. There is no charge for these services.

DENTAL HYGIENE CLINIC

Dental hygiene preventive services are available in the Dental Hygiene Clinic to all members of the campus community during the fall and spring semesters. The services available include: teeth cleaning, x-rays, fluoride treatments and nutritional counseling.

A nominal fee is charged for an appointment. Appointments may be made by calling the Dental Hygiene Program office at 304.336.8633 or by stopping by the office located in Main Hall, West Wing.

CAREER SERVICES

The Career Services Office is committed to assisting students and alumni career development and job seeking skills in order to effectively prepare them for employment. In this process, students are encouraged to develop their potential by gaining experiences and skills through the academic environment, campus involvement, volunteering/service activities, internship opportunities and career exploration. The ultimate goal is for students and alumni to be able to successfully conduct their own self-directed job search as well as manage their goals into viable career objectives.

The office houses a variety of resources for students in the area of career services.

Services:

- Leadership and career/interest inventories
- Career workshops/classroom presentations
- Internship exploration/identification
- Resource center and reference library
- Job vacancy listings
- On-campus interview opportunities
- Job /graduate school fairs
- On-line portfolio
- Resume referral and fax service
- Computers with Internet access
- Career Advisory Network
- Undeclared academic advising support
- Job search assistance
- Administration of MAT

Student may call 304.336.8018 or visit Shaw Hall, Room 140, to make an appointment.

INFORMATION TECHNOLOGY SERVICES

West Liberty University Information Technology Services (ITS) facilities are located in the basement of the East Wing Main Hall. Offices for Network Administration, Administrative Data Entry, ITS Help Desk, and the Student Laptop Center are housed here.

West Liberty is dedicated to placing the latest technology in the hands of our students. Educational innovation is the driving force behind West Liberty's Student Technology Program, and incoming freshmen students have the opportunity to benefit from this unique one to one initiative. An exceptional technology package offers the use of mobile computing, both inside and outside the classroom. Students can choose between an Apple iPad or Windows laptop. An option also exists for media majors to select the Adobe Master Collection software. Students receive priority assistance from the technology support center to enhance their learning environment experience in face-to-face, hybrid and online courses.

The Student Government-sponsored 24-hour lab in the College Union is maintained by IT Services and has four computers with access to high-speed print and copying capability.

An online faculty development facility (Sakai) is located in the East Wing Main Hall first floor in the Office of E-Learning. Its purpose is to provide faculty training in instructional design for online teaching and learning.

IT Services maintains an "open" WIFI network for students, guests, and contractors.

A secure WIFI network is also available for staff and faculty in selected buildings on the main campus. The Highlands Center has a wireless network in the classrooms and administrative offices.

IT Services maintains the campus data network. All the residence halls have COMCAST high-speed internet and digital TV services.

Admissions and Academic Policies

ADMISSIONS POLICY

The admissions policies of West Liberty University are in accordance with the Undergraduate Institutional Policies of the Higher Education Policy Commission.

Persons desiring to apply for admission should visit us online at WestLiberty.edu. All admission credentials must be received at least two weeks prior to the opening of the semester or summer term. There are special requirements for admission to the curriculums in dental hygiene, medical laboratory sciences, nursing, music, teacher education, and the Regents Bachelor of Arts Program, BLA and BAS; refer to the appropriate section of the catalog for the special requirements in these fields.

Application Fee

No application fee is required.

High School Graduates.

To be eligible for admission, students must graduate with a cumulative grade point average of at least a 2.0 and an 18 on the American College Test (ACT). Students will normally be expected to sit for the ACT. However, in instances where students have taken the SAT 1 examination, these scores may be substituted for the ACT. A minimum combined verbal/critical reading and math score of 870 is required on the SAT. These students will not be required to take the ACT at a later date.

In addition to the requirements listed above, freshmen must have completed the following units of high school credits.

UNITS (YEARS)

4 English (including courses in grammar, composition, and literature)
3 Social Studies (including U.S. History)
4 Mathematics (three units must be Algebra 1 and higher)
3 Science (all courses to be laboratory science)
1 Arts
2 Foreign Language (two units of the same foreign language)

SELECTIVE SERVICE REGISTRATION

West Virginia code provides that a male person who has attained the age of eighteen (18) years may not enroll or re-enroll in a state-supported institution of postsecondary education unless he is in compliance with the Military Selective Service Act. Also, a male person may not receive a loan, grant, scholarship or other financial assistance for postsecondary higher education funded by state revenue, including federal funds or gifts and grants accepted by this state, or receive a student loan guaranteed by the state, unless he is in compliance with the Military Selective Service Act. Selective Service Act registration information should be available at all U.S. Postal Service facilities and can be accessed on the Internet at www.sss.gov.

DEVELOPMENTAL SKILLS PROGRAM ASSESSMENT AND PLACEMENT STANDARDS

The Higher Education Policy Commission of West Virginia has adopted Assessment and Placement Standards for students of the ten universities in the System, including West Liberty University. Students entering West Liberty University are subject to the following requirements:

English Composition

1. Students may not enroll at any two-year or four-year institution in the State University System in an English composition course which is designed to be applied toward a baccalaureate degree, an A.A. degree, an A.S. degree, or an A.A.S. degree at a four-year college or university or an A.A., A.S., or A.A.S. degree at a community college unless the minimum score prescribed below is earned on at least one of the following tests:

   a. A score of 18 or above on the English section of the ACT.

   b. A score of 450 or above on the verbal portion of the SAT.

   c. A scaled score of 38 or above on the writing skills test of the ASSET.

   d. A score of 71 or above on the English Skills test of the American College Testing Program's Computerized Adaptive Placement Assessment and Support System (COMPASS).

   e. A score of 88 or above on the Sentence Skills test of the University Board's ACCUPLACER Testing System.

   f. Satisfactory performance on a writing sample developed by each institution in the State College System and evaluated by the institution.

2. Students who satisfy the English placement requirements by one of the measures described in sections a. through e. above must also perform at an acceptable level on a writing sample developed by each institution in the State University System and evaluated by the institution prior to the beginning of the semester or during the first two weeks of the semester.

3. Students not meeting the standards described in (1) and (2) above must successfully complete an integrated English (ENG) 101 course, before being eligible to enroll in English Composition courses.

Mathematics

1. Students may not enroll at any two-year or four-year institution in the State University System in a mathematics course which is designed to be applied toward a baccalaureate degree, an associate of arts (A.A.) degree, an associate of science (A.S.), an associate of applied science (A.A.S.) degree at a four-year university or university, or an A.A., A.S. or A.A.S. degree at a community university unless the minimum score prescribed below is earned on at least one of the following tests:

   a. A score of 19 or above on the mathematics section of the American University Testing Program's ACT Assessment Test.

   b. A score of 460 or above on the quantitative portion of the University Board's Recentered Scholastic Aptitude Test (SAT).

c. A scaled score of 40 on the numerical test and 38 on the elementary algebra test of the American University Testing Program's Assessment of Skills for Successful Entry and Transfer (ASSET).

d. A score of 59 or above on the pre-algebra test of the American College Testing Program's Computerized Adaptive Placement Assessment and Support System (COMPASS).

e. A score of 86 or above on the arithmetic test and 84 or above on the elementary algebra test of the University Board's ACCUPLACER Testing System.

2. Students not meeting this standard must successfully complete Mathematics 046, Fundamentals of Algebra, in order to be placed in college level mathematics.

Credits and grades earned in English 075 and Mathematics 046 do not count toward graduation and are not included in the calculation of the grade point average.

Reading

1. Students scoring 17 or above on the reading section of the ACT, 420 or above on the verbal section of the Recentered SAT, 36 or above on the reading skills test of the ASSET, or 30 percentile or above on the NelsonDenny Reading Test will be considered to have met minimal reading skills requirements.
2. Students who do not meet the reading comprehension standard may petition the WLU Learning and Student Development Center for assistance in a reading comprehension program.

IMMUNIZATION REQUIREMENT

All new students who were born after January 1, 1957, are required to provide proof of immunity to measles and rubella. Students are required to provide proof of immunity on or before the date of enrollment. The student shall have proof of immunity by the following semester or will not be permitted to enroll in classes.

TRANSFER STUDENTS

Students who wish to transfer to West Liberty University from another college or university must be eligible to return to the institution from which they wish to transfer. Transfer applicants must provide:

1. Evidence of honorable withdrawal from the institution previously attended (Transfer Clearance Form). Receipt of the signed Transfer Clearance Form must be received in order to register for classes.

2. An official transcript directly from the Registrar of the institution from which the student is transferring. If the student has attended more than one institution, an official transcript from each is required. If the applicant has completed fewer than 28 semester hours before the transfer, a high school transcript is also required and the high school curriculum, grade point average and/or test requirements must have been met.

The institution whose credits are presented for advanced standing must be a regionally accredited institution. Final decision regarding the acceptance of transfer credit rests with the Committee on Admissions and Credits.

A cumulative grade point average of at least 2.0 is normally required for transfer students. A student with slightly less than a 2.0 may be considered for admission by the Committee on Admissions and Credits if extenuating circumstances are involved.

No more than 72 semester hours may be transferred from a two-year college, since 56 semester hours must be from a four-year university to meet graduation requirements. These 56 semester hours must be applicable to major degree requirements.

All grades made previously in college level courses are included in the grade point calculation, even though there may be low grades in courses for which no credit can be granted. To graduate from West Liberty University, transfer students must have at least a 2.0 average for all work attempted at West Liberty University and an overall grade point average of at least 2.0 for all university level work attempted. Students transferring from institutions using a grading system different from that used by West Liberty University shall have the grade point average computed on the basis of West Liberty University's grading system.

Any student who enrolls at West Liberty University without reporting all previous university attendance will be subject to suspension.

All courses and grades from other institutions, as determined transferable by academic departments or established articulation agreements, will appear on the student's West Liberty transcript. Semester credit hours are brought in at face value, as noted on the official transcript. Quarter hour courses are converted to semester hours by using a .67 multiplier.

INTERNATIONAL STUDENTS

West Liberty University welcomes and considers qualified applicants from schools and colleges/universities located outside the United States.

International students may be admitted if they have satisfactory academic records and evidence of English Language Proficiency. Students from countries where English Language is not the official language and medium of instruction can prove English proficiency by one of the following:

- Test of English as a Foreign Language (TOEFL): score of 61 (Internet based), 173 (computer based) or 500 (paper based)
- International English Language Testing (IELTS): band score of 5.5
- Pearson Test of English (PTE Academic): score of 44
- EIKEN Test: grade 2A
- SAT - I: a score of 450 or higher on Critical Reading section
- ACT: a minimum score of 18 on the English section
- Freshman English with a grade of C or better from an accredited U.S., college or university
- U.S. high school diploma

International students must also submit official copies of the American College Test (ACT) or Scholastic Aptitude Test (SAT) results in addition to high school transcripts.

If the student has attended a previous college/university, transcripts must be provided by the college/university. All foreign high school or college transcripts and any sup-

porting credentials must be certified English translations.

All applicants requiring F-1 student visa, must provide documentation that indicates they can meet the financial responsibilities during the period of time they expect to be enrolled at West Liberty University. Additionally, they must have accident and health insurance in force while they are in attendance at WLU.

Eligible international students can qualify for West Liberty's academic scholarships. In addition, WLU offers International Student Housing Scholarships to students from select targeted areas.

WLU is authorized under Federal law to enroll non-immigrant students.

ADMISSION THROUGH THE GENERAL EDUCATIONAL DEVELOPMENT TEST

Non-high school graduates who meet their home state's requirements for granting the G.E.D. diploma may be admitted provided a standard score of at least 410 is scored on each of the five parts of the General Educational Development Test or a total score of 2250. An official copy of the G.E.D. scores must be sent to the Office of Admissions. A copy of the G.E.D. diploma is also required.

If the G.E.D. test was taken within the past five years, applicants are also required to take the American College Test (ACT) or the Scholastic Aptitude Test (SAT).

HOME-SCHOOLED ADMISSION POLICY

West Liberty University will accept applications for admissions from students who are educated at home or that are graduating from non-accredited high schools. If students are homeschooled or attendants of a non-accredited high school, they must submit a complete undergraduate application and SAT or ACT test scores. Homeschooled students must also submit course documentation as well as complete required courses to be eligible for admission.

Immunization records must also be submitted before enrollment.

Required Documentation

Homeschooled students must submit typed documentation (a manuscript or description) of their coursework. Minimally, this must include:

- The student's name.
- A list and description of courses completed. Descriptions should include duration of study and content of the course.
- Grades earned for the courses completed and the grading scale.
- The number of credits earned for each course.
- Graduation date.

The courses must be broken down by 9th, 10th, 11th, and 12th grade years. The transcripts must bear the signature of the person who administered the curriculum.

Required Courses

The strength of a student's coursework is important in the admission process. Homeschooled applicants and applicants who attended non-accredited high schools must furnish documentation to validate learning in four of the academic core areas, shown below, unless they were completed at an accredited high school or college. If the student completed units at an accredited high school or college then transcripts of the units taken must be provided to WLU.

The following high school unit requirements must be met for freshman admission:

- 4 units of English (including grammar, composition, and literature)
- 4 units of college preparatory mathematics (Three units must be Algebra I and II and Plane Geometry.) Students interested in majors that emphasize math and science are encouraged to take math beyond Algebra II (such as pre-Calc, Calculus, and Statistics).
- 3 units of social studies (including U.S. History)
- 3 units of science (ALL units must be laboratory science.) Recommended units include: Biology, Chemistry, Physics, Anatomy, and Environmental Science
- 2 units of the same foreign language. American Sign Language is acceptable.
- 1 unit of fine arts (such as: Music, Band, Art, Theater, Dance, Drama, and Performance).

Upon completion of an application file with the required documentation, WLU will review the entire application file of an individual who has been homeschooled or attended a non-accredited high school. All application materials must be received by the regular admission deadline.

Note: West Virginia residents who were homeschooled and are applying for WV PROMISE Scholarship or WV Higher Education Grant must have GEDs. Further questions regarding this should be directed to WV Higher Education Policy Commission.

In addition, students who were homeschooled and wish to receive federal and/or state financial aid must have GED's.

EARLY ENTRANCE PROGRAM FOR HIGH SCHOOL STUDENTS

West Liberty University has been authorized to offer an early entrance program for high school students. The university is permitted to admit a limited number of outstanding high school students. They may enroll in regular freshman level courses.

In order to qualify for the early entrance program, the student must have completed 12 units of the university preparatory curriculum in high school; have attained a 3.0 or better average in high school subjects in the university preparatory curriculum; have the recommendation of the high school principal; and have approval of the Director of Admissions of West Liberty University. Students who are interested in the program should file an application for admission and submit a transcript of their high school credits and grades. Courses to be taken must be approved by the Provost or Registrar prior to enrolling. Under this program students pay regular fees. A special fee approved by the HEPC can be assessed for courses taught at local high schools.

ADVANCED PLACEMENT

Advanced placement credit for some courses will be granted to entering freshmen who qualify on the basis of the tests of Advanced Placement Program of the University Entrance Examination Board. A minimum score of three is required for credit at West Liberty University.

For further information concerning Advanced Placement credit, contact the Enrollment Services Center.

REGISTRATION

The calendar of the academic year specifies the days when registration occurs. It is important that students register on these days. Students are required to meet with Academic advisors. Freshman students are required to be present for orientation preceding the arrival of upperclassmen. Orientation/registration is held during the summer for freshmen and transfer students. All new students are encouraged to participate in these events. Enrolled students register on-line via WINS accounts.

CREDIT HOUR

Students will earn credit hours for each course completed. Academic departments determine credit hours for each course offered. The credit hour is based on the Carnegie Unit. Each credit hour is approximately 50 minutes of lecture time.

65 PLUS PROGRAM

West Virginia residents over the age of sixty-five (65) are eligible to take courses at a reduced tuition and fee charge under the 65 Plus Program. Individuals taking a course for credit will be charged 50% of the actual tuition and fee charge for the course. Individuals taking a course for no credit will be charged $50 per course. Registration under this program is based on space availability and the student meeting all course requirements for prerequisites. Registration forms are available in the Enrollment Services Center.

STUDENT ASSESSMENT REQUIREMENT

The Higher Education Policy Commission requires all state colleges to assess the essential skills of at least ten percent of the institutional undergraduate population. The purpose of these assessment tests is to assess the essential skills level of students against nationally-normed tests and to improve the educational programs of the institution. As a result, West Liberty University reserves the right to require a series of student proficiency assessment tests prior to graduation. Students will be selected at random and are required to participate; those who fail to participate may not be permitted to pre-register for any subsequent terms. The institution may also withhold transcripts for students who fail to participate. There is no 'grade' or pass/fail standard for assessment tests–merely the requirement to participate.

COMMITTEE ON ADMISSIONS AND CREDITS

Problems concerning admission to West Liberty University, transfer of credits from another institution, qualitypoint averages, and all matters of like nature are acted upon by the Committee on Admissions and Credits of which the Registrar is chairperson.

CREDIT BY EXAMINATION

Enrolled students may take comprehensive examinations to receive credit in certain courses. Upon successful completion of the examination, they will receive "K" credit.

A request to attempt to receive credit by examination requires approval by the instructor, the department chairperson, and the college dean. The college dean has the responsibility of filing the approval form with the Registrar. If the examination is successfully completed, the instructor submits a grade of "K" as the final grade at the end of the semester and the transcript indicates that the course was taken by examination. If a student does not complete the examination successfully, no grade is given. Students receiving "K" credit are required to pay the regular tuition and fees before the credit is recorded.

PASS/FAIL AND CREDIT/NO CREDIT COURSES

Students have the option of taking certain courses on a Pass/Fail grading option. In such cases, the grade of "K" is awarded as the passing grade and the grade of "F" is given as the failing grade. The Pass/Fail option is available only in a limited number of courses as designated by the Curriculum Committee.

A few courses are given on a Credit/No Credit basis. In such cases, the grade of "K" is given if the course is successfully completed and a grade of "N" is given if the course is not successfully completed. The Credit/No Credit option is also available only in a limited number of courses as designated by the Curriculum Committee.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

West Liberty University participates in the College Level Examination Program, sponsored by the University Entrance Examinations Board, whereby students who are officially enrolled taking classes at West Liberty University may obtain credit upon achieving passing scores on the examinations. Individuals not enrolled at West Liberty University are eligible to take the exam, but credit will not be awarded until such individuals complete enrollment and are taking classes at the institution. In accordance with West Virginia Higher Education Policy such credit by examination may be transferred to other state-supported colleges and universities in West Virginia. A large number of colleges and universities across the country also accept such credit. Information relative to this program may be obtained by contacting the Enrollment Services Center.

ACCELERATED DEGREE PROGRAMS

Each college of the institution will have the discretion to offer any of its programs in an accelerated format, and each school will have the right to establish entry requirements for any degree program offered in an accelerated format. Degree programs offered in an accelerated format are subject to all academic regulations applicable to degree programs offered in the semester format.

AWARDING OF CREDITS FOR WORK AND LIFE EXPERIENCE

Each college or school may define how work/life experience credit will be applied to its degree programs. Forms and procedures may be obtained from the offices of the Deans. No more than 18 hours may be awarded for work/life experience within an accelerated program.

Within the School of Professional Studies, non-traditional students enrolled in an accelerated program, the Regents Bachelor of Arts (R.B.A.), or the Bachelor of Organizational Leadership and Administration (B.L.A.) may receive credit for work/life experience, referred to as Prior Learning Assessment (PLA). PLA credits are established by review of portfolios, which must demonstrate mastery of exit competencies for each course requested. PLA credits may be granted only for courses currently listed in the WLU Catalog. PLA credits are not to be used in the computation of G.P.A.. and may not be used to meet stated residency requirements. PLA credits will not be posted to a student's transcript until that student has registered for and completed at least 12 semester credit hours at WLU. A one-time fee will be charged for the assessment of PLA portfolios in addition to the per credit hour fee. For more information about PLA, see the School of Professional Studies section of the University Catalog.

All RNs requesting admission to the RN-BSN program will receive 30-31 undifferentiated nursing credits for lower division nursing coursework based on current registered nurse license and graduation from an accredited school of nursing within the past 10 years or employment as an RN within the past three years. Upon successful completion of 12 credit hours at WLU, 12 credit hours will be awarded if the student has passed the ASCP BOC for laboratory technicians or has a minimum of two years experience in laboratory science.

CORE COURSEWORK TRANSFER AGREEMENT

The West Virginia Higher Education Policy Commission (HEPC) established a process and format which enables students who transfer from one state college or university to another to transfer core coursework that will count toward fulfillment of general studies requirements at the receiving institutions. Under the terms of the agreement, a student may transfer up to thirty-five (35) credit hours of undergraduate coursework in the areas of English composition, communications and literature, mathematics, natural science, and social science as general studies credits. The agreement establishes hours of coursework acceptable for transfer that will count toward fulfillment of general studies requirements. Since coursework is generally transferable among institutions in the West Virginia Higher Education Policy Commission and Community and Technical College Systems, a student could conceivably transfer more than thirty-five (35) hours of general studies credit from one institution to another (that are provided for in this agreement). The agreement is not designed to limit the number of credits that are transferred. Its purpose is to assure that students will be able to transfer credits in accordance with the terms of the agreement. The hours of core coursework that are acceptable as counting toward fulfillment of general studies requirements are as follows:

- English Composition - 6 Hours
- Communication and Literature - 6 Hours
- Speech/Oral Communication - 3 Hours
- Literature - 3 Hours
- Mathematics - 3-5 Hours
- History, political science, psychology, sociology or economics, with no more than three hours from any area.

Listed below are the West Liberty University courses that have been approved for inclusion in the Core Coursework Agreement:

Biology 105/106
Biology 124/125
Biology 200
Biology 202
Chemistry 100/101
Chemistry 110/111
Chemistry 112/113
Communication 101
Economics 101
Economics 102
English 101
English 102
English 203
English 204
English 205
English 214
English 215
Geography 205
Geography 206
History 103
History 104
History 210
History 211
Math 102
Math 140
Math 145
Math 210
Physics 101/110
Physics 102/111
Physics 190/191
Physics 360
Political Science 101
Political Science 202
Political Science 201
Psychology 101
Sociology 150

For a complete listing of the courses for the state colleges and universities that are included in this agreement, contact the Enrollment Services Center.

CREDIT FOR MILITARY SERVICE

Up to four semester hours of credit can be granted to individuals who present a copy of their DD214 after completing a minimum of one year of active duty. Such credit will be recorded on the student's record after one year of attendance at West Liberty University and the completion of a minimum of 24 hours of credit. These hours will be counted as general electives and will not replace any required courses; the credits will count toward graduation.

In addition to the four credit hours granted, students may be granted specific university credit for coursework completed in the military, if credit is recommended by the American Council on Education (ACE). Students completing university credits need to submit a military transcript to the Registrar's Office.

VETERANS CERTIFICATION

Students receiving Montgomery G.I. Bill benefits must report to the Enrollment Services Center for certification.

WEST LIBERTY UNIVERSITY INTERN PROGRAM IN WASHINGTON, D.C.

WLU is a partner with The Washington Center for Internships and Academic Seminars, a Washington, D.C. based organization that provides internships and academic seminars for our students in governmental, corporate, international, and nonprofit organizations in D.C.

The Washington Center has more than 37 years of experience providing a challenging academic environment and a working internship experience.

Students spend 10-15 weeks in Washington, D.C. and are required to spend four-and-one-half days per week at their internship site, take a three-hour course, attend a Presidential Lecture series, and participate in an 8-12-hour community service project. For this internship experience the students earn 9-12 hours of academic credit.

This invaluable experience equips students with the skills needed to secure their first job. It provides students with a wide network of contacts and exposes them to a variety of job opportunities.

SCHOLARS PROGRAM

The West Liberty University Scholars Program was established to attract top academic students. Students entering as a first-time freshman may qualify for one of three designations within the Scholars Program. In addition to receiving a four-year academic scholarship, students receive other benefits under this program.

Elbin Scholars

Students accepted for admission with at least a 3.75 high school grade point average (on a 4.0 scale) and at least an ACT composite score of 27 (1220 SAT combined critical reading/math) are designated as Elbin Scholars. The Elbin Scholar designation is the highest scholar designation, and is named for Dr. Paul Elbin, who served as president of West Liberty University for 35 years. Students admitted as Elbin Scholars receive:

- A minimum four-year academic scholarship offer of $4,000 per year (in addition to the PROMISE scholarship, which covers a majority of tuition and fees) for West Virginia residents and $12,000 for non-residents. Elbin Scholars with a 4.00 high school grade point average and 30 ACT composite score (1340 SAT) at the time of graduation will receive a full scholarship covering mandatory tuition and fees
- General studies credit based on ACT sub scores of 27 (610 SAT) or higher
- Priority scheduling
- Enter WLU as a member of the Honors College
- Transcript designation as an Elbin Scholar
- Recognition at graduation as an Elbin Scholar

Presidential Scholars

Students accepted for admission with at least a 3.75 high school grade point average (on a 4.0 scale) and an ACT composite score between 24-26 (1090-1210 SAT combined critical reading/math) are designated as Presidential Scholars. Students admitted as Presidential Scholars receive:

- A minimum four-year academic scholarship offer of $3,000 per year
- General studies credit based on ACT sub scores of 27 (610 SAT) or higher
- Enter WLU as a member of the Honors College
- Priority scheduling
- Transcript designation as a Presidential Scholar
- Recognition at graduation as a Presidential Scholar

Foundation Scholars

Students accepted for admission with at least a 3.75 high school grade point average (on a 4.0 scale) and an ACT composite score of 22-23 (1020-1080 SAT combined critical reading/math) are designated as Foundation Scholars. Students admitted as Foundation Scholars receive:

- A minimum four-year academic scholarship offer of $2000 per year
- General studies credit based on ACT sub scores of 27 (610 SAT) or higher
- Enter WLU as a member of the Honors College
- Priority scheduling
- Transcript designation as a Foundation Scholar
- Recognition at graduation as a Foundation Scholar

For more information on the WLU Scholar Program, please contact Katie Cooper, Director of Financial Aid, at 304.336.8131.

TUTORIAL SERVICE

The Tutorial Program offers free services. While many high-achieving high school students experience difficulty with the transition to university-level material, this gap is not due to lack of intelligence or motivation, but from either under-preparation in course material or inadequate study skills.

Peer tutors can help with time management, concentration, note taking, reading comprehension, test preparation and test taking, as well as explanation of specific course material. The tutors, who receive training in preparation for their role, are faculty-recommended, upperclass-ranked students.

The Tutoring Program, which is located in the Learning and Student Development Center, also provides students a quiet place to study. If interested in obtaining tutorial assistance, please call 336-8216 or 336-8185.

FIRST-YEAR AND RETENTION PROGRAMS AND SERVICES

The following programs and services are coordinated through the Center for Student Success:

- Hilltopper Academy Summer Bridge Program
- First-Year Experience course
- At-risk student monitoring and academic advising
- PARENT POWER news bulletin

For more information about these and other related programs and services, contact the Learning and Student Develpment Center at 304.336.8274.

RESIDENCY CLASSIFICATION FOR ADMISSION AND FEE PURPOSES

1. Students enrolling in a West Virginia public institution of higher education shall be assigned a residency status for admission, tuition, and fee purposes by the institutional officer designated by the president. In determining residency classification, the issue is essentially one of domicile. In general, the domicile of a person is that person's true, fixed, permanent home and place of habitation. The decision shall be based upon information furnished by the student and all other relevant information. The designated officer is authorized to require such written documents, affidavits, verifications, or other evidence as is deemed necessary to establish the domicile of a student. The burden of establishing domicile for admission, tuition, and fee purposes is upon the student.

If there is a question as to domicile, the matter must be brought to the attention of the designated officer at least two weeks prior to the deadline for the payment of tuition and fees. Any student found to have made a false or misleading statement concerning domicile shall be subject to institutional disciplinary action and will be charged the nonresident fees for each academic term theretofore attended.

The previous determination of a student's domiciliary status by one institution is not conclusive or binding when subsequently considered by another institution; however, assuming no change of facts, the prior judgment should be given strong consideration in the interest of consistency. Out-of-state students being assessed resident tuition and fees as a result of a reciprocity agreement may not transfer said reciprocity status to another public institution in West Virginia.

2. Residence Determined by Domicile

Domicile within the State means adoption of the State as the fixed permanent home and involves personal presence within the state with no intent on the part of the applicant or, in the case of a dependent student, the applicant's parent(s) to return to another state or country. Residing with relatives (other than parent(s)/legal guardian) does not, in and of itself, cause the student to attain domicile in this State for admission or fee payment purposes. West Virginia domicile may be established upon the completion of at least twelve months of continued presence within the State prior to the date of registration, provided that such twelve months' presence is not primarily for the purpose of attendance at any institution of higher education in West Virginia. Establishment of West Virginia domicile with fewer than twelve months' presence prior to the date of registration must be supported by evidence of positive and unequivocal action. In determining domicile, institutional officials should give consideration to such factors as the ownership or lease of a permanently occupied home in West Virginia, fulltime employment within the State, paying West Virginia property tax, filing West Virginia income tax returns, registering of motor vehicles in West Virginia, possessing a valid West Virginia driver's license, and marriage to a person already domiciled in West Virginia. Proof of a number of these actions shall be considered only as evidence which may be used in determining whether or not a domicile has been established. Factors militating against the establishment of West Virginia domicile might include such considerations as the student not being self supporting, being claimed as a dependent on federal or state income tax returns or the parents' health insurance policy if the parents reside out of state, receiving financial assistance from state student aid programs in other states, and leaving the state when school is not in session.

3. Dependency Status

A dependent student is one who is listed as a dependent on the federal or state income tax return of his/her parent(s) or legal guardian or who receives major financial support from that person. Such a student maintains the same domicile as that of the parent(s) or legal guardian. In the event the parents are divorced or legally separated, the dependent student takes the domicile of the parent with whom he/she lives or to whom he/she has been assigned by court order. However, a dependent student who enrolls and is properly classified as an instate student maintains that classification as long as the enrollment is continuous and the student does not attain independence and establish domicile in another state.

A nonresident student, who becomes independent while a student at an institution of higher education in West Virginia does not, by reason of such independence alone, attain domicile in this state for admission or fee payment purposes.

4. Change of Residence

A person who has been classified as an out-of-state student and who seeks resident status in West Virginia must assume the burden of providing conclusive evidence that he/she has established domicile in West Virginia with the intention of making the permanent home in this State. The intent to remain indefinitely in West Virginia is evidenced not only by a person's statements, but also by that person's actions. In making a determination regarding a request for change in residency status, the designated institutional officer shall consider those actions referenced in Section 2. The change in classification, if deemed to be warranted, shall be effective for the academic term or semester next following the date of application for reclassification.

5. Military

An individual who is on full-time active military service in another state or a foreign country or an employee of the federal government shall be classified as in-state student for the purpose of payment of tuition and fees, provided that the

person established a domicile in West Virginia prior to entrance into federal service, entered the federal service from West Virginia, and has at no time while in federal service claimed or established a domicile in another state. Sworn statements attesting to these conditions may be required. The spouse and dependent children of such individuals shall also be classified as in-state students for tuition and fee purposes.

Persons assigned to full-time active military service in West Virginia and residing in the State shall be classified as in-state students for tuition and fee purposes. The spouse and dependent children of such individuals shall also be classified as in-state students for tuition and fee purposes.

6. Aliens

An alien who is in the United States on a resident visa or who has filed a petition for naturalization in naturalization court, and who has established a bona fide domicile in West Virginia as defined in Section 2 may be eligible for instate residency classification, provided that person is in the State for purposes other than to attempt to qualify for residency status as a student. Political refugees admitted into the United States for an indefinite period of time and without restriction on the maintenance of a foreign domicile may be eligible for an instate classification as defined in Section 2. Any person holding a student or other temporary visa cannot be classified as an in-state student.

7. Former Domicile

A person who was formerly domiciled in the State of West Virginia and who would have been eligible for an in-state residency classification at the time of his/her departure from the state may be immediately eligible for classification as a West Virginia resident provided such person returns to West Virginia within a one-year period of time and satisfies the conditions of Section 2 regarding proof of domicile and intent to remain permanently in West Virginia.

8. Appeal Process

The decisions of the designated institutional officer charged with determination of residency classification may be appealed to the Residency Appeals Committee. Decisions of the Residency Appeals Committee may be appealed to the president of the institution. Residency appeals end with the president.

WEST LIBERTY UNIVERSITY POLICY ON ACADEMIC DISHONESTY

Academic Dishonesty, in whatever form, belies the stated philosophy of West Liberty University "to promote the development of the intellectual, cultural, social, physical, emotional, moral, and vocational capacities of all persons within its sphere of influence." Individuals who commit acts of academic dishonesty violate the principles, which support the search for knowledge and truth. The academic community has established appropriate penalties and disciplinary action for such behavior.

Types of Academic Dishonesty

A. Cheating

Using or attempting to use unauthorized materials, information in any academic exercise. Examples: Using or attempting to use "cheat sheets" to gain credit on quizzes or tests.
Having a substitute take a test.
Having another complete a research or writing assignment.
Using the service of a term paper company.

B. Fabrication

Falsifying/inventing any information/evidence or neglecting to follow established guidelines of research and documentation. Examples: Distortion of evidence to prove some experiment. Creation of false sources/fictitious evidence.

C. Collaboration

Assisting others in engaging in scholarly wrongdoing. Examples: Stealing and distributing tests, etc. Permitting another to use a research paper/design. Permitting another to copy from his/her paper during an exam.

D. Destruction of Reference Sources

Denying others access to learning materials.
Example: Destruction of journal articles in the library's collection. Stealing of books and other materials from the library or other sources.

E. Plagiarism

Representing the words or ideas of another as one's own. Examples: Not footnoting direct quotations. Not acknowledging a paraphrase. Misrepresentation of statistics.

Disciplinary Action

For disciplinary action involving academic dishonesty, students should consult the Student Handbook or the Provost.

STUDENT RIGHTS AND RESPONSIBILITIES

Policies, Rules, and Regulations Regarding Student Rights, Responsibilities, and Conduct are published in the Student Handbook. This Policy Bulletin establishes a general policy on student life; identifies behavioral expectations and prohibited acts; prescribes penalties and sanctions for prohibited conduct; defines the powers, authority, and duties to be exercised by presidents and officials of colleges and universities under this bulletin; prescribes disciplinary actions and proceedings to be taken in cases of violations of these policies, rules, and regulations; and prescribes basic student academic rights and procedural standards to be applied when action is taken regarding institutional academic standards, rules and regulations, final grade challenges, and instances of academic dishonesty.

APPROPRIATE COMPUTER USE POLICY

Our Appropriate Use Policy (AUP) is designed to help protect our customers (defined as registered students, faculty and staff) and the Internet community, from irresponsible or illegal activities. As good net citizens, we prohibit the impersonation of others, unsolicited commercial appeals, and any disruption of Internet services. Examples of such activities are given below:

• E-mail

Commercial e-mail: Sending unsolicited commercial e-mail is prohibited. Using a West Liberty University e-mail address to collect responses from unsolicited commercial e-mail is prohibited.

Harassment: Sending threatening or harassing e-mail after being requested to stop, is prohibited. Extremely threatening or harassing e-mail is prohibited always.

• Peer-to-peer file sharing

Peer-to-peer file sharing where the customer's computer is used to serve music or video files to the Internet is not appropriate use. The bandwidth demands of this usage can be excessive and transfer of copyrighted material without appropriate permission is illegal.

• Viruses, Worms, Trojan horses, etc.

Customers are responsible to maintain their computers so that they do not become a source of virus infection for others. Inaction or refusal to remove viruses and the like that pose a threat of infection will result in the deactivation of the responsible customer's account.

• News

Newsgroup spamming: Excessive cross-posting, or posting the same article to several newsgroups, is prohibited. Generally accepted standards allow no more than 10 newsgroups, or cross-postings, for a single article or substantially similar articles. Such articles may be cancelled.

Off-topic or inappropriate postings: There is no restriction on content, except as defined by each newsgroup. Continued posting of off-topic articles is prohibited. Please note that commercial advertisements are off-topic in the vast majority of newsgroups.

• Internet Relay Chat (IRC)

The use of IRC bots is prohibited, as is the violation of any accepted policies on IRC servers. If West Liberty University is banned from a server, the offending account will be terminated.

• General

Impersonation: Attempting to impersonate any person, using forged headers or other identifying information, is prohibited. The use of anonymous remailers and nicknames does not constitute impersonation.

Network unfriendly activity: Activities which adversely affect the ability of other people or systems to use West Liberty University services or the Internet is prohibited.

Privacy violations: Attempts, whether successful or not, to gain access to any computer system, or customer's data, without consent is prohibited.

• Web Hosting

West Liberty University will not host web sites which involve illegal activities such as the illegal transfer or use copyrighted materials or any fraudulent solicitation.

West Liberty University will not host web sites of an offensive nature such as ones involving pornography, gambling, extreme violence, racial or ethnic hatred.

West Liberty University reserves the right to protect its system and its customers by not hosting sites that would be deemed generally offensive and be likely to provoke responses such as Denial-of-Service attacks upon its servers and system.

• Financial

Re-selling service without express written consent from West Liberty University is prohibited. Offering any public information service, such as running a web server or FTP server, is also prohibited without express written consent from Information Technology Services (ITS). Using programs to defeat system timers limiting inactivity is prohibited. Untimely payment of any and all amounts due may result in account cancellation.

• Privacy

It may be necessary for ITS employees to examine system accounting logs and other records to resolve system problems. West Liberty University reserves the right to access an account's mailbox to resolve system problems or mail system errors.

In addition, West Liberty University will cooperate with the appropriate legal authorities in investigating claims of illegal activity, including but not limited to illegal transfer or use of copyrighted material, postings or e-mail containing threats of violence, or other illegal activity.

West Liberty University makes no guarantee and assumes no liability for the security of any data on any server including "secure servers."

Our customers are reminded that no computer system should be considered safe from intrusion. E-mail may pass through many computer systems, and should not be considered a secure means of communication unless encrypted. Even then, information is only as secure as the encryption method.

• Rationale

This document provides a general understanding of West Liberty University's policy on the Appropriate Use of West Liberty University's information technology services. Common sense and judgment are a necessary part of any system of rules, and this AUP is no exception. Of course, flagrant or repeated violations of the Policy are viewed in a very different light than minor infractions.

Protection of our customers and our resources, the ability to provide quality service to our customers, conformance with existing law, and the protection of our reputation as a service provider are all contributing factors to decisions on AUP violations.

If a West Liberty University account is used to violate the AUP, the following actions may include , but not necessarily be limited to:

- suspension or revocation of computing privileges
- reimbursement to WLU for resources consumed;
- other legal action including action to recover damages;
- referral to law enforcement authorities;
- computer users will be referred as follows..
  - Faculty – To College Dean then to Provost
  - Staff – To Human Resources Administrator
  - Students – To Instructor (or College Dean)

GRADES AND REPORTS

The letter system of marks and grading is employed by West Liberty University. Equivalents are as follows:

Grade	*Explanation*	*Quality points per semester hour*
A	Superior	4
B	Above average, Good	3
C	Average	2
D	Below average; Passing	1
F	Failure	0

At the discretion of the instructor, a course grade of "F" may be awarded in cases of academic dishonesty occurring at any time during the semester.

I Incomplete (to be given at discretion of the instructor and must be completed within one semester after end of course or an "F" will be recorded). Failure to reenroll during the succeeding semester will not extend time permitted to remove incomplete grades unless the instructor submits an extension of the incomplete grade. STUDENTS DO NOT RE-REGISTER FOR THE COURSE IN WHICH THE INCOMPLETE WAS RECEIVED.

K Credit without grade. Does not affect quality points. The grade of **K** is given when a student passes a course taken on a **Pass/Fail** basis or a **Credit/No Credit** basis. The grade of K is also given when a student receives credit for a course by examination. **Only courses specifically designated by the Curriculum Committee may be taken on a Pass/Fail or Credit/No Credit basis.**

W To be given if a student officially withdraws from a class by the end of the school day marking the two-thirds point of the course.

WP Withdrew Passing. Given if a student officially withdraws from a course any time after the two-thirds point and before the last scheduled class meeting, providing he/she is passing the course at the time of the withdrawal. Does not affect the grade point average.

WF Withdrew Failing. Given if a student officially withdraws after the two-thirds point and is failing at the time of withdrawal: counts as a failing grade in computing the grade point average.

FI Failure Irregular Withdrawal. Given when a student fails to officially withdraw from a course. Counts as a failing grade in computing the grade point average.

X Audit . Courses completed with an "Audit" grade carry no semester hours credit and are not counted in the calculation of the grade point average.

N - Grade given when a student does not successfully complete a course offered on a Credit/No Credit basis. Does not affect the grade point average. Only courses specifically designated by the Curriculum Committee may be taken on a Credit/No Credit basis.

QUALITY POINTS

A student's grade point average is determined by dividing the number of quality points earned by the number of credit hours attempted. No quality points are earned for grades of "F," "WF," and "FI," but the hours attempted in such courses are used in the computation of the quality point average.

In order to be graduated, a candidate for a degree must have earned an overall quality point average of at least 2.00. An average of at least 2.00 is required in the major and minor fields of study.

Additionally, some major and minor fields require qualitypoint averages of above 2.00; refer to the appropriate departmental listing in this catalog for specifice requirements.

All grades earned in undergraduate university-level courses at West Liberty University and any other regionally accredited higher education institution attended will be included in the computation of the grade point average.

GRADE APPEAL

Students who believe that a grade received is not equitable should consult the Student Handbook and the Provost for appellate procedures and time frames.

AUDITING COURSES

Students may enroll in courses without working for grade or for credit by registering as auditors and by paying the regular tuition and fees. Attendance requirements for auditors shall be determined by the instructor of the course. Students may change from credit to audit during the regular withdrawal period with the permission of the instructor. Audited courses will not count toward certification for veterans' benefits, athletic eligibility or certification as a full-time student. Students who register as auditors may not change their registration from audit to credit after the last day to add a course.

REPETITION OF COURSES

If a student earns a grade of "D" or "F" in any course taken no later than the semester or term during which he/she attempts the sixtieth semester hour, and if he/she repeats this course prior to the receipt of a baccalaureate degree, the original grade shall be disregarded and the grade or grades earned when the course is repeated shall be used in determining the cumulative grade point average. The original grade will not be deleted from the student's record.

A student may repeat for credit a course in which a grade higher than 'D' has been received. However, the course will only be counted once in meeting the hours needed for graduation. The original grade will be retained in the computation of grade point averages.

ACADEMIC FORGIVENESS POLICY

Academic forgiveness is intended for the student who is returning to university and who has not been enrolled as a fulltime student (12 or more credit hours) in any institution of higher learning during the four consecutive academic years immediately preceding the readmission semester. Only the students applying for readmission after the effective date of this policy will be eligible for forgiveness under this policy. When academic forgiveness is granted, failing grades earned prior to the four consecutive academic year period immediately preceding the beginning of the readmission semester are excluded from the computation of the grade point average. However, no failing grade will be removed from the permanent record. The academic forgiveness policy may be applied after a student has completed a semester

as a fulltime student, has earned at least 12 credit hours that apply toward graduation, and has achieved a G.P.A. of at least 2.0 for that readmission semester.

Academic forgiveness will be granted only once for any student. The Registrar will give consideration to a request for forgiveness upon receipt of a signed, written request from the student which certifies that the student has not been enrolled as a full-time student (12 or more credit hours) in any institution of higher learning during the four consecutive academic years immediately preceding the readmission semester. Should the student have attended any institution of higher education on a part-time basis during the specified four-year period, he/she must have earned at least a 2.0 G.P.A. in all course work attempted. If all conditions have been met, academic forgiveness will be granted at the time the G.P.A. is calculated officially by the Registrar upon completion of the readmission semester.

The academic forgiveness policy does not alter, change, or amend any other existing policies at West Liberty University. This policy pertains only to the calculation of the G.P.A. required for graduation and does not pertain to the G.P.A. calculated for special academic recognition (such as graduating with honor) or to requirements for professional certification which may be within the province of licensure boards, external agencies, or the West Virginia Board of Education. The Regents' Bachelor of Arts Program is governed by a different forgiveness policy.

West Liberty University is not bound by the decision of any other institution to disregard grades earned in university courses. Similarly, students should be aware that academic forgiveness extended by this institution may not be recognized by other institutions to which they may transfer.

This policy went into effect with the second semester of the 1991-92 academic year and is not retroactive. The policy is not applicable to any student who has completed a baccalaureate degree. It is applicable only to those students who meet the requirements listed above who transfer into or reenter West Liberty University in the Spring of 1992 or later.

PROBATION AND SUSPENSION POLICY

1. Any student whose cumulative scholastic record shows a deficit of nine (9) quality points will automatically acquire probationary status. This means, specifically, a deficit of nine (9) quality points below a 2.0 average.

2. Any student who is placed on probation as a result of a quality point deficit, will remain on probation until the cumulative average again reaches a 2.0. While on probation, a maximum course load of 15-16 hours per semester is permissible.

3. With the exception of first semester freshmen, any student who has a cumulative deficit of 18 quality points or more after one or more semesters of attendance at West Liberty University shall be suspended for a period of one semester. No student will be placed on academic suspension without first being placed on probation for one semester, or being admitted on probation. Such suspension will occur at the end of the second semester of each academic year. Any student placed on suspension will have the opportunity to attend summer school and if, as the result of the summer school grades, the qualitypoint deficit is reduced to less than 18, the student will be permitted to continue on academic probation the next academic year. The only students who will be placed on academic suspension at the end of the first semester of each year are those who were admitted or readmitted with special conditions and fail to meet these conditions, or were previously on probation.

4. A student returning from a period of suspension will reenter on a probationary basis and will remain on that basis until the quality point deficit is removed. The length of time permitted to remain in university after such a return will depend upon the progress which is made toward reducing the quality point deficit each semester. A second suspension will be for a one-year period. In the event of any doubt as to status at the end of a given term, the student's case will be reviewed by the Committee on Admissions and Credits.

5. A student may have no more than two suspensions and readmission. The third suspension is final.

6. Students wishing to appeal a first or second academic suspension must follow procedures outlined in their suspension letter.

7. Transfer students must adhere to the above policies.

CLASS ATTENDANCE POLICY

The students of West Liberty University depend upon the faculty, staff, and other resources. Faculty and students depend upon the class schedule for an orderly arrangement of instruction. Scheduled classes testify to the importance of ordered class instruction and the implicit benefit of class attendance for the students.

Consequently, the policy of West Liberty University encourages all students to attend classes and all instructors to organize and conduct their courses accordingly. Students should attend every class for which they are scheduled as they are held responsible for all work covered in the courses taken. Irregularity in attendance may cause a student to become deficient scholastically and create the risk of receiving a failing mark or receiving a lower grade than he/she might have secured had he/she been in regular attendance.

Failure to attend the first scheduled meeting of any classes may result in cancellation of registration in those classes unless the student has notified the instructor, in writing, prior to the first meeting of inability to be in attendance. All attendance policies go into effect upon the first meeting of a class.

Instructors must distribute written copies of their attendance policy to students in their classes, their department chairperson, and their college dean within the "add" period.

Regularly scheduled classes take precedence over all other activities. No penalty may be imposed upon a student for failure to perform curricular or extracurricular responsibilities that are scheduled in conflict with a regular class.

Instructors should provide, within reason, the opportunity for students who miss class for academic recorded curricular and extracurricular activities (such as field trips, debate trips, choir trips, and athletic contests) to make up work. However, it is the student's responsibility to initiate timely discussion on these matters with the faculty member of the regular scheduled class.

The Health Service does not provide students with excuse slips in the case of student illnesses.

ABSENCES FROM EVENING CLASSES

Because of the long class periods, each absence from an evening class is considered especially detrimental to good class work.

WITHDRAWAL FROM COURSES

A student who officially withdraws from a course by the end of the school day marking the twothirds point of the semester or summer term shall receive a grade of "W." A grade of "WP" is given if a student officially withdraws from a course any time after the twothirds point and before the last scheduled class meeting, providing he or she is passing the course at the time of withdrawal. A "WF" will be given if a student officially withdraws any time after the twothirds point and before the last scheduled class meeting, if he or she is failing the course at the time of withdrawal. A student who does not officially withdraw from a course shall receive a grade of "FI," indicating failure because of improper withdrawal. Grades of "WF" and "FI" are computed as "F" for grade point average.

Drop forms are available in the Enrollment Services Center. It is the student's responsibility to have the signed forms returned to the Enrollment Services Center. The official withdrawal date is the date signed by the instructor. The last date to drop a course is listed on the academic calendar. Students can drop courses on-line via WINS until the last day to add courses.

WITHDRAWAL FROM UNIVERSITY

Students who find it necessary to withdraw from university during the course of a semester or summer term must complete the official withdrawal procedure. The necessary forms may be obtained from the Enrollment Services Center.

Students who leave West Liberty University without officially withdrawing will receive failing grades ("FI") in all courses for which they are enrolled.

The final grade in each course will be determined by each instructor in accordance with the institutional grading policy.

Students cannot drop a course after the last regularly scheduled class meeting. Courses cannot be dropped once final exams begin.

Students withdrawing from a course or courses are responsible for any costs owed the university based on refund policies.

PROCEDURES FOR STUDENTS CALLED TO ACTIVE MILITARY SERVICE

As a result of a national military emergency, university students may be among the military reservists called to active duty. Consequently, the following procedure is to be used in those instances wherein students from West Liberty University are called to active military service and can provide a copy of their official orders.

Upon receiving their orders to report for active duty, students must contact the Veteran's Clerk in the Enrollment Services Center, who will inform the students on the institutional procedure listed below.

If the student is called to active duty during the first four weeks of the semester, a Cancellation of Registration Form will be completed and the student will be issued a full refund of tuition and fees. No credit will be given for the respective semester.

If the student is called to active duty beginning the fifth week of the semester through the eleventh week of the semester, incomplete grades will be issued to the student. The student's instructors will be contacted by the Enrollment Services Center regarding grading procedures. It will be the student's responsibility to contact individual instructors regarding the completion of work upon returning from active duty. At the discretion of the instructor, letter grades may be given if sufficient coursework has been completed.

If the student is called to active duty beginning with the twelfth week of the semester, letter grades will be issued by the student's instructors. These grades will be determined by the instructor based on the coursework and grades earned up to the withdrawal date. The student's instructors will be contacted by the Enrollment Services Center regarding grading procedures.

If the student resides in campus owned housing, a Cancellation of Room and Board Form must be completed with the Residence Life staff. The student must designate on this form an individual to complete move out procedures if he/she is unable to do so. Refunds will be prorated based on the number of weeks spent utilizing campus owned housing and meal plan.

ACADEMIC LOAD

Students must register for at least 12 credit hours to be considered a full-time student. The normal academic load for a semester is 16-17 credit hours. First semester freshmen are advised to take no more than 17 credit hours; however, those with a strong academic background may take up to 23 credits with approval. Nonprobationary second semester freshmen, sophomores, juniors, and seniors may take up to 23 credit hours. More than 23 hours may be taken only if approved by the appropriate college dean. Probationary students may take no more than 15-16 credit hours. Students working part-time should carry a reduced load. Veterans should check with the Enrollment Services Center for load requirements and benefits.

Students taking 19 hours or more will pay a service fee.

CLASSIFICATION OF STUDENTS

Students who have completed 95 or more semester hours of university work will be classified as seniors.

Students who have completed from 60 to 94 semester hours will be classified as juniors.

Students who have completed from 28 to 59 semester hours will be classified as sophomores.

Students with fewer than 28 semester hours will be classified as freshmen.

DEAN'S LIST

At the end of each semester the Enrollment Services Center prepares a Dean's List of students who have done outstanding scholastic work for that semester. To be eligible for the Dean's List, a student must complete a minimum

of twelve semester hours with a qualitypoint average of at least 3.50.

ADVISORS

The ultimate responsibility in fulfilling graduation requirements is that of the student. An academic advisor is the counselor or faculty member who helps the student in the process of planning his or her career of coursework at WLU. Because not all courses are offered every semester, and course offerings may vary from one year to the next, students are required to consult with their academic advisor at least once each semester prior to registration.

When a freshman or transfer student enters the university, a staff member or a faculty member is selected to serve as the student's advisor. The advisor is responsible for assisting students in planning their curriculum, and in scheduling required courses to meet general graduation requirements, requirements for a major or minor field of study. When a student chooses, or changes, a major field of study, the student should consult the Enrollment Services Center to select an advisor in the new major field.

GENERAL REQUIREMENTS FOR GRADUATION

It is the ultimate responsibility of the student to insure that all graduation requirements are met. The graduation requirements listed below apply to all candidates for baccalaureate degrees except the Regents Bachelor of Arts degree and the Bachelor of Arts in Organizational Leadership and Administration:

1. All candidates for graduation must make application for graduation to the Enrollment Services Center by the stated deadline on the academic calendar.

2. Candidates for graduation must meet in full all financial obligations to the University, including the payment of the Graduation Fee, prior to Commencement. The Graduation Fee is required of all graduating students, even if the student is unable to attend the ceremony.

3. Candidates for graduation must attend the commencement exercises and wear the prescribed academic regalia. Students completing degree requirements during the Spring Semester participate in the May Commencement; those completing requirements during the Summer or Fall Semester participate in the December Commencement.

4. All degree candidates must earn at least 36 semester hours of residence credit at West Liberty University. At least 16 of the last 32 hours before graduation must be completed in residence at West Liberty University. Each student must complete at West Liberty University a minimum of 15 semester hours of credit in the major field of study. Any exception to these requirements must be approved by the Committee on Admissions and Credits.

5. Students must pass a minimum of 120 to 128 semester hours, depending on major, including all required courses for all baccalaureate degrees, of which, at least 56 hours for a 128 hour program and 48 hours for a 120 hour program must have been earned at four-year colleges or universities. A minimum of forty semester hours in junior and senior courses (300 and 400 level) is required of all candidates for graduation. A maximum of 72 hours can be applied from two-year schools.

6. For graduation, all applicants must have a cumulative grade point average of at least 2.00. To be eligible for graduation in any Teacher Education program, a minimum cumulative grade point average of 2.50 is required. There are additional programs that require more than the minimum 2.00 for graduation; for specific departmental requirements, refer to the appropriate departmental listing in this catalog.

7. To be eligible for graduation the applicant must have earned a minimum grade of "C" in each of the following: Freshman English 101, Freshman English 102, and Fundamentals of Oral Communications 101.

8. In addition to the above requirements, students majoring in teacher education programs must meet the graduation and certification requirements listed in the Teacher Education Admission and Retention Policy.

9. In addition to the requirements listed above, candidates for graduation must meet any specific requirements of the academic departments from which the major and/or minor fields are being completed. Refer to the departmental sections of the catalog.

CATALOG DETERMINES GRADUATION REQUIREMENTS

A student may be graduated by fulfilling the requirements listed in the catalog which was in effect at the time of his/her original entrance to West Liberty University, provided the degree is conferred within six calendar years from the time of entrance. However, students majoring in teacher education are subject to any changes mandated by state or national requirements. Students who have interrupted attendance in university will generally be required to meet the requirements of the catalog in effect at the time of reentrance to West Liberty University.

Students may request a change to a later catalog if it is in their best interests to do so. In such cases, students must meet all requirements in the newer catalog, including general education as well as the new requirements in the major/minor. No student may transfer to a catalog in effect prior to his/her initial registration at West Liberty University, nor may a student return to the requirements of a former catalog, having once transferred to a later edition.

The Committee on Admissions and Credits has the right to make final decisions concerning the requirements which must be met.

EVALUATION OF CREDITS

Students should review their academic record with their academic advisor to make sure all graduation requirements are being met. Academic advisors have online access to degree evaluations.

GRADUATION WITH HONORS

Recognition is accorded candidates for graduation as follows:

Summa Cum Laude	3.90 - 4.00
Magna Cum Laude	3.70 - 3.89
Cum Laude	3.50 - 3.69

Eligibility for graduation with honors is based upon the student's overall grade point average, which includes all

courses from West Liberty University and all university-level courses transferred from other regionally accredited institutions.

To be eligible for consideration for graduation with honors, a student must have completed a minimum of 36 semester hours of credit for regular letter grade (A, B, C, D, F,) at West Liberty University.

UNDERGRADUATE DEGREE PROGRAMS

GARY E. WEST COLLEGE OF BUSINESS

Bachelor of Science in Information Systems
Bachelor of Science in Business Administration
Specializations:
Accounting
Computer Information Systems
Finance
General Business
Health Care Management
Management
Marketing
Sports Management
Tourism and Event Management
Minors:
Business Administration
Computer Information Systems
Economics
Entrepreneurship
Finance
Marketing
Entrepreneurship Certificate through the Center for Entrepreneurship

COLLEGE OF EDUCATION

BACHELOR OF ARTS IN ELEMENTARY EDUCATION

BACHELOR OF ARTS IN COMMUNITY EDUCATION

In partnership with other colleges within the university, students may earn the following:

Bachelor of Arts in English Education
Bachelor of Arts in Social Studies Education
Bachelor of Arts in Mathematics in Education
Bachelor of Arts in Biology Education
Bachelor of Arts in Chemistry Education
Bachelor of Arts in General Science
Bachelor of Arts in Music Education
Bachelor of Arts in Art Education

- Academic major is a selected field of study that meets university requirements for a specific degree.
- Certification is a set of courses that approved and recognized by the WV State Department of Education for teacher licensure. In addition to coursework, students must meet additional requirements prescribed by the state which may include but is not limited to a background check and national certification standardized tests. Our education degrees are aligned to the certification requirements.
- Endorsements are additional areas of licensure added to or taken concurrently with an existing certification.

Certifications:
- Elementary K-6
- Early Education PreK-K
- Music Education PreK-Adult (Choral and Instrumental)
- Physical Education PreK-Adult
- Health Education PreK-Adult
- Art Education PreK-Adult
- Social Studies 5-Adult
- Mathematics 5-Adult
- Biology 9-Adult
- Chemistry 9-Adult
- General Science 5-Adult
- English 5-Adult
- Multi-Categorical special education K-6 and 5-Adult (learning disabilities, behavior disorders, and mental impairments)

Endorsements for Middle School 5-9:
- English
- Social Studies
- General Science
- Mathematics

Minors:
Athletic Coaching
Community Education
Exercise Physiology
Health and Fitness
Special Education

DEPT. OF HEALTH AND HUMAN PERFORMANCE

Bachelor of Arts in Physical Education
Bachelor of Arts in Health Education Pre-K-Adult
Bachelor of Science in Exercise Physiology
Bachelor of Science in Athletic Training
Tracks: *Athletic Training*
Pre-Professional

Minors:
Athletic Coaching
Exercise Physiology
Health and Fitness

MASTER OF ARTS IN EDUCATION

Tracks: *Advanced Teaching*
Community Education
Entrepreneurship for Teaching
Leadership Studies
Advanced Special Education
Special Education Multi-Categorical Certification
Sports Leadership and Coaching
Technology Integration
Master Teacher

COLLEGE OF ARTS AND COMMUNICATION

DEPARTMENT OF JOURNALISM, COMMUNICATION STUDIES, AND VISUAL ARTS
Bachelor of Science:
Major: Graphic Design
Digital Media Design
Media Design
Bachelor Science in Communications:
Major: Advertising Communication
Broadcasting
Documentary Film
Journalism
Public Relations
Sports Broadcasting
Bachelor of Science in Communication Studies:
Major: Communications Studies

Bachelor of Science in Creative Art Therapy

Bachelor of Arts:
Teacher Ed.: Art Education 5Adult
Teacher Ed.: Art Education PreK-Adult
Teacher Ed.: Art Education 59 Certification*

Minors:
Advertising Communication
Art
Communication Studies
Graphic Design
Public Relations

* Must be added to a 5-Adult Teacher Education degree. Not a stand-alone certification.

DEPARTMENT OF MUSIC AND THEATER
Bachelor of Arts Degree:
Teacher Ed.: Music Education PreK-Adult

Bachelor of Music
Concentration: *Performance,*
Music Technology

Bachelor of Science Degree in Communication:
Major: Theater

Minors: *Music*
Theater

COLLEGE OF LIBERAL ARTS

DEPARTMENT OF HUMANITIES
Bachelor of Arts in English:
Majors: Literature
Graphic Narrative
Rhetoric and Writing

Bachelor of Arts in Education in English
* Certification: English 5-9

DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES
Bachelor of Science in Criminal Justice
Bachelor of Arts or Bachelor of Science in Psychology
Bachelor of Arts in Education - Social Studies Comprehensive
* Certification: Social Studies 5-9
Bachelor of Arts or Bachelor of Science in Social Science
Majors: Appalachian Studies
Geography
History
Interdisciplinary Studies
International Studies
Political Science
Sociology

Bachelor of Social Work
Minors: Appalachian Studies, Cultural Landscapes, Geography, History, Interdisciplinary Pre-Law, International Studies, Medieval Studies, Physical Landscapes, Psychology, Sociology, Social Work

* Must be added to a 5-Adult Teacher Education degree. Not a stand-alone certification.

COLLEGE OF SCIENCES

Bachelor of Science in Biology
Majors:
WLU/WVU Dental Early Admission Program (DEAP)
Ecology, Evolution, and Organismal Biology
General Biology
Microbiology
Pre-Medicine
Pre-Professional
Environmental Stewardship and Education

Bachelor of Science in Chemistry
Bachelor of Arts in Education in Biology
Bachelor of Arts in Education in Chemistry
Bachelor of Arts in Education in General Science
* Certification: General Science 5-9
Associate in Science in Dental Hygiene
Bachelor of Science in Dental Hygiene
Bachelor of Science in Mathematics

Bachelor of Arts in Education in Mathematics
** Certification: Mathematics 5-9*
Bachelor of Science in Medical Laboratory Science
Bachelor of Science in Nursing
Bachelor of Science in Speech Pathology-Audiology

Pre Professional Preparation For:
Dental School
Engineering
Graduate School
Medical / Osteopathic School
Optometry School
Pharmacy School
Physical Therapy
Physician Assistant
Speech Pathology / Audiology
Veterinary Science School

Minors:
Biology
Chemistry
Mathematics

Master of Science in Physician Assistant Studies

***** Must be added to a 5-Adult Teacher Education or Elementary Education degree. Not a stand-alone certification

GENERAL STUDIES PROGRAM

The WLU General Studies program provides the student with the opportunity to develop the essential skills and to gain the knowledge expected of one who earns a baccalaureate degree. While each major curriculum has its own particular objectives, the General Studies program represents the core foundation upon which all academic programs and the following Student Development Goals are built.

STUDENT DEVELOPMENT GOALS:

1. Critical Thinking
   Upon completion of the required courses in the General Studies Program, students will think critically
2. Effective Oral Communications
   Upon completion of the required courses in the General Studies Program, students will have effective oral communication skills
3. Effective Writing
   Upon completion of the required courses in the General Studies Program, students will demonstrate writing proficiency
4. Technology Literacy
   Upon completion of the required courses in the General Studies Program, students will demonstrate technology literacy
5. Global Perspective
   Upon completion of the required courses in the General Studies Program, students will adopt a global view of the world and demonstrate knowledge of diversity
6. Proficiency in Basic Mathematics and Science
   Upon completion of the required courses in the General Studies Program, students will show proficiency in basic mathematics and scientific reasoning
7. Awareness and Utilization of a Wellness Lifestyle
   Upon completion of the required courses in the General Studies Program, students will have an overview of wellness

***REQUIREMENTS**:*

General Studies requirements for students who have already earned a Bachelor Degree from an accredited institution of higher education are considered to be completed.

OVERVIEW OF GENERAL STUDIES REQUIREMENTS:

The *B.S. Degree* requires *48 hours* of General Studies courses which consist of:
- Communications – 9 hrs
- Mathematics – 3 hrs
- Natural Sciences – 8 hrs
- Fine Arts and Humanities – 9 hrs
- Social and Behavioral Sciences – 12 hrs
- Business and Economics – 3 hrs
- Wellness/Physical Education – 4 hrs

The *B.A. Degree - Liberal Arts* requires *63 hours* of General Studies courses which consist of:
- Communications – 21 hrs
- Mathematics – 3 hrs
- Natural Sciences – 8 hrs
- Fine Arts and Humanities –12 hrs
- Social and Behavioral Sciences – 12 hrs
- Business and Economics – 3 hrs
- Wellness/Physical Education – 4 hrs

The *B.A. Degree - Education* requires *45-50 hours* of General Studies courses which consist of:
- Communications – 9 hrs
- Mathematics – 3-7 hrs
- Natural Sciences – 8 hrs
- Fine Arts and Humanities – 9 hrs
- Social and Behavioral Sciences – 12 hrs
- Wellness/Physical Education – 4-5 hrs

BACHELOR OF SCIENCE
48 Hours in General Studies

COMMUNICATIONS – 9 Sem. Hrs.
(*To be eligible for graduation, a minimum grade of "C" is required in each of these courses.)*

ENG 101 College Composition I ..... 3 hrs
ENG 102 College Composition II ..... 3 hrs
COM 101 Fund of Oral Communication..... 3 hrs

MATHEMATICS – 3 Sem. Hrs.
Choose one course from the following:

MATH 102 Nature of Math ..... 3 hrs
* MATH 140 College Algebra ..... 3 hrs
* MATH 145 Precalculus Algebra ..... 3 hrs
MATH 160 Introduction to Statistics..... 3 hrs
MATH 210 Calculus & Analytic Geometry I..... 5 hrs

***** MATH 140 or 145 or 210 is required of students receiving the B.S. in Business Administration. **(*Check in your major field for required courses*.)**

NATURAL SCIENCES – 8 Sem. Hrs.
Life Science: Choose one course with lab from the following:

BIO 105 - Life Sciences for Non Major
BIO 106 - Life Sciences for Non Major Lab ..... 4 hrs
BIO 124 Biological Principles
BIO 125 Biological Principles Lab..... 4 hrs
(*Check in your major field for required courses.)*

Physical Science: Choose one course and lab from the following:

CHEM 100 Foundations of Chemistry
CHEM 101 Foundations of Chemistry Lab ..... 4 hrs
CHEM 110 General Chemistry I
CHEM 111 General Chemistry I Lab..... 4 hrs
PHYS 101 Elementary Physics I
PHYS 110 Elementary Physics Lab I..... 4 hrs
PHYS 190 The Physical World
PHYS 191 The Physical World Lab ..... 4 hrs
PHYS 345 Earth and Space Science & Lab ..... 4 hrs
(***Check in your major field for required courses.)***

FINE ARTS/HUMANITIES -

A. Fine Arts:
Choose one course from the following: 3 hrs

FA 101 Fine Arts as a Human Experience ..... 3 hrs
ART 100 Fundamentals of Art..... 3 hrs
ART 140 Appreciation of the Art Major..... 3 hrs
ART 340 History of Western Art I ..... 3 hrs
ART 341 History of Western Art II ..... 3 hrs
ART 343 Survey of Non-Western Art ..... 3 hrs
MUS 130 Apprec. of Music ..... 3 hrs
MUS 131 Introduction to Music Literature..... 3 hrs
MUS 132 Jazz Appreciation..... 3 hrs
COM 203 Argumentation & Debate ..... 3 hrs
COM 211 Mass Communication Media ..... 3 hrs
THE 100 Theater Appreciation ..... 3 hrs
THE 300 Hist. of the Theatre ..... 3 hrs

B. Literature:
Choose any Literature course with ENG prefix…. 3 hrs

C. Philosophy, Religion or Foreign Language – (Choose any course with the consent of the instructor). ..3 hrs

SOCIAL AND BEHAVIORAL SCIENCES – 12 Sem. Hrs.

A. History
Choose one course from the following: ..... 3 hrs

HIST 103 Hist. of Civilization I ..... 3 hrs
HIST 104 Hist. of Civilization II ..... 3 hrs
HIST 210 Hist. of U.S. To 1865..... 3 hrs
HIST 211 Hist. of U.S. Since 1865..... 3 hrs

Students must choose one course each from *three* of the following four groups:……..…….9 hrs

B. Geography

GEO 205 Intro. to Geography ..... 3 hrs
GEO 206 World Regional Geography..... 3 hrs

C. Political Science & Social Science

POLS 101 Basic Concepts/Politics & Government 3 hrs
POLS 201 Nat'l. Government ..... 3 hrs

D. Sociology

SOC 150 Basic Concepts of Sociology.....3 hrs
SWK 201 Ethnicity, Diversity and Cultural Awareness .....3 hrs

E. Psychology

PSYC 101 Intro to Psychology.....3 hrs

BUSINESS AND ECONOMICS – 3 Sem. Hrs.
Choose one course from the following:

* ECON 101 Principles of Macroeconomics .....3 hrs
ECON 102 Principles of Microeconomics .....3 hrs
** GBUS 140 Intro. to Business.....3 hrs
ECON 131 Financial Literacy.....3 hrs

*ECON 101 required of students receiving the B.S. in Business Administration and B.S. in Business Information Systems.
**GBUS 140 required of students minoring in Business Administration or CIS.

WELLNESS/PHYSICAL EDUCATION – 4 Sem. Hrs.

* PE 101 Gen. Program in PE I ..... 1 hr
* PE 102 Gen. Program in PE II ..... 1 hr
HE 253 Personal Health .....2 hrs
HE 250 Introduction to Health.....3 hrs

Students must choose HE 253 **or** HE 250.
*Credits earned in PE 101 & PE 102 must be in different activities.

BACHELOR OF ARTS
LIBERAL ARTS
63 Hours in General Studies

COMMUNICATIONS – 21 Sem. Hrs.
(***To be eligible for graduation, a minimum grade of "C" is required in ENG 101 & 102 and COM 101.)***
ENG 101 College Composition I .....3 hrs
ENG 102 College Composition II .....3 hrs
COM 101 Fund of Oral Communication.....3 hrs
FOREIGN LANGUAGE.....12 hrs
(All credits must be in a single foreign language)

MATHEMATICS – 3 Sem. Hrs.
Choose one course from the following:
MATH 102 Nature of Math. .....3 hrs
MATH 140 College Algebra.....3 hrs
MATH 145 Precalculus Algebra .....3 hrs
MATH 160 Intro. to Statistics ..... 3 hrs
MATH 210 Calculus & Analytic Geometry I..... 5 hrs
(*Check in your major field for required courses*.)

NATURAL SCIENCES – 8 Sem. Hrs.
Life Science: Choose one course with lab from the following:
BIO 105 Life Sciences for Non Major
BIO 106 Life Sciences for Non Major Lab..... 4 hrs
BIO 124 Biological Principles
BIO 125 Biological Principles Lab ..... 4 hrs
(Check in your major field for required courses.)

Physical Science: Choose one course and lab from the following:
CHEM 100 Foundations of Chemistry
CHEM 101 Foundations of Chemistry Lab ..... 4 hrs
CHEM 110 General Chemistry I
CHEM 111 General Chemistry I Lab.....4 hrs
PHYS 101 Elementary Physics I
PHYS 110 Elementary Physics Lab I.....4 hrs
PHYS 190 The Physical World
PHYS 191 The Physical World Lab ..... 4 hrs
PHYS 345 Earth and Space Science & Lab .....4 hrs
(Check in your major field for required courses.)

FINE ARTS/HUMANITIES .....12 Sem. Hrs.
A. Fine Arts:
Choose one course from the following: .....3 hrs
ART 100 Fundamentals of Art..... 3 hrs
ART 140 Appreciation of the Art Major ..... 3 hrs
ART 340 Hist. of Western Art I ..... 3 hrs
ART 341 Hist. of Western Art II ..... 3 hrs
ART 343 Survey of Non-Western Art .....3 hrs
COM 203 Argumentation & Debate ..... 3 hrs
COM 211 Mass Communication Media .....3 hrs
THE 100 Theater Appreciation..... 3 hrs
THE 300 Hist. of the Theatre ..... 3 hrs
FA 101 Fine Arts as a Human Experience .....3 hrs
MUS 130 Appreciation of Music..... 3 hrs
MUS 131 Introduction to Music Literature.....3 hrs
MUS 132 Jazz Appreciation.....3 hrs

B. Literature:
Choose any Literature course with ENG prefix.....3 hrs

C. Philosophy or Religion: Choose any course....3 hrs

D. Elective:
Choose one additional course from A, B, or C….. 3 hrs

SOCIAL AND BEHAVIORAL SCIENCES – 12 Sem. Hrs.

A. History
Choose one course from the following three hours
HIST 103 History of Civilization I .....3 hrs
HIST 104 History of Civilization II ..... 3 hrs
HIST 210 History of U.S. To 1865 .....3 hrs
HIST 211 History of U.S. Since 1865.....3 hrs
Students must choose one course each from *<u>three</u>* of the following four groups:……9 hrs

B. Geography
GEO 205 Introduction to Geography .....3 hrs
GEO 206 World Regional Geography.....3 hrs

C. Political Science & Social Science
POLS 101 Basic Concepts/Politics & Government3 hrs
POLS 201 National Government ..... 3 hrs

D. Sociology
SOC 150 Basic Concepts of Sociology.....3 hrs
SWK 201 Ethnicity, Diversity and
Cultural Awareness .....3 hrs

E. Psychology
PSYC 101 Intro to Psychology.....3 hrs

BUSINESS AND ECONOMICS – 3 Sem. Hrs.
Choose one course from the following:
FIN 131 Financial Literacy ..... 3 hrs
ECON 101 – Prin. of Macroeconomics ..... 3 hrs
ECON 102 – Prin. of Microeconomics ..... 3 hrs
** GBUS 140 – Intro. to Business..... 3 hrs
** GBUS 140 required if students minoring in Business Administration or CIS.

WELLNESS/PHYSICAL EDUCATION – 4 Sem. Hrs.
* PE 101 General Program in PE I ..... 1 hr
* PE 102 General Program in PE II ..... 1 hr
HE 253 Personal Health..... 2 hrs
HE 250 Introduction to Health..... 3 hrs
Students must choose HE 253 **or** HE 250.
*Credits earned in PE 101 & PE 102 must be in different activities.

BACHELOR OF ARTS
ELEMENTARY EDUCATION
44-45 Hours in General Studies

VERBAL COMMUNICATIONS 9
ENG 101* Freshman English I 3
ENG 102* Freshman English II 3
COM 101* Fund. of Oral Communication 3
A minimum grade of "C" is required for each of these courses.

MATHEMATICS 7
MATH 106 Mathematics for Elem. Teachers I 4
MATH 140 College Algebra 3

NATURAL SCIENCES 6
Life Science: Choose one course from the following:
BIO 140 Life Science I 3

Physical Science:
PHYS 140 Physical Science I 3

FINE ARTS/HUMANITIES 9
A. Fine Arts: Choose one course each from two of the following groups: **6**
1. ART 100 Fundamentals of Art 3
ART 150 Appreciation of the Art Major 3
ART 340 History of Western Art I 3
ART 341 History of Western Art II 3
ART 343 Survey of Non-Western Art 3
2. COM 203 Argumentation and Debate 3
COM 211 Mass Communication Media 3
THE 100 Theatre Appreciation 3
THE 300 History of the Theatre 3
3. FA 101 Fine Arts as a Human Experience 3
4. MUS 130 Appreciation of Music 3
MUS 330 History of Music I 3
MUS 331 History of Music II 3

B. Literature: Choose any literature course with an ENG prefix 3

SOCIAL and BEHAVIORAL SCIENCES 9
A. History
HIST 210 History of U.S. I, To 1865 3

B. Geography
GEO 205 Intro. to Geography 3
OR
GEO 206 World Regional Geography 3

C. Restricted Elective:
POL 201 National Government 3

PHYSICAL EDUCATION 2
PE 101 Gen. Program in PE I 1
PE 102 Gen. Program in PE II 1

HEALTH 2-3
HE 250 Intro to Health or
HE 253 Personal Health 2-3
(Credits earned in PE 101 & 102 must be in two different activities).

Students must choose HE 250 **or** HE 253 **in addition to** two activity courses.

BACHELOR OF ARTS
SECONDARY/COMPREHENSIVE EDUCATION
45-47 Hours in General Studies

COMMUNICATIONS – 9 Sem. Hrs.
To be eligible for graduation, a minimum grade of "C" is required in each of these courses.)
ENG 101 College Composition I ..... 3 hrs
ENG 102 College Composition II ..... 3 hrs
COM 101 Fund of Oral Comm. ..... 3 hrs

MATHEMATICS – 3-5 Sem. Hrs.
Choose one course from the following:
MATH 102 Nature of Mathematics ..... 3 hrs
MATH 140 College Algebra ..... 3 hrs
MATH 145 Precalculus Algebra ..... 3 hrs
MATH 160 Introduction to Statistics ..... 3 hrs
MATH 210 Calculus & Analytic Geometry. ..... 5 hrs

(*Check in your major field for required courses.*)

NATURAL SCIENCES – 8 Sem. Hrs.
Life Science: Choose one course with lab from the following:
BIO 105 Life Sciences for Non Major
BIO 106 Life Sciences for Non Major Lab ..... 4 hrs
BIO 124 Biological Principles
BIO 125 Biological Principles Lab ..... 4 hrs
(Check in your major field for required courses.)

Physical Science: Choose one course and lab from the following:
CHEM 100 Foundations of Chemistry
CHEM 101 Foundations of Chem. Lab ..... 4 hrs
CHEM 110 General Chemistry I
CHEM 111 General Chemistry I Lab ..... 4 hrs
PHYS 101 Elementary Physics I
PHYS 110 Elementary Physics I Lab ..... 4 hrs
PHYS 190 The Physical World
PHYS 191 The Physical World Lab ..... 4 hrs
PHYS 345 Earth & Space Science and Lab ..... 4 hrs
(Check in your major field for required courses.)

FINE ARTS/HUMANITIES – 9 Sem. Hrs.

A. Fine Arts: Choose one course each from *two* of the following groups: .....6 hrs

1. ART 100 Fundamentals of Art ..... 3 hrs
ART 140 Appreciation of the Art Major ..... 3 hrs
ART 340 History of Western Art I ..... 3 hrs
ART 341 History of Western Art II. ..... 3 hrs
ART 343 Survey of Non-Western Art..... 3 hrs

2. COM 203 Argumentation & Debate ..... 3 hrs
COM 211 Mass Comm. Media ..... 3 hrs
THE 100 Theater Appreciation..... 3 hrs
THE 300 History of the Theatre ..... 3 hrs

3. FA 101 Fine Arts as a Human Experience..... 3 hrs

4. MUS 130 Appreciation of Music ..... 3 hrs
MUS 131 Introduction to Music Literature..... 3 hrs
MUS 132 Jazz Appreciation..... 3 hrs

B. Literature: Choose any Literature course with ENG prefix.....3 hrs

SOCIAL AND BEHAVIORAL SCIENCES – 12 Sem. Hrs.

A. History:

Choose one course from the following:.....3 hrs
HIST 103 History of Civilization I ..... 3 hrs
HIST 104 History of Civilization II ..... 3 hrs
HIST 210 History of U.S. To 1865..... 3 hrs
HIST 211 History of U.S. Since 1865..... 3 hrs

B. Geography:

Choose one course from the following:.....3 hrs
GEO 205 Introduction to Geography .....3 hrs
GEO 206 World Regional Geography.....3 hrs

C. Social Science.....3 hrs

D. Restricted Electives:

Choose one course from the following: .....3 hrs
ECON 101 Prin. of Macroeconomics.....3 hrs
ECON 102 Prin. of Microeconomics ..... 3 hrs
GBUS 140 Introduction to Business .....3 hrs
HIST 103 History of Civilization I ..... 3 hrs
HIST 104 History of Civilization II ..... 3 hrs
POLS 101 Basic Concepts/Politics & Gov. .....3 hrs
POLS 201 National Government ..... 3 hrs
PSYC 101 Intro to Psychology .....3 hrs
SOC 150 Basic Concepts of Sociology.....3 hrs
SWK 201 Ethnicity, Diversity and Cultural Awareness .....3 hrs
PHILOSOPHY – Any Course.....3 hrs
FOREIGN LANGUAGE – Any Course.....3 hrs

WELLNESS/PHYSICAL EDUCATION – 4-5 Sem. Hrs.

* PE 101 General Program in PE I ..... 1 hr
* PE 102 General Program in PE II ..... 1 hr
HE 253 Personal Health .....2 hrs
** HE 250 Introduction to Health..... 3 hrs

Students must choose HE 253 **or** HE 250 **and** two activities.

* Credits earned in PE 101 & PE 102 must be in different activities.

** HE 250 must be taken by Physical Education and Health Education majors.

BACHELOR OF MUSIC
36 Hours in General Studies

COMMUNICATIONS – 9 Sem. Hrs.

(To be eligible for graduation, a minimum grade of "C" is required in each of these courses.)
ENG 101 College Composition I.....3
ENG 102 College Composition II.....3
COM 101 Fund of Oral Comm.....3

MATHEMATICS – 3-5 Sem. hours

MATH 102 Nature of Math.....3
MATH 140 College Algebra 3
MATH 145 Precalculus Algebra.....3
MATH 160 Introduction to Statistics 3
MATH 210 Calculus and Analytic Geometry I.....5

NATURAL SCIENCES– 4 Sem. Hrs.

BIO 105 & 106 Life Sciences for Non-Major 4
BIO 124 & 125 Biological Principles.....4
CHEM 100 & 101 Foundations of Chemistry.....4
CHEM 110 & 111 General Chemistry I 4
PHYS 101 & 110 Elementary Physics I.....4
PHYS 190 & 191 The Physical World 4

FINE ARTS - 6 Sem. Hrs.

FA 101 Fine Arts as a Human Experience 3
ART 100 Fundamentals of Art 3
ART 340 History of Western Art I.....3
ART 341 History of Western Art II.....3
ART 343 Survey of Non-Western Art.....3
COM 203 Argumentation and Debate 3
COM 211 Mass Communication Media.....3
THE 100 Theater Appreciation 3
THE 300 History of the Theater.....3

HUMANITIES – 3 Sem. Hrs.

Any Literature course 3
Any Philosophy course.....3
Any Religion course.....3

SOCIAL AND BEHAVIORAL SCIENCES – 6 Sem. Hrs.

1. Choose one course from the following:
HIST 103 History of Civilization I.....3
HIST 104 History if Civilization II 3
HIST 210 History of the U.S. to 1865 3
HIST 211 History of U.S. Since 1865 3
GEO 205 Introduction to Geography.....3
GEO 206 World Regional Geography 3
POLS 101 Basic Concepts / Politics & Government 3
POLS 201 National Government.....3

2. Choose one course from the following:
SOC 150 Basic Concepts of Sociology 3
SWK 201 Ethnicity, Diversity and Cultural Awareness 3
PSYC 101 Intro to Psychology 3

BUSINESS AND ECONOMICS – 3 Sem. Hrs.
FIN 131 Financial Literacy 3
ECON 101 Principles of Macroeconomics 3
ECON 102 Principles of Microeconomics 3
GBUS 140 Introduction to Business 3

WELLNESS AND PHYSICAL EDUCATION – 2 Sem. Hrs.
PE 101 General Program in PE I 1
PE 102 General Program in PE II 1
HE 253 Personal Health 2

College of Arts & Communication

Programs Offered by the

COLLEGE OF ARTS AND COMMUNICATION

DEPARTMENT OF JOURNALISM, COMMUNICATION STUDIES, AND VISUAL ARTS

Bachelor of Science:
Major: *Graphic Design*
Digital Media Design

Bachelor Science in Communications:
Major: Advertising Communication
Broadcasting
Documentary Film
Journalism
Public Relations
Sports Broadcasting

Bachelor of Science in Communication Studies:
Major: *Communications Studies*

Bachelor of Science in Creative Art Therapy

Bachelor of Arts:
Teacher Ed.: Art Education 5-Adult
Teacher Ed.: Art Education PreK-Adult
*Teacher Ed.: Art Education 5-9 Certification**

Minors: *Advertising Communication*
Art
Communication Studies
Graphic Design
Public Relations

DEPARTMENT OF MUSIC AND THEATER

Bachelor of Arts Degree:
Teacher Ed.: Music Education PreK-Adult

Bachelor of Music
Concentrations: *Performance,*
Music Technology

Bachelor of Science Degree in Communication:
Major: Theater

Minors: *Music*
Theater

** Must be added to a 5-Adult Teacher Education or Elementary Education degree. Not a stand-alone certification.*

COLLEGE OF ARTS AND COMMUNICATION

William Baronak, Ed.D., Dean

DEPARTMENT OF JOURNALISM, COMMUNICATION STUDIES, AND VISUAL ARTS

Brian Fencl, Chairperson

ART

The objectives of the art program are threefold: to assist in the preparation of elementary and secondary school art teachers; to lay the foundation for professional careers in the various fields of graphic design; and to offer a broad curriculum in the liberal arts. In addition, the department seeks to encourage freedom of expression and creativity, to instill the spirit of fine craftsmanship, to develop skills and competencies in the various art media and techniques, to help the student become conversant with the philosophy and psychology of both historical and contemporary art forms, and to provide elective art courses for those students interested in art either for enrichment or avocational purposes.

Students may choose from the following curricula leading to the bachelor's degree:

TEACHER EDUCATION: The student may choose: the comprehensive or single major curriculum for certification in grades K12 or a curriculum for certification in grades 5-12. The curriculum for certification in grades 5-12 requires a second teaching field from another area. (Prospective elementary teachers may choose the field of art as one of their subject specializations for teaching grades 5-9).

GRAPHIC DESIGN OR DIGITAL MEDIA DESIGN: The student may choose a program in Graphic Design or Digital Media Design leading to a Bachelor of Science Degree. A minor program in Graphic Design is also available.

LIBERAL ARTS: This curriculum is offered for students with previous experience in art who wish to continue the study of art, though not on a full-time professional level, and are not interested in art as a vocation or avocation. It also serves as a minor in the Liberal Arts Bachelor of Arts or Bachelor of Science degrees.

ART COMPREHENSIVE (PRE-K–ADULT)

I. GENERAL STUDIES 45-47

II. ART TEACHING FIELD 55

A. Freshman Year.....12
- ART 104 Drawing I 3
- ART 110 Design I.....3
- ART 204 Drawing II 3
- ART 160 Design II 3

B. Sophomore Year 18
- ART 150 Appreciation for the Art Major 3
- ART 210 Watercolor Painting I
  OR
- ART 215 Oil/Acrylic Painting I.....3
- ART 220 Ceramics I 3
- ART 230 Printmaking I.....3
- ART 250 Crafts I 3
- ART 260 Sculpture I.....3

C. Junior and Senior Years.....25
- ART 304 Drawing III 3
- ART 340 History of Western Art I.....3
- ART 341 History of Western Art II.....3
- ART 342 History of Western Art III 3
- ART 498 Senior Comprehensive Exhibition 1

1. Major Studio Emphasis.....12
The major studio emphasis is elected from either the two dimensional areas of drawing, painting, printmaking, photography, and computer graphics or the three dimensional areas of ceramics, sculpture, and crafts. They may not be combined. At least 6 hours of the major emphasis must be in one single studio medium. One course from the basic program may be included in the 12 hour total.

2. Minor Studio Emphasis.....6
The minor studio emphasis is elected from either the two dimensional areas of drawing, painting, printmaking, photography, and computer graphics or the three dimensional areas of ceramics, sculpture, and crafts. The 6 hours in the minor emphasis must be in one single studio medium and may not be in the same studio area as the major emphasis. One course from the basic program may be included in the 6 hour total.

III. PROFESSIONAL EDUCATION COMPONENT ..... 42 Sem. Hrs.
Includes ART 375 Curriculum Methods & Materials in Art (Grades K-4, 5-9)..... 3
And ART 376 Curriculum Methods & Materials in Art (Grades 5-Adult).....3

Refer to the Professional Education section in the catalog for details on the education portion of this degree.

ART (5-ADULT)

I. GENERAL STUDIES 45-47

II. ART TEACHING FIELD 43
A. Freshman Year 15
ART 104 Drawing I 3
ART 110 Design I.....3
ART 204 Drawing II 3
ART 160 Design II 3

B. Sophomore Year 18
ART 150 Appreciation for the Art Major 3
ART 210 Watercolor Painting I OR
ART 215 Oil/Acrylic Painting I.....3
ART 220 Ceramics I.....3
ART 230 Printmaking I 3
ART 260 Sculpture I 3

C. Junior and Senior Years.....16
ART 340 History of Western Art I.....3
ART 341 History of Western Art II.....3
ART 342 History of Western Art III.....3
ART 498 Senior Comprehensive Exhibition 1

Studio Emphasis 6
The Studio emphasis is elected from 6 hours of courses in one of the following single studio media: drawing, painting, printmaking, photography, computer graphics, ceramics, crafts, and sculpture. Required courses listed above may not be used in the studio emphasis.

III. PROFESSIONAL EDUCATION COMPONENT 42 Sem. Hrs.
Includes Art 376 Curriculum Methods & Materials in Art (Grades 5-12) 3

Refer to the Professional Education section in the catalog for details on the education portion of this degree.

ART SUBJECT SPECIALIZATION (Grades 5-9)

This is an optional specialization available to education majors.

I. ART TEACHING FIELD 27
ART 104 Drawing I 3
ART 110 Design I 3
ART 150 Appreciation for the Art Major 3
ART 160 Design II 3
ART 210 Watercolor Painting 3
OR
ART 215 Oil/Acrylic Painting I 3
ART 340 History of Western Art I 3
ART 341 History of Western Art II 3
OR
ART 342 History of Western Art III.....3

II. STUDIO EMPHASIS 6
The studio emphasis is elected from 6 hours in one of the following single Studio Media: drawing, painting, printmaking, photography, computer graphics, crafts, ceramics, or sculpture. Required courses listed above may not be used in the studio emphasis.

III. PROFESSIONAL EDUCATION COMPONENT
Includes ART 375 Curriculum Methods & Materials in Art (K-4, 5-12) and EDUC 293 Instructional Design.

Refer to the Professional Education section in the catalog for details on the education portion of this degree.

ART (Minor)

ART 24
A. Freshman Year..... 9
ART 104 Drawing I 3
ART 110 Design I 3
ART 160 Design II 3

B. Sophomore Year 6
ART 210 Watercolor Painting I 3
OR
ART 215 Oil/Acrylic Painting I 3
ART 260 Sculpture I 3

C. Junior and Senior Years 3
ART 341 History of Western Art II 3

D. Electives IN ART from the following:..... 6
ART 220 Ceramics 3
ART 230 Printmaking I 3
ART 250 Crafts I 3
ART 285 Photography I 3
ART 360 Sculpture II 3
ART 479 Special Problems..... 1-3

With the approval of the Chairperson of the Art Department, other electives may be substituted for the above.

BACHELOR OF SCIENCE
GRAPHIC DESIGN

Graphic design is an interdisciplinary, problem-solving activity that combines visual sensitivity with skill and knowledge in areas of communications, technology, and business. The graphic design profession specializes in the structuring of visual information to aid communications and orientation. In addition, the department seeks to encourage freedom of expression and creativity, to instill the spirit of fine craftsmanship, to develop skills and competencies in the various art media and techniques, to help the student become conversant with the philosophy and psychology of both historical and contemporary art forms.

A portfolio review is required for all graphic design students prior to acceptance into ART 483 Graphic Design III. The portfolio review conducted by the art faculty will take place in the Spring semester of each academic year. The review will assess core curriculum G.P.A. (minimum grade of "C" in each core course), specific design projects, and a writing sample. Students who do not pass the portfolio review will not be allowed to enter Graphic Design III in the fall, but will be given a suggested 12 month plan for remediation and will be allowed to present an updated portfolio for review during the following spring semester.

I. GENERAL STUDIES 48

II. GRAPHIC DESIGN CORE.....64

A. Freshman Year (first semester) 18
- ART 104 Drawing I 3
- ART 110 Design I.....3
- ART 190 Intro to Computer Graphics 3

Freshman Year (second semester)
- ART 160 Design II.....3
- ART 204 Drawing II.....3
- ART 244 Graphic Design History 3

B. Sophomore Year (first semester) 21
- ART 388 Digital Imaging.....3
- ART 283 Graphic Design I 3
- ART 285 Photography I 3

Sophomore Year (second semester)
- ART 150 Appreciation for the Art Major.....3
- ART 286 Intro to Typography.....3
- ART 383 Graphic Design II 3
- ART 205 Digital Illustration.....3

C. Junior and Senior Years.....25
- ART 295 Introduction to Web Design.....3
- ART 342 History of Western Art III 3
- ART 380 Illustration.....3
- ART 389 Editorial Layout 3
- ART 483 Graphic Design III 3
- ART 484 3-D Graphic Design.....3
- ART 486 Senior Project.....3
- ART 495 Motion Graphics.....3
- ART 498 Senior Comprehensive Exhibition 1
- Exhibition.....1

III. ELECTIVES to total 120 credit hours

Recommended courses:
- ART 210 Watercolor Painting I.....3
- ART 310 Watercolor Painting II.....3
- ART 220 Ceramics I.....3
- ART 320 Ceramics II.....3
- ART 215 Oil/Acrylic Painting I 3
- ART 315 Oil/Acrylic Painting II 3
- ART 230 Printmaking I 3
- ART 304 Drawing III.....3
- ART 330 Printmaking II 3
- ART 240 Silk Screen Production.....3
- ART 260 Sculpture I.....3
- ART 360 Sculpture II.....3
- ART 385 Photography II.....3
- ART 387 Pre-Press Production 3
- ART 479 Independent Study.....maximum 6
- ART 278, 478 Special Topics .....maximum 6
- ART 491, 492 Seminars.....maximum 6
- MKT 336 Advertising.....3
- PSYC 414 Consumer Psychology 3
- COM 224 TV Production.....3
- COM 227 Critical Visual Literacy 3
- COM 310 Advertising Communication.....3
- COM 434 Desktop Publishing.....3

GRAPHIC DESIGN
MINOR

I. REQUIRED..... 27
- ART 104 Drawing I..... 3
- ART 110 Design I 3
- ART 190 Intro to Computer Graphics..... 3
- ART 205 Digital Illustration..... 3
- ART 283 Graphic Design I 3
- ART 285 Photography I..... 3
- ART 286 Intro to Typography 3
- ART 295 Intro to Web Design 3
- ART 383 Graphic Design II 3

BACHELOR OF SCIENCE
DIGITAL MEDIA DESIGN

Digital Media Design is an interdisciplinary concentration combining aspects of art and digital media. Students develop a broad range of transferable communication skills in visualization, communication, presentation, writing and technology. These skills provide an excellent foundation for careers in publishing, graphic design, web design, multimedia, arts administration, copy writing, and specialist careers in the art, design, and digital media industries. Students study with a variety of instructors with expertise in graphic design, photography, publishing, video, audio, animation, marketing, and business information systems. Classes will be held in the Media Arts Center. Students will experience lectures, workshops, tutorials, and project work. Opportunities for independent learning and internships will be abundant.

A sophomore portfolio review will be required of all candidates in ART 150. The portfolio review will assess writing skills and specific projects to determine the future academic path of the candidate.

I. GENERAL STUDIES 48

II. REQUIRED DIGITAL MEDIA DESIGN COURSES ...59

DMD 101 Intro to Digital Media Design 3
COM 223 Radio Production 4
COM 225 Television Field Production 4
COM 322 Writing for Radio & Television 3
COM 422 Non-linear Editing 3
MUS 287 Recording Techniques I 3
MUS 387 Electronic Music I - MIDI and Digital Audio....3
BIS 372 Data Base Management Systems.....3
MKT 331 Principles of Marketing 3
MKT 425 Social Media Marketing 3
ART 104 Drawing I 3
ART 110 Design I.....3
ART 150 Appreciation for the Art Major.....3
ART 285 Photography I.....3
ART 286 Intro to Typography 3
ART 290 Intro to Computer Graphics 3
ART 295 Intro to Web Design 3
ART 388 Digital Imaging.....3
ART 495 Motion Graphics.....3
DMD 490 Senior Project 4

III. ELECTIVES from the following to total .....120 Hrs.

COM 211 Mass Communications Media.....3
COM 224 Television Production I.....4
COM 231 News Writing and Reporting I.....3
COM 311 Mass Media and Society.....3
COM 312 Media Sales.....3
COM 401 Communication Theory 3
COM 411 Mass Communication Law.....3
COM 412 Media Ethics.....3
COM 413 Public Relations.....3
COM 420 3D Animation and Graphics.....3
COM 434 Desktop Publishing.....3
ART 283 Graphic Design I 3
ART 385 Photography II.....3
BIS 463 Decision Support Systems.....3
MUS 388 Electronic Music II – Multimedia 2
PSYC 414 Consumer Psychology 3
DMD 475 Digital Media Design Internship..... 3-6
DMD 478 Special Topics..... 1-3
DMD 479 Special Problems..... 1-3

COMMUNICATIONS

Students may earn one of two degrees: the Bachelor of Science in Communications with a major in Advertising Communications, Broadcasting, Journalism, Public Relations, Documentary Film, Sports Broadcasting, or Theater; or the Bachelor of Science in Communication Studies with a major in Communication Studies. Both degrees require a minor outside of the communications-related field. Also available to non-Communication majors is an Advertising Communication minor, Public Relations minor, and Communications minor.

Facilities include a publication area, which also serves as headquarters for *The Trumpet*; the Media Arts Center, mobile production truck, and Kelly Theatre, located in the Hall of Fine Arts; and radio station WGLZ, located in the College Union.

Information about the Theater major or minor may be found under the Department of Music and Theater.

BACHELOR OF SCIENCE IN COMMUNICATIONS
ADVERTISING COMMUNICATION MAJOR

The Advertising Communication major builds on foundational principles of advertising by introducing best practices in advertising and strategic advertising campaigns. The advertising curriculum is designed to prepare students for entry-level positions in account management, media planning, and media sales and research and to provide critical thinking skills needed for advancement to positions of leadership.

Advertising is a proactive, strategic function of marketing that plans programs to generate consumer interest in a product or service. Advertising sales agents representing traditional and digital media companies sell advertising space to businesses, individuals, and organizations. They contact potential clients, make sales presentations, and maintain client accounts. Advertising managers, representing advertising agencies, work with clients to research base and potential consumers and are comprised of team members, art directors, and financial staff members among others.

GENERAL STUDIES 48

COMMUNICATIONS CORE..... 13
COM 201 Survey of Communications 3
COM 401 Communication Theory 3
COM 410 Communication Law and Ethics 4

Choose one from the following:
COM 311 Mass Media and Society 3
COM 323 Introduction to Cinema 3
COM 324 Documentary Film 3

ADCOM FOUNDATIONAL CORE COURSES 9
COM 227 Visual Literacy 3
COM 312 Media Sales 3
COM 310 Advertising Communications 3

ADCOM UPPER LEVEL CORE..... 18
COM 314 Persuasion 3
COM 322 Writing for Radio/TV 3
COM 426 Social Media for Ad/PR 3
COM 434 Desktop Publishing 3
COM 414 Advertising Creatives 3
COM 417 Advertising Campaigns 3

MINOR AND NON-COMMUNICATIONS CLASSES TO TOTAL ..... 120 hrs.

Advertising Program Requirements:

1. Advertising Communication majors must complete at . least 18 hours. The minor cannot be in a Communications-related field.
2. All students must meet COM requirements of an overall G.P.A. of 2.5 and maintain a G.P.A. of at least 2.5 to take upper level courses.
3. A minimum of 40 upper level courses must successfully be completed.

ADVERTISING COMMUNICATION (MINOR)

Required Courses..... 18
COMMUNICATIONS CORE..... 9
COM 310 Advertising Communication 3
COM 312 Media Sales 3
COM 417 Advertising Campaigns 3

Choose three courses from the following..... 9
COM 201 Survey of Communication 3
COM 203 Argumentation and Debate 3
COM 227 Visual Literacy 3
COM 301 Interpersonal Communication 3
COM 302 Group Communication 3
COM 311 Mass Media and Society 3
COM 314 Persuasion 3
COM 322 Writing for Radio and TV 3
COM 332 Feature Writing 3
COM 333 Editorial Writing 3
COM 359 Writing for the Web 3
COM 401 Communication Theory 3
COM 402 Commuication Research 3
COM 434 Desktop Publishing 3
COM 426 Social Media Ad/PR 3
COM 416 PR Cases/Campaigns 3
COM 414 Advertising Creatives 3

BACHELOR OF SCIENCE IN COMMUNICATIONS BROADCASTING MAJOR

The student graduating with a degree in broadcasting will be able to produce a journalistic video story using professional video cameras, AVID editing systems, will be able to operate studio production equipment associated with live news broadcasts and will be able to write, produce and direct live studio productions and news magazine feature stories.

Broadcasting students receive hands-on instruction in our state-of-the-art studios at WLTV-14 (West Liberty Television), and campus radio station WGLZ.

GENERAL STUDIES 48

COMMUNICATIONS CORE..... 13
COM 201 Survey of Communications 3
COM 401 Communication Theory 3
COM 410 Communication Law and Ethics 4

Choose one from the following:
COM 311 Mass Media and Society 3
COM 323 Introduction to Cinema 3
COM 324 Documentary Film 3

BROADCASTING FOUNDATIONS 20
DMD 204 Radio Production 4
COM 224 Television Production I 4
COM 225 TV Field Production 3
COM 226 Remote Production 3
COM 232 Broadcast News Writing 3
DMD 362 Audio Production 3

BROADCASTING UPPER LEVEL 8
COM 321 TV Production II 3
COM 325 or Com 425 Television News Directing and Producing 3
COM 329 On-campus Internship 2

Choose two Broadcasting electives from the following:..... 6
COM 362 Audio Production for Broadcasting 3
COM 422 Non-linear Editing 3
COM 420 3-D Graphics and Animation 3
COM 418 Broadcast Performance 3
COM 232 Broadcast News Writing 3
COM 429 Professional Internship 3-6
COM 478 Special Topics 3
COM 479 Special Problems 3

MINOR and NON-COMMUNICATIONS CLASSES TO TOTAL 120

Broadcasting Program Requirements

1. Broadcasting majors must complete a minor of at least 18 hours. The minor cannot be in a Communications related field.
2. All students must meet COM requirements of an overall G.P.A. of 2.5 and maintain a G.P.A. of at least 2.5 to take upper level courses.

Journalism Program Requirements

1..... Journalism majors must complete a minor of at least 18 hours. The minor cannot be in a Communications related field.

2.....All students must meet COM requirements of an overall G.P.A. of 2.5 and maintain a G.P.A. of at least 2.5 to take upper level courses.

BACHELOR OF SCIENCE IN COMMUNICATIONS JOURNALISM MAJOR

The program provides our students with the theory and practice for a rewarding career in journalism.

Reporting techniques, interviewing skills, basic and specialized writing, editing and design, visual presentation, and exposure to legal and ethical issues are studied. Our students also write, design and produce *The Trumpet* student newspaper in our state-of-the-art journalism computer lab.

GENERAL STUDIES 48

COMMUNICATIONS CORE.....13
COM 201 Survey of Communications 3
COM 401 Communication Theory 3
COM 410 Communication Law and Ethics 4

Choose one from the following:
COM 311 Mass Media and Society 3
COM 323 Introduction to Cinema.....3
COM 324 Documentary Film.....3

JOURNALISM CORE 12
COM 231 News Writing & Reporting.....3
COM 232 Broadcast News Writing.....3
COM 413 Public Relations 3

Choose one of the following:
COM 439 Professional Internship.....3
COM 481 Journalism Capstone 3

Journalism Restricted Electives: Choose five of these eight courses: 15
COM 322 Writing for Radio & TV 3
COM 332 Feature Writing.....3
COM 333 Editorial Writing.....3
COM 334 Editing for Media 3
COM 337 Sports Reporting 3
COM 338 Investigative Journalism.....3
COM 359 Writing for the Web/Social Media.....3
COM 434 Desktop Publishing 3

MINOR and NON-COMMUNICATIONS CLASSES TO TOTAL 120

BACHELOR OF SCIENCE IN COMMUNICATIONS PUBLIC RELATIONS MAJOR

Public relations is a proactive, strategic function of management that strives to harmonize the interests of an organization with its various stakeholders. PR practitioners help build and maintain those relationships that are essential to the organization's success by applying strategic, critical thinking and writing skills.

GENERAL STUDIES 48

COMMUNICATIONS CORE.....13
COM 201 Survey of Communications 3
COM 401 Communication Theory 3
COM 410 Communications Law and Ethics 4

Choose one from the following:
COM 311 Mass Media and Society 3
COM 323 Introduction to Cinema.....3
COM 324 Documentary Film.....3

PUBLIC RELATIONS FOUNDATIONS 12
COM 227 Visual Critical Literacy.....3
COM 231 News Writing 3
COM 413 Intro to Public Relations 3
Additional 3 hours in ANY COM designated courses 3

PUBLIC RELATIONS UPPER LEVEL.....15
COM 402 Communication Research.....3
COM 415 PR Writing 3
COM 434 Desktop Publishing 3
COM 426 Multimedia and Social Networking.....3
COM 416 PR Cases & Campaigns (CAPSTONE) 3

MINOR and NON-COMMUNICATIONS CLASSES TO TOTAL 120

Public Relations Requirements

1. Public Relations majors must complete a minor of at least 18 hours. The minor cannot be in a Communications related field.
2. All students must meet COM requirements of an overall G.P.A. of 2.5 and maintain a G.P.A. of at least 2.5 to take upper level courses.

PUBLIC RELATIONS MINOR

The PR minor builds on foundational principles of PR by introducing best practices in PR writing and strategic management while allowing the student to have an emphasis in a number of disciplines; graphic design, journalism, communications, PR research and theory; social media and audio and video production.

REQUIRED COURSES..... 18

CORE 9
COM 231 News Writing 3
COM 413 PR 3
COM 415 PR Writing 3

Choose three courses from the following 9
COM 201 Survey of Comm 3
COM 203 Argumentation and Debate 3
COM 227 Visual Literacy 3
COM 301 Interpersonal Communication 3
COM 302 Group Comm. 3
COM 323 Broadcast News Writing 3
COM 332 Feature Writing..... 3
COM 333 Editorial Writing 3
COM 359 Writing for the Web 3
COM 401 Comm Theory 3
COM 402 Comm Research 3
COM 434 Desktop Publishing 3
COM 426 Social Media Ad/PR 3
COM 416 PR Cases/Campaigns 3

BACHELOR OF SCIENCE IN COMMUNICATIONS DOCUMENTARY FILM MAJOR

Documentary Film is a practical experience and immersion program that involves hands-on participation in the making of a documentary film or TV project — taking a concept from start-to-finish, with insight into the creative, technical, and business aspects of the process.

GENERAL STUDIES 48

COMMUNICATIONS CORE..... 13
COM 201 Survey of Communications 3
COM 401 Communication Theory 3
COM 410 Communication Law and Ethics..... 4

Choose one from the following:
COM 311 Mass Media and Society 3
COM 323 Introduction to Cinema 3
COM 324 Documentary Film 3

DOCUMENTARY FILM FOUNDATIONS 12
COM 225 Field Production 3
COM 226 Remote Production 3
DMD 203 Adobe Video Editing 3
COM 228 Story Finding 3

DOCUMENTARY FILM UPPER LEVEL 18
COM 307 Story Structure/ Storytelling 3
COM 308 Sizzle Reel 3
COM 309 Business of Documentary Film 3
COM 403 Pre-and-Post Production 3
COM 404 Debut and Broadcast 3

Select one:
COM 405 Internship in Documentary Film 3
COM 406 Documentary Film Senior Project 3

Documentary Film Requirements
1. Documentary Film majors must complete a minor of at least 18 hours. The minor cannot be in a Communications related field.
2. All students must meet COM requirements of an overall G.P.A. of 2.5 and maintain a G.P.A. of at least 2.5 to take upper level courses.

BACHELOR OF SCIENCE IN COMMUNICATIONS SPORTS BROADCASTING MAJOR

Sports Broadcasting courses teach students the art of video and audio production, editing, writing, lighting, directing and sports producing. The program focuses on the principles of professionalism and teamwork as students cover Hilltopper sporting events at home and away

GENERAL STUDIES 48

COMMUNICATIONS CORE..... 13
COM 201 Survey of Communications 3
COM 401 Communication Theory 3
COM 410 Communication Law and Ethics..... 4

Choose one from the following:
COM 311 Mass Media and Society 3
COM 323 Introduction to Cinema 3
COM 324 Documentary Film 3

SPORTS BROADCASTING FOUNDATIONS 14
DMD 204 Radio Production..... 4
COM 224 Television Production I 4
COM 225 Television Field Production 3
COM 226 Remote Broadcast Production 3

SPORTS BROADCASTING UPPER LEVEL 15
COM 364 Remote Pre-Production..... 3
COM 423 Prof. Internship in Sports Broadcasting..... 3
COM 424 Adv. Remote Pre-Prod. for Sports (Capstone) 3

Choose two from the following three: 6
COM 337 Sports Reporting 3
COM 361 Sports Announcing 3
COM 362 Audio Production 3

MINOR and NON-COMMUNICATIONS CLASSES TO TOTAL 120

Sports Broadcasting Requirements

1. Sports Broadcasting majors must complete a minor of at least 18 hours. The minor cannot be in a Communications related field.
2. All students must meet COM requirements of an overall G.P.A. of 2.5 and maintain a G.P.A. of at least 2.5 to take upper level courses.

BACHELOR OF SCIENCE IN COMMUNICATIONS STUDIES
COMMUNICATION STUDIES MAJOR

The Communication Studies major prepares students for careers in communication consulting, health communication, sales, human resources, public relations, event planning, and many others.

In addition, this major prepares students for the systematic study of communication in graduate degree programs.

GENERAL STUDIES 48

COMMUNICATIONS CORE..... 13
COM 201 Survey of Communications 3
COM 401 Communication Theory 3
COM 410 Communication Law and Ethics..... 4

Choose one from the following:
COM 311 Mass Media and Society 3
COM 323 Introduction to Cinema..... 3
COM 324 Documentary Film 3

COMMUNICATION STUDIES FOUNDATIONS..... 18
COM 203 Argumentation and Debate 3
COM 301 Interpersonal Communication 3
COM 302 Group Communication 3
COM 313 Organizational Communication..... 3
COM 314 Persuasion 3
Additional 3 hours in ANY COM designated courses 3

COMMUNICATION STUDIES UPPER LEVEL..... 9
COM 402 Communication Research..... 3
COM 450 Advanced Public Speaking 3
COM 480 Capstone..... 3

MINOR and NON-COMMUNICATIONS CLASSES TO TOTAL 120

Communication Studies Requirements

1. Communication Studies majors must complete a minor of at least 18 hours. The minor cannot be in a Communications related field.
2. All students must meet COM requirements of an overall G.P.A. of 2.5 and maintain a G.P.A. of at least 2.5 to take upper level courses.

COMMUNICATIONS MINOR

Fundamental to any field of study is the ability to communicate effectively. By offering a Minor in Communications, we will make available to all West Liberty University students the opportunity to examine effective communication strategies in a variety of contexts along a variety of channels.

REQUIRED COURSES
COM 301 Interpersonal 3
COM 302 Group..... 3
COM 313 Organizational..... 3

Choose three courses from the following 9
COM 203 Argumentation and Debate 3
COM 227 Visual Literacy 3
COM 231 News Writing..... 3
COM 323 Broadcast News Writing 3
COM 332 Feature Writing 3
COM 333 Editorial Writing..... 3
COM 359 Writing for the Web 3
COM 401 Comm Theory 3
COM 402 Comm Research..... 3
COM 413 Public Relations 3
COM 415 PR Writing..... 3
COM 434 Desktop Publishing 3
Com 426 Social Media Ad/PR..... 3
COM 416 PR Cases/Campaigns 3
COM 337 Sports Reporting..... 3
DMD 203 Adobe Video Editing..... 3

TOTAL..... 18
(may not include COM 101)

BACHELOR OF SCIENCE IN CREATIVE ART THERAPY

The American Art Therapy Association defines Art Therapy as, “the therapeutic use of art making, within a professional relationship, by people who experience illness, trauma or challenges in living, and by people who seek personal development.” The student who completes the baccalaureate program is prepared for admission into a graduate level creative arts therapy program and is able to apply the concepts and principles of art therapeutic practice working with individuals, families, groups, in mental health, and medical facilities but not limited to these populations.

GENERAL STUDIES..... 48
REQUIRED CAT COURSES 27
CAT 200 Introduction to Art Therapy..... 3
CAT 300 Developmental and Comparative Stages in Art .3
CAT 301 Art Therapy Studio..... 3
CAT 302 Art Therapy Studio II..... 3
CAT 310 Art Therapy Ethics..... 3
CAT 340 Art Therapy Literature and Symbolism..... 3
CAT 403 Art Therapy Internship and Observation..... 3

CAT 440 Art Therapy Assessments and Techniques 3
CAT 486 Senior Project, Research, Thesis, Clinical Internship Colloquium 3

REQUIRED ART STUDIO COURSES.....36
ART 104 Drawing I.....3
ART 110 Design I 3
ART 150 Art Appreciation for the Art Major 3
ART 160 Design II 3
ART 204 Drawing II 3
ART 230 Printmaking I.....3

Choose one course from the following:
ART 210 Watercolor Painting I 3
ART 215 Oil/Acrylic Painting I.....3

Choose one course from the following:
ART 220 Ceramics I..... 3
ART 250 Crafts I..... 3

Choose one course from the following:
ART 341 Art History II 3
ART 342 Art History III 3
ART 343 Survey of Non-Western Art 3
ADDITIONAL 9 HOURS IN ART STUDIO ELECTIVES (MUST BE IN A 300 OR 400 LEVEL COURSE)

REQUIRED PSYCHOLOGY COURSES 9
PSYC 322 Personality Psychology 3
PSYC 441 Abnormal Psychology.....3
PSYC 320 Psychology of Adulthood and Old Age 3
PSYC 101 must be taken to fulfill the General Studies Requirement.

Creative Art Therapy Program Requirements:
Students in the CAT degree program will adhere to all of the following standards:

1. Minimum Grade Requirements
All students must meet the CAT requirements of an overall GPA of 2.0 and maintain a GPA of at least 2.5 within the CAT major. All students are required to pass CAT 486 Senior Project with a minimum grade of "C". A minimum of 40 upper-level credit hours must successfully be completed in order to fulfill graduation requirements.

2. Sophomore Portfolio Review
CAT students will take Art Appreciation for the Art Major (ART 150) the spring semester of their sophomore year. The review is for the purpose of assessment and to identify problems with the students' work or skills that may prevent them from completing the program.

3. Senior Project
The Capstone is a combined utilization of Research, Thesis, and Clinical Internship, to provide a comprehensive application component in the Creative Arts Therapy program. The goal of the Capstone is to integrate three cornerstones in combined didactic knowledge, research/thesis and clinical internship/observation.

DEPARTMENT OF MUSIC AND THEATER

Dr. Christopher Barrick, Chairperson

West Liberty is an accredited institutional member of the National Association of Schools of Music. Two bachelor's degrees are offered: Bachelor of Arts - Music Education, and Bachelor of Music - Music Performance or Music Technology. For Music Education, the comprehensive music teaching field curriculum prepares students for positions in the public schools. The Bachelor of Music degrees are professional degrees that afford our students the opportunity of intensive study in either Music Performance (Instrumental, Vocal, or Piano emphasis) or Music Technology (Digital Recording or Electronic Music Emphasis). The music minor curriculum is available to students with previous musical experience who wish to continue music study, though not on a full-time professional basis. The Interdisciplinary Studies Program offers additional options by allowing a student to design his/her own degree by combining music with study in other fields.

MUSIC PROGRAM WEBSITE and MUSIC STUDENT HANDBOOK

The Music Program maintains its own website: http://westliberty.edu/music, that provides further information about faculty, staff, students, ensembles, news, and special events. Please refer to the website to download the most current *Music Student Handbook*. The *Music Student Handbook* contains a complete listing of music program policies, and should be referred to for complete illumination of the policy summaries set forth in this document.

ADMISSION

In addition to meeting the regular university entrance requirements, an audition is required to be accepted as a music major or minor. During this audition students must demonstrate proficiency in instrumental or vocal performance and should have had considerable experience in school or community musical organizations. The prospective student should play or sing a solo of his or her own selection, and should demonstrate both ability at sight-reading and basic knowledge of music fundamentals. Transfer students are required to take proficiency examinations in theory and in applied music and will be assigned to the appropriate level in these areas. A prospective student should arrange for this audition by contacting the Chair of the Department of Music and Theater (music@westliberty.edu) at the same time he/she applies to the Office of Admissions. More information about auditioning can be found on the Music Program website: http://westliberty.edu/music.

MISSION STATEMENT

The Music Program realizes its important place in the training of our student musicians by emphasizing education-

al experiences that develop life-long learners of music. With this in mind, the division holds most important its mission of:

Professional Preparation, Service to the University, and Service to the Community.

The goals and objectives of the division, in pursuit of fulfilling its mission, are:

1. To provide our music majors with continuous opportunities to acquire the knowledge, insights, and skills that will produce successful performers, teachers, and other professionals within the field of music. We do this by providing classroom instruction, private applied instruction, performance ensembles, and practical field experiences that will enhance life-long growth potential in music.

2. To extend our commitment to enrich the lives of other West Liberty students by presenting music teaching methodologies courses (for elementary education majors), general studies music courses, live performances by faculty, students, and guest artists, and opportunities to participate in a variety of ensembles, to all students of the university.

3. To emphasize service to the community through the active participation of our talented and dedicated faculty, staff, and students by providing concerts, festivals, and advisory services, which enhance the quality of musical life throughout our communities.

APPLIED MUSIC (PRIVATE INSTRUCTION)

Private instruction in piano, organ, voice, brass, percussion, woodwind, and guitar is available to students of the university. Faculty teaching loads may necessitate preference being given to students who are meeting requirements listed in their respective curriculum. Applied lessons are listed in the course schedule as meeting on Tuesdays at noon, however, applied lessons are to be scheduled individually with the applied private instructor at the beginning of each semester.

Students registering for one semester hour of credit in applied music will receive weekly 30-minute lessons, while students registering for two or more hours will receive 50-minute lessons each week.

Levels 081 and 082 are remedial in nature and do not carry credit toward graduation requirements at this pre-university level of instruction. Level 081 carries one hour of institutional credit while level 082 can be taken for one or two hours of credit. Courses designated by numbers 181-482 represent study by the music student in his/her major area of applied music, and, as such, indicate a higher level of accomplishment.

For students in Music Education, levels 181-482 are normally taken for two hours of credit each. To graduate, Music Education majors must earn twelve (12) total hours of credit and complete the 382 proficiency level in at least one area of applied music.

Music Performance degree-seekers (Bachelor of Music) are required to complete 23 hours of credit in applied lessons. They should enroll for three (3) hours of credit for applied lessons each semester with the exception of the Senior Recital semester, in which only two (2) credits are required to complete the minimum 23. The Senior Recital accounts for the one (1) additional credit for that semester only.

Music Minors and non-music majors must enroll for one hour only and are required to repeat the level until the two-hour requirement represented by the level is fulfilled. Students in the Interdisciplinary Studies Degree Program may, with permission of the instructor, enroll for up to four hours credit in the 181 through 482 levels.

CONCERT ATTENDANCE REQUIREMENT

Each music major must attend a minimum of 35 recital and concert performances as part of graduation requirements. Failure to complete the requirement will delay graduation until the requirement is fulfilled. See the Music Student Handbook for the complete policy at http://westliberty.edu/music.

STUDENT FORUM

Student Forum is a one-hour weekly meeting of faculty and students of the Music Program. The Music Program will use this time for special presentations, masterclasses, clinics, and similar events. These events will be presented by current full-time or adjunct faculty members and/or invited guests of the Program. Student Forums will also be used for recitals (see requirement above under “Applied Music, Private Instruction”. All music students are required to attend a minimum of 10 Student Forums per semester. See the Music Student Handbook for more information at http://westliberty.edu/music.

UPPER DIVISION QUALIFICATION

Each music degree-seeker will submit to a comprehensive formal review called Upper Division Qualification (UDQ). UDQ is used to evaluate whether a given student may continue as a music major after successful completion of certain courses and requirements. UDQ typically occurs toward the end of the second year. All full-time faculty members participate in the review process, which is scheduled in 20-minute slots during final exam week. Music majors are not allowed to enroll in 300 or 400 level music classes (except ensembles) until UDQ has been passed. More information can be found in the Music Student Handbook, available on the music website: http://westliberty.edu/music.

MUSIC EDUCATION CERTIFICATION

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Teacher Education Program in the College of Education. These procedures are clearly defined on the College of Education website under Admission to Teacher Education. The College of Education requirements for the professional semester (Clinical Practice or Student Teaching) are also clearly articulated on the College of Education webpage.

SENIOR RECITAL REQUIREMENTS

Except students pursuing the Music Technology concentration (see below), all music majors are required to perform a senior recital as a capstone experience. For Music Education majors, this recital will feature at least 25 minutes of solo music. For students pursuing Music Performance

concentration, the recital will feature at least 50 minutes of solo music. The senior recital should represent the content standards met by achieving upper-level study on your instrument. Further requirements and details are found in the Music Student Handbook, available online or from the Music and Theater office.

MUSIC TECHNOLOGY SENIOR PROJECT

All students pursuing Music Technology concentration are required to enroll in MUS 490 – Music Technology Senior Project during the final semester of study. The Senior Project is a capstone experience and can take the form of several different types of project depending on the student's interests and strengths and the guidance of the faculty. More information can be found in the Music Student Handbook (available online from http://westliberty.edu/music. or from the Music and Theater office).

MUSIC EDUCATION (COMPREHENSIVE) PRE-K–ADULT

I. GENERAL STUDIES **45-47**

II. MUSIC SPECIALIZATION (select either a choral or instrumental emphasis)

CHORAL EMPHASIS 69-70

A. Music Theory.....18
- MUS 102 Musicianship.....4
- MUS 113 Theory I.....2
- MUS 114 Theory II.....3
- MUS 213 Theory III 2
- MUS 214 Theory IV 3
- MUS 103 Ear Training I 2
- MUS 104 Ear Training II 1
- MUS 203 Ear Training III 2
- MUS 204 Ear Training IV.....1

B. Music History and Literature 9
- MUS 330 History of Music I 3
- MUS 331 History of Music II 3

C. Conducting and Techniques.....7
- MUS 340 Basic Elements of Conducting.....2
- MUS 344 Choral & Instrumental Conducting and Arranging 2
- MUS 440 Choral Techniques & Literature 3

D. Fundamentals Courses 12
- MUS 153 Fund. of Voice for Choral Emphasis 2
- MUS 252 Fundamentals of Brass Instruments.....2
- MUS 253 Fundamentals of Percussion Instruments ...2
- MUS 254 Fundamentals of String Instruments.....2
- MUS 255 Fundamentals of Woodwind Instruments 2
- MUS 375 Functional Keyboard.....2

E. Applied Music.....16

Voice Major
- Voice.....12
- Piano or Organ (completing the 272 level).....4

Piano Major
- Piano 12
- Voice.....2
- MUS 373 Accompanying Laboratory.....2

Organ Major
- Organ.....12
- Voice.....2
- MUS 389 Church Service Playing 2

Guitar Major
- Guitar.....12
- Voice.....2
- Piano or Organ (private lessons).....2

F. Musical Organizations (Minimum 7)

A minimum of 4 semester hours is required in choral organizations. Satisfactory completion of: 1) MUS 265 each semester of fulltime enrollment except for the semester of student teaching; 2) a minimum of two semesters in MUS 261 level ensembles; and 3) a minimum of two semesters of participation in instrumental organizations.

Piano and Organ Majors
- One semester of MUS 374 Accompanying Practicum... 1

INSTRUMENTAL EMPHASIS.....70-72

A. Music Theory.....18
- MUS 102 Musicianship.....4
- MUS 113 Theory I.....2
- MUS 114 Theory II.....3
- MUS 213 Theory III 2
- MUS 214 Theory IV 3
- MUS 103 Ear Training I 2
- MUS 104 Ear Training II 1
- MUS 203 Ear Training III 2
- MUS 204 Ear Training IV.....1

B. Music History and Literature 9
- MUS 330 History of Music I 3
- MUS 331 History of Music II 3

C. Conducting and Techniques.....7
- MUS 340 Basic Elements of Conducting.....2
- MUS 344 Choral & Instrumental Conducting and Arranging 2
- MUS 441 Instrumental Techniques & Literature 3

D. Fundamentals Courses 12
- MUS 152 Fundamentals of Voice for Instrumental Emphasis.....2
- MUS 252 Fundamentals of Brass Instruments.....2
- MUS 253 Fundamentals of Percussion Instruments ...2
- MUS 254 Fundamentals of String Instruments.....2
- MUS 255 Fundamentals of Woodwind Instruments 2
- MUS 375 Functional Keyboard.....2

E. Applied Music.....14-16

Brass, Woodwind, and Percussion Majors
Major area. 12
Piano 171, 172 or higher 2
Guitar Majors
Major area 12
Piano 171, 172 or higher 2
Standard band instrument *.....2
Piano Major
Piano 12
MUS 373 Accompanying Laboratory 2
Standard band instrument *.....2
Organ Major
Organ.....12
MUS 389 Church Service Playing 2
Standard band instrument *.....2
** completing the 172 proficiency level.*

F. Musical Organizations.....10

Brass, Woodwind and Percussion Majors
A minimum of 4 semester hours is required in instrumental organizations. Satisfactory completion of: 1) MUS 364 each semester of fulltime enrollment except for the semester of student teaching; 2) Marching Band (MUS 264) a minimum of the first two Fall semesters in attendance; 3) a minimum of two semesters in MUS 263 level ensembles; and 4) a minimum of two semesters of participation in choral organizations.

Guitar Majors
A minimum of 4 semesters participation in MUS 364. Two semesters participation in guitar ensemble or an appropriate string ensemble. A minimum of two semesters participation in choral organizations.

Piano Majors
A minimum of 4 semesters participation in MUS 364. Two semesters of MUS 374 Accompanying Practicum. A minimum of two semesters participation in choral organizations.

Organ Majors
A minimum of 4 semesters participation in MUS 364. Two semesters of MUS 374 Accompanying Practicum. A minimum of two semesters participation in choral organizations.

III. PROFESSIONAL EDUCATION 40
EDUC 100 Intro. to Profession Education 1
MUS 246 Intro. to Music Technology.....3
EDUC 301 Educational Psychology 3
SPED 241 Intro to Exceptionalities.....3
EDUC 207 Foundations of Education.....3
EDUC 293 Instructional Design for Middle/Second.Schools.....3
MUS 451 Music in the Elementary School 3
MUS 453 Music in the Middle & Secondary School 3
SPED 320 Collab. Teaching of Secondary Students with Special Needs.....3
READ 302 Reading for Content Area 3
Professional Semester: Clinical Practice.....12

MINOR IN MUSIC

A. MUS 102 Musicianship 4
B. MUS 103 Ear Training I 2
MUS 113 Theory I.....2
C. Applied music
(completing the 182 level in one applied area).....4
D. Musical Organizations (8 hours maximum).....8
E. Electives: any other music courses.....6

BACHELOR OF MUSIC

I. GENERAL STUDIES 36

II. MUSIC CORE.....34
MUS 102 Musicianship.....4
MUS 103 Ear Training I 2
MUS 104 Ear Training II 1
MUS 203 Ear Training III 2
MUS 204 Ear Training IV.....1
MUS 113 Music Theory I 2
MUS 114 Music Theory II 3
MUS 213 Music Theory III 2
MUS 214 Music Theory IV.....3
MUS 246 Introduction to Music Technology 3
MUS 330 History of Music I 3
MUS 331 History of Music II 3
MUS 340 Basic Elements of Conducting.....2
MUS 375 Functional Keyboard.....2
MUS 461 Career Development Seminar 1

III. CONCENTRATION: Choose either:
A.) PERFORMANCE or B.) MUSIC TECHNOLOGY

A. PERFORMANCE CONCENTRATION
(select Instrumental, Piano, or Vocal emphasis)

Instrumental Emphasis (Winds, Brass, or Percussion).... 45
MUS 181 – MUS 481 Applied Major Instrument study 21
MUS 385 Instrumental Literature 3
MUS 466 Instrumental Pedagogy.....3
MUS 493 Senior Recital 1
Musical Organizations 17

Brass, Woodwind and Percussion

Total of 17 semester hours; a minimum of 4 semester hours is required in WLU instrumental organizations. Satisfactory completion of: 1) MUS 364 each semester of fulltime enrollment; 2) MUS 264 (Marching Band) a minimum of the first two Fall semesters in attendance; and 3) at least 1 MUS 263 level ensemble all but the last semester of full-time enrollment.

Guitar

Total of 17 semester hours; a minimum of 4 semester hours is required in WLU instrumental organizations. Satisfactory completion of: 1) MUS 364 minimum of 4 semesters; 2) Guitar Ensemble each semester of full-time enrollment; and 3) at least 2 semesters participation in a choral ensembles.

Piano Emphasis……45
Applied Major Instrument study through MUS 481.....21
MUS 373 Accompanying Lab 3
MUS 374 Accompanying Practicum 3
MUS 391 Piano Literature I 3
MUS 392 Piano Literature II 3
MUS 468 Piano Pedagogy 3
MUS 493 Senior Recital 1
Musical Organizations 8

Total of 8 semester hours; a minimum of 4 semester hours is required in WLU musical organizations.

Vocal Emphasis……45
Applied Voice study through MUS 481.....21
MUS 153 Fund. of Voice for Choral Emphasis.....2
MUS 353 Italian, German, and French Diction.....2
MUS 383 Vocal Literature.....3
MUS 464 Vocal Pedagogy.....3
MUS 493 Senior Recital 1
Any Foreign Language 3
Musical Organizations 10

Total of 10 semester hours; a minimum of 4 semester hours is required in WLU choral ensembles. Satisfactory completion of: 1) MUS 265 each semester of fulltime enrollment; 2) a minimum of one semester in a MUS 261 level ensemble.

Performance Concentration
Restricted Electives 12-15
(select Instrumental, Piano, or Vocal emphasis)

Instrumental Emphasis……..minimum 12 credit hours
MUS 168, 169 Piano 2
MUS 171, 172 Secondary Applied (non-pno).....2
MUS 218 Composition.....2
MUS 247 Advanced Computer Notation.....3
MUS 252 Fundamentals of Woodwinds 2
MUS 254 Fundamentals of Percussion 2
MUS 255 Fundamentals of Brass.....2
MUS 265 All-College Chorus.....1
MUS 287 Recording Techniques I 3
MUS 333 Contemporary Music 2
MUS 335 Jazz 2
MUS 344 Choral and Instr. Cond. and Arr. 2
MUS 387 Electronic Music I 3
GBUS 140 Introduction to Business.....3

Piano Emphasis……. minimum 12 credit hours
MUS 152 Fundamentals of Voice.....2
MUS 171, 172 Secondary Applied (non-pno).....2
MUS 218 Composition.....2
MUS 247 Advanced Computer Notation.....3
MUS 264, 265, 364 or 365 Instr. or Voc. Ens. 2
MUS 271, 272 Secondary Applied (non-pno).....2
MUS 278, 478, 479 Spec. Top./Spec. Prob. .....1 – 6
MUS 287 Recording Techniques I 3
MUS 333 Contemporary Music 2
MUS 335 Jazz 2
MUS 337 Music in American Society.....3
MUS 373, 374 Accompanying 2
Foreign Language I 3
GBUS 140 Introduction to Business 3

Vocal Emphasis……. minimum 12 credit hours
MUS 168, 169 Piano 2
MUS 171, 172 Secondary Applied (non-pno).....2
MUS 247 Advanced Computer Notation.....3
MUS 265 Music Theater Workshop.....2
MUS 271, 272 Piano 2
MUS 278, 478, 479 Spec. Top./Spec. Prob.....1 – 6
MUS 264 or 364 Instrumental Ensemble.....2
THE 150 Acting and Stage Technique 4
THE 365 Voice for the Stage.....3
Foreign Language (in add. to major req.).....3
GBUS 140 Introduction to Business.....3

B. MUSIC TECHNOLOGY CONCENTRATION:
Applied Instrumental/Vocal Applied Lessons
(2 cr x 7 sem).....14
Musical Organizations (1 cr x 7 sem) 7
MUS 287 Recording Techniques I 3
MUS 288 Recording Techniques II 3
MUS 387 Electronic Music I 3
MUS 388 Electronic Music II 3
MUS 479 Special Problems.....3
MUS 487 Music Technology Practicum (1 cr x 3 sem)...3
MUS 490 Music Technology Senior Project 6
COM 223, 224 or 225 Radio or Television Production ...4

Music Technology students must take at least seven semesters of musical organizations. Instrumental majors (winds, brass, percussion) must take at least four (4) semesters of Wind Ensemble. Voice majors must take at least four (4) semesters of University Chorus. Guitar majors must take at least four (4) semesters of Guitar Ensemble. All students must take at least two (2) semesters of Electronic Music Ensemble.

Restricted Electives……..minimum 9 credits
MUS 171, 172 Applied Composition Lessons
(1 cr per sem) 2
Musical Organizations*.....2
MUS 218 Composition (2 cr x 2 sem).....4
MUS 247 Advanced Software Notation 3
MUS 278 Special Topics..... 1-3
MUS 478 Special Topics..... 1-3
MUS Music Technology Practicum*.....2
MUS 482 Applied Lessons*.....2
COM 223, 224 or 225 Radio or Television Production*..4
*in addition to above course requirements

BACHELOR OF SCIENCE IN COMMUNICATION
THEATER MAJOR

I. GENERAL STUDIES 48

II. REQUIRED CORE 54
THE 125 Introduction of Stagecraft 3
THE 135 Makeup for Stage 3
THE 229 Principles of Stage Management 3
THE 230 Drafting for the Stage 3
THE 235 Costuming for the Stage.....2
THE 245 Theater Practicum I 1
THE 255 Acting I: Fundamental of Acting.....3
THE 290 On-Campus Internship 2
THE 300 History of Theater I 3
THE 325 Stagecraft 4
THE 330 Scene Design 3
THE 355 Acting II: Advanced Acting 3
THE 365 Voice for the Theater I 3
THE 400 Contemporary Drama.....3
THE 405 Script Interpretation 3
THE 425 Stage Lighting 3
THE 460 Movement for the Stage I 3
THE 470 Play Directing 3

III. RESTRICTED ELECTIVES 12
THE 257 Acting for Musical Theatre.....3
THE 265 Movement for the Actor 3
THE 270 Movement for the Actor II 3
THE 278 Special Topics 1-3
THE 360 Playwriting.....3
THE 370 Voice for the Theater II 3
THE 455 Acting III: Period Acting 3
THE 478 Special Topics (Relating to Theater) 1-3
THE 479 Special Problems (Relating to Theater) 1-3
THE 490 On-Campus Internship II 2
THE 499 Professional Internship - Theater 3
COM 224 Television Production I 3
COM 323 Introduction to Cinema.....3

IV. ADDITIONAL ELECTIVES in THE or COM to total 120 hours.....6

TOTAL.....120

THEATER MINOR

REQUIRED.....14
THE 100 Theater Appreciation 3
THE 125 Introduction to Stagecraft 3
THE 135 Make-Up for Stage 3
THE 255 Acting I: Fundamental of Acting.....3
THE 290 On-Campus Internship in Theater 2

ELECTIVES
Any other THE courses 11
Total minor hours 25

Gary E. West College of Business

Programs Offered by the

GARY E. WEST COLLEGE OF BUSINESS

Bachelor of Science in Business Information Systems

Bachelor of Science in Business Administration

Specializations:

Accounting
Computer Information Systems
Finance
General Business
Health Care Management
Management
Marketing
Sports Management
Tourism and Event Management

Minors:

Business Administration
Computer Information Systems
Economics
Entrepreneurship
Finance
Marketing

Entrepreneurship Certificate through the Center for Entrepreneurship

GARY E. WEST COLLEGE OF BUSINESS

Mrs. Jean Bailey, Interim Dean

The Gary E. West College of Business (WCOB) is committed to the ideal of quality education for business students and to serve the business community through meticulous attention to detail in academic program design and instructional delivery, highly personalized student advisement and assistance, and provision of state-of-the-art facilities. The same high caliber of serious academic commitment is expected from all students enrolled in our programs.

The WCOB programs are nationally accredited through the International Assembly for Collegiate Business Education (IACBE) and our Student Outcomes Assessment Program has been acknowledged in national assessment conferences and by outside assessment consultants.

The mission statement for the Gary E. West College of Business is as follows:

To provide students with an environment that enables them to acquire the knowledge, skills, competencies, ethics and values necessary to make a positive contribution to society and the business profession and to grow both professionally and personally.

The accomplishment of this mission is evidenced by the career successes of our graduates in technical, professional, managerial and executive positions within all types of organizations. In order to fulfill the mission of the Gary E. West College of Business, the following Strategic Goals have been identified.

Goal 1. Provide an educational experience that prepares students to think critically, communicate effectively and perform successfully in a dynamic, technological and globally diverse environment.

Goal 2. Attract and retain qualified students.

Goal 3. Ensure classroom teaching and student advisement are conducted by qualified and prepared faculty.

Goal 4. Provide a technological environment that expands utilization of information and interactive technologies.

Goal 5. Develop and wisely utilize financial resources to support the mission of the Gary E. West College of Business.

Goal 6. Expand relationships with the external environment to stay cognizant of external expectations and oppor-

tunities for the Gary E. West College of Business and our students.

The Gary E. West College of Business believes that these Strategic Goals reflect the mission of the college, work in harmony with the University's strategic planning model, and directly relate to preparing business graduates for careers or advanced study after graduation.

Offerings of the Gary E. West College of Business, integrated with other offerings of the college, enable students to obtain (a) a bachelor of science degree in business administration with a specialization in accounting; finance; computer information systems; general business; health care management; management; marketing; sports management, tourism and event management; (b) a bachelor of science degree in business information systems; or (c) a minor in business administration, business administration for science majors, computer information systems, economics, finance, and marketing, or entrepreneurship to accompany a non-business bachelor's degree.

III. BIS CORE

BIS 340 Computer Programming & Logic 4
BIS 366 Data Communications 3
BIS 371 Advanced Visual Basic 3
BIS 372 Data Base Management Systems 3
BIS 450 Systems Analysis & Development 3
BIS 460 Management Information Systems 3
BIS 461 Operating Systems 3
BIS 463 Decision Support Systems..... 3
BIS 480 MIS Reporting Techniques..... 3
BIS 481 WEB Development 3
BIS 482 Networking/Hardware Hands-on..... 3
BIS 483 Data Base Design/SQL..... 3
Restricted Elective..... 3
Total ..... 40 Hrs.

Total for degree..... 120 Sem. Hrs.

COMPUTATION OF GRADE POINT AVERAGES

Students specializing in any of the business administration programs must earn a cumulative grade point average of at least 2.00 in their specialization in order to graduate.

B.S. DEGREE IN BUSINESS INFORMATION SYSTEMS

This degree program is designed to meet the needs of both current and future technology management positions. Students will receive instruction in both business and technology, giving them a solid management background in both areas. In addition, this program will prepare students for positions such as information systems software designer, software design manager, database designer, information interface designer, systems analysts and system programmers.

The curriculum for the B.S. in Business Information Systems is intended to prepare students for professional business careers and for graduate study.

I. GENERAL STUDIES 48

II. BUSINESS PRINCIPLES CORE

ECON 102 Principles of Microeconomics..... 3
ACC 224 Principles of Financial Accounting 3
ACC 225 Principles of Managerial Accounting..... 3
CIS 271 Practical Computer Applications..... 2
FIN 300 Principles of Finance 3
GBUS 303 Quantitative Business Analysis 3
MKT 331 Principles of Marketing..... 3
GBUS 344 Legal Environment of Business I..... 3
MGT 350 Principles of Management..... 3
MGT 474 Organizational Behavior 3
MGT 498 Management Policy and Strategy..... 3
Total 32

BACHELOR OF SCIENCE DEGREE IN BUSINESS ADMINISTRATION

I. GENERAL STUDIES 48

II. BUSINESS STUDIES CORE

ECON 102 Principles of Microeconomics..... 3
GBUS 222 Professional Development I 1
ACC 224 Principles of Financial Accounting 3
ACC 225 Principles of Managerial Accounting..... 3
CIS 270 Introduction to Computer Systems 2
CIS 271 Practical Computer Applications..... 2
GBUS 280 Business Statistics 3
FIN 300 Principles of Finance 3
GBUS 303 Quantitative Business Analysis 3
GBUS 322 Professional Development II 1
MKT 331 Principles of Marketing..... 3
GBUS 344 Legal Environment of Business I..... 3
MGT 350 Principles of Management..... 3
MGT 498 Management Strategy & Policy 3
Total 36

III. REQUIREMENTS FOR SPECIALIZATION
found on the following pages

IV. UPPER-LEVEL ELECTIVES
as needed to total..... 120

DEPARTMENT OF ACCOUNTING, FINANCE AND INFORMATION SYSTEMS

Dr. John Aulerich, Chair

The Department of Accounting, Finance and Information Systems offers specializations in Accounting, Computer Information Systems, Business Information Systems and Finance. The curriculum in each of these specializations is intended to prepare students for professional business careers and for graduate study.

ACCOUNTING SPECIALIZATION

The specialization in accounting is designed to prepare students who intend to enter the field of internal auditing with an adequate background. With additional coursework, students can also become eligible to sit for the Certified Public Accountant's (C.P.A.) examination. (Students interested in taking the C.P.A. exam should consult with their appropriate State Board of Accountancy for specific rules.)

ACC 324 Intermediate Accounting I 3
ACC 325 Intermediate Accounting II 3
ACC 330 Cost Accounting 3
ACC 350 Internal Auditing 3
ACC 360 Forensic Accounting 3
ACC 400 Accounting Information Systems 3
ACC 426 Federal Taxation of Business Entities 3
ACC 447 Accounting Ethics 3
Total ..... 24 Hrs.

Courses recommended for students wishing to sit for the C.P.A. exam:
GBUS 444 Legal Environment of Business II 3
ACC 402 Advanced Accounting 3
ACC 420 Auditing 3
ACC 425 Federal Taxation of Individuals 3

FINANCE SPECIALIZATION

The finance specialization combines a broad range of practical business courses with specialized courses in finance in order to assist students in gaining a thorough background in financial analysis and financial services. The required core is designed to provide students with the competencies needed to pursue successful careers in banking, government or the business world. Students with a strong background in business and finance can expect to find employment opportunities in a wide variety of business activities, such as capital budgeting, consulting, financial analysis, and a broad range of banking and financial services.

FIN 310 Investment & Portfolio Analysis I 3
FIN 311 Investment & Portfolio Analysis II 3
FIN 321 Introduction to Wealth Management 3
FIN 322 Insurance Planning 3
FIN 424 Retirement Planning 3
FIN 425 Estate Planning 3
FIN 446 Personal Financial Planning Capstone 3
Total ..... 21 Hrs.

COMPUTER INFORMATION SYSTEMS SPECIALIZATION

This program of study can prepare an individual to be an active participant in the Information Age. In CIS, the opportunities and experience are boundless for the individual who discovers this special business tool. The coursework is centered around personal computer systems. The CIS program aligns with the AITP model curriculum. Students graduating from this program could expect job opportunities as programmers or information services staff in all types of organizations at locations all over the country.

MGT 474 Organizational Behavior 3
BIS 340 Computer Programming & Logic 4
BIS 366 Data Communications 3
BIS 371 Advanced Visual Basic 3
BIS 372 Data Base Management Systems 3
BIS 450 Systems Analysis & Development 3
BIS 460 Management Information Systems 3
BIS 461 Operating Systems 3
BIS 463 Decision Support Systems 3
CIS Electives/Restricted Elective 9
Total ..... 37 Hrs.

DEPARTMENT OF MANAGEMENT AND MARKETING

Dr. Carrie White, Interim Chairperson

The Department of Management and Marketing offers specializations in General Business, Health Care Management, Management, Marketing, Sports Management and Tourism and Event Management The curriculum in each of these specializations is intended to prepare students for professional business careers and for graduate study.

GENERAL BUSINESS SPECIALIZATION

The specialization in general business is designed for the student who desires a broad preparation in business studies rather than specializing in any one particular business area. Students with broad training in business subjects can expect to find employment in widely varied types of business activity.

REQUIREMENTS:

ACC 320 Management Accounting Procedures.....3
BIS 460 Management Information Systems.....3
ECON 300 Money and Banking 3
GBUS 325 International Business.....3
GBUS 444 Legal Environment of Business II.....3
FIN 302 Corporate Finance.....3
MGT 474 Organizational Behavior 3
MKT 485 Marketing Research.....3
Total.....24 hrs.

* Students are required to take upper-level electives to total 120 hrs.

HEALTH CARE MANAGEMENT SPECIALIZATION

As the health care industry continues to grow and expand, the demand for skilled health services managers also increases. Today's health care providers and managers must possess the acumen, understanding, and creativity to lead their respective organizations.

Health care management prepares students for hospital positions in areas such as human resources, materials management, environmental services, patient accounting, food service, and budget management. Other employment opportunities may be found in managed care organizations, health insurance companies and physician group practices.

REQUIREMENTS:

BIO 210 Essentials of Biomedical Term. 3
ECON 312 Health Care Economics 3
MKT 342 Health Care Marketing & Management.....3
MGT 352 Labor Management Relations 3
MGT 354 Employment Law.....3
MGT 355 Health Care Law.....3
MGT 474 Organizational Behavior 3
MGT 475 Human Resource Management.....4
Total.....24 hrs.

SELECT THREE FROM THE FOLLOWING:

GERO 100 Perspectives on Aging 3
GERO 350 The Law, Ethics and Aging.....3
GERO 360 Health Law and Social Policy.....3
GERO 370 Financing and Regulation of
Long-Term Care Services.....3
HS 300 Understanding Death and Dying 3
HS 370 Therapeutic Communication.....3
HS 400 Health Care Delivery Systems.....3
HS 410 Issues in Health Care 3
MGT 485 Health Care Internship.....3
Total.....9 hrs.
Total hours required for specialization ..... 33 hrs.

MANAGEMENT SPECIALIZATION

The field of management offers opportunities that are challenging, diverse, and rewarding in nature. All organizations have a common characteristic, which is the need for good managers. Organizations, whether they are for profit or nonprofit, public or private, large, medium, or small, national or international in scope, need effective managers. Because managerial skills are universal in their application, career opportunities are varied. Supervisory and managerial positions can be found in retailing, health care, recreation and leisure facilities, food service, distributorships, wholesaling, manufacturing, and the financial services industry. In addition, many opportunities exist in organizational supportive positions such as those involving personnel, labor relations, and health and safety.

ACC 320 Management Accounting Procedures..... 3
BIS 460 Management Information Systems..... 3
MGT 351 Operations Management..... 3
MGT 352 Labor Management Relations 3
MGT 353 Small Business Management..... 3
MGT 474 Organizational Behavior 3
MGT 475 Human Resource Management..... 3
Electives in Management/Restricted Elective..... 9
General Elective 3
Total.....33 Hrs.

MARKETING SPECIALIZATION

Marketing is an exciting, dynamic, and essential field of business administration. Marketing affects us as informed citizens and consumers, as well as members of the work force. Some aspect of marketing influences every part of our daily lives. The majority of Gary E. West College of Business of business administration majors find job opportunities in some facet of marketing. Marketing is the only aspect of business administration that always has contact with the end users, whether they are consumers or businesses. Marketers strive to add value to goods and services through planning products, pricing them, promoting them, selling them, and then delivering them. Wholesalers, retailers, advertisers, researchers, transportation analysts, and others employ marketers. Our curriculum distinguishes itself by emphasizing technology, creativity, and entrepreneurship.

REQUIREMENTS:

ENT 202 Creative Problem Solving.....3
MKT 340 Consumer Behavior 3
MKT 341 Integrated Marketing Communications 3
MKT 425 Social Media Marketing.....3
MKT 485 Marketing Research.....3
Total .....15 hrs.

RESTRICTED MARKETING ELECTIVES

Students must choose five (5) courses from the following:

MKT 332 Professional Selling 3
MKT 334 Retailing 3
MKT 336 Advertising 3
MKT 338 Business-to-Business Marketing.....3
MKT 341 Health Care Marketing and Management.....3
MKT 400 Public Relations and Sales Promotion.....3
MKT 480 International Marketing 3
MKT 498 Marketing Management 3
ACC 320 Management Accounting Procedures.....3
ENT 300 Foundations of Entrepreneurship 3
GBUS 444 Legal Environment of Business II.....3
MGT 470 Sport Management and Marketing 3
Total..... 15 hrs.

GENERAL ELECTIVES.....6 hrs.
Must be upper-level (300 and higher)

TOTAL TO DEGREE..... 120 hrs.

Total hours for Marketing Specialization ..... 36 hrs.

SPORTS MANAGEMENT SPECIALIZATION

Career sports managers work in numerous professional capacities in a variety of organizations such as collegiate and professional sports, sports information, facilities management, sporting goods industry, and campus recreation. This specialization is designed to prepare individuals to enter the field of sports management with the basic skills needed to succeed. The curriculum combines courses in business and physical education resulting in coursework and academic experiences that are relevant to the demands of a sports manager's job.

MKT 332 Professional Selling 3
OR
MKT 336 Advertising 3
MGT 353 Small Business Management..... 3
MGT 470 Sports Mgt. & Marketing..... 3
MGT 471 Sports Mgt. Internship 6
MGT 474 Organizational Behavior 3
PE 124 Introduction to Sports Management..... 1

Select one course from the following two:
PE 324 Practicum in Sports Information..... 2
OR
COM 211 Mass Communications Media 3

Select two courses from the following eight:
PE 329 Golf
PE 331 Baseball/Softball
PE 332 Football
PE 333 Volleyball
PE 334 Basketball
PE 336 Wrestling
PE 337 Track/Field
PE 338 Tennis

PE 354 Facilities Management in Sports and Physical Education..... 2
PE 355 Sport Law..... 2
PE 365 Psychology and Soc. of Physical Education..... 3
PE 382 Principles of Recreation..... 2
Restricted Elective..... 2-3

Total hours for Specialization .....34-36 Hrs.

TOURISM AND EVENT MANAGEMENT SPECIALIZATION

The field of tourism and event planning is one of the most rapidly expanding and dynamic areas of employment in the state and at national and international levels. This program of study is designed to assist students in acquiring the unique skills and abilities that are required to succeed in managerial and administrative positions within this field. This program also serves to focus on the expanding career opportunities for travel and tourism managers in today's national and international leisure and recreation industry. An intensive internship represents a primary component of this program.

MKT 336 Advertising 3
MGT 474 Organizational Behavior 3
MGT 475 Human Resource Management..... 3
TEM 300 Introduction to Hospitality and Tourism..... 3
TEM 316 Food Service Mgt..... 3
TEM 460 Travel Services Mgt. 3
TEM 461 Lodging and Resort Mgt..... 3
TEM 490 Hospitality and Tourism Mgt. Internship..... 6
Electives in Hospitality and Tourism Management 6

Total .....33 Hrs.

MINORS OFFERED:

BUSINESS ADMINISTRATION MINOR

ECON 101 or 102 Principles of Macroeconomics or Microeconomics 3
ACC 224 Principles of Financial Accounting 3
ACC 225 Principles of Managerial Accounting 3
CIS 271 Practical Computer Applications 2
FIN 300 Principles of Finance 3
MKT 331 Principles of Marketing 3
GBUS 325 International Business 3
GBUS 344 Legal Environment of Business I 3
MGT 350 Principles of Management 3

Total Minor Hours .....26 Hrs.

Not open to Business Administration Majors.

GBUS 140 must be taken to fulfill the General Studies Requirement.

BUSINESS ADMINISTRATION MINOR FOR SCIENCE MAJORS

ECON 101 or 102 Principles of Macroeconomics or Microeconomics 3
ACC 224 Principles of Financial Accounting 3
ACC 225 Principles of Managerial Accounting 3
CIS 271 Practical Computer Applications 2
MKT 331 Principles of Marketing 3
GBUS 344 Legal Environment of Business I 3
MGT 350 Principles of Management 3
MGT 353 Small Business Management 3
MGT 475 Human Resource Mgt. 3

Total Minor Hours .....26 Hrs.

Not open to Business Administration Majors.
GBUS 140 must be taken to fulfill the General Studies Requirement.

MINORS OPEN TO ANY STUDENT:

COMPUTER INFORMATION SYSTEMS MINOR

ACC 224 Principles of Financial Accounting 3
ACC 225 Principles of Managerial Accounting 3
CIS 270 Introduction to Computer Systems 2
CIS 271 Practical Computer Applications 2
BIS 340 Computer Programming & Logic 4
BIS 366 Data Communications 3
BIS 372 Data Base Management Systems 3
BIS 460 Management Information Systems 3
BIS 463 Decision Support Systems 3

Total Minor Hours .....26 Hrs.

GBUS 140 must be taken to fulfill the General Studies Requirement.

ECONOMICS MINOR

ECON 305 Intermediate Microeconomics 3
ECON 306 Intermediate Macroeconomics 3

Two electives from the following:
ECON 407 Public Finance 3
ECON 300 Money and Banking 3
FIN 355 International Finance 3

Total Minor Hours ..... 12 hrs.

FINANCE MINOR

REQUIRED:
FIN 310 Investment and Portfolio Analysis I 3
FIN 311 Investment and Portfolio Analysis II 3
FIN 321 Introduction to Wealth Management 3

One elective from the following:
FIN 302 Corporate Finance 3
ECON 305 Intermediate Microeconomics 3
ECON 306 Intermediate Macroeconomics 3
ECON 407 Public Finance 3
ECON 300 Money and Banking 3
FIN 355 International Finance 3

Total Minor Hours ..... 12 hrs.

MARKETING MINOR

GBUS 280 Business Statistics 3
MKT 331 Principles of Marketing.....3
MKT 340 Consumer Behavior 3
MKT 341 Integrated Marketing Communications*.....3
MKT 485 Market Research**.....3

** Journalism and Communications Studies students in the AdComm and PR programs may substitute MKT 480 International Marketing for MKT 341.*

***Prerequisite GBUS 280 Business Statistics or MATH 160 Introduction to Statistics*

RESTRICTED ELECTIVES.....3
Select one from the following:
MKT 332 Professional Selling 3
MKT 334 Retailing.....3
MKT 336 Advertising 3
MKT 338 Business-to-Business Marketing.....3
MKT 342 Health Care Marketing and Management.....3
Total Minor Hours ..... 18 hrs.

CENTER FOR ENTREPRENEURSHIP

The West Liberty University Entrepreneurship Program is designed to provide students across all educational majors with a unique learning experience in the fast-paced world of entrepreneurship.

Entrepreneurs are ordinary people who do extraordinary things. Entrepreneurs see “problems” as “opportunities,” then take action to identify the solutions to those problems and the customers who will pay to have those problems solved. Entrepreneurship is a key to economic development.

Entrepreneurs like to do things that are exciting -- things that bend the rules a bit in order to fulfill a passion for creativity, innovation and change.

ENTREPRENEURSHIP MINOR

To earn the Entrepreneurship Minor, students must earn 12 credit hours from the following courses:

ENT 202 Creative Problem Solving 3
ENT 300 Foundations of Entrepreneurship.....3
ENT 301 Entrepreneurial Promotions.....3
ENT 325 Social Entrepreneurship.....3
ENT 350 Entrepreneurship, Law and Ethics 3
ENT 450 Venture Finance and Analysis.....3
ENT 490 Internship in Entrepreneurship 1-6

ENTREPRENEURSHIP CERTIFICATE

Students may earn a Certificate in Entrepreneurship by taking the following 15 credit hours:

ENT 202 Creative Problem Solving 3
ENT 300 Foundations of Entrepreneurship.....3
ENT 301 Entrepreneurial Promotions.....3
ENT 350 Entrepreneurship and Law 3
ENT 450 Venture Finance and Analysis.....3

Courses are open to non-degree seeking students as well as students of all academic disciplines.

College of Education

Programs Offered by the

COLLEGE OF EDUCATION

BACHELOR OF ARTS IN ELEMENTARY EDUCATION

BACHELOR OF ARTS IN COMMUNITY EDUCATION

In partnership with other colleges within the university, students may earn the following:

Bachelor of Arts in English Education
Bachelor of Arts in Social Studies Education
Bachelor of Arts in Mathematics in Education
Bachelor of Arts in Biology Education
Bachelor of Arts in Chemistry Education
Bachelor of Arts in General Science
Bachelor of Arts in Music Education
Bachelor of Arts in Art Education

- Academic major is a selected field of study that meets university requirements for a specific degree.
- Certification is a set of courses that approved and recognized by the W.Va. State Department of Education for teacher licensure. In addition to coursework, students must meet additional requirements prescribed by the state which may include but is not limited to a background check and national certification standardized tests. Our education degrees are aligned to the certification requirements.
- Endorsements are additional areas of licensure added to or taken concurrently with an existing certification.

Certifications:

- Elementary K-6
- Early Education Pre-K-K
- Music Education Pre-K-Adult (Choral and Instrumental)
- Physical Education Pre-K-Adult
- Health Education Pre-K-Adult
- Art Education Pre-K-Adult
- Social Studies 5-Adult
- Mathematics 5-Adult
- Biology 9-Adult
- Chemistry 9-Adult
- General Science 5-Adult
- English 5-Adult
- Multi-Categorical special education K-6 and 5-Adult (learning disabilities, behavior disorders, and mental impairments)

Endorsements for Middle School 5-9:

- English
- Social Studies
- General Science
- Mathematics

Minors:
Athletic Coaching
Community Education
Exercise Physiology
Health and Fitness
Special Education

DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE

Bachelor of Arts in Physical Education
Bachelor of Arts in Health Education Pre-K-Adult
Bachelor of Science in Exercise Physiology
Bachelor of Science in Athletic Training
Tracks: *Athletic Training*
Pre-Professional

Minors:
Athletic Coaching
Exercise Physiology
Health and Fitness

MASTER OF ARTS IN EDUCATION

Tracks: *Advanced Teaching*
Community Education
Entrepreneurship for Teaching
Leadership Studies
Advanced Special Education
Special Education Multi-Categorical Certification
Sports Leadership and Coaching
Technology Integration
Master Teacher

COLLEGE OF EDUCATION

Keely Camden, Ed.D., Dean

DEPARTMENT OF PROFESSIONAL EDUCATION

Ms. JoJo Ullom, Chair

IMPORTANT REMINDER

Changes in state or national requirements or in accreditation requirements sometimes result in program changes that occur after the WLU Catalog has been printed. Students are advised to monitor the Department of Professional Education web site and to maintain a close working relationship with an academic advisor within the major to ensure that those programmatic changes do not delay graduation.

TEACHER EDUCATION STUDENT POLICY MANUAL

The policies and procedures governing teacher education at West Liberty are outlined in detail in the Department of Professional Education Student Policy Manual and on the Professional Education web site. The Student Policy Manual is available in PDF format on the Professional Education web site.

In order to fufull graduation requirements for a B.A. in Education, the student must meet all Teacher Education Certification requirements as prescribed by the State of West Virginia and outlined in the Teacher Education Student Policy Manual. This manual is updated yearly. Students are responsible for meeting the requirement published in this manual the year they are applying for admission into the Teacher Education Program.

ACCREDITATION OF TEACHER EDUCATION PROGRAMS

The teacher education programs at West Liberty are nationally accredited by the National Council For Accreditation of Teacher Education (NCATE). NCATE was sanctioned by the United States Department of Education as the official accrediting body for teacher education in 1954. West Liberty was one of the first institutions accredited by NCATE in 1954 and celebrated 50 years of continuous national accreditation in 2004. In addition, all teacher education programs at West Liberty University have been approved by the West Virginia Higher Education Policy Commission and by the West Virginia Board of Education.

BACHELOR OF ARTS IN EDUCATION SUMMARY OF ADMISSION AND RETENTION DEGREES

The admission and retention process teacher education consists of four stages:

1. Pre-Admission,

2. Formal Admission To Teacher Education,

3. Admission to Clinical Practice (Student Teaching),

4. Graduation and Certification.

1 - Pre-Admission
The first part of the professional education admission and retention process takes place when the prospective student applies for admission to West Liberty University and indicates that he or she is interested in pursuing a teaching major or when the student changes his or her major to professional education from another major. The formal declaration of a teaching major on the admission form or with the Registrar's office gives Education the ability to communicate with the student regarding items of importance to education majors.

2 - Formal Admission into the WLU Teacher Education Program
Students who have completed the requirements for admission into Teacher Education apply for admission using an online form available through the Department web site.

3 - Admission to Clinical Practice (Student Teaching)
See the Teacher Education Student Policy Manual.

The criteria for admission into Professional Education are: See Teacher Education Student Policy Manual.

4 - Graduation and Certification
During the period of the clinical practice, the candidate is required to follow the schedule of his or her cooperating teacher and of the school in which he or she is placed. The Student Teaching Syllabus lists all of the requirements and expectations that the candidate must meet in order to receive credit for the experience.

Candidates who are pursuing the BA degree must submit an Application for Graduation to the Registrar's Office

by the deadline established by that office. The Registrar's Office staff determines if the candidate has met the graduation requirements.

Teaching Certification

To qualify for West Virginia teaching certification, each graduate must also pass all of the required Praxis II tests for the subject area that he or she intends to teach. A list of the required Praxis II tests, along with the required passing scores, is available at the E.T.S. web site (http://www.ets.org/praxis) or the West Virginia Department of Education web site.

Graduates may obtain certification packets at the dean's office or by requesting a packet from WVDE. Fingerprinting must be completed at the WVDE approved location.

BACHELOR OF ARTS IN ELEMENTARY EDUCATION

Minimum 128 credit hours

A. PRE-PROFESSIONAL SKILLS COMPONENT

All education students must pass the pre-professional skills tests. Also, they must demonstrate speaking skills competency by achieving a letter grade of "C" or better in COM 101.

B. CONTENT SPECIALIZATION COMPONENT

Required (53 credit hours including M & M Block)

ART 370 Art Education I 2
ART 470 Art Education II.....2
(Students specializing in ART 5-9 will not take ART 370 & ART 470)
BIO 340 Life Science II / Lab 4*
HE 466 Health & Safety Methods & Materials for Elementary Teachers 3
HIST 211 History of the US II.....3
MATH 107 Mathematics for Elem. Teachers II.....4
MUS 351 Music Materials & Procedures 3
PE 343 Physical Ed. for Elem. & 5-9 Teachers.....2
PHYS 340 Physical Science II.....4
* READ 210 Children's Literature 3
READ 312 Dev. Read 3
HIST 302 W.Va. & Appalachian Region 3

C. PROFESSIONAL EDUCATION COMPONENT*

Required (3 credit hours)

EDUC 100 Intro to Professional Education.....1
EDUC 207 Foundations of Education.....3
EDUC 290 Instructional Technology 3
EDUC 301 Educational Psychology.....3
SPED 241 Intro to Exceptionalities.....3

METHODS AND MATERIALS BLOCK SEMESTER

These courses must be scheduled together during the semester prior to the professional semester. Students must be admitted to Teacher Education before enrolling in the Elementary Education Methods and Materials Block semester. **Students must be enrolled in the M&M Block to register for the courses listed below.**

EDUC 460 Science Methods & Materials for Elementary Teachers 3
EDUC 461 Mathematics Methods & Materials for Elementary Teachers 3
EDUC 462 Social Science Methods & Materials for Elementary Teachers 3
EDUC 463 Instructional Design & Assessment.....2
READ 417 Language Arts & Reading Diagnosis and Practicum 3
SPED 412 Collaborative Planning, Inst. Assessment of Elem. Students with Special Needs.....3

PROFESSIONAL SEMESTER COURSES: **

EDUC 409 School Law & Organization 1
EDUC 470 Student Teaching Seminar 1
EDUC 480 Student Teaching in ECE 5
EDUC 484 Student Teaching in MCE..... 5

NOTE:

*** 1. A minimum grade of "C" is required for all required courses having an EED, EDUC, READ or SPED prefix.**

2. Students choosing an additional specialization are also required to take the Curriculum and Methods course for that specialization.

3. For State certification, students must pass the required PRAXIS II test(s) for their content area.

**** Students must be eligible for student teaching to enroll in the professional semester courses.**

***** Students are required to complete 125 hours of field work prior to the professional semester. Field specifications can be found in the Student Policy Handbook on the Department of Professional Education website. Students must register for field experience(s) with the Field Experience Coordinator and include time in their schedules to travel to the school and complete the field experience.**

Additional electives or optional specialization to total.....128 hrs.

D. OPTIONAL CERTIFICATIONS AVAILABLE TO ELEMENTARY EDUCATION MAJORS

Specialization

Early Education PreK-K
Multi-categorical Special Education K-6
Art 5-9
English 5-9
General Sciences 5-9
Mathematics 5-9
Social Studies 5-9

See curriculum summary sheets online or in the Dean's office for course requirements and any specific admission and retention criteria. Students MUST OBTAIN an advisor from each specialization area.

SECONDARY AND COMPREHENSIVE EDUCATION CONTENT SPECIALIZATIONS
5-Adult, 9-Adult, Pre-K-Adult
(Minimum 128 credit hours)

PRE-PROFESSIONAL SKILLS COMPONENT
All education students must pass state-required pre-professional skills tests. Also, they must demonstrate speaking skills competency by achieving a letter grade of "C" or better in COM 101.

SECONDARY AND PRE-K-ADULT PROFESSIONAL EDUCATION COMPONENT *
Required (41 Credit Hours)
EDUC 100 Intro. to Professional Education 1
EDUC 207 Foundations of Education..... 3
EDUC 290 Instructional Technology..... 3
EDUC 293 Instructional Design..... 3
EDUC 301 Educational Psychology 3
Curr. and Methods in Specialization 3
SPED 241 Intro to Exceptionalities..... 3
SPED 320 Collab. Teaching of Secondary Students with Special Needs..... 3
READ 302 Reading for Content Area 3

PROFESSIONAL SEMESTER COURSES: **
(APPROVAL FOR STUDENT TEACHING REQUIRED)
EDUC 409 School Law & Organization 1
EDUC 470 Student Teaching Seminar 1
EDUC 480 Student Teaching in ECE 0-2
EDUC 482 Student Teaching in AC 0-10

NOTES:
 # STUDENTS MUST BE ADMITTED INTO PROFESSIONAL EDUCATION TO TAKE READ 302 C&M, and EDUC 301, 293 and SPED 320.
*** 1. A minimum grade of "C" is required for all required courses having an EED, EDUC, READ or SPED prefix.**
2. Students choosing an additional specialization are also required to take the Curriculum and Methods course for that specialization.
3. For West Virginia certification, students must pass the required PRAXIS II tests.
**** Students must be eligible for student teaching to enroll in the professional semester courses.**
***** Students are required to complete 125 hours of field work prior to the professional semester. Field specifications can be found in the Student Policy Handbook on the Department of Professional Education website. Students must register for a field experience with the Field Experience Coordinator and include time in their schedules to travel to the school and complete the field experience.**
Additional electives or a second specialization may be needed to achieve the 128 credit hours required for graduation.

Optional 5-Adult Specialization in Multicategorical Special Education available to students completing secondary education degrees with the following majors: English, Mathematics, Social Studies, Biology, Chemistry, or General Science.

EDUCATION MINOR

REQUIRED HOURS..... 15
EDUC 201 Human Development..... 3
SPED 241 Introduction to Exceptionalities..... 3
EDUC 207 Foundations of Education..... 3
EDUC 290 Educational Technology 3
EDUC 301 Education Psychology..... 3
ELECTIVES..... 9
(Three three-hour courses with the prefix EDUC, READ, SPED or EED.)
TOTAL .....24 Sem. Hrs.

(Note: The Education Minor does not lead to teaching certification).

BACHELOR OF ARTS IN COMMUNITY EDUCATION

Minimum 120 credit hours

The mission of the Community Education program at West Liberty University is to attract intelligent and creative students showing an interest in education that is not limited to "traditional teacher education" in the classroom. The program seeks candidates who are open to serve as competent and effective professional educators and facilitators, willing to marry the two worlds of Formal and Non-Formal Education through active engagement in and through the community.

The curriculum is designed to structure, facilitate, and promote the 21st Century skills of critical thinking, problem-solving, and creativity. Students are encouraged to communicate and collaborate with individuals, groups, and institutions of the community on a local, national, and even international level. The program aims to develop master educators, facilitators, and educational leaders that contribute to community development at various levels, by engaging in the community through teaching, motivating its members through reflection, and consequently changing lives in a positive way.

Students will be equipped to serve the community/ non-formal education of children, adults, and communities through a broad set of coursework. The acquired knowledge of specific common core courses, community educa-

tion courses, and the possibility of specification in one of the three majors of Community Arts, Outdoor Education, and Sports, Recreation and Wellness will not just embrace the students' interests and strengths, but also provide students with multifaceted employment options in schools, universities, museums, community centers, and other community facilities upon graduation.

GENERAL STUDIES 63
CORE 36
Choose one major: .....
21-22 ....Community Arts; Outdoor Education; Sports, Recreation and Wellness

Core – 36 credit hours:
EDUC 201 Human Development..... 3
EDUC 301 Educational Psychology 3
ENT 350 Entrepreneurship and Law 3
SPED 241 Exceptionalities and Diversites..... 3
CEP 411 Formal & Non-Formal Education Models 3
CEP 421 Promoting Creativity & the Arts 3
CEP 422 Outdoor Learning Spaces 3
CEP 433 Program Design and Implementation..... 3
CEP 442 Community Empowerment and Engagement ... 3
CEP 443 Fundraising and Grant Writing 3
CEP 463 Rethinking 21st Century Education
CEP 493 Internship/ International Community Experience 4

COMMUNITY ARTS
MAJOR (21 hours)

REQUIRED..... 21
ENT 202 Creative Problem Solving..... 3
COM 227 Visual Literacy..... 3
Or one of the following:
COM 231 News Writing and Reporting 3
COM 313 Organizational Communication..... 3
COM 426 Multimedia and Social Networking..... 3
COM 434 Desktop Publishing 3
MGT 350 Principles of Management..... 3
CEP 452 Reggio Emilia and Other Approaches..... 3
CEP 473 Community Outreach 3
CEP 492 Practicum I (on-campus)/Community Arts..... 3
(theatre, dance and movement, music and youth symphony, visual arts and exhibitions)
CEP 482 Practicum II (off-campus)/Community Arts..... 3
(theatre, dance and movement, music and youth symphony, visual arts and exhibitions)

OUTDOOR EDUCATION
MAJOR (22 hours)

REQUIRED..... 22
BIO 224 Field Natural History (Fall semester only) 3
SDE 232 First Aid & Emergency Services..... 3
BIO 235 Introduction to Environmental
Policies and Issues 3
PE 280 Recreation Camp/ Outdoor Leisure Pursuits..... 3
GEO 307 Environmental Issues in Appalachia..... 3
GEO 312 Geographies of World Tourism 3
Or one of the following:
GEO 317 Georgraphies of Diasters..... 3
GEO 405 Environmental Geography..... 3
GEO 444 Weather and Climate..... 3
BIO 340 General Biology for Elementary Teachers..... 4

SPORTS, RECREATION, AND WELLNESS
MAJOR (21 hours)

REQUIRED..... 21
PE 211 Group Fitness Leadership..... 2
SDE 232 First Aid and Emergency Services 3
PE 240 Anatomy..... 3
PE 280 Recreation Camp/ Outdoor Leisure Pursuits..... 3
PE 345 Physiology of Exercise..... 3
OR
EP 299 Basic Strength and Conditioning 3
HE 360 Community and Environmental Health
(Fall and Spring) 3
PE 382 Principles of Recreation (Spring only) 2
HE 470 Current Health Issues Seminar (Online)..... 1

Select one credit hour from the following classes:
PE 117 Individual and Recreational Sports (Fall only) 1
PE 225 Lifeguarding..... 1
(American Red Cross certification in lifeguarding. Prerequisite: Proficient swimming skills applicable to American Red Cross level V)
PE 320 Principles of Coaching (Fall only)..... 1
PE 322 Organization and Administration of Physical Education, Intramurals, and Athletics (Spring only)..... 1

COMMUNITY EDUCATION
MINOR

EDUC 201 Human Development..... 3
CEP 411 Formal and Non-Forma Educational Models... 3
CEP 421 Promoting Creativity and the Arts..... 3
OR
CEP 422 Outdoor Learning Spaces 3
CEP 433 Program Design and Implementation..... 3
CEP 442 Community Empowerment and
Engagement..... 3
CEP 443 Fundraising and Grant Writing 3

TOTAL .....18 Sem. Hrs.

(Note: The Community Education Minor does not lead to teaching certification).

DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE

Dr. Rhonda Noble, Chairperson

The areas of Health Education, Physical Education, Athletic Training, and Exercise Physiology have broadened their horizons to incorporate at least 15 other disciplines students may pursue after graduation by taking specific general studies requirements along with the core requirements of each degree. These include Sport Psychology, Sport Physiology, Motor Development, Sport Pedagogy, Adapted Physical Activity, Sport Biomechanics, Sport Management, Health Department Employment, Community Health, Hospital and Wellness Center Employment, Physical and Occupational Therapies, Corporate and Adult Fitness, Cardiac and Pulmonary Rehabilitation, Sports Information, and Athletic Training.

In order to graduate, all Health, Physical Education, Athletic Training, and Exercise Physiology majors ARE REQUIRED to have at least an overall 2.5 G.P.A. and also in their major field. In addition, all students will have a faculty advisor within the Department of Health and Human Performance

GENERAL STUDIES IN PHYSICAL EDUCATION

The required physical education program for all students in the university consists of two different life-time activity courses: PE 101 and PE 102, each for one credit hour. Students who have a physical disability that would prevent their participation in a physical education course must consult with the chairperson of the department to arrange for an adapted program that best suits their needs. See the General Studies section of the catalog for additional General Studies requirements.

BACHELOR OF ARTS IN PHYSICAL EDUCATION

I. GENERAL STUDIES 45-47

II. REQUIRED (44 credit hours) Note: Students must earn a G.P.A. of 2.5 or higher for the courses listed in this section.

PE 101 Majors PE (Beginner Swim **OR**
PE 225 Lifeguarding.....1
PE 102 Majors PE (Dance) 1
PE 106 Primary Movement Experiences.....2
PE 108 Team Sports I.....2
PE 109 Lifetime Dual Sports 2
PE 117 Individual and Recreational Sports 1
PE 120 Introduction to Physical Education.....2
SDE 232 First Aid and Emergency Services 3
OR
SDE 252 Emergency Medical Technician.....3
PE 211 Group Fitness Leadership.....2
PE 240 Anatomy and Physiology 3
PE 258 Motor Development 3
PE 280 Camping & Outdoor Leisure Pursuits 1
HE 300 Nutrition & Fitness 3
PE 320 Principles of Coaching.....1
PE 322 Organization and Administration of
Physical Education, Intramurals, and Athletics.....1
PE 325 Practicum in Physical Education.....1
PE 326 Tests, Measurements and Research Design 2
PE 345 Physiology of Exercise I.....3
PE 365 Psych. & Soc. of Physical Education.....2
PE 395 Kinesiology 3
PE 452 Adapted Physical Education I.....2

Electives (3 hours)– This must include a minimum of one (1) credit course.
PE 216 Water Safety Instruction 1
PE 329 Coaching Golf I.....1
PE 331 Coaching I Baseball/Softball.....1
PE 332 Coaching II Football.....1
PE 333 Coaching III Volleyball 1
PE 334 Coaching IV Basketball.....1
PE 335 Sports Officiating 1
PE 336 Coaching V Wrestling 1
PE 337 Coaching VI Track and Field.....1
PE 338 Coaching VII Tennis.....1
PE 342 Care and Prevention of Athletic Injuries.....2
PE 344 Coaching Soccer 1
PE 352 Sport Rehabilitation 2
PE 354 Facilities Management in Sports & PE 2
PE 355 Sport Law.....2
PE 382 Principles of Recreation.....2

Curriculum and Method Course Required for all certifications.
EDUC 369 C & M in Physical Education 3

This major, general studies, and teacher education to total 128 credit hours minimum. **A second certification in Health Education is strongly recommended.**

All students wishing to complete the sequence of courses leading to certification/licensure for teaching must be formally admitted to the Teacher Education Program. Please refer to the Teacher Education Student Policy Manual.

BACHELOR OF ARTS IN HEALTH EDUCATION GRADES PRE-K–ADULT

Sem. Hrs.

I. GENERAL STUDIES 45-47

II. REQUIRED (42 credit hours) Note: Students must earn an overall G.P.A. of 2.5 or higher for all courses listed in this section.
PSYC 101 Intro to Psychology 3
SDE 232 First Aid and Emergency Services 3
OR
SDE 252 Emergency Medical Technician..... 3
GERO 300 Prevention and Healthy Aging..... 3
OR
HE 370 Teaching Elementary Health Education..... 3

HE 150 Introduction to Health 3
HE 300 Nutrition and Fitness..... 3
HE 320 Mental Health and Drug Use and Abuse 2
HE 340 Human Sexuality and the Family..... 2
HE 360 Community and Environmental Health..... 3
HE 468 School Health: Instruction and Legalities 4
HE 470 Current Health Issues Seminar 1
PE 211 Gymnastics/Aerobics
OR
PE 101 Beginner Swim
AND
PE 117 Individual and Recreational Sports 2
PE 240 Anatomy and Physiology 3
PE 258 Motor Development 3
PE 236 Test, Measurements, and Research Design 2
PE 395 Kinesiology 3
PE 452 Adapted PE..... 2

Curriculum and Method Course required for all specializations.
EDUC 373 C & M in Health Education 3
A second certification in Physical Education is strongly recommended.

III. General studies, teacher education and electives to total ..... 128 hours.

BACHELOR OF SCIENCE IN EXERCISE PHYSIOLOGY

James Flarity, Co-Program Director
Richard West, Co-Program Director

Exercise Physiology Mission Statement

The goal of the Exercise Physiology Program at West Liberty University is to reflect those of the American Society of Exercise Physiologists (ASEP) as well as the American College of Sports Medicine (ACSM), while providing students with a solid foundation in factual and conceptual mastery of human movement study. The curriculum is designed to promote critical thinking skills, effective writing, clear articulation and presentation, and analytical skills that transcend the subject matter. Students are also encouraged to participate in, and learn to appreciate the application of scientific research to real world problems and/or service for the benefit of the community, with consideration of the moral and ethical issues involved. The program aims to develop well rounded individuals. Students will be equipped with the skills necessary to succeed in graduate school and/or professional fields of study, and will have a diverse array of options upon graduation.

Program Features: The Bachelor of Science degree in Exercise Physiology includes three components:

- General Studies requirement for the Bachelor of Science degree (48 hrs).
- Requirements for the Exercise Physiology program (63 hrs)
- Requirements for concentration areas (17-29 hrs)

During the course of Study in Exercise Physiology, the student will be exposed to classroom lectures, laboratory experiences, a research project, and a field internship.

Courses taken outside the department that provide the foundation for the Exercise Physiology curriculum include: chemistry, math, biology, computer science, business, physics, and psychology.

Admissions and Performance Standards: Any individual who has been admitted to West Liberty University as a student is eligible for admission into the program. Performance standards are the same as those set for all students attending West Liberty University. In order to remain in the Exercise Physiology program, students must maintain a 2.5 cumulative grade point average with at least a C average in all required coursework in the EP major component and concentration area.

Major Component
EP 125 Introduction to Exercise Physiology.....1
EP 299 Basic Strength and Conditioning 3
PE 395 Kinesiology 3
EP 325 Exercise Physiology I.....3
EP 326 Exercise Physiology I Lab.....1
EP 448 Exercise Physiology II 3
EP 449 Exercise Physiology II Lab.....1
EP 450 Biomechanics 3
EP 454 Cardiac Rehab.....3
EP 456 Cardiac Rehab Lab.....1
EP 455 Modifications of Exercise 3
EP 460 Theory of Testing, Prescriptions.....3
EP 462 Theory of Testing, Prescriptions Lab.....1
EP 480 Internship 6
SDE 232 First Aid and Safety.....3
OR
SDE 252 Emergency Medical Technician.....3
HE 300 Nutrition and Fitness.....3
PE 101 Beginner Swim (or PE 225 Lifeguarding) 1
PE 211 Group Fitness Leadership.....2
PE 240 Anatomy and Physiology 3
PE 258 Motor Development 3
PE 326 Tests, Measurements, and Research Design 2

GENERAL STUDIES (Exercise Physiology requirements)
Communications.....9
Fine Arts/Humanities 10
Natural Sciences/Mathematics.....11
BIO 124/125 OR 105/106 depending on Concentration area
CHEM 110/111 OR 100/101 depending on Concentration area
PHYS 101/110 OR 190/191 depending on Concentration area
MATH 145 AND/OR 160 depending on Concentration area
Social Science and History.....12
Business and Economics 3
GBUS 140
Wellness/Physical Education.....4

CONCENTRATION OPTIONS

The Exercise Physiology program requires a concentration of approved courses to fulfill the minor component requirements.

Other minor fields require consultation with, and approval of, the program coordinator, department chair, and advisor.

There are three approved concentration areas:

CLINICAL (24 credit hours)

PE 352 Sports Rehabilitation..... 2
BIO 210 Essential Biomedical Term. 3
BIO 302/303 Human Anatomy & Physiology I/Lab 4
BIO 328/334 Human Anat. & Physiology II/Lab..... 4
CHEM 112/113 General Chemistry II/Lab 4
PHYS 102/111 Elementary Physics II/Lab..... 4
PSYC 252 Life Span Development 3

HEALTH AND FITNESS (19 credit hours)

EP 342 Care & Prevention of Athletic Injuries 2
PE 352 Sports Rehabilitation..... 2
PSYC 252 Lifespan Development..... 3
HE 320 Mental Health and Drug Use and Abuse 2
HE 360 Community and Environmental Health..... 3
HE 470 Current Health Issues 1
EDUC 201 Human Development..... 3
EDUC 241 Intro to Exceptionalities 3

SPORT AND BUSINESS (28 credit hours)

PE 124 Intro to Sports Management 1
PE 322 Organization & Administration 1
PE 324 Practicum in Sports Information..... 2
COMM 211 Mass Communication Media 3
GBUS 344 Legal Bus. Environment I 3
ACC 224 Prin. of Financial Accounting..... 3
MKT 331 Principles of Marketing..... 3
MKT 340 Consumer Behavior 3
MGT 350 Principles of Management..... 3
MGT 470 Sports Management and Marketing 3
GBUS 280 Business Statistics 3

BACHELOR OF SCIENCE
ATHLETIC TRAINING

David Hanna, Program Director
Herb Minch, Clinical Coordinator

Athletic trainers have an important role in health care today. Athletic Trainers assist in the diagnosis, assessment, management, treatment, and rehabilitation of injuries and illnesses in physical, active people. Recognized by the American Medical Association as allied health professionals, athletic trainers work under the supervision of a physician and assist with the care and well-being of physically active people.

The Athletic Training Education Program at West Liberty University is designed to promote critical thinking skills, effective writing, clear articulation and presentation, and analytical skills that transcend the subject matter. Students are also encouraged to participate in, and learn to appreciate the application of scientific research to real world problems and/or service for the benefit of the community, with consideration of the moral and ethical issues involved. The program aims to develop well-rounded individuals, problem solvers and critical thinkers. Students will be educated in the necessary skills and competencies as set forth by the commission on Accreditation of Athletic Training Education (CAATE) to succeed as an allied health care professional in the field of athletic training.

Because the field of athletic training is continually growing and many athletic trainers pursue post-graduate degrees, the WLU ATEP offers two specific curricular tracks. One is aimed toward the student seeking a degree and employment in the profession of athletic training upon graduation. The other is a pre-professional track, which will help prepare students for graduate schools in many different health care professions such as physician assistant, physical therapy, occupational therapy, chiropractic, and medical schools, to name a few.

The goals of the WLU ATEP are:

1. To prepare students with the knowledge and expertise needed to successfully pass the National Board of Certification Examination, which is to be taken during the senior year or upon graduation.
2. Enable graduates to have the confidence and self awareness to realize they are capable to perform the job and responsibilities of an ATC in any work-related setting and provide them with the ability to critique and self-assess themselves while also providing constructive criticism to others in a professional manner to enhance the profession of Athletic Training.
3. To produce a graduate who is confident in his or her abilities as an Athletic Trainer without having the need to rely on others. Each student should possess the ability to be a self-taught learner, independent thinker, problem solver, and be able to represent the profession of Athletic Training in the utmost professional manner according to the Code of Ethic set forth by the NATA.

The following courses are to be completed during the freshman year (9 hours):

PE 240 Anatomy & Physiology/Lab.....3
SDE 232 First Aid & Emergency Services.....3
OR
SDE 252 EMT.....3
AT 100 Introduction to Athletic Training 2

The following courses are to be completed in the sophomore to senior years:

AT 200 Athletic Training Clinical Practicum I.....1
AT 205 Athletic Training Clinical Practicum II.....1
AT 220 Athletic Training Taping & Bracing 3
AT 225 Therapeutic Modalities 3
AT 300 Athletic Training Clinical Practicum III.....2
AT 305 Athletic Training Clinical Practicum IV 2
AT 330 Rehab. of Lower Extremity Athletic Injuries 3
AT 335 Rehab. of Upper Extremity Athletic Injuries 3
AT 340 Orthopedic Assessment of the Lower Body.....3
AT 345 Orthopedic Assessment of Upper Body.....3
AT 355 General Medical Conditions & Pharmacology in Athletic Training 3
AT 400 Athletic Training Clinical Practicum V 2
AT 405 Athletic Training Clinical Practicum VI 2
AT 410 Seminar in Athletic Training 2
AT 420 Athletic Training- A Problem Based Approach I 3
AT 425 Athletic Training- A Problem Based Approach II 3
AT 435 Administrative Aspects of Athletic Training 2
AT 445 Athletic Training Capstone.....3
EP 450 Biomechanics 3
PE 326 Tests, Measurements, & Research Design 2
PE 345 Exercise Physiology.....3
PE 395 Kinesiology 3

ATHLETIC TRAINING TRACK

The Athletic Training Education Program (ATEP) is designed to prepare those students for eligibility to sit for the National Board of Certification (BOC) exam upon successful completion of the undergraduate curriculum. Upon successful completion of the exam, the student can pursue employment in a wide variety of settings and practice as a nationally certified athletic trainer (ATC).

ATHLETIC TRAINING TRACK (12 hours)

Required hours..... 6
EP 299 Strength & Conditioning.....3
HE 300 Nutrition & Fitness 3

STUDENTS CHOOSE SIX (6) HOURS FROM THE FOLLOWING:

EP 455 Modification of Exercise.....3
EDUC 201 Human Development.....3
EDUC 207 Foundations of Education 3
SPED 241 Intro to Exceptionalities 3
PE 258 Motor Development 3
PE 354 Facilities Management in Sports & Physical Education 2
PE 355 Sport Law 2
PE 365 Psychology and Sociology of Phys. Education 2
PE 371 Compliance 2

PRE-PROFESSIONAL TRACK

The WLU ATEP offers a Pre-Professional track specifically designed for the student interested in pursuing a postgraduate degree in a health care related field. It includes courses, which will help the student fulfill most prerequisites for application to graduate programs such as, but not limited to physician assistant, physical therapy, occupational therapy, chiropractic, and even medical school. It is the students' responsibility to comply with the admission requirements from the graduate program with which they apply and assure that all prerequisites are met.

PRE-PROFESSIONAL TRACK (26 hours)

CHEM 112/113 General Chemistry II/Lab 4
BIO 302/303 Human Anatomy & Phys I/Lab 4
BIO 328/334 Human Anatomy & Phys II/Lab 4
PHYS 101/110 Elementary Physics I/Lab 4
PHYS 102/111 Elementary Physics II/Lab 4
MATH 145 Pre-Calculus 3
PSYCH 352 Lifespan Development 3

EXERCISE PHYSIOLOGY MINOR (27 hours)

PE 240 Anatomy & Physiology..... 3
PE 326 Tests, Measurements, and Research Design..... 2
EP 325 Exercise Physiology I..... 3
EP 326 Exercise Physiology I Lab..... 1
EP 448 Exercise Physiology II..... 3
EP 449 Exercise Physiology II Lab..... 1
EP 450 Biomechanics 3
EP 454 Cardiac Rehab..... 3
EP 456 Cardiac Rehab Lab..... 1
EP 455 Modifications of Exercise..... 3
EP 460 Theory of Exercise Testing & Prescription 3
EP 462 Theory of Testing, Prescriptions Lab..... 1

ATHLETIC COACHING
MINOR (25 hours)

REQUIRED HOURS: 19

HE 300 Nutrition and Fitness..... 3
PE 240 Anatomy & Physiology..... 3
PE 299 Basic Strength and Conditioning Principles..... 3
PE 320 Principles of Coaching..... 1
PE 355 Sport Law..... 2
PE 365 Psych and Soc of PE..... 2
PE 371 Compliance..... 2
PE 440 Coaching Internship (K credit) 3

STUDENTS MUST TAKE TWO (2) OF THE FOLLOWING COURSES:..... 2

PE 329 Coaching Golf I..... 1
PE 331 Coaching Baseball/Softball..... 1
PE 332 Coaching Football..... 1
PE 333 Coaching Volleyball 1
PE 334 Coaching Basketball.....
PE 335 Sports Officiating 1
PE 336 Coaching Wrestling..... 1
PE 337 Coaching Track & Field..... 1
PE 338 Coaching Tennis 1
PE 344 Coaching Soccer 1

REQUIRED ELECTIVES: Choose two (2) of the following courses..... 4

PE 324 Practicum in Sports Information..... 2
EP 342 Care and Prevention..... 2
EP 352 Sport Rehabilitation 2
PE 354 Facilities Management..... 2

HEALTH & FITNESS
MINOR (25 hours)

This minor is designed to provide students with the opportunity to gain knowledge and skills from a variety of courses in the areas of health, fitness, nutrition, anatomy and exercise physiology. The Health and Fitness minor will prepare students to pursue careers in health and fitness related fields in community or industrial settings. It will also help develop a pathway to graduate programs in disciplines such as sports medicine and health promotion. Additional classes may be required depending on the graduate program. The minor is intended to offer non education students from a variety of majors a degree in Health and Fitness.

REQUIRED HOURS: 21

SDE 232 First aid & Emergency Services..... 3
PE 211 Group Fitness Leadership..... 2
PE 240 Anatomy 3
PE 345 Physiology of Exercise.....3
EP 299 Basic Strength & Conditioning 3
HE 300 Nutrition & Fitness 3
HE 360 Community Health 3
HE 470 Current Health Issues 1

ELECTIVES: Minimum of 4 hours required

EP 242 Care and Prevention of Athletic Injuries.....2
EP 352 Sports Rehabilitation..... 2
HE 320 Mental Health and Drug Use and Abuse 2
HE 340 Human Sexuality and the Family..... 2
PE 258 Motor Development 3
PE 395 Kinesiology 3

The Gary E. West College of Business, in cooperation with the Department of Health & Human Performance, offers a B.S. Degree in Business Administration in the areas of:

- **Sports Management**

MASTER OF ARTS IN EDUCATION

West Liberty offers a 36 credit hour course of study leading to a Master of Arts in Education degree (M.A. Ed.). The Master of Arts in Education (M.A. Ed.) program is open to graduate level students and is designed to provide masters level work for individuals who wish to advance their professional knowledge, skills and dispositions in the areas of Advanced Teaching, Multi-Categorial Special Education, Technology Integration, Leadership Studies, and Sports Leadership and Coaching, Community Education, Entrepreneurship for Teaching, Advanced Special Education, and Master Teacher.

The course work includes eighteen (18) credit hours of common core (CORE) of education courses, twelve (12) credit hours of program emphasis courses fulfilling the requirements of one of three areas, and six (6) credit hours of approved electives.

THIS DEGREE DOES NOT LEAD TO INITIAL LICENSURE.

ADMISSIONS:
To ensure well-qualified candidates and competent graduates, the following qualifications for the Master of Arts in Education Degree Program have been established. For unconditional admission, the applicant must:

• Complete the application for the Master of Arts in Education

• Hold a baccalaureate degree with a minimum 2.50 G.P.A. from a regionally accredited institution

• Provide official transcripts for all undergraduate and graduate courses

• Have a combined score of 800 (Verbal and Quantitative) on the Graduate Record Examination (GRE) prior to November 2011, a combined score of 300 (Verbal and Quantitative) on the GRE if taken after November 2011, OR a scaled score of 378 on the Miller Analogies Test (MAT). International student applicants must submit updated GRE or MAT scores prior to admittance.

PROGRAMS OF STUDY PROGRAM OVERVIEW:

• 36 credit-hour Master of Arts in Education with content emphasis
• 18 credit-hours in a common core
• 12 credit-hours in an area of emphasis
• 6 credit-hours of electives
• Each area of emphasis will complete a capstone experience consisting of documentation of professional dispositions, a portfolio to demonstrate standards attained, and either an Action Research or a Student Thesis Project.
• Complete a Degree Plan prior to the completion of 18 credit hours with approval of graduate advisor.

COURSES IN THE COMMON CORE:
EDUC 502 Research/Professional Writing
EDUC 503 Technology Integration Education
EDUC 506 Motivation and the Development of Creativity
EDUC 512 Assessment, Analysis, and Evaluation
EDUC 553 Law and Liability
EDUC 581 Capstone Experience

AREAS OF EMPHASIS:
• ADVANCED TEACHING: This area is designed to help individuals examine and enhance professional practice. any individual involved in education (public and private sector) as part of their profession, may benefit from this track. Special emphasis is placed on educational philosophy and curriculum design.

• COMMUNITY EDUCATION: Aids individuals who seek to improve community relationships and community involvement in their organizations. Coursework includes program development evaluation, fundraising and development, non-profit management, and non-formal education models.

• ENTREPRENEURSHIP FOR TEACHING: The program is tailored to the interests and schedules of K-12 teachers who aim to introduce entrepreneurship studies into their classes. Individual course outcomes will consist of teachers developing appropriate lesson plans including entrepreneurial foundations, creativity, promotions, law and finance to be used in the classroom.

• LEADERSHIP STUDIES: Prepares professionals for key leadership positions, provide exemplary instruction and service, and conduct scholarly research that both advances theory and informs practice. This program will involve participants in the practice of being educational leaders.

• ADVANCED SPECIAL EDUCATION: This program is designed to enhance existing special education knowledge of the field and the intricacies of the discipline. Several elective areas are offered to further enhance the individuals' knowledge base.

• SPECIAL EDUCATION MULTI-CATEGORICAL CERTIFICATE: Permits teachers, with an existing certification and sufficient content in English, Reading, Mathematics, Science, or Social Studies, to acquire an additional endorsement. Candidates must fulfill all requirements se by the WVDE to be recommended for licensure.

• SPORTS LEADERSHIP AND COACHING: This area is for individuals working or desiring to work in school, university, and community sports programs. If offers the opportunity to enhance one's understanding of key issues involved in educational athletics and to further develop one's leadership and coaching skills.

• TECHNOLOGY INTEGRATION: Permits teachers to acquire skill sets in technology integration. School-based assignments and experiences are an integral part of this area of emphasis.

• MASTER TEACHER: The track is designed to either enhance a current teaching certification or introduce a non-certified individual to the educational field. The student is advised to take a combination of graduate and undergraduate coursework to seek certification and degree completion. The graduate coursework is strictly pedagogical in nature while the undergraduate piece focuses on a specific area of certification. The graduate portion of the coursework may stand alone as a progression toward a masters degree. In order to seek certification an undergraduate certification area must be specified.

COURSES IN EACH AREA OF EMPHASIS:

Advanced Teaching:
REQUIRED:
EDUC 520 Current Issues and Trends
EDUC 521 Educational Philosophy
Electives to total 12 hours:
ECUC 530 Techniques for English Language Learners
EDUC 532 Curriculum Design: Theory and Practice
EDUC 535 Arts Integration and Multi-Cultural Learning
EDUC 543 Flexible and Creative Learning Environments
EDUC 561 Comparative Education
EDUC 565 Poverty Studies and Student Achievement
SPED 549 Peer Tutoring in the Inclusive Classroom
SPED 562 Advanced Techniques in Orton-Gillingham

Community Education:
REQUIRED (Includes two forced elective courses):
EDUC 517 Non-Formal Education Models
EDUC 528 Non-Profit Management
EDUC 542 Flexible and Creative Learning Environments
EDUC 548 Program Development and Evaluation
EDUC 558 Fundraising and Development
EDUC 572 Internship

Entrepreneurship for Teaching:
REQUIRED (Includes one forced elective course):
EDUC 504 Foundations of Entrepreneurship
EDUC 505 Creative Problem Solving
EDUC 513 Entrepreneurial Promotions
EDUC 550 Entrepreneurship and Law
EDUC 560 Venture Finance and Analysis

Leadership Studies:
REQUIRED:
EDL 500 Leadership Theory
EDL 520 Human Resources and Personnel Issues
Choose two (2) from the following:
EDL 543 Policy and Governance in Higher Education
EDL 557 Creative Leaders and Innovative Thinkers
EDL 562 Data Driven Decision Making
OR
EDUC 548 Program Development and Evaluation
EDL 589 Community and Media Relations

Advanced Special Education:
REQUIRED:
SPED 532 Historical Perspectives and Case Law
Electives to total 12 hours:
SPED 544 Art, Disability and Therapy
SPED 549 Peer Tutoring in the Inclusive Classroom
SPED 560 Closing the Research to Practice Gap
SPED 562 Advanced Techniques in Orton-Gillingham
SPED 566 Applied Behavior Analysis in Special Education
SPED 574 Assistive Technology
SPED 576 Supervision and Mentoring of Special Education Teachers
SPED 577 Response to Intervention and Positive Behavior Support Plans

Special Education Multi-Categorical Certification:
REQUIRED:
READ 512 Advanced Reading Intervention
SPED 548 Advanced Assessment and Instruction ED/BD
SPED 551 Proactive Classroom Management
SPED 555 Advanced Assessment and Instruction LD/MI
Electives:
SPED 501 Autism I
SPED 502 Autism II
SPED 520 Collaborative Teaching
SPED 541 Characteristics of Students with Special Needs
SPED 580 Student Teaching in Special Education

Sports Leadership and Coaching:
SLC 500 Foundations of Coaching
SLC 520 Athletic Administration
SLC 530 Psychosociology of Sports
SLC 540 Conditioning Principles
Required Electives (6 credit hours):
SLC 550 Injury Prevention and Safety
EDL 520 Human Resources and Personnel Issues
OR
EDL 589 Community and Media Relations

Technology Integration:
EDUC 514 On-line Teaching and Learning
EDUC 524 Technology Systems: Human and Electronic
EDUC 534 Contemporary Applications of Educational Technology
EDUC 544 Collaborative Support For Technology Integration

Master Teacher:
REQUIRED:
EDUC 500 Advanced Human Development and Educational Psychology
EDUC 511 Instructional Design
SPED 520 Collaborative Teaching
SPED 541 Characteristics of Students with Special Needs
To finish certification (Secondary):
READ 302 Content Area Reading
EDUC 480 Methods and Materials Secondary Education
Student Teaching

CAPSTONE EXPERIENCE:

- After a student has completed all of the CORE courses and all but one of the other areas of emphasis and elective course, the student may enroll for the capstone course.
- The capstone course must be completed within a maximum of 12 months or the student with approval of one's advisor and the director of graduate education may sign up for the course a second time.
- The student must purchase LiveText ® online assessment management system from the Division of Professional Education. It will be valid for 12 months.
- The capstone course will consist of three parts for all MA Ed students.
    1. Portfolio – It will be completed on LiveText ® following a basic template to post information. The information will be aligned with NBPTS, ITES, or CEC standards.
    2. Disposition Paper – Employer evaluation of student's professional dispositions.
    3. Graduate/Master Project – It will be completed on LiveText ® following a basic template to post information. The student will have a choice of completing an Action Research Project or a Senior Thesis Project. The project must have the course instructor's approval prior to beginning the project.

College of Liberal Arts

Programs Offered by the

COLLEGE OF LIBERAL ARTS

DEPARTMENT OF HUMANITIES

Bachelor of Arts in English:
Majors: Literature
Graphic Narrative
Rhetoric and Writing

Bachelor of Arts in Education in English
** Certification: English 5-9*

DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

Bachelor of Science in Criminal Justice

Bachelor of Arts or Bachelor of Science in Psychology

Bachelor of Arts in Education - Social Studies Comprehensive
** Certification: Social Studies 5-9*

Bachelor of Arts or Bachelor of Science in Social Science
Majors: Appalachian Studies
Geography
History
Interdisciplinary Pre-Law
International Studies
Political Science
Sociology

Bachelor of Social Work

Minors: *Appalachian Studies, Cultural Landscapes, Geography, History, Interdisciplinary Pre-Law, International Studies, Medieval Studies, Physical Landscapes, Psychology, Sociology, Social Work*

** Must be added to a 5-Adult Teacher Education or Elementary Education degree. Not a stand-alone certification.*

COLLEGE OF LIBERAL ARTS

Robert Kruse, Ph.D., Interim Dean

DEPARTMENT OF HUMANITIES

Dr. A. Waller Hastings, Chairperson

ENGLISH

Based on the belief that language and literature studies lead to a fuller appreciation of life and human values, the English program is designed to familiarize students with human experience as recorded in the literary achievements of American, British, Continental, and non-Western writers. The program also helps students develop analytical and expressive skills vital to clear, correct, and concise communication.

Since language and literature embrace the entire realm of human experience, students who wish to specialize in English should possess intellectual curiosity, a capacity to analyze and synthesize experiences, a desire to communicate ideas effectively, and a respect for scholarship. Minors should differ from majors not in their ability to think, speak, and write creatively and critically, but in their exposure to the full sweep of literary tradition.

BACHELOR OF ARTS IN ENGLISH LITERATURE MAJOR

.

I. GENERAL STUDIES 63

II. REQUIRED COURSES 22
- ENG 204 British Literature Through the 18th Century...3
- ENG 205 American Literature Before the Civil War.....3
- ENG 214 British Literature After the 18th Century.....3
- ENG 215 American Literature After the Civil War.....3
- ENG 311 Shakespeare.....3
- ENG 385 Advanced Composition.....3
- ENG 490 World Literature I 3
  OR
- ENG 492 World Literature II 3
- ENG 495 English Liberal Arts Senior Seminar 1

III. ENGLISH ELECTIVES 15*
*Any five English courses except 101 and 102, three of which must be 300-level or above.

IV. RESTRICTED ELECTIVES 3
- ENG 275 Structure of English 3
- ENG 276 Linguistics and History of Language.....3
- ENG 395 Literary Criticism.....3

V. SECOND FIELD OF STUDY AND/OR ELECTIVES TO TOTAL.....128 Sem. Hrs.

BACHELOR OF ARTS IN ENGLISH RHETORIC AND WRITING MAJOR

.

I. GENERAL STUDIES 63

II. REQUIRED COURSES 29
- ENG 274 Technical Writing.....3
- ENG 275 Structure of English.....3
- ENG 276 Linguisitics and History of English 3
- ENG 360 Creative Writing: Prose 3
- ENG 361 Creative Writing: Poetry 3
- ENG 385 Advanced Composition 3
- ENG 495 English Liberal Arts Senior Seminar 1
- ENG 479 Special Problems 1
- COM 203 Argumentation and Debate.....3
- COM 434 Desktop Publishing.....3
- PHIL 210 Logic and Critical Thinking.....3

III. ENGLISH ELECTIVES..... 24*
*Any eight English courses except 101 and 102, four of which must be 300-level or above.

IV. RESTRICTED ELECTIVES 12
- COM 231 News Writing and Reporting.....3
- COM 232 Broadcast News Writing 3
- COM 233 History and Survey of Journalism.....3
- COM 322 Writing for Radio and Television 3
- COM 332 Feature Writing.....3
- COM 333 Editorial Writing 3
- COM 477 Genre Writing 3
- FREN 303 Advanced French Grammar & Writing 3
- BUS 222 Business Communications I 3
- BUS 322 Business Communications II 3
- PS 305 Essentials of Professional Grant Writing.....3
- PS 308 Rhetoric and Reasoning for Professionals.....3

V. SECOND FIELD OF STUDY AND/OR ELECTIVES TO TOTAL.....128 Sem. Hrs.

BACHELOR OF ARTS IN ENGLISH GRAPHIC NARRATIVE MAJOR

I. GENERAL STUDIES 63

II. REQUIRED COURSES 46
English/Fine Arts Core:
- ENG 220 Principles of Graphic Narrative 3
- ENG 221 History of Sequential Art 3
- ART 104 Drawing I.....3
- ART 204 Drawing II.....3
- ART 110 Design I 3

English Core:

ENG 200 Introduction to Literary Study.....3
ENG 204 British Lit Through the 18th Century.....3
ENG 205 American Lit Before the Civil War 3
ENG British Lit After the 18th Century 3
ENG American Lit After the Civil War 3
ENG 311 Shakespeare.....3
ENG 360 Creative Writing - Poetry.....3
OR
ENG 361 Creative Writing - Prose.....3
ENG 323 Writing for Comics.....3
ENG 412 Topics in Graphic Literature 6*
ENG 495 Senior Seminar 1

III. ELECTIVES TO TOTAL .....128 hrs.

* Students in this major must take ENG 412 at least twice under different topic headings.

ENGLISH Minor

REQUIRED COURSES 19

ENG 204 British Literature Through the 18th Century...3
ENG 205 American Literature Before the Civil War.....3
ENG 214 British Literature After the 18th Century.....3
ENG 215 American Literature After the Civil War.....3
ENG 311 Shakespeare.....3
ENG 385 Advanced Composition.....3
ENG 495 English Liberal Arts Senior Seminar 1

ENGLISH ELECTIVES 6*

*Any two upper-level English courses.

ENGLISH TEACHER EDUCATION

If Teacher Education degree candidates elect to specialize in English, they follow a course of study which the English faculty has determined will best help them to meet their responsibilities as English teachers. Each of the specific programs (5-Adult, 5-9) is designed to help students meet the following goals as teachers: (1) to understand the structure of language and the dynamics of communication; (2) to acquire a knowledge of language and composition that enables them to speak and write correctly and effectively; and (3) to recognize that literature provides vicarious pleasures and intellectual stimulation because it brings them into contact with the dreams, hopes, achievements, and failures of many cultures.

Students completing the English 5-Adult and English 5-9 teacher education programs are required to attain a minimum G.P.A. of 2.50 in the program with at least a “C” in each course in the program. (Program means the courses listed on the curriculum summary sheet filed with the State Department of Education with the exclusion of the listed Education Curriculum and Methods course).

BACHELOR OF ARTS IN EDUCATION: ENGLISH

I. GENERAL STUDIES 45-47

II. REQUIRED COURSES.....51

ENG 204 British Literature Through the 18th Century...3
ENG 214 British Literature After the 18th Century.....3
ENG 205 American Literature Before the Civil War.....3
ENG 215 American Literature After the Civil War.....3
ENG 261 Approaches to Teaching Literature 3
ENG 311 Shakespeare.....3
ENG 315 Women and Minority Writers 3
ENG 320 Young Adult Literature.....3
ENG 490 World Literature I 3
OR
ENG 492 World Literature II 3
Literature Electives 6
(Any two 300- or 400-level literature courses)
ENG 275 Structure of English 3
ENG 276 Linguistics and History of English.....3
ENG 360 Creative Writing – Poetry.....3
OR
ENG 361 Creative Writing – Prose.....3
ENG 385 Advanced Composition.....3
ENG 400 Theory and Practice of Teaching Composition.....3
ENG 450 Curriculum & Methods in English.....3

III. PROFESSIONAL EDUCATION COMPONENT 41

Students should consult the Professional Education component section of the University catalog under the College of Education.

IV. ELECTIVES AND/OR OPTIONAL SECOND SPECIALIZATION TO TOTAL .....128 Sem. Hrs.

ENGLISH 5-9 CERTIFICATION

I. GENERAL STUDIES 45-47

II. REQUIRED COURSES.....45

ENG 204 British Literature Through the 18th Century...3
ENG 205 American Literature Before the Civil War.....3
ENG 214 British Literature After the 18th Century.....3
ENG 215 American Literature After the Civil War.....3
ENG 261 Approaches to Teaching Literature 3
ENG 315 Women and Minority Writers 3
ENG 320 Young Adult Literature.....3
ENG 311 Shakespeare.....3
OR
ENG 490 World Literature I 3
OR
ENG 492 World Literature II 3
ENG 275 Structure of English 3
ENG 276 Linguistics and History of English..... 3
ENG 360 Creative Writing – Poetry..... 3
OR
ENG 361 Creative Writing – Prose..... 3
ENG 385 Advanced Composition..... 3
ENG 400 Theory and Practice of Teaching Composition 3
ENG 450 Curriculum & Methods in English..... 3
Literature Elective (Any upper-level literature course).. 3

III. PROFESSIONAL EDUCATION COMPONENT 44

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program.

For information about Professional Education, please turn to page 48.

IV. FIRST SPECIALIZATION AND ELECTIVES TO TOTAL .....128 Sem. Hrs.

SIGMA TAU DELTA

Upper-class English majors and minors who qualify scholastically and who demonstrate interest "in promoting the mastery of written expression, encouraging worthwhile reading and fostering a spirit of fellowship" are invited to join Sigma Tau Delta, the National English Honor Society. In addition to recognizing students of merit, Sigma Tau Delta sponsors forums, poetry readings, discussions, and social gatherings of the English faculty and students. The Society also encourages writing on our campus through its support of campus publications and through the publication of *Ampersand*, West Liberty's literary magazine.

FOREIGN LANGUAGES

Foreign language courses are used by a large number of West Liberty students to meet graduation requirements. Bachelor of Arts degree-seeking students must acquire 12 semester hours in a single foreign language, while students in Bachelor of Science degree programs may use a foreign language course to satisfy part of the Fine Arts and Humanities component of the General Studies requirements. In addition to the language minors, students may take courses in Russian.

FRENCH Minor

REQUIRED COURSES..... 24

FREN 101 Beginning French I..... 3
FREN 102 Beginning French II..... 3
FREN 201 Intermediate French I 3
FREN 202 Intermediate French II..... 3
FREN 303 Advanced French Grammar and Writing 3
FREN 340 French for Foreign Affairs 3
Electives in French 6

SPANISH Minor

REQUIRED COURSES..... 24

SPAN 101 Beginning Spanish I..... 3
SPAN 102 Beginning Spanish II..... 3
SPAN 201 Intermediate Spanish I..... 3
SPAN 202 Intermediate Spanish II..... 3
SPAN 301 Conversation & Composition I 3
SPAN 302 Conversation & Composition II 3
Electives in Spanish 6

TEACHING ENGLISH AS A SECOND LANGUAGE (TESL) Minor

REQUIRED COURSES..... 15

ENG 275 Structure of English 3
ENG 276 Linguistics and the History of English 3
LING 285 Intro to Second Language Acquisition..... 3
LING 315 Sociolinguistics..... 3
ENG 410 Methods of Teaching Foreign Language..... 3

PHILOSOPHY Minor

REQUIRED COURSES..... 18
PHIL 201 Introduction to Philosophy 3
Electives in Philosophy..... 15

RELIGION Minor

REQUIRED COURSES..... 18
REL 250 Religions of the World..... 3
REL 301 Literature of the Hebrew Bible 3
OR
REL 310 New Testament Literature..... 3
Electives in Religion 12

WRITING Minor

REQUIRED COURSES..... 18
ENG 274 Technical Writing..... 3
ENG 360 Creative Writing – Poetry..... 3
ENG 361 Creative Writing – Prose..... 3
ENG 385 Advanced Composition..... 3
ENG 395 Literary Criticism..... 3
COM 434 Desktop Publishing 3

RESTRICTED ELECTIVE: **3**
ENG 400 Theory and Practice of
Teaching Composition.....3
ENG 478 Special Topics in Writing.....3
COM 231 News Writing and Reporting 3
COM 332 Feature Writing.....3
COM 333 Editorial Writing.....3
GBUS 322 Business Communications.....3
PHIL 210 Logic and Critical Thinking.....3
THE 360 Playwriting–The One Act Play.....3

DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

Dr. Tammy McClain, Interim Chairperson

The Department of Social and Behavioral Sciences offers bachelors degree programs in criminal justice, psychology, social work, and the social sciences with majors in Appalachian studies, geography, history, interdisciplinary pre-law, international studies, political sciences and sociology. The department also offers minors in these fields that complement many other degree programs offered at WLU.

Each of the degree programs helps students to develop critical and reflective understandings of past, present and future societal conditions.

BACHELOR OF ARTS IN EDUCATION: SOCIAL STUDIES COMPREHENSIVE

Social Studies 5-Adult students must achieve a 2.5 G.P.A. in the social studies program and must earn a grade of "C" or better in each content course taken.

I. GENERAL STUDIES 45-47

II. REQUIRED COURSES.....51
- ECON 101 Principles of Macroeconomics.....3
- ECON 102 Principles of Microeconomics.....3
- GEO 205 Introduction to Geography 3
- GEO 206 World Regional Geography 3
- GEO 310 Geography of U.S. and Canada 3
- HIST 103 History of Civilization I 3
- HIST 104 History of Civilization II 3
- HIST 210 United States History to 1876.....3
- HIST 211 United States History Since 1876 3
- HIST 302 West Virginia and the Appalachian Region ...3
- POLS 101 Basic Concepts in Politics and Govern. 3
- POLS 201 American Government 3
- POLS 202 American State and Local Government 3
- PSYC 101 Intro to Psychology 3
- PSYC 225 Psych. of Childhood and Adolescence 3
- SOC 150 Basic Concepts of Sociology 3
- SWK 201 Ethnicity, Diversity and Cultural Awareness ...3

III. HISTORY ELECTIVES..... 9
Any three upper level history courses provided that at one must be American and another, non-American.

IV. SOCIAL AND BEHAVIORAL SCIENCE ELECTIVES 12
Any three upper level courses in Geography, History, Political Science, Psychology or Sociology, no more than one from a single discipline.

V. PROFESSIONAL EDUCATION COMPONENT, WHICH INCLUDES EDUC 356

Please consult the Professional Education section on page 48.

VI. ELECTIVES TO TOTAL..... 128 Sem. Hrs.

SOCIAL STUDIES FOR CERTIFICATION 5-9

Social Studies 5-9 students must achieve a 2.5 G.P.A. in the social studies program and must earn a grade of "C" or better in each content course taken.

I. GENERAL STUDIES 45-47

II. REQUIRED COURSES.....30
- ECON 101 Principles of Macroeconomics 3
- ECON 102 Principles of Microeconomics.....3
- GEO 205 Introduction to Geography.....3
- GEO 206 World Regional Geography 3
- HIST 103 History of Civilization I 3
- HIST 104 History of Civilization II 3
- HIST 210 United States History to 1876.....3
- HIST 211 United States History Since 1876 3
- HIST 302 West Virginia and the Appalachian Region ..3
- POLS 201 American Government 3

III. PROFESSIONAL EDUCATION COMPONENT WHICH INCLUDES EDUC 293 AND EDUC 356

Please see Secondary Education Polices on page 79.

IV. SECOND FIELD AND ELECTIVES TO TOTAL..... 128 Sem Hrs.

BACHELOR OF ARTS OR BACHELOR OF SCIENCE IN SOCIAL SCIENCE

I. GENERAL STUDIES ..... 63 or 48
(Students must complete the general studies requirements for the degree selected)

II. REQUIRED COURSES.....26
- GEO 205 Introduction to Geography.....3
- GEO 206 World Regional Geography 3
- HIST 104 History of Civilization II 3
- HIST 211 United States History Since 1876.....3
- POLS 101 Basic Concepts in Politics and Gov. 3
- POLS 201 American Government 3
- SOC 150 Basic Concepts of Sociology 3
- SS 101 Portfolio.....1
- SS 480 Social Science Capstone.....1

One upper-level social science course in discipline other than major.....3

III. SOCIAL SCIENCE MAJORS

(Students must choose a major from the following):

A. APPALACHIAN STUDIES.....27
ENG 230, GEO 307, GEO 310, HIST 302, POLS 315, SWK 316, SOC 250, and six (6) hours of electives in social sciences or humanities

B. GEOGRAPHY.....27
GEO 302, 306, 310 or 320 or 330 or 340 or 350, 400, and six (6) hours of electives in Human Geography and six (6) credits of electives in Physical Geography. Any upper-level geography course (3 hrs.).

C. HISTORY 27
HIST 103, 210, six (6) upper-level electives in U.S. History, six (6) upper-level electives in European History, six (6) upper-electives in Non-Western/Global History. three (3) credits any upper-level elective course in history.

D. INTERDISCIPLINARY PRE-LAW 27
ENG 385; COM 203; PHIL 310; POLS 420, 441, 442, 450 (Internship 6 hours).

E. INTERNATIONAL STUDIES 27
ECON 409, ENG 492, GEO 310 OR 320 OR 330 OR 340, OR 350, HIST 319 OR 337 OR 341 OR 372 OR 385, four (4) courses from the following: ART 341, 342, 343, 325, GBUS 325, ENG 392, HIST 319, 337, 341, 372, 385, 426, GEO 371, REL 350, SS 478, SS 250.

F. POLITICAL SCIENCE.....27
POLS 202, 303, 304, 324, 419, 420, 426, SS 250, and three (3) upper-level political science elective.

G. SOCIOLOGY.....27
SWK 201, SOC 350, 416, 440, SS 250, and twelve (12) hours of electives in sociology.

A second major or a minor field may be selected but is not required. Students selecting a minor field may not choose the same discipline as their major.

IV. ELECTIVES TO TOTAL..... 120 SEM. HRS.

CRIMINAL JUSTICE

The hallmark of the Criminal Justice Program is its flexibility. Building on a core of courses in history, theory, current events, criminal justice systems, law, and treatment intervention, the student may, with advisor approval, elect course work specifically directed toward his/her career goals and plans. The program provides, through its electives, specialties in law enforcement, corrections, probation, parole, and private security.

BACHELOR OF SCIENCE: CRIMINAL JUSTICE

I. GENERAL STUDIES 48

II. REQUIRED COURSES.....42
- CJ 152 Introduction to Criminal Justice.....3
- CJ 236 Criminology 3
- CJ 238 Juvenile Delinquency and Justice.....3
- CJ 281 Contemporary Corrections.....3
- CJ 302 Ethics in Criminal Justice 3
- CJ 303 Criminal Law 3
- CJ 452 Criminal Procedure 3
- CJ 480 Contemporary Law Enforcement 3
- CJ 483 Field Placement in Crim. Justice.....6
- CJ 485 Senior Seminar in Criminal Justice 3
- SOC 320 Victimology 3
- SOC 416 Research Methods in Sociology 3

III. RESTRICTED ELECTIVES.....12
Courses must be approved by advisor and should be 300 or 400 level.

IV. ELECTIVES to total ..... 120 Sem. Hrs.

CRIMINAL JUSTICE Minor
Available in conjunction with a B.S. degree only

REQUIRED COURSES.....18
- CJ 152 Introduction to Criminal Justice.....3
- CJ 236 Criminology I: History and Causes of Criminal Behavior.....3
- CJ 281 Contemporary Corrections.....3
- CJ 302 Ethics in Criminal Justice 3
- CJ 303 Criminal Law 3
- CJ 480 Contemporary Law Enforcement 3

SOCIAL WORK

Dr. Sylvia Hawranick Senften, Program Director

The Bachelor of Social Work Degree Program is designed to produce graduates who are well prepared to enter the work force as generalist social work practitioners.

Students must maintain at least a 2.5 G.P.A. in all required work courses.

Students must maintain at least a 2.0 overall G.P.A..

Students must receive a letter grade of “C” or better in SWK 200 and SWK 201.

The admission and retention process for the Social Work program consists of three stages:

1) **Pre-Admission:** The first part of the social work education admission and retention process takes place when the prospective student applies for admission to West Liberty University and indicates that he/she is interested in pursuing a social work major or when the student changes his/her major to social work from another major.

2) **Formal Admission into the WLU Social Work Program:** Students who have completed the requirements for admission using the application form found in the WLU Social Work Program Manual, which is posted on Sakai. Students may also obtain the Program Manual from the Social Work Program Director. The criteria for admission are listed in the annual Program Manual. Students who are not formally admitted tot he Social Work Program **MAY NOT** continue taking 300/400 level Social Work courses. Students **MAY** reapply to the major or request a review and petition for provisional admission.

3) **Permission to begin the Field Placement:** Students must apply to enter the Field Placement. Regular evaluation by the Field Education Coordinator will occur during the entire placement. Students may not repeat the Field Placement if they are removed from the Field Placement Agency at the request of the agency or by the Social Work program for violations of the NASW Code of Ethics, or for Field Placement Agency and/or Social Work Program policies.

BACHELOR OF SOCIAL WORK

I. GENERAL STUDIES 48
Students will complete general studies courses in accordance with requirements for the Bachelor of Science degree.

II. REQUIRED COURSES 63
- ECON 101 Principles of Macroeconomics 3
- PSYC 101 Intro to Psychology 3
- SOC 150 Basic Concepts of Sociology 3
- SWK 200 Intro to Social Work & Social Welfare 3
- SWK 201 Ethnicity, Diversity and Cultural Awareness 3
- POLS 201 American Government 3
- SS 250 Statistics in the Social and Behavioral Sciences 3
- SWK 300 Social Welfare Policies and Services 3
- SWK 304 Growth and Personal Awareness 3
- SWK 306 Counseling Theories 3
- SWK 310 Social Work Research Methods 3
- SWK 400 Social Work Practice I 3
- SWK 401 Social work Practice II 3
- SWK 402 Social Work Practice III 3
- SWK 416 Human Behavior and the Social Environment I 3
- SWK 417 Human Behavior and the Social Environment II 3
- SWK 480 Social Work Placement 9
- SWK 484 Social Work Field Placement Seminar 3
- HIST 302 West Virginia and the Appalachian Region ..3

III. RESTRICTED ELECTIVES 9
Must be upper level courses approved by the advisor.

IV. ELECTIVES TO TOTAL ..... 120 Sem Hrs.

PSYCHOLOGY

The Department of Social and Behavioral Sciences at West Liberty University provides a quality undergraduate psychology program. The curriculum is designed to provide students with a strong liberal arts foundation, which will prepare them to succeed in the workplace and graduate school.

BACHELOR OF ARTS
PSYCHOLOGY MAJOR

I. GENERAL STUDIES 63

II. REQUIRED COURSES 15
- PSYC 101 Intro to Psychology 3
- SS 250 Statistics in Social & Behavioral Sciences 3
- PSYC 301 Experimental Psychology 3
- PSYC 321 Psychology of Personal Growth 3
- PSYC 475 Current Issues in Psychology 3

III. AREAS OF CONCENTRATION AND PSYC ELECTIVES 18

One course from each concentration.

A. Social-Industrial 3
- PSYC 405 Forensic Psychology 3
- PSYC 414 Consumer Psychology 3
- MKT 340 Consumer Behavior 3
  OR
- PSYC 415 Industrial/Organizational Psychology 3
- PSYC 416 Social Psychology 3
- SWK 416 Human Behavior in the Social Environment 3

B. Developmental-Personality 3
- PSYC 225 Psychology of Childhood & Adolescence ... 3
- PSYC 320 Psychology of Adulthood & Old Age 3
- PSYC 322 Personality Psychology 3

C. Experimental 3
- PSYC 335 Introduction to Learning 3
- PSYC 336 Sensation & Perception 3
- PSYC 437 Cognitive Psychology 3
- PSYC 439 Physiological Psychology 3

D. School-Clinical 3
- PSYC 345 Psychological Tests & Measurements 3
- PSYC 341 Psychology of Abnormal Behavior 3
- SWK 441 Diagnosis in Mental Health 3
- PSYC 446 Clinical Psychology & Psychotherapy 3
- SWK 306 Counseling Theories 3
- PSYC 409 History of Psychology 3

E. Electives in Psychology 6

IV. ELECTIVES TO TOTAL ..... 120 Sem Hrs.

BACHELOR OF SCIENCE
PSYCHOLOGY MAJOR

I. GENERAL STUDIES 48

II. PSYCHOLOGY CORE A 19

Successful completion required for admission to the program.

PSYC 100 Intro to Professional Psychology 3
PSYC 225 Psychology of Childhood and Adolescence.....3
SS 250 Statistics in Social & Behavioral Sciences.....3
PSYC 301 Experimental Psychology 3
PSYC 320 Psychology of Adulthood and Old Age 3
PSYC 322 Personality Psychology.....3
PSYC 341 Psychology of Abnormal Behavior 3

Completion of ENG 101, ENG 102, COM 101 and MATH 160 or 140 or 145 or 210 with grade of C or better, completion of Core A, minimum overall G.P.A. of 2.5 and minimum grade of C in all PSYC courses required for admission to program.

III. PSYCHOLOGY CORE B 27

Admission to the program required.

PSYC 321 Psychology of Personal Growth.....3
PSYC 335 Introduction to Learning.....3
PSYC 336 Sensation & Perception 3
PSYC 345 Psychological Tests & Measurements 3
PSYC 416 Social Psychology.....3
PSYC 437 Cognitive Psychology.....3
PSYC 439 Physiological Psychology 3
PSYC 446 Clinical Psychology and Psychotherapy.....3
PSYC 475 Current Issues in Psychology 3

IV. RESTRICTED ELECTIVES 9

EDUC 301 Educational Psychology 3
PSYC 252 Lifespan Development 3
PSYC 405 Forensic Psychology.....3
PSYC 409 History of Psychology 3
PSYC 414 Consumer Psychology.....3
PSYC 415 Industrial/Organizational Psychology.....3
PSYC 461 Practicum in Organizations.....1-6
PSYC 462 Practicum in Developmental Psychology..1-6
PSYC 463 Practicum in Research Project 1-6
PSYC 464 Practicum in Human Services.....1-6
SOC 416 Research Method in Sociology 3

Grade of C or better required in all PSYC courses for completion of the program.

V. ELECTIVES TO TOTAL ..... 120 Sem Hrs.

APPLALACHIAN STUDIES
Minor

REQUIRED COURSES.....15

ENG 230 Appalachian Literature 3
HIST 302 West Virginia and the Appalachian Region ..3
GEO 205 Introduction to Geography 3
GEO 307 Environmental Issues in Appalachia.....3
SWK 316 Social Welfare in Appalachia 3
Upper-level course in the social sciences or humanities 3

CULTURAL LANDSCAPES
Minor

REQUIRED COURSES.....15

GEO 311 Population Geography 3
GEO 400 Cultural Geography.....3
GEO 403 Geographies of Popular Culture 3
GEO 404 Urban Geography 3
Upper-level elective in geography 3

GEOGRAPHY
Minor

REQUIRED COURSES.....15

GEO 205 Introduction to Geography.....3
GEO 206 World Regional Geography 3
GEO 306 Physical Geography 3
GEO 400 Cultural Geography.....3
Electives in Geography.....3

HISTORY
Minor

REQUIRED COURSES.....21

HIST 103 and 104 World Civilization I, II.....6
HIST 210 and 211 U.S. History I, II 6
Electives in History 9

INTERDISCIPLINARY PRELAW
Minor

REQUIRED COURSES.....30

ENG 274 Technical Writing.....3
ENG 385 Advanced Composition & Grammar 3
COM 203 Argumentation & Debate.....3
PHIL 210 Logic and Critical Thinking.....3
POLS 101 Basic Concepts in Politics & Government...3
POLS 201 American Government 3
POLS 202 American State & Local Government.....3
POLS 303 International Relations 3

POLS 441 American Constitutional Law.....3
POLS 442 Liberty and Law.....3

• **JUDITH A HERNDON LEGISLATIVE FELLOWS PROGRAM** is an internship sponsored by the West Virginia Legislature for full-time undergraduate students of all majors and disciplines. The Program provides an opportunity for a limited number of students to participate in a 16-week assignment with the Legislature, beginning in January. It is offered for K credit.

• **FRASURE-SINGLETON LEGISLATIVE INTERNSHIP** is sponsored by the West Virginia Legislature; it provides students with the opportunity to observe the lawmaking process for one week during the legislative session. It is offered for K credit.

• **PRE-LAW INTERNSHIP (POLS 450).** Placement of pre-law students in the law office; provides interns with an opportunity to do legal research, synthesize theory with practice. It is offered for six hours of K credit.

INTERNATIONAL STUDIES
Minor

REQUIRED COURSES.....6
GEO 206 World Regional Geography.....3
POLS 303 International Relations.....3

RESTRICTED ELECTIVES.....15
GBUS 325 International Business.....3
ECON 311 Comparative Economics.....3
ECON 409 International Economics.....3
ENG 490 World Literature.....3
HIST 319 Twentieth Century Europe.....3
HIST 341 Twentieth Century Russia.....3
HIST 371 South and Southeast Asian History.....3
HIST 373 East Asian History.....3
HIST 385 History of Africa.....3
POLS 324 Politics of Development.....3
POLS 426 Twentieth Century U.S. Foreign Policy.....3
REL 250 Religions of the World.....3
SS 478 Special Topics.....3

MEDIEVAL STUDIES
Minor

REQUIRED COURSES.....9
ART 341 History of Western Art II.....3
ENG 309 Chaucer.....3
HIST 309 Medieval History 325-1520.....3

RESTRICTED ELECTIVES.....6
HIST 312 Viking History.....3
HIST 331 History of the British Isles to 1688.....3
HIST 451 Ancient and Medieval Gender.....3
LING 271 Basic Latin.....3
OR
Upper-level courses in art, history, and English by permission.

PHYSICAL LANDSCAPES
Minor

REQUIRED COURSES.....15
GEO 303 Practical Application of GIS.....3
GEO 306 Physical Geography.....3
GEO 317 Geographies of Disaster.....3
GEO 405 Environmental Geography.....3
Upper-level elective in geography.....3

POLITICAL SCIENCE
Minor

REQUIRED COURSES.....21
POLS 201 American Government.....3
POLS 202 American State and Local Government.....3
POLS 303 International Relations.....3
POLS 304 Comparative Politics.....3
POLS 324 Politics of Development.....3
OR
POLS 425 Twentieth Century U.S. Foreign Policy.....3
POLS 420 Modern Political Thought.....3
Electives in Political Science.....3

PSYCHOLOGY
Minor

REQUIRED COURSES.....18
PSYC 101 Intro to Psychology.....3
Psychology Electives.....15

SOCIOLOGY
Minor

REQUIRED COURSES.....15
SOC 150 Basic Concepts of Sociology.....3
Electives in Sociology.....12

SOCIAL WORK
Minor

REQUIRED COURSES.....15
SWK 200 Introduction to Social Work.....3
SWK 201 Ethnicity, Diversity and Cultural Awareness.....3
SWK 300 Social Welfare Policies & Services.....3
SWK 304 Growth and Personal Awareness.....3
SWK 400 Social Work Practice I.....3

College of Sciences

Programs Offered by the

COLLEGE OF SCIENCES

Bachelor of Science in Biology

Majors:

WLU/WVU Dental Early Admission Program (DEAP)
Ecology, Evolution, and Organismal Biology
General Biology
Microbiology
Pre-Medicine
Pre-Professional
Environmental Stewardship and Education

Bachelor of Science in Chemistry
Bachelor of Arts in Education in Biology
Bachelor of Arts in Education in Chemistry
Bachelor of Arts in Education in General Science

******* *Certification: General Science 5-9*

Associate in Science in Dental Hygiene
Bachelor of Science in Dental Hygiene

Bachelor of Science in Mathematics
Bachelor of Arts in Education in Mathematics

******* *Certification: Mathematics 5-9*

Bachelor of Science in Medical Laboratory Science
Bachelor of Science in Nursing
Bachelor of Science in Speech Pathology-Audiology

Pre-Professional Preparation For:

Dental School
Engineering
Graduate School
Medical / Osteopathic School
Optometry School
Pharmacy School
Physical Therapy
Physician Assistant
Speech Pathology / Audiology
Veterinary Science School

Minors: *Biology, Chemistry, Mathematics*

Master of Science in Physician Assistant Studies

** Must be added to a 5-Adult Teacher Education or Elementary Education degree. Not a stand-alone certification.*

COLLEGE OF SCIENCES

Robert Kreisberg, Ph.D., Dean

The College of Sciences is committed to providing a high quality undergraduate educational experience to those students seeking degrees offered within its two departments. The administrative offices, classrooms and laboratories are located in Arnett Hall and Main Hall. Arnett Hall houses the programs of Biology and Chemistry, and Main Hall houses the programs of Dental Hygiene, Mathematics, Physics and Physical Science, Medical Laboratory Science, Nursing, and Speech Pathology-Audiology.

A Bachelor of Science degree can be earned in Biology, Chemistry, Dental Hygiene, Mathematics, Medical Laboratory Science, Nursing, and Speech Pathology and Audiology. In addition to general classes, which are open to all students, the College of Sciences offers teacher education programs that may be designated in Biology, Chemistry, General Science, and Mathematics. A student may also pursue the Associate in Science in Dental Hygiene. Students pursuing one of the teaching specializations must consult an advisor in the specialization and in the Department of Professional Education. To obtain information related to a specific program, interested students should contact the program director to schedule an appointment.

DEPARTMENT OF NATURAL SCIENCES AND MATHEMATICS

Mr. Travis Miller, Interim Chair
Ms. Karen Kettler, Assistant Chair

BIOLOGY

The Bachelor of Science degree in Biology offers several different majors. A student may choose from the following majors:

WLU/WVU Dental Early Admission Program (DEAP)
Ecology, Evolution, and Organismal Biology
General Biology
Microbiology
Pre-Medicine
Pre-Professional
Environmental Stewardship and Education

Students may also choose the B.A. degree in Biology to teach at the secondary level (B.A. in Education degree in Biology 9-Adult). All biology majors are, except where indicated, required to take core courses in Biology (12 semester hours), Chemistry (8 semester hours), Physics (8 semester hours) and Mathematics (6 semester hours).

BIOLOGY CORE COURSES:

* BIO 124 Biological Principles 3
* BIO 125 Biological Principles Lab 1
** BIO 200 Biology of Plants 4
BIO 202 Biology of Animals 3
BIO 203 Biology of Animals Lab 1
Total core hours 12

** These courses also satisfy General Studies requirements in Natural Sciences and Mathematics.*
*** Students who are Biology minors may opt to substitute any other biology course with laboratory (except Biology 105 and Biology 106) for Biology of Plants (Botany) lecture and laboratory. Please note that this is only for the Biology Minor. Students must receive at least a "C" in each course in the minor.*

CHEMISTRY CORE COURSES: 8
* CHEM 110 Gen. Chem. I 3
* CHEM 111 Gen. Chem. I Lab.....1
CHEM 112 Gen. Chem. II 3
CHEM 113 Gen. Chem. II Lab 1

PHYSICS CORE COURSES: 8
* PHYS 101 Elem. Physics I 3
* PHYS 110 Elem. Physics I Lab 1
PHYS 102 Elem. Physics II.....3
PHYS 111 Elem. Physics II Lab.....1

MATHEMATICS CORE COURSES: 6
* MATH 145 Precalculus Algebra.....3
* MATH 160 Intro. to Statistics.....3
OR
BIO 221 Biostatistics.....3

All biology majors completing a B.S. degree in biology need:

I. GENERAL STUDIES..... 48

II. BIOLOGY/CHEMISTRY CORE.....20

III. PHYSICS/MATHEMATICS CORE 14-16

IV. TRACK-SPECIFIC REQUIREMENTS 32-47

V. ELECTIVES TO TOTAL.....120 Sem. Hrs.

BIOLOGY MINOR

BIOLOGY CORE: 12
Restricted Electives 12
To be selected from 300 or 400 level biology courses.

BACHELOR OF SCIENCE DEGREE IN BIOLOGY GENERAL BIOLOGY

The students completing the B.S. degree in Biology in the General Biology major will be required to attain a minimum G.P.A. of 2.0 overall in all math and science courses in the program, with at least a "C" in each course in the program.

REQUIRED COURSES IN SCIENCE AND MATH:

A. BIOLOGY 33

BIOLOGY CORE.....12

GENERAL BIOLOGY MAJOR 21
BIO 302/303 Human Anatomy and
Physiology I & Lab.....3/1
OR
BIO 426 Comp. Animal Phys. 4
BIO 325 Gen. Microbiology 4
BIO 401 Genetics 4
BIO 404/405 General Ecology& Lab 3/1
BIO 460/461 Molecular Biology& Lab.....3/1
BIO 480 Biology Capstone Course.....1

B. CHEMISTRY: 19
CHEMISTRY CORE 8
CHEM 340/341 Org. Chem. I 4
CHEM 342/343 Org. Chem. II 4
CHEM 480 Biochemistry I 3

C. PHYSICS:
PHYSICS CORE 8

D. MATHEMATICS:
MATHEMATICS CORE 6

E. STUDENTS MUST TAKE 300-400 LEVEL
BIOLOGY ELECTIVES TO TOTAL ..... 120 hrs.

BACHELOR OF SCIENCE DEGREE IN BIOLOGY PRE-PROFESSIONAL MAJOR

The students completing the B.S. degree in Biology in the Pre-Professional Major will be required to attain a minimum G.P.A. of 2.5 overall in all math and science courses in the program with at least a "C" in each course in the program. Pre-professional major includes pre-medical, pre-dental, pre-veterinary, pre-pharmacy, and pre-optometry. Successful completion of the pre-professional major is helpful for admission into professional programs, such as medicine, dentistry, etc., but it does not guarantee a place in any professional school.

REQUIRED COURSES IN SCIENCE AND MATH:

A. BIOLOGY 33-36

BIOLOGY CORE.....12

PRE-PROFESSIONAL..... 21-24
BIO 302/303 Human Anatomy and
Physiology I & Lab.....3/1
OR
BIO 426 Comp. Animal Phys. 4
BIO 325 Gen. Microbiology 4
BIO 401 Genetics 4
BIO 404/405 General Ecology & Lab 3/1
OR
BIO 472 Cell Biology 3
BIO 460/461 Molecular Biology& Lab.....3/1
BIO 479 Research/Internship 1-3
BIO 480 Biology Capstone Course.....1

B. CHEMISTRY 19
CHEMISTRY CORE: 8
CHEM 340/341 Organic Chemistry I 4
CHEM 342/343 Organic Chemistry II 4
CHEM 480 Biochemistry I 3

C. PHYSICS:
PHYSICS CORE 8

D. MATHEMATICS:
MATHEMATICS CORE 6

E. STUDENTS MUST TAKE 300-400 LEVEL
BIOLOGY ELECTIVES TO TOTAL ..... 120 hrs.

BACHELOR OF SCIENCE DEGREE IN BIOLOGY MICROBIOLOGY MAJOR

The students completing the B.S. degree in Biology in the Microbiology major will be required to earn a minimum G.P.A. of 2.5 overall in all math and science courses in the program with at least a "C" in each course in the program.

REQUIRED COURSES IN SCIENCE AND MATH:

A. BIOLOGY: 36
BIOLOGY CORE 12
MICROBIOLOGY MAJOR: 24
BIO 325 Gen. Microbiology 4
BIO 460/461 Molecular Biology & Lab.....3/1
BIO 480 Biology Capstone Course.....1
Restricted Electives to be selected from: 15
BIO 220 Scientific Method. 1
BIO 306 Biotechology I.....3
BIO 317 Prin.of Immunology 3
BIO 321 Biotechnology II.....3
BIO 329 Applied Microbiology 4
BIO 356 Parasitology.....4
BIO 421 Epidemiology of Infectious Diseases.....3
BIO 432 Histology.....4
BIO 462 Microbial Pathogenesis 3
BIO 465 Virology 3
BIO 472 Cell Biology 3
BIO 479 Research/Internship 1-3

B. CHEMISTRY: 19
CHEMISTRY CORE 8
CHEM 340/341 Org. Chem. I 4
CHEM 342/343 Org. Chem. II 4
CHEM 480 Biochemistry I 3

C. PHYSICS:
PHYSICS CORE 8

D. MATHEMATICS:
MATHEMATICS CORE 6

E. STUDENTS MUST TAKE 300-400 LEVEL BIOLOGY ELECTIVES TO TOTAL ..... 120 hrs.

BACHELOR OF SCIENCE DEGREE IN BIOLOGY ECOLOGY, EVOLUTION, AND ORGANISMAL BIOLOGY (EEOB) MAJOR

The students completing the B.S. degree in Biology in the EEOB Major will be required to earn a minimum G.P.A. of 2.0 overall in all Math and Science courses in the program, with at least a "C" in each course in the program.

A.BIOLOGY 48-54
BIOLOGY CORE.....12
EEOB MAJOR 36-42
Required Courses:
BIO 221 Bio Statistics.....3
BIO 325 Microbiology 4
BIO 343 Vertebrate Zoology 4
BIO 401 Genetics 4
BIO 404/405 Ecology/Lab.....3/1
BIO 426 Comp. Animal Phys. 4
BIO 428 Evolutionary Biology.....3
BIO 440 Conservation Biology 4
BIO 479 Internship..... 1-3
BIO 480 Biology Capstone 1

Choose one of the following systematics courses:
BIO 331 Plant Taxonomy.....4
BIO 335 Arthropod Diversity.....4
BIO 346 Mycology 3
BIO 356 Parasitology.....4
BIO 408 Herpetology.....4

Choose at least one class from the following Field/Lab Courses:
BIO 225 Terrestrial Ecological Habitats and Biodiversity..... 1-2
BIO 329 Applied Micro.....4
BIO 406 Field Biology.....4
BIO 478 Special Topics 1-3

B. CHEMISTRY: 16
CHEMISTRY CORE 8
CHEM 340/341 Organic Chemistry I/Lab 3/1
CHEM 342/343 Organic Chemistry II/Lab 3/1

C. PHYSICS: 8
PHYSICS CORE 8

D. MATH: 3
MATH 145 Pre-Calculus Algebra.....3

E. STUDENTS MUST TAKE 300-400 LEVEL BIOLOGY ELECTIVES TO TOTAL ..... 120 hrs.

BACHELOR OF SCIENCE DEGREE IN BIOLOGY ENVIRONMENTAL STEWARDSHIP AND EDUCATION (ESE) MAJOR

The students completing the B.S. degree in Biology in the ESE Major will be required to earn a minimum G.P.A. of 2.5 overall in all Math and Science courses in the program, with at least a "C" in each course in the program.

REQUIRED COURSES IN SCIENCE AND MATH:

A. BIOLOGY: 47
Biology core.....12
ESE Major.....35
BIO 224 Field Natural History.....3
BIO 225 Terrestrial Ecological Habitats and Biodiversity.....3
BIO 226 Marine Ecological Habitats and Biodiversity.....3
BIO 235 Environmental Pol. and Issues.....3
BIO 404/405 Ecology/Lab.....3/1
BIO 406 Field Biology.....4
BIO 440 Conservation Biology 4
BIO 479 Internship.....6
300-400 level BIO electives.....5

B. CHEMISTRY: 4
CHEM 100/101 Fund. of Chemistry....3/1

C. MATHEMATICS: 3
MATH 140 College Algebra 3

D. COLLEGE OF EDUCATION 15
EDUC 201 Human Development....3
CEP 411 Nonform. Educ. Models....3
CEP 422 Outdoor Learning Spaces 3
CEP 433 Program Design and Imple. 3
CEP 443 Fundraising and Grant Writing 3

E. COLLEGE OF LIBERAL ARTS....15
Students must choose a Minor in Geography, Physical Landscapes, or Appalachian Studies.

BACHELOR OF SCIENCE DEGREE IN BIOLOGY WLU/WVU D.E.A.P. MAJOR

Students completing the B.S. degree in Biology, WLU/WVU D.E.A.P. major, will be required to earn a minimum G.P.A. of 3.6 overall and in the major and to earn at least a "C" in each course in the program. The WLU/WVU D.E.A.P. major is designed for students intending to matriculate in post-graduate professional dental school programs. Students enrolled in the WLU/WVU D.E.A.P. major may be eligible for the Dental Early Admission Program (D.E.A.P.) with the West Virginia University School of Dentistry. For more information on D.E.A.P., please see the Biology Program Director or a Biology advisor.

REQUIRED COURSES IN SCIENCE AND MATH:

A. BIOLOGY: 45-47
BIO 124/125 Biological Principles/Lab 3/1
BIO 202/203 Biology of Animals/Lab....3/1
BIO 302/303 Human Anatomy and Physiology/Lab....3/1
BIO 317 Immunology....3
BIO 325 Microbiology 4
BIO 328/334 Human Anatomy and Physiology/Lab....3/1
BIO 401 Genetics 4
BIO 460/461 Molecular Biology/Lab....3/1
BIO 479 Internship.... 1-3
BIO 480 Biology Capstone 1
Restricted Electives to be selected from 12
BIO 330 Fundamentals of Nutrition 3
BIO 343 Vertebrate Zoology....4
BIO 407 Human Genetics....3
BIO 426 Comparative Animal Physiology....4
BIO 462 Microbial Pathogenesis 3
BIO 465 Virology 3

B. CHEMISTRY....19
CHEMISTRY CORE 8
CHEM 340/341 Organic Chemistry I/Lab 3/1
CHEM 342/343 Organic Chemistry II/Lab 3/1
CHEM 480 Biochemistry I 3

C. PHYSICS 8
PHYSICS CORE 8

D. MATHEMATICS....6
MATHEMATICS CORE 6

E. GENERAL ELECTIVES TO TOTAL .... 120 hrs.

The WLU/WVU D.E.A.P. major requires specific General Studies course selection; please see Biology Program Director or a Biology advisor.

BACHELOR OF SCIENCE DEGREE IN BIOLOGY PRE-MEDICINE MAJOR

Students completing the B.S. degree in Biology, Pre-Medicine major, will be required to earn a minimum G.P.A. of 3.2 overall and in the major and to earn at least a "C" in each course in the program. The Pre-Medicine major is designed for students intending to matriculate in post-graduate professional programs in medicine (allopathic or osteopathic medicine). Students enrolled in the Pre-Medicine major may be eligible for the West Virginia School of Osteopathic Medicine Pre-Osteopathic Medicine Track. For more information, please see the Biology Program Director or a Biology advisor.

REQUIRED COURSES IN SCIENCE AND MATH:

A. BIOLOGY: 48-50
BIO 124/125 Biological Principles/Lab 3/1
BIO 202/203 Biology of Animals/Lab....3/1
BIO 302/303 Human Anatomy and Physiology/Lab....3/1
BIO 317 Immunology....3
BIO 325 Microbiology 4
BIO 328/334 Human Anatomy and Physiology/Lab....3/1
BIO 401 Genetics 4
BIO 460/461 Molecular Biology/Lab....3/1
BIO 472 Cell Biology 3
BIO 479 Internship.... 1-3
BIO 480 Biology Capstone 1
Restricted Electives to be selected from 12
BIO 200 Botany 4
BIO 330 Fundamentals of Nutrition 3
BIO 338 Medicinal Botany....3
BIO 350 Developmental Biology....3
BIO 407 Human Genetics....3
BIO 423 Pathophysiology....3
BIO 426 Comparative Animal Physiology....4
BIO 432 Histology....4
BIO 462 Microbial Pathogenesis 3
BIO 465 Virology 3

B. CHEMISTRY....19
CHEMISTRY CORE 8
CHEM 340/341 Organic Chemistry I/Lab 3/1
CHEM 342/343 Organic Chemistry II/Lab 3/1
CHEM 480 Biochemistry I 3

C. PHYSICS 8
PHYSICS CORE 8

D. MATHEMATICS 8
MATH 210 Calculus & Analytical Geometry I 5*
MATH 160 Statistics 3
OR
BIO 221 Biostatistics 3

BACHELOR OF ARTS DEGREE IN EDUCATION IN BIOLOGY

The students completing the B.A. 9-Adult teaching degree in Biology will be required to earn at least a "C" in each course in the program. ***See College of Education for additional requirements.***

I. GENERAL STUDIES 45

II. REQUIRED COURSES IN SCIENCE AND MATHEMATICS

A. BIOLOGY 37-38
BIOLOGY CORE 12
BIO 221 Biostatistics 3
BIO 325 Gen. Microbio. 4
BIO 302/303 Human Anatomy and Physiology I & Lab 4
BIO 328/34 Human A&P II & Lab 4
BIO 401Genetics 4
BIO 404/405 General Ecology& Lab 3/1
BIO 482 Biology Education Capstone 1
BIO Elective(s) 1-2
Bio Electives to be selected with approval of an academic advisor, from 300 and 400 level courses

B. CHEMISTRY:
CHEMISTRY CORE 8

C. PHYSICS 15
PHYSICS CORE 8
PHYS 315 Trends & Issues in Science Education 3
PHYS 345 Earth & Space Science 4

D. MATHEMATICS:
MATH 145 Pre-Calculus Algebra 3

III. SECOND TEACHING SPECIALIZATION
A second field is highly recommended.

IV. TEACHER EDUCATION COMPONENT
Refer to the Teacher Education section of the University catalog for details on the education portion of this degree.

CHEMISTRY PROGRAM

Students interested in chemistry may pursue the Bachelor of Science in Chemistry or the chemistry minor. Students wishing to teach chemistry may choose the Bachelor of Arts in Education in Chemistry. Students completing the B.S. in Chemistry must earn at least a "C" in required science and math courses.

BACHELOR OF SCIENCE DEGREE IN CHEMISTRY

I. GENERAL STUDIES 48
Must take CHEM 110/111 as General Studies Physical Science requirement

II. REQUIRED COURSES IN SCIENCE AND MATHEMATICS

A. CHEMISTRY 38
CHEM 112 General Chemistry II 3
CHEM 113 General Chemistry II Lab 1
CHEM 320 Analytical Chemistry 3
CHEM 321 Analytical Chemistry Lab 1
CHEM 340 Organic Chemistry I 3
CHEM 341 Organic Chemistry I Lab 1
CHEM 342 Organic Chemistry II 3
CHEM 343 Organic Chemistry II Lab 1
CHEM 400 Inorganic Chemistry 3
CHEM 464 Physical Chemistry I 4
CHEM 465 Physical Chemistry I Lab 1
CHEM 466 Physical Chemistry II 4
CHEM 467 Phys. Chemistry II Lab 1
CHEM 480/481 Biochemistry I and Lab 4
CHEM 482/483 Biochemistry II and Lab 4
CHEM 485 Chemistry Capstone 1

B. PHYSICS 8
PHYS 101 Elementary Physics I 3
PHYS 110 Elementary Physics I Lab 1
PHYS 102 Elementary Physics II 3
PHYS 111 Elementary Physics II Lab 1

C. MATHEMATICS 13
MATH 210 Calculus & Analytic Geo. I 5
MATH 211 Calculus & Analytic Geo. II 4
MATH 212 Calculus & Analytic Geo. III 4

D. CHEMISTRY ELECTIVES 13
Choose any CHEM 300-400 level course

III. ELECTIVES OF INTEREST
TO TOTAL ..... 120 Sem. Hrs.

CHEMISTRY MINOR

REQUIRED COURSES.....15
CHEM 110 Gen. Chem. I.....3
CHEM 111 Gen. Chem. I Lab.....1
CHEM 112 Gen. Chemistry II.....3
CHEM 113 Gen. Chemistry II Lab.....1
CHEM 340 Organic Chemistry I.....3
CHEM 341 Organic Chem. I Lab.....1
CHEM 400 Inorganic Chemistry.....3

Chemistry electives: choose 7-8 hrs.
CHEM 320 Analytical Chemistry.....3
CHEM 321 Analytical Chemistry Lab.....1
CHEM 342 Organic Chemistry II.....3
CHEM 343 Organic Chemistry II Lab.....1
CHEM 480 Biochemistry I.....3
CHEM 481 Biochemistry I Lab.....1
CHEM 478 Special Topics..... 1 - 3
Total hours required..... 22-23

BACHELOR OF ARTS DEGREE IN EDUCATION CHEMISTRY (9-ADULT)

I. GENERAL STUDIES 45

II. REQUIRED COURSES IN SCIENCE AND MATHEMATICS

A. CHEMISTRY.....34
CHEM 110 General Chemistry I.....3
CHEM 111 General Chemistry I Lab.....1
CHEM 112 General Chemistry II.....3
CHEM 113 General Chemistry II Lab.....1
CHEM 320 Analytical Chemistry.....3
CHEM 321 Analytical Chemistry Lab.....1
CHEM 335Environment Chemistry.....3
CHEM 340 Organic Chemistry I.....3
CHEM 341 Organic Chemistry I Lab.....1
CHEM 342 Organic Chemistry II.....3
CHEM 343 Organic Chemistry II Lab.....1
CHEM 352 Principles of Biochemistry.....3
** CHEM 360 Prin. of Physical Chemistry.....3
** CHEM 361 Prin. of Physical Chem. Lab.....1
CHEM 400 Inorganic Chemistry.....3
CHEM 486 Chemistry Education (9-Adult) Capstone.....1

*** CHEM 464 and 466, Physical Chemistry I and II, and CHEM 465 and 467, Physical Chemistry Laboratory I and II, may be substituted for CHEM 360 and 361.*

B. BIOLOGY 4
BIO 124 Biological Principles.....3
BIO 125 Biological Principles Lab.....1

C. PHYSICS 15
PHYS 101 Elementary Physics I.....3
PHYS 110 Elem. Physics I Lab.....1
PHYS 102 Elem. Physics II.....3
PHYS 111 Elem. Physics II Lab.....1
PHYS 315 Trends & Issues in Science Education.....3
PHYS 345 Earth & Space Science.....4

D. MATHEMATICS.....8
MATH 145 Precalculus Algebra.....3
MATH 210 Calculus & Analytic Geometry I.....5

III. SECOND TEACHING SPECIALIZATION
A second field is highly recommended.

IV. TEACHER EDUCATION COMPONENT
Refer to the Teacher Education section of the University Catalog for details on the education portion of this degree.

MATHEMATICS

Students interested in mathematics may pursue the Bachelor of Science in Mathematics or the Bachelor of Arts in Education in Mathematics (5-Adult). Students must earn at least a "C" in required science and math courses.

Students selecting any of these programs should contact an academic advisor immediately for assistance in planning their schedule due to the sequential nature of the curricula.

BACHELOR OF SCIENCE DEGREE IN MATHEMATICS

I. GENERAL STUDIES 48

II. MATHEMATICS 48

MATH 175 Computer Program.for the Sciences 3
OR
MATH 177 Modern Program. Methods..... 3
MATH 210 Calculus & Analytic Geometry I 5
MATH 211 Calcul.&Analy. Geom. II..... 4
MATH 212 Calcul.&Analy. Geom. III..... 4
MATH 280 Mathematics Seminar..... 1
MATH 341 Linear Algebra 3
MATH 373 Finite Mathematics 3
MATH 374 Discrete Mathematics..... 3
MATH 375 Applied Differential Equations..... 3
MATH 410 Real Variables 3
MATH 445 Abstract Algebra 3
MATH 464 Probability and Statistics 3
MATH 480 Mathematics Capstone..... 1

MATHEMATICS ELECTIVES, consult with an Academic Advisor from the mathematics faculty to choose from the following list:
MATH 327, 349, 377, 475, and 478..... 9

III. MINOR FIELD OR SECOND MAJOR 18-27

IV. GENERAL ELECTIVES.....7-17

V. ELECTIVES TO TOTAL.....128 Sem. Hrs.

MATHEMATICS MINOR

Required courses 16
MATH 177 Modern Program. Methods..... 3
MATH 210 Calculus & Analytic Geometry I 5
MATH 211 Calcul.&Analy. Geom. II..... 4
MATH 212 Calcul.&Analy. Geom. III..... 4

Six (6) hours of Mathematics electives with advisor approval 6
Total Minor Hours..... 22

BACHELOR OF ARTS DEGREE IN EDUCATION MATHEMATICS (Grades 5-Adult)

I. GENERAL STUDIES 45-47

II. MATHEMATICS 43
MATH 175 Computer Programming for the Sciences 3
OR
MATH 177 Modern Programming Methods..... 3
MATH 210 Calculus & Analytic Geometry I 5
MATH 211 Calculus & Analytic Geometry II 4
MATH 212 Calculus & Analytic Geometry III 4
MATH 264 Manipulatives in Mathematics 2
MATH 327 History of Mathematics..... 3
MATH 334 Geometry..... 3
MATH 341 Linear Algebra 3
MATH 373 Finite Mathematics 3
MATH 374 Discrete Mathematics..... 3
MATH 445 Abstract Algebra 3
MATH 464 Probability and Statistics 3
MATH 480 Mathematics Capstone..... 1
One course from the following:
MATH 375, 377, 475..... 3

III. SECOND SPECIALIZATION
(A second specialization is not required but is strongly recommended.)

IV. TEACHER EDUCATION COMPONENT 43-45

Refer to the Teacher Education section of the University Catalog for details on the education portion of this degree.

CERTIFICATION: MATHEMATICS (Grades 5-9)

I. GENERAL STUDIES 45-47

II. MATHEMATICS 23
* MATH 106 Math. for Elem. Teachers I 4
MATH 107 Math. for Elem. Teachers II..... 4
MATH 145 Precalculus Algebra..... 3
MATH 160 Introduction to Statistics 3
MATH 264 Manipulatives in Mathematics 2
MATH 309 Calculus & Geometry for Gen. Math 5-9 3
MATH 373 Finite Mathematics 3
MATH 481 Mathematics Capstone..... 1

III. ADDITIONAL SPECIALIZATION
(An additional specialization is required)

IV. TEACHER EDUCATION COMPONENT 42

Refer to the Teacher Education section of the College Catalog for details on the education portion of this degree.

PHYSICS AND PHYSICAL SCIENCES PROGRAM

Students may pursue the Bachelor of Arts in Education in General Science (Grade 5-Adult) if they wish to teach. In addition, students choosing a different major may pursue the Certification in General Science (5-9).

Students selecting either of these programs should contact an academic advisor immediately for assistance in planning their schedule due to the sequential nature of the curricula.

CERTIFICATION: GENERAL SCIENCE (Grades 5-9)

I. GENERAL STUDIES 45-47

II. SCIENCE 32-33

A. BIOLOGY
BIO 124 Biological Principles..... 3
BIO 125 Biological Principles Lab..... 1
BIO 340 Life Sciences II for Elementary and 5-9 Teachers..... 4

B. GEOGRAPHY
GEO 444 Weather and Climate..... 3
OR
PHYS 400 Oceanography and Climatology..... 2

C. MATHEMATICS
MATH 145 Precalculus Algebra..... 3

D. PHYSICS
PHYS 101 Elementary Physics I..... 3
PHYS 110 Elementary Physics I Lab..... 1

PHYS 315 Trends and Issues in Science Education 3
PHYS 340 Physical Science II for Elem. and 5-9 Teachers 4
PHYS 345 Earth & Space Science 4

E. CHEMISTRY
CHEM 100 Foundations of Chemistry..... 3
CHEM 101 Foundations of Chemistry Lab..... 1

III. SECOND SPECIALIZATION
An additional specialization is required.

IV. TEACHER EDUCATION COMPONENT..... 42

Refer to the Teacher Education section of the University Catalog for details on the education portion of this degree.

BACHELOR OF ARTS DEGREE IN EDUCATION
GENERAL SCIENCE
(Grades 5-ADULT)

I. GENERAL STUDIES 45
II. SCIENCE..... 51-55
A. BIOLOGY 13
BIO 124 Biological Principles 3
BIO 125 Biological Principles Lab..... 1
BIO 200 Biology of Plants 4
BIO 202 Biology of Animals..... 3
BIO 203 Biology of Animals Lab..... 1
BIO 482 Biology Education Capstone..... 1

B. CHEMISTRY 8
CHEM 110 General Chemistry I..... 3
CHEM 111 General Chemistry I Lab 1
CHEM 112 General Chemistry II..... 3
CHEM 113 General Chemistry II Lab..... 1

C. GEOGRAPHY..... 2-3
GEO 444 Weather and Climate 3
OR
PHYS 400 Oceanography and Climatology 2

D. MATHEMATICS 6-8
Choose two of the following:
MATH 145 Precalculus Algebra..... 3
MATH 160 Introduction to Statistics 3
MATH 210 Calculus & Analytic Geo.I..... 5

E.PHYSICS 15
PHYS 101 Elementary Physics I 3
PHYS 110 Elementary Physics I Lab 1
PHYS 102 Elementary Physics II 3
PHYS 111 Elementary Physics II Lab..... 1
PHYS 315 Trends & Issues in Science Education..... 3
PHYS 345 Earth & Space Science 4

F. ELECTIVES..... 7-8
Choose 7-8 hours of any 300-400 level course denoted by BIO, CHEM, or PHYS prefixes.

III. TEACHER EDUCATION COMPONENT 43-45

Refer to the Teacher Education section of the University Catalog for details on the education portion of this degree.

DEPARTMENT OF HEALTH SCIENCES

MEDICAL LABORATORY SCIENCE

Dr. William Wagener, Program Director

The profession of Medical Laboratory Science has developed rapidly into one of the most significant areas of the health care process and offers unlimited possibilities for those persons who desire a career in the clinical sciences and who wish to become an important member of the health care team. The medical laboratory scientist performs the multitude of laboratory tests upon which physicians rely for diagnosis and treatment. Opportunities are also available for the medical laboratory scientist who chooses to work in research, biotechnology or education.

The Medical Laboratory Science Program at West Liberty University consists of prerequisite course work in biology, chemistry, mathematics and general studies. An introductory medical laboratory science course taken during the sophomore year introduces the student to the professional requirements of the program. Course work completed in the campus laboratories and lectures during the junior year prepare the students for senior level clinical rotations at the Ohio Valley Medical Center, Wheeling, W.Va., and East Ohio Regional Hospital, Martins Ferry, Ohio, or at Reynolds Memorial Hospital, Glen Dale, W.Va. In addition, senior medical laboratory science students develop problem solving, interpersonal and managerial skills required for the health professions.

Educational Programs in medical laboratory science must be accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS, 5600 N. River Road., Suite 720, Rosemont, IL 60018, 773-714-8880). The Medical Laboratory Science Program at West Liberty University received initial accreditation in October 1978. The program was granted full accreditation in March 2007 for seven (7) years.

Upon successful completion of the program, the student will be awarded a B.S. degree in Medical Laboratory Science.

ADMISSION

Students are not officially admitted into the Medical Laboratory Science Program until the end of the sophomore year. Freshman and sophomore students are designated as Pre-Medical Laboratory Science majors. At the end of

the sophomore year, only those Pre- Medical Laboratory Science majors with the most competitive qualifications will be selected to enter the Medical Laboratory Science Program as juniors.

REQUIREMENTS FOR ADMISSION PRE-MEDICAL LABORATORY SCIENCE

Applicant must:

1. Meet the admission requirements for West Liberty University.
2. Have completed the American College Test (ACT) within the last two years. (An older student who fails to meet this requirement because he/she is returning to school several years after high school graduation, may still be accepted if other qualifications are strong, e.g., high grades in high school science courses, outstanding recommendations, related work experience, etc.).
3. Have completed at least one unit each of high school biology, chemistry, and algebra, earning a grade of "C" or better in each. [An Enhanced ACT standard score of 20 or better in Natural Sciences and/or Mathematics will be considered as a possible substitute(s) for the above course(s).]
4. Essential functions are minimum technical requirements that are critical for successful completion of the MLS program and employment in the field after graduation. These are provided to you before entering the program so that you understand the technical requirements for success. You are asked to study these and confirm that you are able to meet them. Failure to meet one of more of the essential functions does not necessarily exclude you from entering the program. If you are not able to meet all the functions, you will meet with the MLS faculty to determine the action to be taken.

The student must be able to:

1. Read and write English.
2. Manipulate a microscope.
   a. Physically adjust the instrument.
   b. Process visual acuity to locate specimens on a slide.
3. Discriminate between colors on special stains.
4. Stand and/or sit for prolonged periods of time.
5. Communicate effectively with peers, other healthcare professionals and patients.
6. Exhibit manual dexterity to perform phlebotomy (veni-puncture), slide preparation, and culture isolation techniques.
7. Manipulate automatic or manual pipettes and pipetting devices and other standard laboratory glassware and equipment.
8. Accurately transcribe information from computer-generated or other written forms to other formats.
9. Transport low-to-medium weight objects from one point to another.
10. Bend, stretch, reach, or stoop within reason to obtain materials or manipulate instruments.

REQUIREMENTS FOR ADMISSION TO THE MEDICAL LABORATORY SCIENCE (MLS)

The Medical Laboratory Science Program accepts only its most qualified Pre- Medical Laboratory Science majors into the available positions. To be considered for admission to the Program, the applicant must:

1.Submit a completed Medical Laboratory Science application form.

2.Demonstrate scholastic competence (as evidenced by cumulative grade point average and by science/mathematics grade point average) and have earned a minimum grade of:

a.)"C" in each of the following Medical Laboratory Science courses: 210, 250; and

b.) An overall grade point average of 2.5 or higher and a minimum grade point average of 2.5 in Math and Science.

3. Demonstrate professional attitudes and aptitude, and writing and communication skills as evidenced by:

a.) References submitted from one science and one non-science faculty member or laboratory assistant.

b.) Interview with representatives of the Medical Laboratory Science Admissions Committee.

c.) Professional assessment by Medical Laboratory Science faculty.

REQUIREMENTS FOR TRANSFER INTO MEDICAL LABORATORY SCIENCE

It is very difficult to transfer into the program and still complete the required courses within the usual four year time period. Those who transfer into the program should plan to spend at least one additional year at West Liberty University to complete the requirements for a B.S. degree in Medical Laboratory Science.

Due to limited class sizes in the junior and senior level MLS courses, a qualified transfer student will be considered for advanced placement in the program only if a vacancy exists.

Students wishing to be considered for transfer must comply with the regular Requirements for Admission to the Medical Laboratory Science Program listed above. Appropriate professional references may include supervisors, educational coordinator, etc. In addition, the student must:

1. Have the following sent to the Director of Admissions at West Liberty University:
   a. A letter of recommendation from an official in student services at the previous institution; and
   b. Transcripts of all college grades to date.
   c. A completed application for admission to West Liberty University.
2. Have earned an overall grade point average of 2.5 or higher.

GUIDELINES FOR ASSOCIATE DEGREE HOLDERS

The MLS faculty has developed the following guidelines for awarding the MLS degree to medical laboratory technicians or clinical laboratory technicians who are graduates from NAACLS accredited programs.

Articulations:

Graduates of West Virginia Northern Community College, Fairmont State University, Community College of Allegheny County, and Eastern Gateway Community College should contact the Program Director of the Medical Laboratory Science Program.

Validation for CLT (MLT) Graduates:

Upon successful completion of 12 credit hours at West Liberty University, 12 credit hours will be awarded if the student has passed the ASCP BOC for laboratory technicians or has a minimum of two years experience in laboratory science.

ALTERNATE LIST

A sequential listing of qualified pre- Medical Laboratory Science majors who were not selected into the Program will be maintained. Should one of the students who were already accepted decide to decline the appointment, the first alternate would take their place, etc. A student's name will be maintained on the alternate list for two academic semesters only. After that time, the student must make reapplication to be considered for admission.

POLICY OF DEADLINE DATES FOR THE COMPLETION OF ADMISSIONS PROCEDURES

1.Pre- Medical Laboratory Science Admissions: Enrollment in the Pre- Medical Laboratory Science program as freshmen is unlimited and students will be accepted into the program up to the beginning of the fall semester.

2. Medical Laboratory Science Admissions:

a. Cutoff date for submission of application materials:

Pre- Medical Laboratory Science majors who have completed the required prerequisite coursework and wishing to be considered for acceptance into the Medical Laboratory Science Program as a junior must submit application materials no later than March 1 of the sophomore year.

b. Deadline dates for notification of applicants concerning committee decisions:

• Applicants will be notified of the committee's final decision no later than three weeks after the Registrar's Office receives final grades for the spring term of the sophomore year. If a student registers for summer school courses in order to complete entrance requirements, a provisional acceptance may be given pending the final grades of the summer session(s).

Application materials - both general University and Medical Laboratory Science can be found online or by calling 304.336.8108.

SCHOLARSHIPS AND LOAN FUNDS

The Scholarship Committee of the West Virginia State Society for Clinical Laboratory Science, Inc., presents a scholarship each year to a deserving student in Medical Laboratory Science enrolled in a program in West Virginia. However, this scholarship is only available to fourth-year students. Interested students must see the program director of the Medical Laboratory Science program to procure an application form before October 1. Information concerning loans is available through the director of financial aid.

INSURANCE

Full-time students enrolled at West Liberty University are covered by professional liability insurance by the State of West Virginia.

Students are not covered by accident and health insurance. If students are not covered by their parents' (spouse) family plan, they are strongly urged to purchase such insurance. They can receive assistance by contacting any representative of an insurance agency.

Senior MLS students will be required to take a physical examination at the clinical facility prior to the beginning of their senior rotations. Some immunization may be required at the students' expense.

BACHELOR OF SCIENCE DEGREE IN MEDICAL LABORATORY SCIENCE

I. GENERAL STUDIES (see required support courses)		**37**
II. REQUIRED SUPPORT COURSES		**24**
*	BIO 124, 125 Biological Principles & Lab	4
	BIO 212 Anatomy & Physiology	4
	BIO 214 Anatomy & Physiology	2
	BIO 216 Microbiology	3
*	CHEM 110/111 General Chemistry I & Lab	4
	CHEM 112/113 General Chemistry II & Lab	4
*	MATH 160 Intro. to Statistics	3

III. REQUIRED MLS COURSES

CLS 210 Introduction to CLS	2
CLS 250 Medical Bio-organic Chemistry	3
CLS 300/301 Clinical Hematology/Lab	4/1
CLS 302 Clinical Hematology II	3
CLS 320 Analysis of Body Fluids	2
CLS 321 Urinalysis and Body fluids Lab	1
CLS 340/341 Clinical Biochemistry I/Lab	3/1
CLS 342 Clinical Biochemistry II	3

CLS 360/361 Clinical Microbiology I/Lab 3/2
CLS 372 Clinical Microbiology II 3
CLS 375/376 Immunohematology/Lab 3/1
CLS 380 Clinical Immunology and Serology . 3
CLS 400 CLS Comprehensive Review..... 3
CLS 411 Clinical Hematology/Coagulation 2
CLS 420 Clinical Laboratory Management.... 2
CLS 430 Parasitology and Mycology..... 1
CLS 441 Advanced Clinical Biochem. Lab 4
CLS 450 Senior Seminar..... 3
CLS 455 Quality Control and Research Methods..... 2
CLS 461 Advanced Clinical Microbio. Lab..... 3
CLS 470 Case Studies 3
CLS 471 Adv. Immunohematology Lab 2
CLS 481 Advanced Immunology Lab 1
CLS 490 Independent Research 3
TOTAL..... 128 Sem. Hrs.

** These required support courses count toward the 48 general studies credits required for graduation*

BUDGET

Seniors will experience costs associated with the clinical rotation courses, such as lab coats, uniforms, and transportation. Fees are also required for the ASCP BOC Examination Application. In addition, drug screening, immunizations, and background checks are required before the student begins the clinical rotation. Students are responsible for the expense. See Program Director for more information.

RETENTION, WITHDRAWAL, SUSPENSION AND DISMISSAL POLICY

INTRODUCTION: A student admitted to the MLS Program must maintain high standards of academic and professional conduct. These standards, and the associated grounds for suspension and dismissal, are clearly explained in this policy bulletin. Policies concerning withdrawal are also discussed.

STANDARDS FOR ACADEMIC ACHIEVEMENT: A student must maintain an overall grade point average of 2.0; in addition, the student must earn a minimum grade of "C" in each Medical Laboratory Science course that is required for the B.S. degree in Medical Laboratory Science.

A student who earns a "D" or "F" in any of the above-required courses will immediately be placed on probation. The course must be repeated, with a grade of "C" or better, during the next regular term that the course is offered. A student may repeat such a course only once—i.e. a minimum grade of "C" must be earned the first time a course is repeated. Failure to earn a minimum grade of "C" will result in suspension from the program.

The second time a student earns a grade of "D" or "F" in a Medical Laboratory Science course the student will be suspended from the program. (See policy on readmission for re-entering the program.)

All students are required to pass a final comprehensive exam covering all areas of medical laboratory science during the final term before graduation. The exam will be given near the end of spring term and will constitute the final grade for CLS 400 and CLS 490 Comprehensive Review. Successful passage of the exam is required to pass CLS 400 and CLS 490.

Failure to pass CLS 400/490 will postpone graduation until the course is repeated and the student earns a passing grade.

Students are not required to complete a national certification examination in Medical Laboratory Science as a condition for graduation. However, the American Society of Clinical Pathologists Board of Certification (ASCP-BOC) offers a national certification examination. Certification is strongly recommended.

FAILURE TO MEET THE TERMS OF A CONDITIONAL ACCEPTANCE CONTRACT: A student who fails to fulfill any of the conditions, as stated in the terms of the conditional acceptance contract, by stated deadline date, will be dismissed from the program.

ILLNESS: Arrangements concerning absences because of short-term illnesses will be made on an individual basis, by conferring with the instructors involved.

In the case of a long-term illness, (more than a week), a student will be asked to withdraw from the program. When such a student wishes to be actively reinstated in the Program, a written request must be submitted to the Program Director. If the Medical Laboratory Science Faculty approves the reinstatement, the student may then resume taking the necessary course work remaining for the B.S. degree in Medical Laboratory Science. It should be noted, however, that because of limitations in class sizes in the Medical Laboratory Science courses, such a student might be required to postpone taking certain required courses until openings become available.

STUDENT-INITIATED WITHDRAWAL: (for any reason) a student in good standing who wishes to withdraw from the program must submit a written letter of withdrawal, to the Program Director. Failure to comply with this requirement will normally preclude reinstatement in the program.

If such a student wishes to be actively reinstated in the program, a written request must be submitted to the Program Director. If the Medical Laboratory Science Program Director approves the reinstatement, the student may then resume taking the necessary course-work remaining for the B.S. degree in Medical Laboratory Science. It should be noted, however, that because of limitations in class sizes

in the Medical Laboratory Science courses, such a student might be required to postpone taking certain required courses until openings become available.

PROFESSIONAL CONDUCT: A student who fails to act in a professionally responsible and honest manner, but rather commits a single serious act, or a pattern of actions, (all of which must be documented) of a professionally negligent, careless or dishonest nature, will be dismissed from the Program. Such non-professional conduct cannot be tolerated from individuals who, upon graduation, will assume critical responsibilities in regard to patients' lives.

Examples of when this policy would apply include such cases as: cheating on a test, "fudging" of laboratory data; a pattern of irresponsibility or undependability, a serious act of negligence or breach of confidentiality in a clinical setting.

OPPORTUNITIES IN GERONTOLOGY

The trend in America, and in many other countries, is for people to live longer. Predictions indicate that about twenty percent of the population in America will be age 65 or older by the middle of this century. Educating professionals to meet the needs of senior citizens is an important aspect of our nation's readiness to meet this challenge. The varied needs of senior citizens provide a wide array of career opportunities. People with a broad range of skills are needed to increase the quality of life for these individuals. Employment opportunities include senior centers, nursing homes, adult day care centers, independent living facilities, and area agencies on aging.

A gerontology minor is offered for individuals, in all areas, desiring focused study in this specialty. Content includes understanding the needs of seniors, physical and psychological changes that occur with aging, and planning to meet the needs for this population in a caring, supportive manner that preserves one's dignity.

GERONTOLOGY MINOR

Choose 21 hours from the following:

GERO 100 Perspectives on Aging 3
GERO 200 Biology & Physiology of Aging 3
GERO 280 Clinical Aspects of DementiaCare 2
GERO 290 Interdisciplinary Management of Problems of Aging 3
GERO 300 Prevention & Healthy Aging 3
GERO 340 Issues in Long-Term Care andAging 3
GERO 350 The Law, Ethics and Aging 3
GERO 360 Health, Law and Social Policy 3
GERO 370 Financing & Regulations of Long-Term Care Services 3
GERO 380 Research Methods on Aging 3
GERO 400 Epidemiology of Aging 2
GERO 410 Contemporary Issues in Cross-Cultural Health Care 3
GERO 479 Special Problems 1-3
GERO 480 Gerontology Externship 3-6

SARAH WHITAKER GLASS SCHOOL OF DENTAL HYGIENE

Mrs. Margaret Six, Program Director

HISTORICAL SKETCH

The Sarah Whitaker Glass School of Dental Hygiene was opened in September 1938, and graduated its first class in 1940. The work in dental hygiene was instituted at the request and with the cooperation of progressive members of the dental profession in West Virginia, who felt that the lack of a dental school in West Virginia should not delay the growth of the dental hygiene movement. West Liberty was selected for dental hygiene education because of its interest in vocational education, its national accreditation, and its location near suitable clinical facilities.

When the school opened in 1938, one room was devoted to its use. The following year a generous gift from Mrs. Alexander Glass of Wheeling made considerable expansion possible. Further contributions have been made by Mrs. W. W. Holloway and Mrs. Gibson Caldwell, daughters of Mrs. Glass. In recognition of their generosity, the school has been named The Sarah Whitaker Glass School of Dental Hygiene.

THE PROFESSION OF DENTAL HYGIENE

Dental Hygiene is placed significantly among the health professions. As a member of the dental health team, the dental hygienist is concerned primarily with the prevention of oral diseases.

The dental hygienist serves as a preventive oral health professional who provides patient care and is required by law to obtain a license to practice. To obtain this license the dental hygienist must graduate from an accredited school of dental hygiene. Just prior to graduation, the National Board dental hygiene written examination, which is recognized by all U.S. licensing jurisdictions, is taken by qualifying second-year students. A clinical examination is also required prior to licensure by the various states. West Liberty University is a testing site for the North East and Central Regional Clinical Board exams annually during the spring semester.

CAREER OPPORTUNITIES FOR DENTAL HYGIENE

Career opportunities for dental hygienists have increased in response to society's demands for comprehensive dental health care. Increasing numbers of dental hygienists are working in expanded career alternative settings including dental hygiene education, schools systems, public health, hospitals, clinics and long term care facilities, clinical research, military services, sales in private industry, research organizations, health promotion specialties, federal, state, and local health departments, and foreign employment.

The selection of a career is one of the most important decisions a person makes; therefore it is important that potential students be fully informed about the profession and educational requirements. The American Dental Hygienists' Association website (www.adha.org) publishes important facts about dental hygiene education, professional roles, employment, licensure, national and international careers.

GENERAL INFORMATION

Students are admitted at the beginning of each academic year. Dental hygiene students enroll either for a two-year professional program terminating with an Associate in Science degree or a four-year program ending with a Bachelor of Science degree in Dental Hygiene. The majority of students entering the two-year professional sequence of courses have completed at least one year of liberal arts studies prior to acceptance.

All dental hygiene students may apply for student membership in the American Dental Hygienists' Association. An annual membership fee entitles the student to receive the Journal of the A.D.H.A. and attend local, state, and national meetings. Upon graduation, student members are eligible for active membership in the ADHA.

Before students begin any phase of their clinical experiences, they must be covered by malpractice (liability) insurance. Such insurance is paid by the university and is intended as a protection for the students, the university, and the patient.

RETENTION, SUSPENSION AND REINSTATEMENT

Minimum academic standards:

Because Dental Hygiene courses are sequenced and are taught only one semester per year, successful completion of all dental hygiene professional courses is a prerequisite to entering the following semester.

A student must maintain a "C" or better in all dental hygiene and science courses included in the Dental Hygiene Program curriculum

Failure to meet Academic Standards:

Failure in a Dental Hygiene Professional Course: A grade of D, F, WF, FI in any of the Dental Hygiene and/ or Science curriculum course will result in immediate suspension from the program. In order for a student to be considered for reinstatement, the course must be repeated with a grade of "C" or better during the next regular semester the course is offered. If a course grade of "D" or lower is subsequently repeated, the original grade will remain and be counted as an unsatisfactory grade. Upon earning a second unsatisfactory grade (D, F, WF, FI) in a Dental Hygiene or Science curriculum course, the student is immediately and permanently dismissed from the Dental Hygiene Program. A student has the right to formally appeal decisions involving such matters to the Dental Hygiene Appeals Committee.

Re-Admission Policy Following Suspension:

Following suspension, a student must repeat the course deficiency that resulted in the suspension during the next semester in which the course is offered. When the deficiency is corrected, the student must submit an application for re-admission to the Dental Hygiene Admissions Committee before the start of the next semester in which the student desires admission. The Dental Hygiene Admissions Committee will inform the student of their decision before the start of the next semester. Re-admission to the program is on a space available basis through the Dental Hygiene Admissions Committee.

PROFESSIONAL ETHICS POLICY

If a student is found in violation of the university policy on academic dishonesty and receives an "F" for any such course, the student will be dismissed for violation of professional ethics and will not be reinstated into the program.

The policies, rules, and regulations regarding academic student rights are contained in the Handbook of Student Information and Policies. If a student wishes to appeal any faculty committee decision about dismissal, the appeal must be submitted in accordance with the student appeals procedure.

ADMISSION POLICIES AND PROCEDURES

Application for admission to the A.S. and B.S. Degree programs in Dental Hygiene must be submitted on or before January 15 of each year. Completed applications are reviewed and evaluated by the Dental Hygiene Admissions Committee beginning in February. All applicants will be notified of the committee's decision regarding their application.

Application material is available on-line at westliberty.edu .

Request for print material should be directed to the following:

Sarah Whitaker Glass Dental Hygiene Program
Attn: Program Director
208 University Drive CUB 121
West Liberty, WV 26074
304-336-8633

A.S. Degree Application Requirements

Applicants must:

1. Meet the admission requirements for the University. Applicants who meet these requirements will be formally notified by the Admissions Office.
2. Complete the Dental Hygiene Application by January 15.
3. Have completed or be currently enrolled in the following pre-requisites:
   - English 101 & 102
   - Psychology 101
   - Sociology 150
   - Oral Communication 101
   - Biology 204 & 205 - Anatomy & Physiology & Lab
   - Chemistry 100 & 101- Foundations of Chemistry & Lab
   - Biology 216 - Microbiology & Lab
   - Biology 330 - Nutrition
4. Maintain a minimum cumulative G.P.A. average of 2.8
5. Earn a minimum grade of "C" in all pre-requisite courses

* If a grade of D of F is earned in any of the pre-requisite courses, the student is given the opportunity to repeat that class to replace the unsatisfactory grade. If a second grade of D of F is earned in any of the pre-requisite courses, the student is ineligible for admission to the Dental Hygiene Program.

B. S. Degree Application Requirements

Applicant must:

1. Meet the admission requirements for West Liberty University. Applicants who meet these requirements will be formally notified by the Admissions Office.
2. Complete the Dental Hygiene Application by January 15.
3. Have completed one unit of high school or college chemistry and lab.
4. Have completed four units of high school mathematics (three must be Algebra 1 and higher)
5. Have completed one unit of high school or college biology and lab.
6. Maintain a minimum cumulative G.P.A. average of 2.8.
7. Earn a minimum grade of "C" in all science and mathematics courses completed.

**Admission to the B. S. degree program permits students the ability to enroll in science and chemistry pre-requisite courses, general studies, and track option coursework in preparation for the two year block of clinical courses.*

STUDENT-PARTNERS

Students accepted into Dental Hygiene must be physically capable to participate in student-partner laboratory sessions in all levels of clinic. Students must be able to perform the various clinic procedures, (instrumentation, ultrasonic scalers etc.) on a student as well as having the procedures performed on them.

SECURITY SCREENING FOR DENTAL HYGIENE STUDENTS

The West Liberty University Dental Hygiene requires a criminal background check as part of the admission process. A criminal background check will be required of all successful applicants. Criminal background checks are required to be completed before beginning the two-year professional block of dental hygiene courses. Additional information will be sent to the admitted students. Note: Dental Hygiene is not responsible for assuring that students meet licensure eligibility requirements. A previous criminal background may prohibit a student from obtaining licensure and/or employment despite successful completion of the Dental Hygiene Program.

SCHOLARSHIPS

Scholarships available to dental hygiene students are:

- Dr. E.J. Joseph Memorial Award presented annually to a student completing the first year of the professional program.
- Wheeling District Dental Society Scholarship is awarded annually to a first year and second year student who resides in Marshall, Ohio, Brooke or Hancock counties.
- Catharine H. Dorer Scholarship awarded annually to a first-year student who has shown a high degree of proficiency early in their training.
- Dental Hygiene Program Scholarship awarded annually to a first year student entering the second semester of the program who demonstrates scholastic excellence.
- American Dental Hygienists' Association Institute for Oral Health administers scholarship programs for full-time students at the associate and baccalaureate levels.
- Pallottini Memorial Scholarship is awarded to a first-year student who demonstrates a strong work ethic and professional promise.
- Washington/Greene County Dental Society Dental Hygiene Honor Scholarship provides financial assistance and recognition for a dental hygiene student from Washington or Greene County (Pennsylvania) who demonstrates strong work ethic and professional promise.
- Eastern Ohio Dental Society Dental Hygiene Honor Scholarship provides financial assistance and recognition to one dental hygiene student. The student selected must be a resident of Belmont, Harrison, Jefferson, or Monroe counties in Ohio. The award is applied to tuition and fees for the second year of the associate degree program.

ACADEMIC ACHIEVEMENT AND GRADUATION AWARDS

•SIGMA PHI ALPHA

Sigma Phi Alpha, the national honor society of the dental hygiene profession, recognizes scholarship, service, and character among students and graduates of dental hygiene.

• DENTAL HYGIENE PROGRAM AWARD

This award recognizes a graduating student who demonstrates outstanding comprehensive patient care in the clinic.

• STUDENT AMERICAN DENTAL HYGIENISTS' ASSOCIATION AWARD

This award recognizes a graduating student who has demonstrated an outstanding contribution to their class.

•HU-FRIEDY GOLDEN SCALER AWARD

This award recognizes outstanding clinical proficiency by a graduating student.

•COLGATE "STAR" AWARD

This award honors a graduating student for academic excellence and community service.

•WEST VIRGINIA DENTAL HYGIENISTS' ASSOCIATION AWARD

This award recognizes a first-year student who consistently demonstrates quality communication skills with patient education and a graduating student who demonstrates leadership and professionalism.

TRANSPORTATION

The student is required to arrange for his/her own means of transportation to and from the various off campus clinical and health education activities required in Community Dental Health II 370, Clinical DH 381 and Clinical DH 386.

INSURANCE

Students enrolled in the Professional Dental Hygiene program are covered by professional liability insurance by the State of West Virginia.

Students are not covered by accident or health insurance. If a student is not covered by their parent's (spouse's) policy, they are urged to purchase such insurance. The college is not responsible for accidents in privately owned vehicles used for transportation during Community Dental Health II 370, or Clinical DH 381 and 386 or other program related functions.

BUDGET

Refer to section on Tuition, Fees, and Financial Aid in catalog.

Expenses for a student enrolled in the Associate of Science Degree program include: uniforms, shoes, glasses with side shields, instruments, radiography equipment, x-ray monitoring badge, professional dues for the student organization, board examination fees, and a professional pin.

INTRODUCTION TO DENTAL HYGIENE I (D.H. 110)

An elective course may be taken prior to enrolling in the A.S. in Dental Hygiene.

ASSOCIATE IN SCIENCE IN DENTAL HYGIENE

The General Studies courses listed must be taken prior to completing the Associate Degree. Failure to complete the general studies requirements by the end of the second semester, second year, will result in not being eligible for graduation or clinical board examinations.

ENG 101 Freshman English I * 3
ENG 102 Freshman English II * 3
SOC 150 Basic Concepts of Sociology *..... 3
COM 101 Fund.of Oral Communication * 3
PSYC 101 Intro to Psychology * 3
15

First Year- First Semester
CHEM 100 Chemistry Health Prof..... 3
CHEM 101 Chemistry Lab Health Prof..... 1
BIO 204 Anatomy and Physiology for Dental Hygiene 3
BIO 205 Anatomy and Physiology for Dental Hygiene Lab 1
DH 156 Tooth Morphology..... 2
DH 155 Head & Neck Anatomy 2
DH 185 Clinical Dental Hygiene I 3
DH 186 Clinical Dental Hygiene I Lab 2
17

First Year - Second Semester
BIO 216 Microbiology Health Prof 3
DH 237 Radiography 1
DH 238 Radiography Lab..... 1
DH 285 Clinical Dental Hygiene II 2
DH 286 Clinical Dental Hygiene II Lab 2
BIO 330 Nutrition..... 3
DH 350 Pharmacology for the Dental Hygienist 2
14

Second Year - First Semester
DH 267 Dental Materials 1
DH 268 Dental Materials Lab 1
DH 325 Periodontology 2
DH 331 General and Oral Pathology..... 3
DH 360 Community Dental Health I 3
DH 380 Clinical Dental Hygiene III 2
DH 381 Clinical Dental Hygiene III Lab 3
DH 460 Pain Management 1
16

Second Year - Second Semester
DH 365 Ethics, Jurisprudence and Dentistry..... 1
DH 370 Community Dental Health II 2
DH 385 Clinical Dental Hygiene IV 3
DH 386 Clinical Dental Hygiene IV Lab..... 3
DH 390 Applied Concepts in Clinical Dental Hygiene..... 2
DH 440 Dental Literature Review..... 1
12

TOTAL..... 74 Sem. Hrs.

BACHELOR OF SCIENCE DEGREE OPTIONS

Students earning the Bachelor of Science Degree in Dental Hygiene must choose one of four tracks: Education, Gerontology, Management, or Marketing.

BACHELOR OF SCIENCE DEGREE IN DENTAL HYGIENE
Education Track

I. GENERAL STUDIES 48

II. REQUIRED PROFESSIONAL STUDIES 59

III. PROFESSIONAL SUPPORT 10
MATH 160 Introduction to Statistics.....3
BIO 124 Biological Principles.....3
BIO 125 Biological Principles Lab.....1
BIO 210 Essentials of Biomed Technology.....3

IV. GENERAL SUPPORT.....12
EDUC 201 Human Development.....3
SPED 241 Intro to Exceptionalities.....3
EDUC 293 Instructional Design for Middle and Secondary Student Learning.....3
EDUC 403 Instructional Media.....3

V. DENTAL HYGIENE COURSES 4
DH 466 Practice Management 2
DH 450 Senior Research 2

VI. ELECTIVES TO TOTAL..... 128 Sem. Hrs.

BACHELOR OF SCIENCE DEGREE IN DENTAL HYGIENE
Gerontology Track

I. GENERAL STUDIES 48

II. REQUIRED PROFESSIONAL STUDIES 59

III. PROFESSIONAL SUPPORT 10

IV. GENERAL SUPPORT.....12
Select four (4) of the following courses: GERO 100, GERO 200, GERO 280, GERO 290, GERO 300, GERO 340, GERO 350, GERO 360, GERO 370, GERO 400, GERO 410, DH 478 or DH 479

V. DENTAL HYGIENE COURSES 4
DH 466 Practice Management 2
DH 450 Senior Research 2

VI. ELECTIVES TO TOTAL..... 128 Sem. Hrs.

BACHELOR OF SCIENCE DEGREE IN DENTAL HYGIENE
Management Track

I. GENERAL STUDIES 48
* GBUS 140 Intro to Business is required for students completing management track.

II. REQUIRED PROFESSIONAL STUDIES 59

III. PROFESSIONAL SUPPORT 10

IV. GENERAL SUPPORT.....12
ACC 224 Principles of Financial Acct. 3
MGT 350 Principles of Management.....3
Select two from the following:
MGT 353 Small Business Management.....3
MGT 474 Organizational Behavior 3
MGT 475 Human Resources Management.....3

V. DENTAL HYGIENE COURSES 4
DH 466 Practice Management 2
DH 450 Senior Research 2
* Electives

** It is recommended students take CIS 271.*

VI. ELECTIVES TO TOTAL..... 128 Sem. Hrs.

BACHELOR OF SCIENCE DEGREE IN DENTAL HYGIENE
Marketing Track

I. GENERAL STUDIES 48
* GBUS 140 Intro to Business is required for students completing marketing track.

II. REQUIRED PROFESSIONAL STUDIES.....59

III. PROFESSIONAL SUPPORT 10

IV. GENERAL SUPPORT.....12
ACC 224 Prin.of Financial Accounting.....3
MKT 331 Principles of Marketing 3
Select two from the following:
MKT 322 Professional Selling 3
MKT 336 Advertising 3
MKT 340 Consumer Behavior 3

V. DENTAL HYGIENE COURSES 4
DH 466 Practice Management 2
DH 450 Senior Research 2
* Electives

** It is recommended students take CIS 271.*

VI. ELECTIVES TO TOTAL ..... 128 Sem. Hrs.

BACHELOR DEGREE COMPLETION PROGRAM

The Degree Completion Program provides the opportunity for dental hygienists who have a certificate or an Associate degree from an accredited dental hygiene program to earn a Bachelor of Science Degree in Dental Hygiene. The program offers the licensed and practicing dental hygienist the opportunity of advancing professional knowledge and skills, combined with an optimal general education. The main objective of the program is to enable the graduates to broaden their career options.

Students may enroll in a full or part-time arrangement. Students attending on a part-time basis must complete the program within six years after initial entrance to WLU.

ADMISSION REQUIREMENTS (DEGREE COMPLETION PROGRAM)

1. Applicants to the program are expected to fulfill the admission requirements listed in the catalog section titled Admissions and Academic policies.
2. Applicant must be a graduate of an accredited associate degree or certificate dental hygiene program.
3. A minimum overall grade point average of 2.5 is required.
4. Official college transcripts of all college work completed to date must be submitted with an application to the Program Director of Dental Hygiene.
5. A license to practice dental hygiene in a minimum of one state is required to enter this program.
6. An admission interview is required for each applicant. Appointments can be made by contacting the Program Director at (304) 336-8030.
7. Applicant must have recommendation letter(s) from the employer(s) of their most recent dental hygiene position or the Chairperson of the Program, where two-year dental hygiene degree completed.
8. Applications must be received no later than July 1 of the academic year of admission to the university.

NURSING

Dr. Rose Kutlenios, Program Director

This institution offers a bachelor of science in nursing degree, accredited by the Commission on Collegiate Nursing Education (CCNE)*, for high school graduates and registered nurses. The program incorporates various educational opportunities to prepare students to be professional nurses. The highly qualified faculty, comprehensive curriculum and clinical learning experiences in dynamic health care agencies contribute to making this nursing program one of high quality.

Graduates of this program who were not previously registered nurses are eligible to apply to write the examination for licensure as professional registered nurses. They will be qualified to practice at entry-level positions in a variety of health care settings. All graduates of the program possess a sound knowledge base for the continuation of their nursing education at the master's level.

VISION

The vision of the West Liberty University Nursing Faculty is to be a state and regional leader in providing excellence in professional nursing education.

PROGRAM OUTCOMES

Graduates will be able to:

1. Provide safe, holistic, patient-centered care to promote wellness across the lifespan.
2. Synthesize current evidence and clinical reasoning in planning, implementing, and coordinating patient-centered care.
3. Collaborate with members of the interprofessional healthcare team to meet the needs of patients in a variety of healthcare settings.
4. Participate in quality improvement and safety processes as a nurse leader in a healthcare system.
5. Incorporate effective use of information and technology in nursing practice.
6. Demonstrate professional behaviors within the legal and ethical standards of nursing practice.

** Commission on Collegiate Nursing Education*
One Dupont Circle, NW
Suite 530
Washington, DC 20036-1120

Phone: 212.887.6791
Fax: 202.887.8476
www.aacn.nche.edu/accreditation

OPPORTUNITIES IN PROFESSIONAL NURSING

A career in professional nursing offers a world of opportunities to its members. Baccalaureate-prepared registered nurses are employed in a variety of settings, ranging from hospitals to community agencies, and are eligible for commission in the armed services. Nurses are able to find employment settings which match personalities, interests, and lifestyles. Hospitals and long-term care facilities usually allow nurses to select positions in their areas of interest in nursing.

Nurses who prefer being employed in the community are able to consider positions such as school nurse, home health nurse, public health nurse, and clinic nurse. While these settings offer a wide range of choices to nurses, other professional roles are also available.

Nurses may be interested in a particular area of specialization in nursing. Examples of nursing specialties include mental health, maternal-child health, critical care, oncology, and rehabilitation.

Most of these career opportunities are readily available to registered nurses. Other career options become available to nurses who continue their education at the graduate level. Positions in nursing education, nursing administration, and advanced nursing practice are examples of these career options.

ADMISSION TO THE NURSING PROGRAM

Entry Level Students
ADMISSION PROCEDURE AND REQUIREMENTS

1. Persons desiring to study nursing at West Liberty University must be admitted to the university, declaring Nursing as their major.
2. Application to the Nursing Program may be made during the second semester of the sophomore year. Admission criteria includes:
   a. ACT composite score of 20 or combined minimum score of 930 on the SAT.
   b. Satisfactory completion of a pre-admission examination selected by the Nursing Program. Details are available in the Nursing office.
   c. Cumulative G.P.A. of 3.0 upon completion of at least 42 hours of credit
   d. A grade of "C" or higher in all science prerequisite courses: BIO 124/125; CHEM 100/101 or CHEM 110/111; BIO 212.

The Nursing Academic Standards Committee reviews applications and notifies the candidate of its decision. Students desiring priority consideration should submit all application materials by **February 1**.

3. Students not meeting initial requirements for admission to the nursing program may re-apply.
4. Full admission to the Nursing Program will occur at the completion of the sophomore year and includes:
   a. Satisfactory completion of all general studies courses and nursing support/ prerequisite courses.
   b. A grade of "C" or higher in each science course (BIO 214, BIO 216) and the prerequisite nursing courses (NUR 202 and NUR 203).
   c. A background check with "unremarkable" findings and a drug screen with "clean" results (from a specifice vendor).

NOTE: The West Virginia Board of Examiners for Registered Professional Nurses reserves the right to deny a license to practice registered professional nursing to persons who abuse alcohol and/or drugs, have been convicted of a felony or engaged in other improper activities as stated in Article 7, Chapter 30, Section 11, Code of West Virginia.

Registered Nurse Students (RNs)
ADMISSION PROCEDURE AND REQUIREMENTS

1. RN applicants to the Nursing Program must first be accepted by WLU.
2. Upon acceptance to the University, RN students must apply to the Nursing Program. Application are available online. Applicants will be reviewed by the Nursing Academic Standards Committee and will be notified regarding its decision.
3. Applicants must submit their school of nursing transcripts, and all additional university transcripts to the Office of Admissions.
4. RN ADMISSION REQUIREMENTS INCLUDE:
   A. Meet the general requirements for admission to the University.
   B. Graduate from an approved/accredited associate degree or diploma program in nursing as evidenced by an official transcript.
   C. Valid professional nursing license in West Virginia or be eligible for licensure in West Virginia.
   D. Cumulative G.P.A. of 2.00 or higher for all previous college courses.
   E. The Nursing Academic Standards Committee requires a completed health record prior to the first off campus clinical experience and reserves the right to require such additional information, examinations, or measures of eligibility as may be necessary.

ADDITIONAL RN CLINICAL COURSE REQUIREMENTS

Prior to enrollment in clinical nursing courses, the RN student must give evidence of:

• Current West Virginia professional nurse licensure and for any state in which clinical practice is arranged.

• RN liability insurance.

BACHELOR OF SCIENCE IN NURSING

GENERAL STUDIES ..... 45 Sem. Hrs.
Must take MATH 160 and PSYC 101

SUPPORT COURSES

BIO 212/214 Anatomy & Physiology I /Lab..... 6
BIO 216 Micro..... 3
PSYC 252 Lifespan Development..... 3

*Transfer students or students enrolled in the accelerated BSN program for RNs who successfully completed an anatomy/physiology and/or microbiology course through an accredited college may substitute such credit, if the course is determined to contain sufficient content knowledge needed for the Bachelor of Science in Nursing courses.

Pre-Nursing Courses for Entry Level students

Sophomore

NUR 202 Intro to Professional Nursing 2
NUR 203 Medical Terminology 1

Junior

NUR 309 Health Assessment 3
NUR 313 Evidence-Based Practice..... 3
NUR 314 Gerontological Nursing 3
NUR 315 Professional Nursing I..... 4
NUR 317 Clinical Nursing I..... 3
NUR 318 Drug Calculations 1
NUR 320 Pharmacology..... 4
NUR 322 Informatics 2
NUR 323 Professional Nursing II..... 7
NUR 324 Clinical Nursing II..... 4

Senior

NUR 405 Population-Based Health 2
NUR 406 Professional Nursing III..... 7
NUR 407 Clinical Nursing III..... 5
NUR 409 Nursing Synthesis I..... 2
NUR 436 Professional Nursing IV (first 8 weeks)..... 3
NUR 437 Clinical Nursing IV (first 8 weeks)..... 2
NUR 438 Leadership and Management..... 3
NUR 439 Nursing Synthesis II..... 3
NUR 440 Capstone 4
TOTAL..... 125 Sem. Hrs.

Nursing courses for RN-BSN only:

HS 302 Healthcare Informatics..... 3
NUR 362 Evidence-Based Methods..... 3
NUR 390 Nursing Transition..... 3
NUR 391 Advanced Health Assessment 3
NUR 392 Quality and Safety 3
NUR 393 Geriatric Nursing..... 3
NUR 411 Population Health..... 4
NUR 450 Healthcare Systems..... 3
NUR 474 Ethical and Legal Issues..... 3
NUR 483 Nurse Leadership Role 4

RN-BSN STUDENTS

The baccalaureate degree for nursing is available to RN students in an accelerated time frame. It is designed primarily for working RNs who have completed approximately 60 hours of college credit. Nursing classes are provided at the Highlands Center and online. More detailed information can be obtained from the Nursing office.

All RNs requesting admission to the accelerated RN-BSN program will receive 30-31 undifferentiated nursing credits for lower division nursing coursework based on current registered nurse license and graduation from an accredited school of nursing within the past 10 years or employment as an RN within the past three years.

BIO 330 is required to fulfill the general studies biology for RN students. RN students may use any physical science course listed in the general studies section of the B.S. degree to fulfill the Physical Science General Studies requirement.

The science lab course and physical education course in General Studies are not required for the RN-BSN students only.

THE SCHOOL NURSE PROGRAM

West Liberty University is approved to offer the School Nurse Program by the W.Va. Department of Education. Three courses unique to this program are offered for students pursuing or holding a BSN degree. Completion of these three courses, successful completion of the Pre-Professional Skills Test, and possessing an RN license will enable the candidate to apply for state certification as a school nurse in West Virginia.

Students enrolled in either the basic BSN or accelerated RN Program at West Liberty University must complete the following courses:

NUR 478 ST: School Health Nursing -----2
SPED 241 Intro to Exceptionalities -------3
EDUC 409 School Law & Organization --1

POLICIES

Attendance

Attendance is required for all scheduled learning experiences. Any clinical absence(s) may interfere with the student's ability to complete the course satisfactorily. Alternate clinical experiences may be required for absence from clinical. Situations resulting in absences beyond the student's control from class, laboratory, and clinical experiences will be evaluated on an individual basis by the nursing faculty. Clinical course syllabi will address provisions for clinical delays or cancellations that affect scheduled learning experiences.

Students should inform the appropriate faculty member prior to being absent or tardy. Upon return from an absence, it is the responsibility of the student to contact the appropriate faculty member regarding any assignments. Inability to meet the course objectives will result in failure of the course.

Tardiness is defined as not being in the assigned area within ten (10) minutes of the assigned time and is unacceptable. A student arriving late for a scheduled test/quiz will be permitted to write the test/quiz in the remaining allotted time. Early departures is defined as "not returning post break;" or prior to dismissal (class or clinical). Early depature is unacceptable. Appointments should not be scheduled during class/clinical time.

Early departures and tardiness are considered absences from class/clinical.

Promotion and Retention

In order to remain in good academic standing in the Nursing Program, a basic nursing student must achieve a minimum grade of "C" or "PASS" in all West Liberty University nursing courses. The student must also maintain a cumulative G.P.A. of 2.50 or higher for all West Liberty University nursing curriculum courses attempted. If any of the above minimum grades or cumulative G.P.A. is not earned, continuation in the program will be delayed.

If a student fails or withdraws from a course that has a companion course, the student will have to repeat both companion courses. Nursing students are permitted to repeat one nursing curriculum course in which they have earned an unsatisfactory grade (D, F, WF, FI). Upon earning a second unsatisfactory grade in a nursing curriculum course, the student is immediately, permanently dismissed from the Nursing Program.

Transfer Students: Promotion and Retention

Transfer students accepted into the Basic Nursing Program with a grade of D, F, FI, WF in a nursing curriculum course deemed equivalent to a specific course in the West Liberty University nursing curriculum will be considered to have one failing grade upon entry into the Program. They will be required to repeat the course. A second grade of D, F, FI, or WF in any nursing curriculum course will result in permanent dismissal from the Nursing Program.

The grade for any nursing course that is not equivalent to any specific course in the West Liberty University nursing curriculum will not be used in the computation of the nursing G.P.A. and will be considered a general elective only.

Professional Conduct

The nursing faculty believes that students must consistently display professional attitudes and behaviors in accordance with the Student Handbook. In addition to above-mentioned standards of conduct, nursing students are accountable for avoiding impaired, incompetent, and negligent practice at all times. Demonstrated failure to meet these standards may be grounds for dismissal.

The nursing faculty comply with the requirement that "Students shall adhere to the standards for professional conduct as stated in 19CSR10 Standards for Professional Nursing Practice" (state of West Virginia Code and Legislative Rules, Registered Profession Nurses, July 2009). The W.Va. Board of Examiners for Registered Professional Nurses also has the authority to discipline a student in a state approved nursing program in accordance with the West Virginia Code and Legislative Rules for Registered Professional Nurses.

Professional Development and Community Service

Each nursing major must participate in professional development and community service activities as part of graduation requirements. A listing of acceptable activities is described in the Nursing Program Student Handbook. The Program Director, Nursing shall determine the appropriateness of each student's professional activities and community service. Additional professional development activities not identified in the Guidelines will be considered on an individual basis. Failure to comply with this requirement will delay graduation until the requirement is fulfilled.

Part-time Study

Students may enroll for part-time study. Faculty in the Nursing Program will assist the part-time student in planning for logical progression through the curriculum. If a student is not graduated after six years, the terms of the new catalog may apply and may require changes in the original curriculum plan developed for the student.

Incomplete

At the discretion of the instructor, an incomplete (I) grade may be given to a student who is passing a course but for valid reasons is unable to meet all course requirements. The method of removal of the incomplete grade is determined by the faculty member. If the incomplete grade is not removed according to university policy, the grade will become a failure.

Transfer

Placement of students who transfer to the nursing program at West Liberty University will be determined on an individual basis by the Nursing Academic Standards Committee. Advanced standing is given following review of transcripts, nursing course descriptions, and or nursing

course syllabi, and in some cases achievement testing. Students must meet WLU admission and Nursing Program admission, and progression requirements as well as:

1. Provide transcripts from previous schools and evaluation by the WLU Admissions Office for the Nursing Academic Standards Committee.
2. Complete a minimum of 15 credits in nursing from West Liberty University and other general requirements for graduation as outlined in the University catalog.

Transfer Credit for Non-Nursing Courses

The student may receive transfer credit for non-nursing courses taken in any regionally accredited post-secondary institution of higher education. The student must request evaluation of these courses at the time an application is submitted to the Admissions Office of West Liberty University.

Dismissal

A student may be dismissed from the Nursing Program for academic, clinical, or professional conduct reasons. The Faculty of the Nursing Program reserves the right to dismiss a student who does not meet the standards described in the Promotion and Retention and/or Professional Conduct policies. Students who have been dismissed may appeal dismissal according to WLU policies. If not appealed or if dismissal is upheld after appeal, dismissal from the Basic Nursing Program is permanent, and students dismissed are not eligible to reapply to the Basic Nursing Program. Nursing Program standing is separate from that of the institution so dismissal from Nursing may not affect a student's good academic standing with the University.

Graduation

Candidates for a bachelor of science in nursing degree must complete a minimum of 125 semester hours including the required courses in the BSN curriculum. A cumulative grade point average of 2.50 or higher must be achieved in all the nursing curriculum courses attempted in order to graduate. The required professional development and community service activities must be validated, and all University graduation requirements must be met. Upon graduation, the nursing pin and cap that symbolize graduates of West Liberty University will be available. Various graduation awards are given to the graduates selected for these honors.

Student Rights

The policies, rules, and regulations regarding academic student rights are contained in the Handbook of Student Information and Policies. Should any nursing student wish to appeal any faculty committee decision about Suspension or Dismissal, such appeals must be submitted in accordance with the University policy, which is found in the Student Handbook.

Leave of Absence

A student desiring a leave of absence should arrange for an appointment with the Program Director, Nursing, to discuss the situation. Attempts will be made to assist the student to meet the requirements of nursing courses, if the duration of the leave of absence results in less than two weeks of the semester and the student has a passing grade in the nursing courses. Students anticipating a longer leave of absence should refer to the WLU Withdrawal Policy and complete all necessary forms for withdrawal from WLU. The forms are available in the Registrar's office.

Individuals who leave the program in good academic standing and desire readmission after a one semester leave of absence will be given preference for readmission to the nursing program.

If a student plans to return after a leave of absence, the Academic Standards Committee must be notified in writing at the earliest possible time to ensure an opening in the class.

Readmission

Application for readmission should be made to the Nursing Academic Standards Committee following the admission procedure. Materials to be submitted for readmission will be determined on an individual basis. Individuals must be readmitted to the University before they will be considered by the Nursing Program. Students who have dropped out or withdrawn from the program need to submit a letter to the Academic Standards Committee requesting readmission at least three months in advance of their re-entrance date. Because the class size is limited, individuals are encouraged to make their requests early. Students who have withdrawn from the program with passing grades in nursing will be given preference for admission into nursing courses. Readmission will be decided by the Nursing Academic Standards Committee on a space available basis. Students absent for more than one year may be required to audit courses previously taken and/or validate prior learning. A current health examination may also be required.

The Nursing Academic Standards Committee will consider the readmission of students who were dismissed from the Basic Nursing Program for academic reasons to the Accelerated BSN Program after they have graduated from another accredited nursing program and are licensed as registered nurses.

Health Examination

Each student must have a Health Record completed prior to admission to the Nursing Program. Any cost incurred for the physician's examination, required laboratory tests, and/or vaccinations are the responsibility of the student. A repeat health examination may be required on reapplication to the program, especially if the student left for health problems. Faculty reserve the right to dismiss students from class or clinical experience for overt health problems. Student cannot participate in clinical experiences until health records are completed.

Cardiopulmonary Resuscitation (CPR)

All students enrolled in the Nursing Program must achieve and maintain current valid certification in CPR. This certification must be earned prior to the first off-campus clinical course and renewed as necessary to remain valid during enrollment in the Program.

The Nursing Program Academic Standards Committee requires a completed health record and completion of CPR (American Heart Association, Health Care Provider or American Red Cross CPR/AED for the Professional Rescuer) prior to the first off-campus clinical experience. The student must present current updates of this certification at the beginning of each semester.

Clinical Attire

Students are required to wear student uniforms designated by the Nursing Program during most off-campus clinical courses. Additional information is provided in the Student Handbook of the Nursing Program.

Students are expected to maintain a professional image. The faculty reserves the right to require students to modify their attire if, in the faculty judgment, it is not acceptable.

Transportation

Students are responsible for providing their own transportation for learning experiences. A majority of the clinical laboratory courses are held off-campus in area health care facilities.

Liability Insurance

Students are covered by professional liability insurance provided by the State of West Virginia. Students are not covered for the cost of materials or equipment broken or damaged while participating in clinical laboratory courses and shall be responsible for reimbursing the facility through the office of the Program Director, Nursing.

Health Insurance

Students who are not covered by a health insurance plan are encouraged to obtain an insurance policy. Assistance in obtaining this type of insurance is available from the Office of the Vice President of Student Affairs.

Background Checks

Students will be screened by a third-party vendor prior to admission. Screening will include criminal background, residency history, social security verification, fraud and abuse, and sexual offender registry, and a drug screen.

Recruitment

Recruitment materials and presentations accurately represent the Nursing Program. Students are fully informed of the admission criteria of the Program during recruitment activities. Additionally, the Program follows the University's guidelines for recruitment as directed by its institutional and program accrediting agencies.

Student Records

Student records are maintained for all students and graduates of the program in locked, fire-resistant metal files.

SCHOLARSHIPS AND LOANS

Various nursing scholarships, academic achievement awards, and loans are available or awarded to qualified students when funds are available.

SCHOLARSHIPS:

1. *Dorothy Long Scholarship*, available to sophomore/ junior nursing students.
2. *Nancy K. Martin Scholarship*, available to sophomore/ junior nursing students.
3. *Nursing Scholarships*, available to incoming sophomore/ junior, and senior nursing students.
4. *Human Touch*, available to junior nursing student.
5. *West Virginia Center for Nursing,* available to applicants obtaining second degree. Award based on availability of funding.
6. *Don L. Seamon Memorial Scholarship*, availabe to sophomore/junior nursing students.

ACADEMIC ACHIEVEMENT AWARDS:

Nursing Academic Achievement Award, awarded to one student in each class, including incoming freshmen.

EDUCATIONAL ASSISTANCE:

1. Ohio Valley Medical Center (OVMC), Wheeling, has a financial assistance program available to junior and/or senior nursing student. Students may apply through the nursing department at OVMC.
2. Virginia Kasley Student Loan from the Ohio Valley General Hospital School of Nursing Alumni Association, available to students accepted into the program.
3. Jean Seabright Loan Program from the Ohio Valley Medical Center, Wheeling, available to RN students.
4. The Paramedical Career Loan Fund from the Alliance to the Ohio County Medical Society, available to all students accepted into the nursing program.
5. Federal Nursing Loans, available through the Financial Aid Office at low interest rates.

Applications and additional information regarding specific eligibility requirements for each scholarship, award, and loan are available in the Nursing Program.

BUDGET

In addition to university tuition and fees, nursing students are responsible for the following approximate expenses:

ITEMS	***COST ****
Uniforms and accessories	$300
Additional fees apply to nursing students	Varies
Nursing Pin & Cap	Varies
State board fees for Licensure	Varies (state to state)

** Subject to change without notice.*

GRADUATION AWARDS

Graduation awards are presented to senior nursing students at their Pinning Program: Pauline F. Sonneborn, Nightingale, Sharon Smarrella Outstanding Nursing Graduate, and Sally H. Eberhard Award.

Pauline F. Sonneborn

The Pauline F. Sonneborn Award was established in May, 1957 by the Sonneborn family in honor of their mother. The award is given to a graduating senior displaying outstanding professional, personal, and social attributes.

Nightingale

The Nightingale Award was established in May, 1974 by Joseph H. Strauss in the name of his family to be awarded to a graduating nursing student selected on the basis of clinical excellence.

Sharon Smarrella Outstanding Nursing Student Award

The Sharon Smarrella Outstanding Nursing Student Award was established in May 1999 by the West Liberty Nursing Program faculty in memory of Sharon Smarrella, who was a faculty member in the West Liberty Nursing Program for four years. The nursing faculty contribute to provide this award

annually to an outstanding graduating senior who displays caring and a commitment to the profession of nursing.

Sally H. Eberhard Award
The Wheeling Hospital Sally H. Eberhard Award was established by Wheeling Hospital in 2005 to honor Dr. Sally H. Eberhard, a former West Liberty faculty member. The award is given annually to a graduating senior who displays a commitment to lifelong learning.

Eastern Star Award
The Eastern Star Award is a gift of money to an exemplary graduating RN student.

PRE-PROFESSIONAL SPEECH PATHOLOGY-AUDIOLOGY Bachelor of Science

Dr. Steve R. Domyan, Program Coordinator

The Department of Health Sciences offers a four-year undergraduate program of study in Speech-Pathology-Audiology (SPA). Impairments of communication — speech, language, and hearing disorders – are among the most prevalent of human disabilties. Speech-Language Pathology and Audiology are areas of professional specialization which focus on the development, identification and treatment of communication disorders.

The basic goals of the Pre-Professional Speech Pathology-Audiology Program are:
1. To further the understanding of human communication processes and of communication disorders through instructional programs, professional and community service activities.
2. To prepare students academically for graduate education in Speech-Language Pathology-Audiology.
3. To provide a background for those students who wish to pursue a career in a related professional such as Speech-Language Pathology Assistant, deaf education, special education, medicine, or simply to study Speech Pathology and Audiology as an undergraduate major.

The undergraduate program is pre-professional in nature and is designed to prepare the students for graduate Teacher Education in speech-language pathology-audiology. Because the bachelor of science degree does not qualify the student to be employed as a certified or licensed Speech Pathologist or Audiologist, the student must plan for enrollment in a master's degree program in order to complete their professional preparation.

Completion of the requirements for a bachelor's degree at West Liberty University, together with the completion of a professional master's degree program in Speech Pathology, typically satisfies the academic and practicum requirements of the American Speech-Language-Hearing Association for a Certificate of Clinical Competence in the area studied in graduate school (speech, language or audiology).

West Liberty University, the Department of Health Sciences and the Speech-Language Pathology-Audiology Program strive to insure a well-rounded education which develops both the scientific and humanistic aspects of graduates. The curriculum integrates a sequence coursework with courses designed to provide a basic understanding *of* normal communication processes and an introduction to audiology and speech-language pathology. The major area of concentration can be supplemented with coursework in the areas of education, gerontology, health sciences, psychology, and linguistics. These supplements broaden perspectives and support diverse career choices. Students are provided the fundamentals necessary for graduate study. The program encourages students to think clearly and objectively, preparing them to solve problems as professionals through effective interpersonal and literacy skills.

Each of the Department of Health SPA faculty members have national clinical certification in speech-language pathology and/or audiology, sign language, deaf counseling and rehabilitation. The varied educational, employment, research and clinical backgrounds of the faculty offer the student medical, rehabilitative, and educational perspectives relating to the diagnosis and treatment *of* communication disorders.

Admission
Admission of students to the Pre-Professional Speech Pathology-
Audiology program is determined following admission to the university. It is recommended but not required that those students interested in SPA meet the following requirements:

a. High School G.P.A. of 3.3 or better on a 4.0 point scale
b. Enhanced ACT composite score of 20 or combined minimum score of 930 on the recentered SAT
c. Satisfactory ACT/SAT math score as defined in the University course catalog

Upon acceptance by the university, the student is enrolled in the introductory SPA courses required of all SPA majors.

Probation
Student progress will be reviewed following the report of the grade point average each semester. Each student earning below a 3.00 will be notified. The student is then required to meet with the Director of SPA within ten (10 days) of receiving the notice concerning the grade point average.

Admission to a graduate program typically requires a grade point average of 3.3 or higher in the undergraduate major, so a high level of academic performance is strongly encouraged at WLU.

Expulsion/Removal from the SPA Pre-professional Program
Any student who is found to be cheating, plagiarizing, or fabricating any tests, presentation, papers, or documents will be immediately removed from the SPA program and presented to the College Dean.

Practicum
During clinical practicum or observation the students are expected to maintain a professional image. The student must consistently display professional attitudes and behaviors in accordance with the West Liberty University policies found in the Student Handbook. Appropriate appearance and attire is required when participating in clinical practicum or observation. The student is responsible for maintaining a professional attitude and avoiding incompetent and negligent practice at all times. Failure

to meet these standards may be grounds for dismissal. A background check of SPA students will be required prior to the clinical practicum. A fee may be assessed for this service.

BACHELOR OF SCIENCE
SPEECH PATHOLOGY and AUDIOLOGY (SPA)

I. GENERAL STUDIES Bachelor of Science 48

II. SPEECH PATHOLOGY-AUDIOLOGY COURSES .. 59
A. Required Core Courses 44
SPA 150 Phonetics 3
SPA 151 Survey of Communication Disorders 3
SPA 152 Introduction to Acoustics 3
SPA 156 Anatomy of Speech & Hearing 4
SPA 250 Language Development 3
SPA 251 Intro to Clinical Practice - Audiology 2
SPA 252 Sign Language I 3
SPA 254 Articulation and Phonological Disorders 3
SPA 255 Speech Science 3
SPA 300 Neuroanatomy-Neurophys Speech and Hearing 3
SPA 308 Voice and Fluency Disorders 3
SPA 315 Audiology Practicum 2
SPA 316 Language Disorders: Children and Adolescent .. 3
SPA 355 Aural Rehabilitaton 3
SPA 402 SPA: Practicum/Observation 3

B. SPA Electives 15
SPA 310 Comm. Problems of Aged 3
SPA 352 Sign Language II 3
SPA 354 Intro to Identif. Audiometry 3
SPA 400 Speech-Language Services in Education Settings 3
SPA 401 Speech-Language Services in Health Care Settings 3
SPA 403 Clinical Practicum in Comm. Disorders: Schools 3
SPA 404 Clinical Practicum in Comm. Disorders: Healthcare 3
SPA 430 Diagnostic Principles and Techniques 3
SPA 452 Advanced Sign Language 3
SPA 455 Prin.of Speech/Language Intervention 3
SPA 478 Special Topics 1-3
SPA 479 Special Problems 1-3

III. PREFERRED ELECTIVES 21
Select electives from the following areas:
- A. Education
- B. Psychology
- C. Statistics
- D. Linguistics
- E. Gerontology
- F. Other General Electives

TOTAL .....128 sem. hrs.

For further information concerning the Speech Pathology-Audiology Program, please visit the website or call 304.336.8108.

DEPARTMENT OF PHYSICIAN ASSISTANT SCIENCES

Master of Science in Physician Assistant Studies (MSPAS)

Allan Bedashi, Program Director

Mission Statement

The West Liberty Physician Assistant Program is committed to providing affordable, high-quality education to physician assistant candidates, who as an integral part of the health-care team, will provide empathetic and superb care to the patient population, especially to those in underserved areas.

General Goals

Graduates of the Master of Science in Physician Assistant Studies will:

- Be clinically competent primary care physician assistants who practice evidence-based medicine.
- Reflect the highest standards of compassionate, legal, ethical, and moral conduct.
- Be team-oriented, culturally sensitive providers who are dedicated to their communities.
- Encourage improvement in the quality, accessibility, and cost-effectiveness of patient care in their community and state.
- Be critical-thinking and effective communicators with both patients and health care professionals.
- Identify the lack of medical care in rural and underserved regions and consider practicing their discipline or providing service in such locations.
- Have an appreciation of the greater field of knowledge beyond their discipline and recognize the importance of lifelong learning in maintaining a level of excellence in their practice.

Program Objectives

The Master of Science in Physician Assistant Studies degree program is intended to prepare entry level medical professionals to assist the primary care physician with all medical and patient care responsibilities within the health care system, especially for rural and underserved populations. In order to accomplish this all-encompassing, student-based objective, the program will prepare the student to:

- Practice cognitive skills specific to the systematic diagnostic process.
- Practice problem-solving skills specific to the systematic diagnostic process.
- Practice patient care methodologies consistent with Accreditation Review Commission on Education for the Physician Assistant (ARC-PA) guidelines.
- Understand all ethical considerations within the field.
- Critically analyze clinical literature and methodologies.
- Perform literature reviews critical to maintaining currency within the field.
- Engage in community interaction.
- Provide attainable health care in rural and underserved regions.

The Master of Science in Physician Assistant Studies degree program will also:

- Establish cooperative and productive relationships with other schools, departments, and programs within the University, clinical affiliates and preceptor sites.
- Implement continuous and periodic self-study which will provide ongoing monitoring, evaluation and improvement of program activities.
- Encourage and provide opportunities for continued professional growth and development for Physician Assistant faculty.

Admission Requirements

Students qualified to apply to the West Liberty University Master of Science in Physician Assistant Studies degree program will have:

- A Bachelor's degree
- A minimum grade point average of 3.0 overall and a 3.0 grade point average in science, on a 4.0 scale
- One year of General Chemistry with laboratory (8 units minimum), or individual courses in Inorganic Chemistry, Organic Chemistry and Biochemistry with lab (8 units minimum); Note. a single, combined course in organic, inorganic and biochemistry will not meet this requirement)
- Microbiology with laboratory (minimum of 4 credits with lab)
- One year of Anatomy and Physiology with laboratory (minimum 8 units)
- A psychology course (General, Introductory or Developmental)
- A course in the Humanities/Social Sciences
- 1 year of English or Writing
- College level Algebra, Pre-Calculus, Calculus or Statistics (one course)
- Basic computer literacy including the ability to use Microsoft WORD, e-mail, and conduct web-based and electronic database searches

Foreign Students

- Students from non-English speaking countries and those whose primary language is not English must provide **Evidence of English Language Proficiency**.
- Three letters of recommendation will also be required; at least one of these must be from a person with whom the applicant worked or from a professor. The reference letters must address the applicant's personal qualities, ability to work with others, and ability to be an empathetic provider.
- A personal statement addressing the individual's motivation for entering the program and expectations from the program will be evaluated.

In addition to the requirements listed above, please submit.

1) Proof of English Proficiency. Please submit one of the following test results:

- Test of English as a Foreign Language (TOEFL). a minimum score of 80 for the Internet-based test (IBT), or 550 for the paper-based test (PBT)
- International English Language Testing (IELTS). 6

- EIKEN. Grade Pre-1
- Pearson Test of English. (PTE) Academic. 54

2) Credit Certification. Have all your coursework and credits from institutions outside of the United States evaluated by a credential evaluation service provider (e.g. World Education Services (WES), Global Credential Evaluators (GCE), Association of International Credentials Evaluators (AICE), American Association of Collegiate Registrars and Admissions Officers (AACRAO), etc.

3) Proof of Financial Support. Submit adequate documentation of financial support for one academic year (12 months). (E.g. Official bank statement, sponsorship award letters, scholarship awards, Affidavit of Support (DHS Form I-134), etc.

4) Copy of your ID page in your passport.

Technical Requirements

Candidates are reviewed for admission into the program on an individual basis. In addition to meeting the academic, professional, and administrative requirements, candidates must also have the ability to develop the intellectual capacity and technical skills required to perform the functions of a practicing physician assistant. Candidates who are accepted as students in the physician assistant program must meet the following standards.

Observation

The student must have sufficient vision to be able to observe demonstrations, experiments, laboratory exercises, visual presentations and computer-facilitated instruction. He or she must be able to differentiate between normal and pathological states and distinguish between colors. In addition, the student must be able to observe patients closely and at a distance. Observation necessitates the complimentary use of smell, touch and hearing.

Communication

The student must be able to speak, hear, read and write in order to elicit and exchange information with patients, family members, and other health care providers. He or she must be able to perceive verbal and non-verbal cues as it pertains to patients' conditions. In addition, the student must be able to facilitate the flow of information with respect and sensitivity towards faculty, patients, families, and other members of the health care team.

Motor

The student must have the motor control and coordination to perform physical examinations through inspection, palpation, auscultation and percussion in order to elicit information. He or she must be able to perform laboratory procedures, clinical skills and diagnostic maneuvers, with and without the use of equipment. In addition, the student must be able to bend, manipulate, lightly lift to approximately twenty-five pounds, and assist patients.

Intellectual, Conceptual, Integrative, and Quantitative

The student must have the ability to comprehend, memorize, interpret, analyze and synthesize information presented in the classroom, laboratory and clinical settings. He or she must also be able to measure, calculate, formulate, reason and make diagnostic and therapeutic decisions. The student must be able to assimilate and integrate information though a variety of modalities such as classroom instruction, group interaction, research, individual study, and presentations. In addition, the student must be able to integrate the use of computer programs and web-based resources into learning.

Behavioral and Social Attributes

The student must have the emotional health for full utilization of his or her intellectual capabilities, to exercise good judgment, to promptly complete all responsibilities and assignments attendant to the diagnosis and care of patients, and the deportment to exercise sensitive, empathic, mature and effective relationships with patients, their families, peers and other members of the health care team. The student should be able to recognize limitations of his or her education and training. The student should also be willing to seek consultation when appropriate, and be able to recognize, handle and/or assist in life-threatening situations. He or she must also have the humility to accept constructive critique and the perseverance to complete an arduous course of study.

All students are expected to perform physical examinations on both males and females and on each other. Breast and pelvic examinations will be conducted on anatomic models and/or simulated patients during the didactic (1st) year, and on real patients during the clinical year. Candidates who are unable to meet this requirement based on religious beliefs or other reason must inform the program upon acceptance so that reasonable arrangements may be made.

Reasonable accommodations will be made for applicants with handicaps; however, as part of the admission process, all applicants must be able to perform all listed technical requirements.

Recommended

- Knowledge of medical terminology and statistics
- A foundation in biochemistry and genetics
- Shadowing a PA

Preferences for Selection

- Patient care experience is preferred
- A record of community service
- West Liberty University graduates
- West Virginia residency

Transfer of Credit

The WLU PA Program does not accept transfer of credit for any of the PA courses, either in the didactic or the clinical phase of the curriculum.

Screening

Candidates will be issued screening exams during the interview process in the following areas. (1) Writing, (2) Basic Math, and (3) Medical Terminology. Applicants must be proficient in writing to be accepted into the program. Math and Medical Terminology evaluation will not be used to determine acceptance into the program but rather to see where the applicant stands. The Basic Math and Medical Terminology exams will be graded and candidates will be allowed to review their exam performances for self-evaluation at the end of the interview.

Advance Standing

The WLU PA Program does not award advanced placement in either the didactic phase or the clinical phase. No advanced standing or placement will be granted for prior medical education training/experience.

Student Work Policy

Due to the rigorous academic coursework of the WLU PA Program, students are strongly discouraged from working during the course of study. Students who choose to work must inform the Chair/Program Director in writing. If employment affects a student's performance or causes a pattern of concern (e.g. failing grades, interfering with academic or clinical duties, or sustained marginal performance), the student will be subjected to administrative action up to and including dismissal from the program. A student who fails a course, and when reviewed as a whole, it is determined that the student will likely succeed, will be decelerated and allowed to reenter the program at the appropriate time when the course is again presented. A student who fails a clinical rotation will be required to repeat the rotation. Any student who fails a repeated course or clinical rotation will be dismissed from the program.

A criminal background check, drug screening, and health screening will be required of all successful applicants upon matriculation and prior to clinical rotations. Applicants are responsible for researching whether any background history will preclude licensure, ability to obtain Drug Enforcement Agency and/or state prescriptive privileges before applying to the program. Drug screening will be conducted during the first year and as needed.

Health Insurance

Students must submit proof of health insurance coverage by the time of matriculation. See health insurance policy under Program Costs.

Health Screening and Immunization

West Liberty University requires that its students, staff and faculty be up to date on the following immunizations and skin tests. Students are expected to have these immunization current upon matriculation and updated as needed prior to beginning their clinical clerkships.

Tuberculosis (TB) :

Must be completed within the six months prior to entering the program. Applicants with a history of positive tests must provide documentation of appropriate screening and treatment. Prior BCG immunization does not preclude skin testing.

Tetanus-Diphtheria :

Primary series of 4 doses with DTaP or DTP; booster within the past 5 years.

Measles-Mumps-Rubella (MMR):

Series of 2 doses. Dose 1 at 12-15 months or later, dose 2 at 4-6 yrs or later and at least one month apart from the 1st.

Rubella:

Immunization or positive titer in your lifetime.

Mumps:

Immunization, disease or positive antibody titer in your lifetime.

Influenza:

Immunization is required each year.

Hepatitis B:

A series of three immunizations and serological testing for antibody to show proof of immunity is required.

Chicken Pox (Varicella):

A series of 2 vaccines is required. History of disease is acceptable. If no documentation of vaccine or disease, a positive test for antibody is acceptable.

Bacterial Meningitis immunization is strongly recommended.

Application and Admission

Application Fee. ***There is a $25.00 application fee.*** Please submit in the form of a check or money order with application.

Step 1. *Fill out the Graduate Application Form.*

Step 2. *Request official transcripts* from all of your previous colleges be sent directly to the WLU Admissions Office, marked "Attention. PA Dept."

Step 3. *Write a statement* reflecting why you chose the Physician Assistant Profession and your goals as a practicing PA.

Step 4. *Submit the completed application with supplementary materials and a $25 application fee (check or money order)* to the address listed in the application form. Letters of Reference should be sent directly from the persons writing the references to the university. A passport size picture taken from the front must be submitted with the application package.

Step 5. Select applicants will be invited to WLU campus for *personal interviews.* At that time applicants will also be asked to write a *brief essay* and take *screening exams in Basic Math and Medical Terminology.* Students must have good writing ability to enter into the program. The math and medical terminology exam will not be used to determine admission into the program, but rather to evaluate the applicant's status in these areas. The math and medical terminology screening exams will be graded and returned to candidates at the end of the interview for self-analysis.

Step 6. The Admissions Office or PA Department will notify you of your application status once your application and interview have been reviewed and acted on by the Admissions Committee. Successful candidates will be sent a *notification of acceptance* into the program.

Step 7. *A confirmation and deposit* is required to hold your place in the class and to confirm your acceptance. You will not be allowed to register until the deposit is received. The deposit fee is $500 for the PA program. The fee is applied toward your first term's tuition. Should you decide not to attend, this deposit is nonrefundable.

Estimated Program Costs (subject to change)

Estimated Total cost (In-state students):	
Tuition only:	$48,000
All Expenses:	
Year 1 On-Campus:	$39,290
Year 2 On-Campus:	$37,990
Program Total:	***$77,280***
Year 1 Off-Campus:	$40,290
Year 2 Off-Campus:	$38,990
Program Total:	***$79,280***

Estimated Total cost (Out of-state students):

Tuition only:	$72,000
All Expenses:	
Year 1 On-Campus:	$51,290
Year 2 On-Campus:	$50,100
Program Total:	***$101,390***
Year 1 Off-Campus:	$52,290
Year 2 Off-Campus:	$51,100
Program Total:	***$103,390***

Transportation

Students must have reliable transportation in order to report to clinical sites and other scheduled program events.

Didactic Phase Summative Evaluation. Occurs at the end of the 1st year (June).

In order for a student to progress to the Senior Year (year two), he/she must:

1. Pass all courses with a minimum passing grade of "C."
2. Have an overall G.P.A. of not less than 2.8 on a 4.0 scale.
3. Pass a graded OSCE.
4. Pass a comprehensive written examination.
5. Pass all decision points (done at the end of each term).
6. Meet all professional requirements.
7. Be recommended by the Student Progress Committee for advancement to the senior year.

Program Summative Evaluation (Graduation Requirements) occurs at the end of the program (June).

In order for a student to graduate from the program he/she must:

1. Pass all didactic courses with a minimum passing grade of "C."
2. Pass all clinical clerkships with a "Satisfactory" grade.
3. Have an overall G.P.A. of not less than 2.8 on a 4.0 scale.
4. Pass a graded OSCE.
5. Pass a comprehensive written examination.
6. Pass all decision points (done at the end of the 3rd, 6th and 9th (final) clerkship).
7. Meet all professional requirements.
8. Be recommended by the Student Progress Committee for graduation from the program.
9. Meet all of the University's requirements for graduation (tuition paid up to date/successful check-out).

CURRICULUM

The *Master of Science in Physician Assistant Studies* degree is a twenty-four (24) month program divided into didactic and clinical sections. The didactic portion of the program will include a combination of basic science courses and laboratories as well as classes and laboratories in the applied medical sciences. This portion of the curriculum will occur during the first twelve months of the degree program. The final twelve months of the program will include nine 5-week clinical rotations with the supervision of licensed clinical preceptors. A critical review of the medical literature is also required. The twenty-four month program will cycle from July of the entrance year through June of the second twelve months.

Year one: Didactic

- Four terms (11 and 12 weeks)
- 60 semester hours

Year two: Clinical

- Nine 5-week clinical rotations
- 45 semester hours

Qualities that are consistent with the standards set forth by ARC-PA, and medical practice; integrity, cultural sensitivity, communication skills, commitment to life-long learning and service, and practical knowledge are cornerstones within the physician assistant profession, and are the framework upon which the West Liberty University program is based.

School of Professional Studies

School of Professional Studies

Thomas A. Michaud, Ph.D., Dean

The **School of Professional Studies** (**SPS**) of West Liberty University is located at the Highlands Center, just outside Wheeling, West Virginia. A main purpose of the Highlands Center is to serve non-traditional (adult) students by offering classes and programs they can complete while continuing their employment and/or maintaining their life-schedules as family people. Another purpose of the Highlands Center is to offer a wide variety of classes to all students, no matter their age, academic major or program. The Highlands Center offers day, evening, Saturday and accelerated classes in many areas. Through the SPS, West Liberty University offers a variety of degree and certificate programs, Professional Studies courses, and Continuing Education opportunities to serve all students, traditional and non-traditional. The following describes WLU's three non-traditional degree programs:

❖ BACHELOR OF ARTS IN ORGANIZATIONAL LEADERSHIP AND ADMINISTRATION (BLA) DEGREE

Program Summary:

The Bachelor of Arts in Organizational Leadership and Administration (BLA) is a degree completion program for adult learners (typically age 23 and older) whose opportunities for securing employment and/or career advancement will be enhanced by a Bachelor's Degree.

The BLA's structure and curricular design is modeled on various successful adult degree completion programs from throughout the country, which enable accelerated degree completion and emphasize applied learning in leadership within for-profit and non-profit organizations. In a cohort-based fashion, students matriculate through the BLA's 36 upper-level credit hour course sequence, which includes the completion and public presentation of an applied research project.

Students are able to enroll officially in the program only if: 1) they have completed or are completing the 36 hours of General Studies courses, 2) have 60 + total hours of college credit, and 3) have at least a 2.0 grade point average. Students may also be able to receive Prior Learning Assessment (PLA) credit through the submission and evaluation of a portfolio.

From the moment students inquire about the BLA program, they receive close personal academic supervision to help them manage their credit hours so that they can matriculate in the BLA and graduate successfully.

The BLA program embodies and fosters WLU's Core Values in that it stresses: a) a commitment to excellence through continuous improvement of one's leadership capabilities; b) the merits of consistent professionalism; c) teaching and curricular contents that respect the adult learners' experience and needs; and d) the vital importance of leadership with ethics and integrity.

Program Outcomes:

Graduates of the BLA program will:

- Communicate effectively (orally and in writing) in organizations with customers, clients, co-workers, superiors and governing board member
- Be able to identify and know how to apply various motivational and leadership styles
- Use decision making, conflict resolution, and negotiation skills within organizations
- Demonstrate leadership or leadership potential which incorporates principles of management and project marketing.
- Be capable applied researchers as demonstrated through development and presentation of an applied research project
- Be able to use appropriate technology to perform typical tasks of contemporary leaders and administrators
- Be able to identify and apply aspects of business and employment law, and human resources administration which are relevant to organizational leadership and administration
- Display professionalism by incorporating ethics and integrity as foundations for successful leadership

Fees: *

- There is no application fee required for admission to the Program.
- For PLA portfolios where credit is awarded based on
- standardized awards, an evaluation fee of $300 will be charged. For faculty-evaluated portfolios, a $10 per-credit-hour posting fee will be added to the initial charge of $300. The fees will be charged whether or not academic credit is awarded. The fees will be charged each time a student requests any subsequent assessments of work not included in the initial appraisal.
- Registration, service fees and materials for enrollment in classes will be assessed according to the established fee schedule.
- The graduation fee will be that of West Liberty University.

Fees subject to change.

BLA Courses:

BLA 300 Intro to Bachelor of Arts in Organizational Leadership & Administration
BLA 302 Perspectives on Leadership
BLA 304 Organizational Communications and Negotiation
BLA 306 Current Theories of Leadership and Management
BLA 308 Organizational Ethics
BLA 310 Leadership in Literature and Film
BLA 400 Marketing for Leaders
BLA 402 Research Methods and Design
BLA 404 Finance for Administrators
BLA 406 Organizational Psychology
BLA 408 Human Resources for Administrators
BLA 410 Legal Issues in Organizational Leadership and Administration
BLA 412 Capstone: Applied Research Project

Degree Requirements:

	Sem. Hrs.
GENERAL EDUCATION	**36**
(Courses in communication, humanities, natural sciences, social sciences, mathematic or computer applications)	
COMMUNICATION	6
HUMANITIES	6
NATURAL SCIENCE	6
SOCIAL SCIENCE	6
MATHEMATICAL SCIENCES OR COMPUTER APPLICATIONS	3
GENERAL EDUCATION ELECTIVES	9
UPPER DIVISION HOURS	**39**
(Includes 36 hours of BLA courses)	
ELECTIVES	**45**
TOTAL CREDIT HOURS	**120**
MINIMUM GRADE POINT AVERAGE	2.0

West Liberty may accept a maximum of 72 semester hours from two-year accredited colleges. The remaining 48 hours must be earned at four-year accredited colleges. PLA Portfolio credit may be used to fulfill a portion of these hours.

❖ REGENTS BACHELOR OF ARTS (RBA) DEGREE

Program Summary:

The West Virginia Higher Education Policy Commission, through West Liberty University, is granting the Regents' Bachelor of Arts Degree (RBA). The RBA Degree is a non-traditional program designed for adults interested in obtaining a bachelor's degree.

This adult degree was developed with the belief that adults, both psychologically and socially, are so distinctly different from young people that a program of studies designed for men and women should be based at every point on their maturity.

The Program is of high academic quality and the holder of an RBA degree will have met comparable requirements for the more conventional baccalaureate degree. The difference in the two routes toward obtaining a BA degree is the key to the Program. Credit awarded in the conventional manner may be used in the Program, but college equivalent credit awarded for PLA experience can also count toward the degree.

Students entering the Program will be evaluated on their experience and may create a unique program that suits their needs.

The central principle that underlies the PLA experience process is that what the student knows is more important than how he or she learned it. If a student can demonstrate that his or her knowledge and skills are reasonably comparable to what the college-trained student knows, then equal credit will be awarded.

It is unimportant whether the student's learning took place at an accredited college or elsewhere; whether the instructors held advanced degrees or no degrees at all; whether the matter was learned within the near or distant past; or how long it took to acquire the knowledge or skills. As long as students can provide sufficient evidence that they possess college equivalent knowledge or skills, their achievements will be credited and recognized as applicable towards this degree Program.

Admission Requirements:

- A student is admitted to the Program by submitting the Regents BA Degree admission application to the Coordinator of the RBA Degree at West Liberty University.
- Admission to this Program does not provide for admission to other programs at West Liberty University, but rather, provides only for admission to the Regents Bachelor of Arts Degree Program.
- Admission to the Program at West Liberty University constitutes admission to any public institution for the purpose of taking courses suitable to the student's background and applicable toward the degree requirements.
- Individuals with accredited baccalaureate degrees are excluded from the Regents Degree Program.
- A person may not be enrolled simultaneously in the RBA Program and another degree program.
- Upon request by an RBA student, transfer between institutions for legitimate reasons may be accomplished by a letter between the degree coordinators of the two institutions.
- This Program is not an escape outlet for students who are excluded from regular programs for reasons of poor schol-

arship. Poor scholarship, however, in early years should not prevent admission of a candidate who has demonstrated the ability to acquire and use knowledge.

- Admission to the RBA Program may not occur until four years after the high school graduation date.
  If the high school diploma was awarded by examination (GED), then admission would occur four years after the graduating high school class.

Courses:

- Admission to courses is subject to availability of class space and/or enrollment limitations on the same basis as any other student.
- Course prerequisites will be handled in the usual manner.
- Grading standards for students in this program will be the same as for other students.
- All grades of 'F' received four years or more before admission to the program is excluded from the cumulative grade point average.

Transfer Credits:

- In transferring credits from accredited institutions of higher learning to the Program, all passing grades are accepted.
- Board of Governors' policies regarding transfer of credits between institutions will apply to students in this Program.
- CPEP, CLEP, College-level GED, USAFI and similar testing results are acceptable for credit.
- Correspondence courses from an accredited institution will be accepted.
- Transfer credits will be assessed at the time of evaluation. Requirements may be fulfilled by college-equivalent credit, correspondence courses, transfer credits, or accredited courses taken after enrollment in the Program.

Fees*:

- There is no application fee required for admission to the Program.
- For portfolios where credit is awarded based on standardized awards, an evaluation fee of $300 will be charged. For faculty-evaluated portfolios, a $10 per-credit-hour posting fee will be added to the initial charge of $300. The fees will be charged each time a student requests any subsequent assessments of work not included in the initial appraisal.
- Registration and service fees for enrollment in classes will be assessed according to the established fee schedule.
- The graduation fee will be that of West Liberty University.

****Fees subject to change.***

PLA Portfolios: Portfolios must be submitted early in the semester prior to expected graduation.

Degree Requirements:

	Sem. Hrs.
GENERAL EDUCATION	**36**
(Courses in communication, humanities, natural sciences, social sciences, mathematic or computer applications)	
COMMUNICATION	6
HUMANITIES	6
NATURAL SCIENCE	6
SOCIAL SCIENCE	6
MATHEMATICAL SCIENCES OR COMPUTER APPLICATIONS	3
GENERAL EDUCATION ELECTIVES	9
UPPER DIVISION HOURS	**39**
ELECTIVES	**45**
TOTAL CREDIT HOURS	**120**
MINIMUM GRADE POINT AVERAGE	2.0

West Liberty may accept a maximum of 72 semester hours from two-year accredited colleges. The remaining 48 hours must be earned at four-year accredited colleges. Portfolio credit may be used to fulfill a portion of these hours.

Twenty-four (24) semester hours must be completed at a West Virginia public institution in the higher education system. Credit awarded through PLA experiences is not applicable to the 24 credit hours.

Residency Requirement:
A residency requirement of twelve (12) semester hours must be completed at West Liberty University. PLA credit may not be used to fulfill this requirement.

❖ BACHELOR OF APPLIED SCIENCE (BAS) DEGREE

Program Summary:

The Bachelor of Applied Science (BAS) degree is designed to provide an opportunity for students who possess an Associate of Applied Science (AAS) degree to obtain a baccalaureate degree.

Graduates of community and technical colleges need opportunities to continue their education in areas that best meet their educational goals. Meeting the educational goal of AAS students helps in meeting the needs of the regional workforce in West Virginia. This degree addresses the needs of individuals whose educational goals are not being met through traditional four-year degree programs.

Admission Requirements:

- The student must possess an Associate of Applied Science (AAS) degree from a regionally accredited institution.
- The student must meet all general institutional admission requirements.

BAS Requirements:

- The BAS student must meet all applicable institutional academic policies, including a minimum overall 2.00 G.P.A. and a minimum 2.00 G.P.A. in the Area of Emphasis.
- Twenty-four (24) hours of actual classroom courses must be completed at West Liberty University.
- Fifty-six (56) hours must have been earned at a four-year institution.

- AAS Degree – minimum of 60 hours
- Upper Division Hours requirement – minimum of 40 hours
- Area of emphasis requirement – minimum of 24 hours beyond the AAS degree. Areas of Emphasis are intended to meet regional workforce needs. Areas of Emphasis under the West Liberty University BAS degree are:
  - Criminal Justice Studies
  - Health Science Studies
  - Entrepreneurship and Leadership

Degree Requirements:

	Sem. Hrs.
GENERAL EDUCATION	**42**
(Includes AAS General Education hours. Courses must be distributed among all of the following categories.)	
COMMUNICATION	6
NATURAL SCIENCE	6
MATHEMATICS	3
COMPUTER INFORMATION TECH	3
SOC SCI/HUMANITIES/FINE ARTS	9
GENERAL EDUCATION ELECTIVES	15
AREA OF EMPHASIS	**24**
AAS DEGREE HOURS & ELECTIVES	**62**
TOTAL CREDIT HOURS	**128**
MINIMUM GRADE POINT AVERAGE	2.0

➢ RBA and BAS AREA OF EMPHASIS IN ENTREPRENEURSHIP AND LEADERSHIP (E&L)

This 30 credit hour Area of Emphasis can be selected by any RBA or BAS program student. The curriculum for the Area of Emphasis follows:

Professional Studies Core	**9**
PS 315 Organizational Ethics	3
PS 317 Personnel Administration for Professionals	3
PS 318 Leading Change and Communication for Professionals	3
E&L Required Courses	**15**
ENT 300 Foundations of Entrepreneurship	3
ENT 301 Entrepreneurial Promotions	3
ENT 302 New Project Feasibility I	3
ENT 350 Entreprenuership and Law	3
ENT 450 Venture Finance and Analysis	3
E&L Electives (Choose two (2) from the following)	**6**
ENT 304 Creative Problem Solving	3
ENT 325 Social Entrepreneurship	3
ENT 460 Topics in Entrepreneurship	3
PS 309 Society, Ethics and Technology	3
PS 310 Professionalism in the Non-Profit Sector	3
PS 321 Professional Public Relations	3
Total RBA/BAS Area of Emphasis	**30**

➢ PROFESSIONAL STUDIES COURSES

Professional Studies (PS) courses, which are part of the School of Professional Studies, are designed to cultivate and enrich students' knowledge and skills for and within the workplace. PS courses all have a strong emphasis on professional development in regard to a wide variety of topics, issues, and practical applications relevant to professionalism in the contemporary workplace. PS courses are open to all students. There are no prerequisites. For students in the Regents Bachelor of Arts (RBA), the Bachelor of Arts in Organizational Leadership and Administration (BLA), and the Bachelor of Applied Science (BAS) degree programs, PS courses will fulfill designated General Studies requirements. For all other degree programs, PS courses will serve as general electives only. (See PS courses under "***Course Descriptions***" in catalog.)

➢ CERTIFICATE PROGRAM IN ENTREPRENEURSHIP

This certificate program is open to any student at WLU or anyone who meets WLU's admissions criteria. Certificate students do not need to be degree-seeking. Certificate students have the option to enroll in the course for a grade or on a Pass/Fail (K credit) basis. Upon completion of the program, students are awarded a certificate, and the courses and program are properly recorded on a transcript.

Required Entrepreneurship Certificate Courses

ENT 300 Foundations of Entrepreneurship	3
ENT 301 Entrepreneurial Promotions	3
ENT 304 Creative Problem Solving	3
ENT 350 Entrepreneurship and Law	3
ENT 450 Venture Finance and Analysis	3

➢ CONTINUING EDUCATION

The School of Professional Studies (SPS) offers continuing education opportunities for community members who wish to further their skills and knowledge in their professions. The SPS sponsors various programs open to the public in a variety of areas, such as financial planning, resume development, and job searching. The SPS offers non-credit workshops/seminars leading to certificates of completion and workshops/seminars in specific professions leading to Continuing Education Units (CEUs). Customized training programs for non-profit and for-profit organizations are also created and offered. Such programs include: leadership training, organizational ethics training, and for-profit and non-profit organizational board member training.

Honors College

HONORS PROGRAM

The Honors Program at West Liberty University is transitioning to the Honors College at West Liberty University. Students may no longer be admitted to the Honors Program. The remaining Honors Program students are slated to graduate in May 2015. The Honors Program is administered by The Honors College.

The Honors College

The West Liberty University Honors College consists of a community of faculty and students dedicated to intellectual, creative and moral engagement. Honors students seek excellence through continual guidance and a distinctive curriculum of critical thinking, intercultural and international understanding, experiential learning, service, and acknowledging the interconnectedness of their studies. The end of the program is the beginning of an enriched and accomplished life.

Honors College students understand that intellectual development is inseparable from one's own growth and development as a whole human being. Students work with faculty mentors who facilitate their progress as engaged learners and as contributing members of the Honors College, the wider community and society.

Good academic standing is a consequence of the engaged values of an Honors College student, not the primary goal. Self-motivated intellectual independence from extrinsic rewards is the distinctive disposition of a College Honors student. Intellectual strengths are essential to academic engagement but intellectual strengths, by themselves, are not adequate to define the attitude of academic engagement. Honors College students covet the personal experience of fulfillment that comes from encountering new ideas in dialogue with others. They approach scholarly research in a deeply personal manner and seek to find ways to contribute to society.

Coursework

Curricular Requirement

All Honors College scholars must complete a minimum of 26 credit hours of Honors Coursework. The following credit hours are required:

- COLL 101 - First Year Experience Honors course (2 credits)
- HON 378 – Special Topics (**or** Study Abroad Experience) (up to 6 credits) –AND-
- HON 498 – Honors Project (Senior Honors Research project) (up to 6 credits)

The remaining credit hours should come from additional Honors courses or Honors course options. At least three of these classes must be at the 300 level or higher.

Other Requirements:

- Regularly participate in Honors College meetings
- Regularly participate in Honors College service projects
- Regulary attend enrichment experiences (following)

Enrichment Activities

The Honors College experience should stimulate cultural and social growth as well as academic. To that end, the staff encourages and enables students to participate independently as well as in groups in "cultural enrichment" activities such as theatre, music, lectures, museums, art galleries, places of historic interest, etc. Every semester the College organizes six to eight off-campus events, usually in the Pittsburgh area, that enable students to experience their first opera or ballet, explore the collection at the Carnegie Museum of Art and Natural History, hear professional writers speak about their craft, admire Frank Lloyd Wright's innovative architectural design at Kentuck Knob, marvel at the musical theatre of CMU or Point Park Conservatory, or wander the battlefield where George Washington suffered his first military defeat at Fort Necessity. Likewise, students can attend similar events on campus or in the immediate area—speakers, musical and theatrical performances, international fairs, etc. College students can receive Honors College academic credit for participating in these events and writing a brief (250+ word) reflection on their experience. During students' tenure at WLU, they will receive one hour of academic credit for every six on-campus events they attend or three off-campus events. (Four on-campus and one off-campus event or two-and-two also earn an hour of credit.) The Honors College supplies transportation to off-campus events and pays for admissions fees.

Study Abroad

Honors College scholars have the option to complete a credit-bearing study abroad experience. Students will work with the Honors College Dean and faculty to identify potential study abroad placements. Honors Interdisciplinary Study abroad courses are offered during the summer term. Up to 12 Honors credit hours may be earned by students participating in a semester or year-long study abroad program.

HON 498 – Honors Project (Senior Honors Research)

Senior Honors Research (SHR) allows students to complete in-depth research in an area of study enabling the practice of key research techniques. Additionally, public presentation of research in a scholarly manner allows for increased self-confidence and growth in professional dispositions. Students may also propose Honors Projects that involve community engagement. Examples of recent Community Engagement Honors Projects are:

- To design and coordinate an international education fair at at local elementary school
- To organize fundraiser for cancer research
- To create a community oral history project

Each SHR student works closely with a professor in his/her field of study who serves as the research sponsor and guide throughout the research process. Students present their research results and final paper before a committee in the spring of their senior year. Additionally, both the Honors College and departments within various Colleges on campus assist students with presentations at conferences and opportunities for publication should the student wish to pursue either of those opportunities.

Honors Course Options

An Honors Option is an agreement between an Honors College scholar and a professor that the student will complete an additional or enhanced assignment(s) in a non-Honors course. The Option agreement turns a non-honors course into an honors course for purposes of meeting the Honors College requirements. It also provides honors students the freedom to design a portion of their curriculum. Up to three classes may be taken as Honors Option classes. Honors Options count toward honors elective requirements.

Students may create an Honors Option agreement if ALL of the following criteria have been met:

- The course is a non-Honors upper level course (300 or above).
- It is a West Liberty University course.
- An Honors section of the course is NOT currently being offered as a part of the Honors curriculum.
- The Honors College Dean has approved the option agreement.

Students should schedule an appointment with the faculty member teaching the course in which they wish to do an Honors Option as soon as possible after the course start date. The professor has the discretion to allow the Honors Option to be done in that course. If approved by the professor, the student must develop an assignment that will be completed during the semester. Possible assignments might include:

- Complete an extra or extended paper or project
- Complete a literature review or annotated bibliography
- Keep an academic journal
- Interview appropriate professionals
- Do a challenging lab experiment
- Create a computer program related to course content
- Apply the principles of the course through documented volunteer service

The Honors Option form must be submitted to the Honors College Dean by the add/drop date each semester. The form may be found on the Honors College web page at http://westliberty.edu/honors-college/.

Honors Seminars and Course Substitutions

Each semester advanced interdisciplinary Honors Seminar courses will be offered for upperclassmen in the Honors College. Honors Seminars may substitute for general education courses or advanced electives. In order for an Honors Seminar to substitute for a general education course, the course content must be similar enough to the general education course content that the substitution is valid. Requests for substitutions must be made directly to the Dean of the Honors College. The Dean of the Honors College will contact the course professor and the Dean of the appropriate college to ensure the validity of the substitution. A letter will then be forwarded to the Enrollment Services Center requesting the substitution be made part of the student's official transcript.

G.P.A. and Honors Standing

The academic progress of all Honors students is consistently monitored by the Dean of the Honors College. Progress is evaluated in October, February and again in May.

All Honors College scholars must maintain a G.P.A. of 3.25. Any student falling below 3.25 will be notified in writing, asked to meet with the Dean of the Honors College, and required to submit a detailed plan for the next semester of the appropriate academic year. Failure to respond to written notices or to meet with the Dean could result in dismissal from the Honors College and potential loss of Honors scholarships.

Students remain active in the Honors College by taking Honors courses, attending Honors meetings, and participating in Honors service projects and enhancement opportunities. Students are encouraged to meet with their academic advisor as well as the Dean of the Honors College to monitor their progress.

Honors College scholars will be dropped from the Honors College for failing to complete Honors courses for two consecutive semesters. This is important to remember and to plan for as professional semesters or internships do not always allow for completion of Honors courses.

Contact Information

Dr. Shannon Halicki, Dean
shalicki@westliberty.edu

Dr. Peter Staffel, Director
staffelp@westliberty.edu

Graduating with Honors

Students successfully completing all Honors College requirements will graduate cum honore.

Please note also that students completing a Senior Honors Research Project are recognized at graduation for earning departmental honors (e.g. Honors in Biology).

ADVANCED ACADEMY OF WEST VIRGINIA

The Advanced Academy of West Virginia is a dual enrollment program for high school juniors and seniors exhibiting a high degree of achievement and potential who are interested in accelerating their academic careers. This early entrance to college program is designed to support talented and motivated students in reaching their academic goals. Academy students are enrolled full-time at West Liberty University and take all of their classes on the main campus. Students are earning college credits while simultaneously fulfilling their high school academic requirements for graduation.

Benefits for Academy students include, but not limited to:

- Opportunity to accelerate the completion of their own particular academic pursuits.
- Ability to complete coursework at levels that reflect their ability and preparation.
- Opportunity to work and study among students who possess similar degrees of scholarly capacity and ambition.
- Opportunity to engage in many intellectual, social, and recreational activities.

Academy students are enrolled in the Honors College at West Liberty University, which is an academic community engaging highly motivated and intellectually advanced students in exceptional experiences. The Honors College students also serve as peer mentors for the Academy students and can be great role models as they aspire to achieve high academic success.

Requirements for Admission:

- Admission by application
- High school transcript
- 3.5 cumulative grade point average (G.P.A.)
- 24 on the ACT or 1170 on the SAT
- Family/Guardian interviews
- A two page (typed and double spaced) essay
- 2 letters of recommendation from principals, teachers or high school guidance counselors

Interdisciplinary Studies

INTERDISCIPLINARY STUDIES PROGRAM
PROGRAM SUMMARY

The primary objective of this nontraditional curriculum is to enhance flexibility in academic programming by meeting the personal needs and career aspirations of students interested in pursuing integrated course work drawn from two or more subject areas (disciplines).

Upon completion of their studies, students will be awarded a B.A. or B.S. degree. The designation "Interdisciplinary Studies: (title of concentration area)" will appear on official transcripts.

Admission Requirements:

1. Though exceptions may be made, admission applications should be submitted by students who have completed between one and four semesters of collegiate studies.
2. Persons admitted to the program will be assigned a faculty adviser or advisers to assist in developing their programs of study.

Program Requirements:

1. All programs require the approval of the Interdisciplinary Studies Program Committee.
2. One nonconventional area of concentration of 48 semester hours representing at least two subject areas, 24 of these credits representing upper division course work. A concentration area is any grouping of courses having a clear central purpose and aimed at a specific learning outcome not already available among the major fields offered at WLU.
3. One independent study project of 8 to 12 semester hours in the form of directed research, a performance, an internship, or a combination of several activities undertaken during the junior or senior year.
4. All general education requirements, but participants may gain course equivalent credit by passing appropriate examinations in partial fulfillment of the 128 semester hours (including 40 semester hours of upper division credit) needed for graduation.
5. Clusters of courses in related fields to support and enhance the concentration area whenever possible, though no minor is required.
6. Elective credits, though these may be reduced to accommodate prerequisites or to compensate for deficiencies. Electives may be taken in any area except professional programs with restricted enrollments such as dental hygiene, medical laboratory science, and nursing.

BACHELOR OF ARTS PROGRAM IN INTERDISCIPLINARY STUDIES

General Studies 63
Concentration area 48
Project 8-12
General electives and/or
prerequisites to equal ..... 128 hours

BACHELOR OF SCIENCE PROGRAM IN INTERDISCIPLINARY STUDIES

General Studies 48
Concentration area 48
Project 8-12
General electives and/or
prerequisites to equal ..... 128 hours

Information: Coordinator, Interdisciplinary Studies Program.

Course Descriptions

ACCOUNTING (ACC)

224. PRINCIPLES OF FINANCIAL ACCOUNTING - 3 hours
A study of the process of identifying, analyzing, measuring, recording, interpreting and communicating accounting information for external decision-makers. The course focuses on the accounting cycle and the generally accepted accounting principles and procedures used to prepare financial statements for stockholders, creditors, and other external users. All material is presented with an understanding of the ethical responsibility of the accountant for appropriate, complete, and non-fraudulent reporting.

225. PRINCIPLES OF MANAGERIAL ACCOUNTING - 3 hours
A study of the process of identifying, analyzing, measuring, recording, interpreting, and communicating accounting information for internal decision-makers. The course focuses on the concepts and processes used to prepare financial statements for management's internal planning, evaluation, costs, and control procedures. This is done in the light of the Standards of Ethical Conduct for Management Accountants -- Competence, Confidentiality, Integrity and Objectivity. Prerequisite: ACC 224.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Accounting. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

302. FINANCIAL ANALYSIS - 3 hours
Financial analysis common to investment and business financial management; financial and expenditure policies. Prerequisite: FIN 300.

303. COMPUTERIZED ACCOUNTING APPLICATIONS - 3 hours
A primarily hands-on course that provides students with a practical exposure to computerized accounting systems. This course will strengthen student's understanding of accounting concepts and principles. The focus of this course is to create and implement a computerized accounting system for a business enterprise. Prerequisite: ACC 225. Spring semester, even-numbered years.

320. MANAGEMENT ACCOUNTING PROCEDURES - 3 hours
Management approach to problem-solving and decision-making through the use of financial and managerial accounting procedures. The course will require completion of business simulations designed to enhance the student's knowledge of budgeting, controlling, and finance. (Not open to accounting majors). Prerequisites: ACC 224 and 225.

324. INTERMEDIATE ACCOUNTING I - 3 hours
In-depth study of accounting theory and practice with emphasis on asset accounting and ethics. Prerequisites: ACC 224 and 225.

325. INTERMEDIATE ACCOUNTING II - 3 hours
In-depth study of accounting theory and practice with emphasis on the accounting for liabilities and stockholders' equity. More advanced problems peculiar to financial accounting, as well as financial statement analysis and the Statement of Cash Flows are covered, along with ethics. Prerequisite: ACC 324.

330. COST ACCOUNTING - 3 hours
The content of this course includes understanding basic cost concepts and costing systems, including job order, process, standard, and ABC. Budgeting and variance analysis are covered as well as the concepts of the Balanced Scorecard. Cost behavior and relevant costs are discerned for various decision-making purposes. Problems of cost allocation, common cost, and cost analysis are addressed. Prerequisite: ACC 225.

350. INTERNAL AUDITING - 3 hours
Internal auditing standards, ethics, concepts, audit techniques and reporting practices. Prerequisite: ACC 325.

360. FORENSIC ACCOUNTING - 3 hours
In this course, students are introduced to the conduct of fraud examinations, including a discussion of specific procedures used in forensic accounting examinations and the reasoning behind these procedures. Prerequisite: ACC 350.

400. ACCOUNTING INFORMATION SYSTEMS - 3 hours
The study of internal control, the flow of accounting information, its sources and its uses, and the relevance of internal control in preparing accounting documents and reports. The focus is on designing effective accounting information systems to safeguard assets and to generate reliable financial information. Prerequisite: ACC 325.

402. ADVANCED ACCOUNTING - 3 hours
An introduction to advanced accounting topics. The course focuses on accounting policies and procedures that apply to partnerships, business combinations, consolidations, segment, interim, nonprofit, and international accounting. Prerequisite: ACC 325.

420. EXTERNAL AUDITING - 3 hours
The study of public accounting auditing services including audit objectives and procedures, internal control, rules and regulations and audit opinion. The focus is on the independent auditing function culminating in the independent auditor's report. Special emphasis will be placed on ethics in auditing and the Sarbanes-Oxley Act of 2002. Prerequisite: ACC 400.

425. FEDERAL TAXATION OF INDIVIDUALS - 3 hours
Detailed discussion of the Federal Income Tax Laws pertaining to tax returns of individuals, including detailed discussions of gross income inclusions and exclusions; deductions for personal and business expenditures; dependency deductions; capital gains and losses; other pertinent information for the preparation of the individual tax return. The ethical considerations of tax return filing and preparation will be stressed. (Senior status).

426. FEDERAL TAXATION OF BUSINESS ENTITIES - 3 hours
Study of tax returns of partnerships, corporations, estates, and trusts and not for profit entities. The ethical considerations of tax return filing and preparation will be stressed.

440. PROFESSIONAL ACCOUNTING REVIEW - 3 hours
Review and coordination of the principles and techniques developed in the accounting curriculum in preparation for general practice in the field of accountancy and for professional accounting examinations. The ethical considerations in the practice of both public and private accounting will be emphasized. (Senior status).

441. COMPUTERIZED ACCOUNTING APPLICATIONS - 3 hours
A primarily hands-on course to provide senior level accounting students with a practical exposure to microcomputer applications in accounting, including computerized general ledger, financial statements and financial spreadsheets. Prerequisites: ACC 224 and 225.

447. ACCOUNTING ETHICS - 3 hours
The study of ethics as it relates to accounting. Prerequisite: ACC 324.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of accounting. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

495. CONTEMPORARY ACCOUNTING PROBLEMS - 1-2 hours
A seminar to discuss current developments in accounting determined by IRS, SEC, FTC, AICPA, FASB, and other business and authoritative bodies relative to recent actions or contemplated actions or such authorities. Readings of journals, FASB opinions, SEC regulations, etc., will be included.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

ART (ART)

100. FUNDAMENTALS OF ART - 3 hours
An introductory course for nonart majors; the exploration of the relationship between visual elements and aesthetic experience.

104. DRAWING I - 3 hours
Beginning drawing emphasis on nonfigurative, natural and inanimate forms, skill development in perceptual sensitivity and rendering, using line, tone and modeling; drawing in perspective as applied to nonfigurative, naturalistic and inanimate forms.

110. DESIGN I - 3 hours
Exploration of twodimensional visual elements and their interrelationships directed toward the development of individual aesthetic sensitivity. Should be taken by art majors in their freshman year.

140. ART APPRECIATION - 3 hours
An introductory survey course in the visual arts emphasizing the development of perceptual and conceptual awareness through an investigation of the nature of art. Significant artists and artworks from western and non-western cultures throughout history are studied to form the basis for a life-long appreciation of the visual arts. Attendance at local and/or regional art exhibitions and museums is required. Meets three times per week.

150. APPRECIATION FOR THE ART MAJOR – 3 hours
A survey course in the visual arts emphasizing the development of perceptual and conceptual awareness through an investigation of the nature of art. Significant artists and artworks from western and non-western cultures throughout history are studied and issues important to artists will be discussed. Attendance at local and/or regional art exhibitions and museums is required. The completion of a sophomore portfolio will be required of all students. Prerequisites: Open to Art Majors only during the spring semester of their sophomore year.

160. DESIGN II - 3 hours
Exploration of basic three dimensional design concepts directed toward the development of individual aesthetic sensitivity. Should be taken during the freshman year. Prerequisite: ART 110.

190. INTRODUCTION TO COMPUTER GRAPHICS -3 hours
Introduction to the use of computers in art and design; hands-on instructions with the operating system; theory and practice of word and image processing using graphics software; instruction in the use of graphics-related hardware, including graphics tablets, optical scanners, laser and ink-jet printers. Emphasis on aesthetic potential of computer-assisted imaging at a basic level.

204. DRAWING II - 3 hours
Emphasis on the human figure and anatomy; skill development in perceptual sensitivity and in rendering using line tone, modeling and color; drawing in perspective as applied to the human form. Prerequisite: ART 104.

205. DIGITAL ILLUSTRATION - 3 hours
The study and practice of digital drawing techniques practiced by professional graphic designers. Emphasis will be on becoming skilled in advanced vector manipulation techniques using Adobe Illustrator as the primary design tool. Projects include studies in perspective, composition, realism, natural media tools, and three-dimensional rendering. Prerequisites: ART 110 and 190 or 290.

210. WATERCOLOR PAINTING I - 3 hours
Investigation of the various water media and their techniques; painting from still life, landscape, and the figure.

215. OIL/ACRYLIC PAINTING I - 3 hours
Exploration of the techniques an-d materials of the oil/acrylic painting media; painting from still life, landscape, and the figure.

220. CERAMICS I - 3 hours
Introduction to handformed and wheelthrown ceramics; the use of engobes, stains, and glazes, kiln loading and firing; emphasis on the aesthetic potential of clay.

230. PRINTMAKING I - 3 hours
Introduction to printmaking; basic surface relief, intaglio and stencil printing methods and techniques.

240. SILK SCREEN PRODUCTION - 3 hours
Photo silk screen techniques for applications in graphic design and fine art.

244. GRAPHIC DESIGN HISTORY - 3 hours
History of Graphic Design theory, practice, and philosophy as well as the study of contemporary design.

250. CRAFTS I - 3 hours
Application of aesthetic principles to the craft areas; emphasis on functional design and craftsmanship. Prerequisite: ART 110, 160, or consent of instructor.

260. SCULPTURE I - 3 hours
Beginning course in sculpture, emphasizing use of design concepts in a personally creative and aesthetically successful manner. Work will be done with traditional media (clay, plaster, wood) as well as more contemporary materials (cloth, wire, plastics). Prerequisite: ART 160.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of art. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

283. GRAPHIC DESIGN I - 3 hours
Principles, aesthetics and mechanics of design are explored as a foundation for graphic design. Prerequisites: ART 104, 204, or consent of instructor.

285. PHOTOGRAPHY I - 3 hours
Introduction to the basic concepts of photography; theory and lab instruction in developing and printing photographs. Students must provide a 35mm single lens reflex (SLR) camera that has manual capabilities.

286. INTRODUCTION TO TYPOGRAPHY - 3 hours
An introduction to the study of type -- an essential element of virtually all graphic design. The course is designed to give the student an overview of the history of type and to enlighten the student on how to identify and create excellent typography. Prerequisites: ART 110 and 190 or 290.

295. INTRODUCTION TO WEB DESIGN - 3 hours
An introduction into design for the Web including concepts, preparation and production. Emphasis will be on the graphic designer's role in web site development. Students will learn current tools and techniques for creating successful websites Prerequisites: ART 110, 388 and 190 or 290.

304. DRAWING III - 3 hours
Intermediate drawing in various drawing media; emphasis on original, creative drawing from life and imagination. Prerequisite: ART 204.

310. WATERCOLOR PAINTING II - 3 hours
Continuation of Watercolor Painting I at an intermediate level. Prerequisite: ART 210.

315. OIL/ACRYLIC PAINTING II - 3 hours
Intermediate painting in various painting media including oils, the acrylics, and other synthetic media. Prerequisite: ART 215.

320. CERAMICS II - 3 hours
Continuation of ART 220. Exploration of form mainly from the standpoint of the enclosed volume as produced by the potter's wheel; clay and glaze theory and application; kiln designs and uses. Prerequisite: ART 220.

330. PRINTMAKING II - 3 hours
Exploration of the graphic media, relief, intaglio, and planographic; prints as problems in black and white and color. Prerequisite: ART 230.

340. HISTORY OF WESTERN ART I - 3 hours
The history and development of art of Western civilizations from prehistory to the end of the Imperial Roman period.

341. HISTORY OF WESTERN ART II - 3 hours
The history and development of art of Western civilizations from the end of the early Christian period to the end of the Rococo period.

342. HISTORY OF WESTERN ART III 3 hours
The history and the development of art of Western civilizations from 1750 to present.

343. SURVEY OF NON-WESTERN ART - 3 hours
Historically-based survey of the art and artists of non-Western cultures, including Japan, China, India, Central and South America. Overview of ethnographic art and artists of African, Pacific Island, and Native North American Tribal cultures. Introduction to the concept and practice of "Folk Art" in selected areas of the world.

350. CRAFTS II - 3 hours
Continuation of ART 250 with increased opportunity for individual development in two or more craft media. Prerequisite: ART 250.

360. SCULPTURE II - 3 hours
Continuation of ART 260. Exploration of sculptural form mainly within the limitations of figurative representation through clay modeling, casting in plaster and other materials, and wood carving. Prerequisite: ART 260.

370. ART EDUCATION I - 2 hours
Procedures for teaching art in a selfcontained elementary classroom with emphasis on two dimensional methods and materials. Prerequisites: EDUC 100 and EDUC 201.

375. CURRICULUM, METHODS AND MATERIALS IN ART (GRADES K-4, 5-8) - 3 hours
Philosophies, theories and goals of art education; curriculum development; classroom organization and management; methods and materials for teaching art in the elementary and middle schools. Prerequisite: EDUC 301. To be taken prior to the Professional Semester. Students must have passed all three Praxis I Tests (PPST).

376. CURRICULUM, METHODS AND MATERIALS IN ART (GRADES 5-12) - 3 hours
Philosophies, theories, and goals of art education; curriculum development; classroom organization and management; methods and materials for teaching art in the secondary schools. Prerequisites: Admission to Professional Education *(This includes passing all three PPST tests and achieving an overall G.P.A. of at least 2.50)*, EDUC 301. Minimum grade of "C" required.

380. ILLUSTRATION - 3 hours
Fundamentals necessary for visual expression of ideas; commercial illustration as well as magazine and book illustration; advanced design and composition. Prerequisites: ART 104, 160, 204 or consent of instructor.

383. GRAPHIC DESIGN II - 3 hours
Continuation of ART 283 with the introduction of the Macintosh computer as a design tool. Prerequisite: ART 283, 290.

385. PHOTOGRAPHY II - 3 hours
Advanced study in photography; the aesthetics and syntax of photography, discussion of the various schools of fine art photography; photochemistry; advanced darkroom techniques; the view camera, alternative process; electronic still photography and digital imaging. Students must provide a cameral that has manual capabilities. Prerequisite: ART 285 or the equivalent.

386. ADVANCED TYPOGRAPHY - 3 hours
Advanced study of typography with assignments that define its symbolic and communicative aspects. Incorporates the use of Quarkxpress as a major design tool. Prerequisite: ART 286.

388. DIGITAL IMAGING - 3 hours
An advanced exploration of digital imaging using Adobe Photoshop and other imaging programs. Students will work with channels, masking, lighting effects and custom brushes to create original works of art. Digital photography and stock photo manipulation will also be covered. The emphasis of the class will be on originality and creativity in the development of professional quality portfolio pieces. Prerequisites: ART 110 and 190 or 290.

389. EDITORIAL LAYOUT - 3 hours
Advanced study of editorial layout, typography and pre-press production with assignments that challenge students to develop pieces for their portfolios. Prerequisites: ART 283, 286.

393. ART EDUCATION ART FOR THE SPECIAL CHILD - 3 hours
The development of fundamental art skills and attitudes and the application of curriculum design and development for the special student.

395. ANIMATION FOR THE WEB - 3 hours
Animation can be used to attract attention, express ideas, tell stories, entertain, or sell products. This class will explore animation on the web; how it is currently being used effectively and ineffectively. Students will learn the fundamentals of building and presenting animations for web delivery. Prerequisites: Juniors and Seniors who have taken ART 110, 288 and 190 or 290.

404. DRAWING IV - 3 hours
Continuation of Drawing III at an advanced level. Prerequisite: ART 304.

410. WATERCOLOR PAINTING III - 3 hours
Continuation of Watercolor Painting II at an advanced level. Prerequisites: ART 210, 310.

415. OIL/ACRYLIC PAINTING III - 3 hours
Continuation of Oil/Acrylic Painting II at an advanced level. Prerequisites: ART 215, 315.

420. CERAMICS III - 3 hours
Continuation of ART 320 at an advanced level in stoneware, porcelain and raku clay techniques. Prerequisite: ART 320.

430. PRINTMAKING III - 3 hours
Continuation of Printmaking II at an advanced level. Prerequisite: ART 330.

450. CRAFTS III - 3 hours
Continuation of ART 350 with study of craft media at an advanced level. Prerequisite: ART 350.

460. SCULPTURE III - 3 hours
Continuation of ART 360 at an advanced level with emphasis on individual development of expressive sculptural form. Prerequisite: ART 360.

470. ART EDUCATION II - 2 hours
Procedures for teaching art in a self-contained elementary classroom with emphasis on three dimensional methods and materials. Prerequisite: ART 370.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Art. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to department chairperson.

479. A-N SPECIAL PROBLEMS - 1-3 hours
Directed individual work with various members of the faculty; may be offered at any time. Student requests require approval of instructor. May be taken for a maximum of 3 hours credit in each area. Work may be in: A, painting; B, sculpture; C, ceramics; D, printmaking; E, drawing; F, commercial art; G, art history; H, art education; I, photography; J, crafts; K, graphic design; L, graphic design internship; M, computer graphics; N, West Liberty Design Group.

483. GRAPHIC DESIGN III - 3 hours
A continuation of Graphic Design 383 with advanced problems using traditional and computer applications. The course will emphasize the role that the graphic designer plays in the development of graphics within a professional setting. Prerequisites: ART 205, 286, 295, 383 and 388. Entry to the class is contingent upon successful completion of a graphic design portfolio review.

484. 3D GRAPHIC DESIGN - 3 hours
Study in 3D graphic design, package, display and exhibition design. Prerequisites: ART 283, 383.

486. SENIOR PROJECT - 3 hours
Fourth year requirement of graphic design majors. The development of a comprehensive design project from concept to completed form. The student will also assemble completed works into a professional portfolio package for use in an interviewing situation. Prerequisites: ART 283, 285, 383, 483.

491. SEMINAR: STUDIO MEDIA - 1-3 hours
A concentrated studio exploration of a selected medium. Credit hours to be determined by the instructor. May be repeated under different media.

495. MOTION GRAPHICS - 3 hours
Advanced explorations into digital motion graphics and special effects for online delivery, video, and stand alone artistic installations. Students will storyboard and produce a variety of motion projects ranging from text animations to layered video sequences. Professional motion graphics software will be used for audio and video editing. Prerequisites: ART 295 and 395 or consent of the instructor.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

498. SENIOR COMPREHENSIVE EXHIBITION - 1 hour
Gallery exhibition required of graphic design, art education comprehensive, art education 512, liberal arts majors in their senior year.

ATHLETIC TRAINING (AT)

100. INTRODUCTION TO ATHLETIC TRAINING - 3 hours
This course is designed to introduce students to the profession of Athletic Training. Throughout this course, students will learn the history of the profession, information on epidemiology of athletic injuries, pre-participation physical exams, strength training/conditioning, pharmacology, environmental conditions, protective devices, emergency care and nutrition. After completing this course the students should have the basic knowledge of the profession of athletic training. Requires 30 hours of observation in the Athletic Training Room.

200. ATHLETIC TRAINING CLINICAL PRACTICUM I - 1 hour
This clinical rotation allows for the sophomore level student to gain experience in the profession of Athletic Training outside of the classroom and in the clinical setting. Under the supervision of a preceptor, the student will be challenged to transfer knowledge learned didactically and apply it in the clinical setting. Students will be expected to begin to understand and demonstrate the knowledge and skills identified in the Standards as designated by the CAATE (Commission on Accreditation of Athletic Training Education) and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. A minimum of

40 clinical hours is required to earn credit for the class. Prerequisite: AT 100.

205. ATHLETIC TRAINING CLINICAL PRACTICUM II - 1 hour
This clinical rotation allows for the sophomore level student to gain experience in the profession of Athletic Training outside of the classroom and in the clinical setting. Under the supervision of a preceptor, the student will be challenged to transfer knowledge learned didactically and apply it in the clinical setting as well as build on current information learned in the first clinical practicum. Students will be expected to begin to understand and demonstrate the knowledge and skills identified in the Standards as designated by the CAATE (Commission on Accreditation of Athletic Training Education) and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. A minimum of 40 clinical hours is required to earn credit for the class. Prerequisite: AT 200.

220. ATHLETIC TRAINING TAPING AND BRACING - 3 hours
An overview of bandaging, taping and bracing that would be expected from an entry-level athletic trainer. The course covering the basic components of the afore mentioned categories and relate them to different body parts and pathologies that would need taping and bracing. Students will learn concepts didactically and need to demonstrate those techniques on each other in a lab setting. Prerequisite: AT 100.

225. THERAPEUTIC MODALITIES - 3 hours
This class is designed to provide an introduction to the use of therapeutic modalities and their application for athletic injuries. Students will learn about the injury response cycle and healing process and how to incorporate modalities to these processes. Not only how modalities work, but the physiology behind their therapeutic effects will be discussed. Students will become proficient as far as application, electrode placement, patient set-up and machine parameters in most forms of modalities used today. Prerequisite: AT 220.

300. ATHLETIC TRAINING CLINICAL PRACTICUM III - 2 hours
Building on the first year of clinical experiences, students will continue to be challenged to transfer knowledge gained in the classroom and apply it in the clinical settings. Under the supervision of a preceptor, the students will be expected to demonstrate the knowledge and skills identified in the Standards as designated by the CAATE (Commission on Accreditation of Athletic Training Education) and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. A minimum of 80 clinical hours is required to earn credit for the class. Prerequisite: AT 205.

305. ATHLETIC TRAINING CLINICAL PRACTICUM IV - 2 hours
Building on the first year of clinical experiences, students will continue to be challenged to transfer knowledge gained in the classroom and apply it in the clinical settings. Under the supervision of a preceptor, the students will be expected to demonstrate the knowledge and skills identified in the Standards as designated by the CAATE (Commission on Accreditation of Athletic Training Education) and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. A minimum of 80 clinical hours is required to earn credit for the class. Prerequisite: AT 300.

330. REHABILITATION OF LOWER EXTREMITY ATHLETIC INJURIES – 3 hours
This course is designed to educate the student in the rehabilitative aspects of patient care. Therapeutic exercise, strength training, range of motion exercises, aquatic therapy and other rehab techniques specific to the lower extremity and trunk are focused on in this class. Prerequisite: AT 225.

335. REHABILITATION OF UPPER EXTREMITY ATHLETIC INJURIES – 3 hours
This course is designed to educate the student in the rehabilitative aspects of patient care. Therapeutic exercise, strength training, range of motion exercises, aquatic therapy and other rehab techniques specific to the upper extremity and cervical spine are focused on in this class. Prerequisite: AT 330.

340. ORTHOPEDIC ASSESSMENT OF THE LOWER BODY – 3 hours
This course concentrates on the evaluation techniques and special tests needed for the proper diagnosis of orthopedic injuries. The class deals with the lower extremity and trunk. Students will become efficient in the necessary skills and hands on techniques athletic trainers utilize to evaluate orthopedic injuries. The students will also learn to determine when referrals and further care is indicated. A strong knowledge of anatomy is needed for this class. Prerequisite: AT 225.

345. ORTHOPEDIC ASSESSMENT OF THE UPPER BODY – 3 hours
This course concentrates on the evaluation techniques and special tests needed for the proper diagnosis of orthopedic injuries. The class deals with the upper extremity and cervical region. Students will become efficient in the necessary skills and hands on techniques athletic trainers utilize to evaluate orthopedic injuries. The students will also learn to determine when referrals and further care is indicated. A strong knowledge of anatomy is needed for this class. Prerequisite: AT 340.

355. GENERAL MEDICAL CONDITIONS AND PHARMACOLOGY IN ATHLETIC TRAINING - 3 hours
The course is designed to provide the Athletic Training Student with the knowledge and the skills of recognition, management and referral of otherwise less common pathologies that may be seen in the field of athletic training. It discusses disorders and pathologies of the body using a systematic approach by utilizing the body systems as a guide. The student will be educated in a wide range of conditions that could occur with any physically active person at any time Prerequisites: AT 330, 340.

400. ATHLETIC TRAINING CLINICAL PRACTICUM V - 2 hours
Senior level students will now have four semesters of clinical practicum cohort entering their final year of the program. The students will continue to be challenged to transfer knowledge gained in the classroom and apply it in the clinical settings. Under the supervision of a preceptor, the students will be expected to demonstrate the knowledge and skills identified in the Standards as designated by the CAATE (Commission on Accreditation of Athletic Training Education) and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. At the senior level it is to be expected the student will be polishing the skills of a successful clinician such as evaluation skills, critical thinking and problem solving, exercise and rehabilitation prescriptions and appropriate decision making when diagnosing injuries and choosing modalities for treatment plans. A minimum of 80 clinical hours is required to earn credit for the class. Prerequisite: AT 305.

405. ATHLETIC TRAINING CLINICAL PRACTICUM VI - 2 hours
Senior level students will now have four semesters of clinical practicum cohort entering their final year of the program. The students will continue to be challenged to transfer knowledge gained in the classroom and apply it in the clinical settings. Under the supervision of a preceptor, the students will be expected to demonstrate the knowledge and skills identified in the Standards as designated by the CAATE (Commission on Accreditation of Athletic Training Education) and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. At the senior level it is to be expected the student will be polishing the skills of a successful clinician such as evaluation skills, critical thinking and problem solving, exercise and rehabilitation prescriptions and appropriate decision making when diagnosing injuries and choosing modalities for treatment plans. A minimum of 80 clinical hours is required to earn credit for the class. Prerequisite: AT 400.

410. SEMINAR IN ATHLETIC TRAINING – 2 hours
This class will deal with discussions on contemporary issues in Athletic Training including current research and implications and technological advances. Evidence-Based Medicine and research, research design is emphasized in this class. Prerequisites: AT 335, 345, 355.

420. ATHLETIC TRAINING- A PROBLEM BASED APPROACH I – 3 hours
This senior level course is intended to challenge the students to become critical thinkers and problem solvers. Using a case-based scenario, students are in small groups and forced to identify, research and discuss relevant topics related to a specific case or topic. The students take learning into their own hands, as the instructor is merely a facilitator in discussion. A very challenging learning style and much different from the traditional styles of learning this course aims to review all topics that students have learned over the previous semesters and forces them to problem solve and apply knowledge. Pre-requisites: AT 335, 345, 355.

425. ATHLETIC TRAINING-A PROBLEM BASED APPROACH II – 3 hours
This senior level course is intended to challenge the students to become critical thinkers and problem solvers. Using a case-based scenario, students are in small groups and forced to identify, research and discuss relevant topics related to a specific case or topic. The students take learning into their own hands, as the instructor is merely a facilitator in discussion. A very challenging learning style and much different from the traditional styles of learning this course aims to review all topics that students have learned over the previous semesters and forces them to problem solve and apply knowledge. The second level class deals with more involved patients. Prerequisites: AT 410, 420.

435. ADMINISTRATIVE ASPECTS OF ATHLETIC TRAINING – 2 hours
This class focuses on an introduction to organizational and administrative aspects in athletic training. Topics include athletic training room facility design, medical record keeping procedures, personnel and program management, budget planning, drug testing, and legal aspects and other various topics dealing with professional issues. Prerequisites: AT 410, 420.

445. ATHLETIC TRAINING CAPSTONE – 3 hours
Designed for second semester students in Athletic Training. Will emphasize preparing for the national board exam. This will be a comprehensive review of all topics in AT as deemed relevant according to the CAATE standards set forth. Students will practice test taking skills, self evaluation study techniques and learn how to apply and register to take the BOC exam. Prerequisites: AT 410, 420.

BACHELOR OF ORGANIZATIONAL LEADERSHIP AND ADMINISTRATION (BLA)

The following BLA courses are restricted to students enrolled in the BLA Program.

300. INTRODUCTION TO THE BACHELOR OF ORGANIZATIONAL LEADERSHIP AND ADMINISTRATION (BLA) PROGRAM – 1 hour
These sessions introduce participants to the BLA program by providing overviews and explanations of the program's mission, goals and outcomes, the curricular contents, class preparation expectations, the types of assignments, the grade evaluation criteria, and the applied research project. These sessions will also introduce students to the basics of technologies available and useful for the program. These sessions will include the administration of early program assessment instruments; those are assessment instruments which will aim to measure participants' progress in regard to a specific program outcome at the beginning and the end of the program. Finally, participants will complete and discuss a Kiersey self-assessment examination.

302. PERSPECTIVES ON LEADERSHIP – 3 hours
This course exposes participants to some major historical perspectives on leadership. In addition it examines: the differences between leadership and management, why leadership is an art, leadership motivation, and the importance of creativity and change. Assignments for this course include the development of a leadership definition, by each student, that integrates aspects of the course contents, and a change/creativity audit. Prerequisite: BLA 300.

304. ORGANIZATIONAL COMMUNICATION AND NEGOTIATION – 3 hours
In this course, students learn how to become effective oral and written communicators and negotiators in organizational settings. Communication theories are examined and discussed as the basis for understanding the dynamics of the communication and negotiation processes. Students apply these concepts as they develop skills in oral presentation, negotiation, and in writing composition in regard to writing letters, memoranda, e-mails and reports. A major course assignment is an individual oral presentation in which students use presentation management technology that is appropriate to tasks that leaders typically perform in organizations. Prerequisite: BLA 302.

306. CURRENT THEORIES OF LEADERSHIP AND MANAGEMENT – 3 hours
This course examines major current theories of leadership. Emphasis is additionally placed on leading change, morale building, and personality self-assessment for improving leadership. Prerequisite: BLA 304.

308. ORGANIZATIONAL ETHICS – 3 hours
This course focuses on the ethical challenges and issues that face individuals at all levels within an organization. Students become familiar with types of organizational ethics policies and codes, and ways in which the ethics culture of an organization develops. A model for ethical decision making is presented, which is applied in numerous types of exercises and case studies. Case studies and case analyses are also created by students through which they address actual ethical situations from their experiences in organizations. Prerequisite: BLA 306.

310. LEADERSHIP IN LITERATURE AND FILM – 3 hours
Through studying works from various literary genres [e.g., biography, essay, novel, novella, play (tragedy or comedy), short story, and poetry] and viewing film, this course will examine the lives, representations, or portrayals of leaders. Students will practice decision making by assessing the leadership in the literary work(s)

and film according to leadership theories and their own definition of leadership. Prerequisite: BLA 308.

400. MARKETING FOR LEADERS – 3 hours
This course studies basic principles of and important strategies for marketing in for-profit and non-profit organizations. Emphases are placed upon examining 1) the role of marketing in creating and delivering the value proposition, and 2) how marketing fits into an organizational structure. A major assignment in this course is for the students to develop a management/administrative plan for marketing a particular project or program within an organization. Prerequisite: BLA 310.

402. RESEARCH METHODS AND DESIGN – 3 hours
Students examine key concepts of research design, methods of data collection and data analysis. They are familiarized with the fundamentals of writing a clear research question, literature review, hypothesis formation, sampling techniques, developing questionnaires, interviewing, and designing tables and graphs. They also learn to use appropriate research technologies, which can be applied to their work in organizational situations. A major outcome of this course is that students will complete a proposal and a detailed research plan for their applied research projects. Prerequisite: BLA 400.

404. FINANCE FOR ADMINISTRATORS – 3 hours
Students investigate the financial concepts and principles necessary to be fiscally competent and responsible leaders and administrators in organizations. They are provided with a working knowledge of essential concepts, techniques, and technologies that are used in understanding and administering the finances of organizations. Sound decision making in the application of those concepts, techniques, and technologies for effective organizational leadership is a principal emphasis. Prerequisite: BLA 402.

406. ORGANIZATIONAL PSYCHOLOGY – 3 hours
This course familiarizes students with the application of the principles and methods of the science of behavior and mental processes to people at work. Topics include motivational theory, the role of organizational vision and mission statements, performance appraisals, conflict resolution, job satisfaction, employee safety and health, and various human relations issues in organizational administration. Prerequisite: BLA 404.

408. HUMAN RESOURCES FOR ADMINISTRATORS – 3 hours
Students are provided with a basic understanding of policies and practices in personnel administration in organizations, such as job analysis, selection of employees, placement, training, compensation and benefits, employee services, and labor relations. In addition, emphasis is placed on the role that human resources has in the strategic planning and implementation process in an organization. Prerequisite: BLA 406.

410. LEGAL ISSUES IN ORGANIZATIONAL LEADERSHIP AND ADMINISTRATION – 3 hours
This course explores the fundamental principles of law pertinent to for-profit and non-profit organizations. Besides the general administration of business and non-profit law, specific topics include property, intellectual property, torts, contracts, insurance, agency, negotiable instruments, business organizations, security relations, and trade regulations. Students practice decision making by applying relevant laws and principles to analyses of cases. Prerequisite: BLA 403.

412. CAPSTONE: APPLIED RESEARCH PROJECT – 2 hours
Students' applied research projects are completed with the close guidance of a director. The culmination of their work is a public presentation of their project. Prerequisite: BLA 410.

BIOLOGY (BIO)

105. LIFE SCIENCES FOR THE NON-MAJOR - 3 hours
A survey course designed for the non-science major. Major emphasis on basic biological concepts such as characteristics of life, mitosis, meiosis, cells and genetics; the higher plants (angiosperms); and the human organ systems. Concurrent enrollment in BIO 106 required unless previously passed.

106. LIFE SCIENCES FOR THE NON-MAJOR LABORATORY - 1 hour
Designed to expose the non-science major to laboratory techniques and methodologies. Emphasis will be placed on gathering laboratory data, basic biological concepts, higher plants, and the major human systems. One two-hour laboratory per week. Must enroll in both BIO 105 and BIO 106 concurrently unless BIO 105 has already been passed.

124. BIOLOGICAL PRINCIPLES - 3 hours
This is a foundation course for most of the advanced courses in biology. Three lectures per week. Primarily for biology majors and minors, majors in biology or chemistry teacher education, students in the professional programs (pre-medical, pre-dental, etc.) and students in the health professions. Must be taken concurrently with BIO 125. Minimum Math ACT score of 19 (or comparable SAT score) or passing of the ASSET test or successful completion of MATH 046.

125. BIOLOGICAL PRINCIPLES LABORATORY - 1 hour
Emphasizes concepts and principles of biology. One two-hour laboratory per week. Must be taken concurrently with BIO 124. Minimum Math ACT score of 19 (or comparable SAT score) or passing of the ASSET test or successful completion of MATH 046.

140. LIFE SCIENCES I FOR ELEMENTARY TEACHERS - 3 hours
This is a lecture course dealing with the life science content found within elementary school curriculum. Topics include the structure and function of living systems, reproduction, and heredity. Three hours of lecture per week. Open only to Elementary Education K-6 students. This course is to be taken prior to BIO 340: Life Sciences II for Elementary and 5-9.

200. BIOLOGY OF PLANTS (BOTANY) - 4 hours
A study of metabolic processes and structure of algae, fungi, bryophytes and vascular plants. Three lectures and one two-hour laboratory per week. Primarily for biology majors and minors as well as majors in biology teacher education. Prerequisites: BIO 124 and BIO 125.

202. BIOLOGY OF ANIMALS (ZOOLOGY) - 3 hours
Development, morphology, diversity and phylogeny of the major animal phyla. Three lectures per week. Primarily for biology majors and minors, majors in biology teacher education, and students in pre-professional programs. Must be taken concurrently with BIO 203. Prerequisites: BIO 124 and BIO 125.

203. BIOLOGY OF ANIMALS (ZOOLOGY) LAB – 1 hour
Laboratory studies of animal phyla. One two-hour laboratory weekly. Must be taken concurrently with BIO 202. Prerequisites: BIO 124 and BIO 125.

204. ANATOMY AND PHYSIOLOGY FOR DENTAL HYGIENE – 3 hours
A one semester Human Anatomy and Physiology course covering all major body systems. Topics include integumentary, skeletal, muscular, nervous, endocrine, digestive, excretory, respiratory, cardiovascular, and reproductive systems. Must be taken concurrently with BIO 205. For Dental Hygiene majors only.

205. ANATOMY AND PHYSIOLOGY FOR DENTAL HYGIENE LAB – 1 hour
A one semester Human Anatomy and Physiology lab course covering all major body systems. Experiments, dissections, and demonstrations will cover tissues, integumentary, skeletal, muscular, nervous, endocrine, digestive, excretory, respiratory, cardiovascular, and reproductive systems. Must be taken concurrently with BIO 204. For Dental Hygiene majors only.

210. ESSENTIALS OF BIOMEDICAL TERMINOLOGY - 3 hours
A study of the basic Latin and Greek word parts, including roots, prefixes and suffixes used in forming technical words in Biology and medicine. Three lectures per week. Primarily for students in the health professions.

212. ANATOMY AND PHYSIOLOGY - 4 hours
Fundamental structure and function of the human body, emphasizing the physiology of the major systems. Three lectures and one three-hour laboratory per week. Primarily for students in the health professions.

214. ANATOMY AND PHYSIOLOGY II – 2 hours
A two-credit hour lecture course to provide students with the basic knowledge of the structures and functions for the human organ systems not covered in Anatomy and Physiology I (BIO 212). The course will cover the anatomy and physiology of the endocrine system, reproductive system, digestive system, and the urinary system. Students are expected to have a knowledge background equivalent to Biological Principles (BIO 124/125). This course is strongly recommended as a prerequisite. Not for biology majors.

216. MICROBIOLOGY - 3 hours
Structure, physiology, ecology, and taxonomy of bacteria, molds, yeasts, and microscopic organisms in general, aseptic techniques, culturing, physiology, and microscopic examinations. Two lectures and one two-hour laboratory per week. Primarily for students in the health professions.

220. SCIENTIFIC METHODOLOGIES - 1 hour
A techniques-oriented course designed to give students the foundation to succeed in all scientific disciplines. Students learn dilutions, pipetting techniques, solution preparation, and proper us of laboratory equipment.

221. TERRESTRIAL BIOLOGICAL STATISTICS AND EXPERIMENTAL DESIGN - 3 hours
This course emphasizes concepts and principles of biological statistics and data analysis with online learning modules and one two-hour (in-person) laboratory per week for practical experience. Students will learn the basic concepts of experimental design and analysis of biological data. In addition, they will demonstrate a confidence with the use of statistical methods when confronted with: biological problems, experimental results, observational studies, or experimental design. A laptop computer is strongly recommended. Prerequisites: BIO 124/125.

224. FIELD NATURAL HISTORY - 3 hours
This course will focus on the flora and fauna of the Appalachian region, with an emphasis on the natural history and life histories utilized by organisms of this ecoregion. Emphasis will be placed on elucidating macroevolution mechanisms that resulted in the elevated biodiversity rates observed in eastern North America, and learning proper usage of field guides and natural history data recording. Environmental and cultural issues that limit the regions natural history will be discussed. Class will include readings, videos, lectures, and field excursions to local and distant regions of the Appalachian Mountains.

225. ECOLOGICAL HABITATS AND BIOLOGICAL DIVERSITY - 1 hour
A traveling and camping course to other states. Students study and sample characteristic species of these habitats and the ecological factors that organize them into communities and ecosystems. Conservation biology issues are discussed. Prerequisites: BIO 124, 125, 200 and 202.

226. MARINE ECOLOGICAL HABITATS AND BIOLOGICAL DIVERSITY - 1-3 hours
A traveling and camping course to a marine environment. Students study and sample characteristic species of marine habitats and the ecological factors that organize them into communities and ecosystems. Conservation biology issues are discussed. Students will receive instruction and become certified in scuba diving as part of this course, prior to the field experience in a marine environment. Prerequisites: BIO 124, 125, 200 and 202.

235. INTRODUCTION TO ENVIRONMENTAL POLICIES AND ISSUES – 3 hours
Survey of major environmental laws and their scientific basis and policy implementation. Includes issues in hazardous materials, toxicology, microbiological regulation, endangered species, water and air quality, habitat protection and mitigation, and wildlife management policy. The course emphasizes case study and seminar formats and outside critical reading and writing assignments.

278. SPECIAL TOPICS IN BIOLOGY I – 1-3 hours
A special course category for contemporary topics in the general field of the biological sciences. Students should consult the schedule to ascertain what topics are currently being presented, and are encouraged to recommend to the department chairperson any topics of interest to them.

302. HUMAN ANATOMY AND PHYSIOLOGY I - 3 hours
BIO 302 is the first of two courses in detailed study of the structure and function of the human body. Emphasis will be placed on systemic anatomy in addition to basic biochemical processes and homeostatic mechanisms of the integumentary, muscular, skeletal, nervous, and endocrine systems. BIO 303 (A&P I Lab) must be taken concurrently. BIO 302 is designed for biology majors and minors, biology education majors, and pre-professional students. Students must have sophomore standing for this course. Prerequisites: BIO 124, and 125, CHEM 110, 111.

303. HUMAN ANATOMY AND PHYSIOLOGY I LAB – 1 hour
This laboratory class consists of exercises, experiments and demonstrations on topics covered in BIO 302. This lab must be taken concurrently with BIO 302. Students must have sophomore standing for this course. Prerequisites: BIO 124 and 125, CHEM 110, 111.

306. BIOTECHNOLOGY I – 3 hours
First semester of a two semester laboratory course designed to teach students isolation/purification of DNA, recombinant DNA technology and DNA amplification. Three two-hour labs per week. Preference given to students in the Biotechnology Track. Prerequisites: BIO 124, 125 and 220; CHEM 112, 113.

307. PLANT TISSUE CULTURE – 2 hours
A course to teach students how to maintain and grow plant cells in culture. Students will learn aseptic technique, preparation of medium, and cell manipulation. Prerequisites: BIO 124 and 125.

308. ANIMAL TISSUE CULTURE - 2 hours
A course designed to teach students how to maintain and grow animal cells in culture. Students will learn aseptic technique, preparation of medium, cryopreservation of cells, and proliferation assay. Prerequisites: BIO 124 and 125.

317. PRINCIPLES OF IMMUNOLOGY - 3 hours
Concepts of humoral immunity, cell-mediated immunity and hypersensitivity; immunological phenomena involved in many human diseases, transplant rejection and tumor progression; and information concerning serological tests related to patient care. One three-hour lecture per week. Primarily for students in Microbiology Track, biology majors and minors, majors in biology teacher education, students in pre-professional programs (pre-medical, pre-dental, etc.), and advanced students in the health professions. Prerequisites: BIO 124, 125, BIO 216 or 325.

320. CURRENT TOPICS IN BIOTECHNOLOGY – 1 hours
A special course category for contemporary topics in the general field of biotechnology. Topics covered may include immunology, environmental biotechnology, and plant biotechnology. Students should consult the schedule to ascertain what topics are being presented, and are encouraged to recommend to the Biotechnology Track Coordinator any topics of interest to them. Preference given to students in the Biotechnology Track.

321. BIOTECHNOLOGY II – 3 hours
A continuation of Biotechnology I. Students will learn how to purify recombinant protein products generated the previous semester. Students will also learn how to perform assays necessary to detect the purified protein. Three two-hour labs per week. Preference given to students in the Biotechnology Track. Prerequisite: BIO 306.

325. GENERAL MICROBIOLOGY - 4 hours
Morphology and functions of microorganisms and their relationships to humans. Laboratory methods of culturing and identifying bacteria and other microorganisms, as well as techniques for analyzing samples for the presence of bacteria. Three lectures and one three-hour laboratory per week. Primarily for students in Microbiology track, biology majors and minors, majors in biology teacher education, students in pre-professional programs, and advanced students in the health professions. Prerequisites: BIO 124, 125, CHEM 110, 111, 112, 113.

327. MICROBIAL PHYSIOLOGY – 3 hours
This course will introduce students to prokaryotic cell structure and function, as well as growth and its regulation. Basic topics include biosynthesis of DNA, RNA, and protein. Also, intermediary metabolism and microbial fermentation will be studied. Transfer of genetic information in prokaryotes and regulation of gene expression will be covered in this course. Three lectures per week. Enrollment in this course is limited to students in the Microbiology Track. However, other biology students may take this course upon approval by the coordinator of Microbiology Track. Prerequisites: BIO 325, 460, and acceptance into the Microbiology Track.

328. HUMAN ANATOMY AND PHYSIOLOGY II - 3 hours
A course covering the detailed structure and function of major organ systems in the human body. This course will cover those systems not covered in BIO 302, typically digestive, endocrine, reproductive, respiratory, immune, lymphatic, and excretory. BIO 334 must be taken concurrently. Three lectures per week. Students must have sophomore standing for this course. Prerequisites: BIO 124, 125, and 302, CHEM 110, 111.

329. APPLIED MICROBIOLOGY - 4 hours
An integrated lecture/laboratory course designed to explore the interrelationships and functions of microorganisms in ecological and environmental processes related to water, soil, food, dairy and solid waste disposal and bioremediation. Emphasis will be placed on laboratory procedures governing the treatment of wastewater, drinking water, and food and beverages produced for public utilization. Laboratory sessions will be integrated with lecture during the seven contact hour/week. In the event of enrollment beyond course capacity, preference will be given to students in the Microbiology Track. Prerequisite: BIO 325.

330. FUNDAMENTALS OF NUTRITION - 3 hours
The chemistry of nutrients (carbohydrates, proteins, lipids, vitamins, etc.), and the metabolism of nutrients in health and disease; food calories, energy metabolism, and obesity; and nutritional deficiencies and disease. Three lectures per week. Primarily for biology majors and minors, majors in biology teacher education, students in pre-professional programs (pre-medical, pre-dental, etc), and students in the health professions. Prerequisites: Students are expected to have a minimum biology background equivalent to BIO 105.

331. PLANT TAXONOMY (SYSTEMATIC BOTANY) - 4 hours
The principles of classification of the seed plants and the evolutionary relationships among plant families; plant family relationships on a world-wide basis are clarified by observing and identifying living plants collected in the field, as well as plant specimens located in the departmental herbarium. Three lectures and one two-hour laboratory per week. Primarily for biology majors and minors, and majors in biology teacher education. Can fulfill Natural Science requirements for RN-BSN. Prerequisites: BIO 124, 125, 200.

334. HUMAN ANATOMY AND PHYSIOLOGY II LAB – 1 hour
This laboratory class consists of exercises, experiments and demonstrations on topics covered in BIO 302. This lab must be taken concurrently with BIO 328. Students must have sophomore standing for this course. Prerequisites: BIO 124,125 and 302, CHEM 110, 111.

335. ARTHROPOD DIVERSITY - 4 hours
Surveys the evolution, morphology, classification, life histories, physiology, behavior and ecology of the insects. Laboratories will include hypothesis-evaluation studies, insect sampling, collecting, mounting, labeling and identification. Students will complete a major collection of specimens identified to family. Field trips to various terrestrial and aquatic locations. Three one-hour lectures and one three-hour laboratory per week, and weekend field trips. Prerequisites: BIO 124, 125, 202.

338. MEDICINAL BOTANY - 3 hours
The class will include historical, biological, and somewhat chemical aspects of how plants have been and are used in medicine. The topics will include history of major world regions, antiquity to now, well-known prescription drugs, modern herb use, poisons, recreation, folklore, and rituals/religion. Prerequisites: BIO 200.

340. LIFE SCIENCES II FOR ELEMENTARY AND 5-9 - 4 hours
This is an integrated lecture-laboratory course dealing with the life science content found within elementary school curriculum. Topics include populations, ecosystems, diversity and adaptations of organisms. Open only to Elementary K-6 and General Science 5-9 Specialization students. Three hours of lecture and two hours of laboratory per week. Pre-requisites: BIO 140 (for Elementary K-6) or BIO 124 (for General Science 5-9 Specialization); Co-requisite: BIO 340 Lab.

341. ANIMAL BEHAVIOR – 3 hours
Examines animal behavior from a physiological, ecological, and evolutionary perspective. Topics include physiological mechanisms of behavior (neurobiology and endocrinology), social organization, mating systems and sexual selection, parental care, communication, foraging strategies, predator-prey interactions, aggression, and animal learning. Three lectures per week. Prerequisite: BIO 124, 200, 202, 203.

343. VERTEBRATE ZOOLOGY – 4 hours
Emphasizes the taxonomy, comparative morphology, life history, and conservation of vertebrates. Laboratory work will focus on comparative morphology, taxonomy, and field trips. Three hours lecture and one three hour lab per week. BIO 124, 200, 202, 203.

346. MYCOLOGY – 3 hours
The course will include a general review of the organisms classically considered to be fungi. The topics will include characteristics, subgroups, ecology and how they affect us. Three lectures per week. Prerequisites: BIO 124,125, 200 and 202.

350. DEVELOPMENTAL BIOLOGY - 3 hours
Animal reproduction and development, with emphasis on vertebrates; includes reproductive systems, cell division, germ cell formation, fertilization, normal and abnormal differentiation, experimental embryology, microscopic and macroscopic development of organisms, with emphasis on the frog, chick, and fetal pig. Three lectures and one three-hour laboratory per week. May be offered upon student request. Prerequisites: BIO 124, 125, and 202.

356. PARASITOLOGY – 4 hours
Parasitic protozoa, flatworms, roundworms, and arthropods of medical importance, with emphasis on recognition and identification of human parasites. Laboratory studies of parasites, with emphasis on recognition and disease relationships. Three one-hour lectures and one three-hour laboratory per week. For biology majors and minors, majors in biology teacher education, students in pre-professional programs, and advanced students in the health professions. Prerequisites: BIO 124 and 125.

401. GENETICS - 4 hours
Principles of gene transmission in individuals and populations. Includes cytogenetics, mendelian, population, and evolutionary genetics. Three lectures and one three-hour laboratory per week. Prerequisites: BIO 124, 125, 200, and 202; CHEM 110, 111, 112, and 113; MATH 145 or 160.

404. GENERAL ECOLOGY – 3 hours
Study of the interrelationships of plants and animals and their environment, structure of communities, food webs, nutrient cycles, and relationships within and among populations. Three lectures per week. Must be taken concurrently with BIO 405. Prerequisites: BIO 124, 125, 200, and 202.

405. GENERAL ECOLOGY LAB – 1 hour
Laboratory studies ecological research. Most work is in the field and includes extended field trips. One three-hour laboratory per week. Must be taken concurrently with BIO 404. Prerequisites: BIO 124, 125, 200, 202, and 203.

406. FIELD BIOLOGY - 4 hours
Field identification of common animals and plants, with emphasis on field work; methods of quantitatively describing plant and animal communities will be practiced in the field; students will learn methods of collection, preservation, and population estimation. Three one-hour lectures and one three-hour laboratory per week, as well as extended weekend field trips. For biology majors and minors, majors in biology teacher education, and other interested students. Prerequisites: BIO 124, 125, 200, and 202. May be offered upon student request: consult with department chairperson.

407. HUMAN GENETICS - 3 hours
Advanced concepts of inheritance mechanisms and patterns as applied to humans. Emphasis primarily on chromosome disorders and hereditary diseases including their mechanisms, identification, and prediction of their occurrence. Prerequisite: BIO 401.

408. HERPETOLOGY - 4 hours
Taxonomic review of extinct and modern amphibians and reptiles with emphasis on evolutionary history of these groups; numerous collecting trips provided through survey of local herpetofauna. Three one-hour lectures and one three-hour laboratory per week, as well as weekend field trips. For biology majors and minors, majors in biology teacher education, and other interested students. Prerequisites: BIO 124, 125, and 202. May be offered upon student request: consult with department chairperson.

409. ELEMENTS OF AQUATIC ECOLOGY AND WATER POLLUTION - 4 hours
Designed to acquaint the biology student with the principles of limnology (fresh water biology) and the problems of water pollution. Three lectures and one three-hour laboratory per week, with emphasis placed on field work. Primarily for biology majors and minors, as well as majors in biology teacher education. Prerequisites: BIO 124, 125, 200, 202, and CHEM 110, 111, 112 and 113. May be offered upon student request: consult with department chairperson.

421. EPIDEMIOLOGY OF INFECTIOUS DISEASES - 3 hours
Former course title: Communicable/Non-Communicable Diseases
Some basic principles of epidemiology and a survey of some of the common infectious diseases caused by bacteria, viruses, fungi, protozoans, and other invertebrates, *e.g.* tetanus, syphilis, gonorrhea, influenza, scarlet fever, hepatitis, food-borne infections and intoxications, streptococcal diseases, etc. Strongly oriented toward students in microbiology track, health sciences and exercise physiology. Prerequisite: A basic course in microbiology.

423. PATHOPHYSIOLOGY - 3 hours
Terminology and mechanisms (biochemical, cytological and histological) common to many diseases, including such topics as causes and types of cell injury and death, inflammation and healing, infection, the immune response, disorders of growth (including cancer), edema, fever and hypothermia, hemorrhage and shock, effects of ionizing radiation, and disorders of circulation. Three lectures per week. Primarily for biology majors and minors, majors in biology teacher education, students in the pre-professional programs (pre-medical, pre-dental, etc.), and advanced students in the health professions. Prerequisites: BIO 124, 125, and 302. May be offered upon student request: consult with department chairperson.

426. COMPARATIVE ANIMAL PHYSIOLOGY – 4 hours
Studies the normal functions of the nervous, endocrine, muscle, circulatory, respiratory, and urinary systems of animals with an emphasis on vertebrates. Three lectures and one three hour lab per week. Prerequisite: C or better in BIO 124, 202, 203.

428. EVOLUTIONARY BIOLOGY – 3 hours
A study of the principles underlying the modern concepts of natural selection and evolutionary change with emphasis on results of research in the fields of prebiotic chemical evolution, continental drift, paleontology, population biology, and genetics.. (3 hours lecture per week). Prerequisites: BIO 124 and BIO 401 OR BIO 404.

432. HISTOLOGY - 4 hours
The structure and functions of cells, tissues and organ systems, with special reference to humans. Laboratory studies of vertebrate tissues. Three lectures and one three-hour laboratory per week. Prerequisites: BIO 124, 125, 302 or 328.

440. CONSERVATION BIOLOGY- 4 hours
Emphasis on the preservation of biological diversity and its evolutionary potential. Basic topics include a history of conservation biology, investigations of metapopulation dynamics, and genetic consequences of reduced biotic populations, restoration methods for ecological systems and an analysis of important policies. Course material will focus on the Appalachian region. This class will have three one-hour lectures and one three-hour laboratory per week. Prerequisites: BIO 124, 125, 200, 202.

460. MOLECULAR BIOLOGY - 4 hours
Prokaryotic and Eukaryotic DNA replication, transcription and translation processes covered in detail. DNA repair mechanisms, chromosome structure, regulation of transcriptional events, and posttranscriptional and post-translational modification processes are also covered in conjunction with replication, transcription and translation. Three one-hour lectures per week. Must be taken con-

currently with BIO 461. Molecular Biology Laboratory. Prerequisites: BIO 124, 125, 202, CHEM 110, 111, 112, 113.

461. MOLECULAR BIOLOGY LABORATORY – 1 hour
Laboratory techniques for examining DNA, RNA, and protein at a molecular level will be introduced. Topics include isolation, purification, transformation, transfection, polymerase chain reaction, column chromatography, and other related techniques. Laboratory must be taken concurrently with BIO 460 Molecular Biology. Prerequisites: BIO 124, 125, 202, CHEM 110, 111, 112, 113.

462. MICROBIAL PATHOGENESIS - 3 hours
This course will introduce the student to the biochemical and molecular mechanisms by which microorganisms cause disease. Emphasis will be on bacteria and paradigms of bacterial-host interactions. Prerequisites: BIO 325.

464. MICROBIAL GENETICS - 4 hours
This course will introduce students to the study of bacterial genetics. Basic topics include DNA, RNA, and protein synthesis and the mechanisms bacteria use to regulate these processes. Also, the molecular and biochemical basis of mutation and gene transfer will be studied. Bacteriophage genetics will be covered in order to understand their importance in molecular genetics, biochemistry and biotechnology. Selected laboratory exercises will be integrated with the lecture throughout the semester. Enrollment in this course is limited to students in the Microbiology Track. However, other biology students may take this course upon approval by the coordinator of Microbiology Track. Prerequisites: BIO 325, 460, and acceptance into the Microbiology Track.

465. VIROLOGY - 3 hours
This is a course designed to introduce the student to the basic biology of viruses including viral structure, the various strategies of viral replication inside eukaryotic cells and regulation of gene expression. These concepts will be applied to the major viral families. Prerequisites: BIO 325.

467. BIOTECHNOLOGY INTERNSHIP - 3 hours
Practicum involving working in an academic or industrial laboratory setting. Open to juniors in the Biotechnology Track only. Applications for internships need to be obtained from the Biotechnology Track coordinator and completed during the spring semester. Prerequisites: Satisfactory completion of BIO 301, 307, 320, and 321. Summer terms.

468. SPECIAL ISSUES FOR BIOTECHNOLOGY - 3 hours
A special laboratory course for seniors in the Biotechnology Track. Students taking this course will assist in teaching BIO 306 or BIO 321 or design and perform their own research project. Six hours of laboratory per week. Enrollment in this course is limited to students in the Biotechnology Track. Prerequisites: Satisfactory completion of BIO 306, 307 and 321.

472. CELL BIOLOGY – 3 hours
Study of cell structure and function. Topics covered will include: cell signaling, cellular transport, cytoskeletal architecture, cell structure and biosynthesis of organelles, and cell cycle and differentiation. Strongly recommended for students in pre-professional programs. Prerequisites: BIO 460.

478. SPECIAL TOPICS IN BIOLOGY II - 1-3 hours
A special course category for contemporary topics in the general field of the biological sciences. Students should consult the schedule to ascertain what topics are currently being presented, and are encouraged to recommend to the department chairperson any topic of interest to them.

479. SPECIAL PROBLEMS- 1-3 hours.
Directed individual work with various members of the faculty. This may be offered at any time and students must work under the guidance of a faculty member. Students must have the approval of a faculty member and department chairperson.

480. BIOLOGY CAPSTONE COURSE -1 hour
Seminar topics involve different areas in Biology. Every attempt will be made to match seminar topics with each student's area of specialization. Enrollment in this course is limited to seniors majoring in B.S. Biology degree program in Microbiology Track, Graduate School Track and Pre-Professional Track. . However, seniors majoring in B.S. Biology degree program in Biotechnology Track, General Biology Track, as well as seniors majoring in A.B. Biology degree program may take this course upon approval by the student's program coordinator. Prerequisites: Senior Biology major and approval of the program coordinator.

482. BIOLOGY EDUCATION CAPSTONE – 1 hour
Critical analysis seminar course focused on current issues in biology education. Enrollment in this course is limited to seniors majoring in the B.A. Biology (9-Adult) degree program. Prerequisites: Senior standing in the program.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

BUSINESS INFORMATION SYSTEMS (BIS)

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Business Information Systems. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

340. COMPUTER PROGRAMMING & LOGIC - 4 hours
Initial course in programming. Topics include disciplined approach to problem-solving, structural program design, and algorithm design using a modern programming language. Prerequisite: CIS 271.

360. INTRODUCTION TO COBOL - 3 hours
An introductory COBOL programming course. Topics include basic file-processing, I/O operations, comparisons, control breaks, arrays, tables, etc. Prerequisite: BIS 340.

361. ADVANCED COBOL - 3 hours
Application of COBOL programming techniques to business information systems. Advanced programming techniques include sequential file maintenance, interactive ISA, update, sort merge, subprograms, etc. Prerequisite: BIS 360.

364. CONTEMPORARY PROGRAMMING LANGUAGES - 3 hours
Disciplined approach to problem-solving and structured program design utilizing modern programming languages. Prerequisite: BIS 340.

366. DATA COMMUNICATIONS - 3 hours
Data communications examines the broad and fast-changing field of information communication, including voice, data, image and video. Both principles and applications are covered as well as the technical and managerial aspects of data communications. Prerequisite: CIS 271.

371. ADVANCED VISUAL BASIC - 3 hours
Application of additional Visual Programming techniques applied to business information systems. Students will design and develop interactive applications, creating and manipulating sequential and random access files, database tables, and arrays while designing graphical user interfaces. Prerequisite: BIS 340.

372. DATA BASE MANAGEMENT SYSTEMS - 3 hours
A study of Data Base Management Systems with "Hands on" experience. The student will investigate the analysis, design, implementation and maintenance of a modern Data Base Management System. Prerequisite: CIS 271.

450. SYSTEMS ANALYSIS AND DEVELOPMENT - 3 hours
Analyzing, planning, and administering the decision-making function relating to information flows; design installation, direction maintenance and control of total management information systems. Prerequisite: BIS 340.

460. MANAGEMENT INFORMATION SYSTEMS - 3 hours
The analysis and design of management information systems: the integrating of data processing in the regular operation of business organizations and its impact on management, ethics, and decision making. Prerequisite: CIS 271.

461. OPERATING SYSTEMS - 3 hours
Introduction to the concepts, structures, mechanisms and principles of contemporary operating systems. The course covers fundamental technology as well as contemporary design issues. Prerequisite: BIS 340.

463. DECISION SUPPORT SYSTEMS - 3 hours
An analysis of the highest level of information support systems, with practical applications, which aid the manager in the decision-making process. Prerequisite: CIS 271.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Business Information Systems. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson and college dean.

480. MIS REPORTING TECHNIQUES - 3 hours
Basics of designing management data reporting including design, record selection, report grouping, sorting and formatting. The challenge of this course is how to present, manage, and use data for efficient business management. Prerequisite: BIS 372

481. WEB DEVELOPMENT - 3 hours
This course is designed to present principles, methods and techniques for the planning, design and development of World Wide Web sites. Students will be introduced to Hyper Text Markup Language (HTML), Dynamic HTML, Extensible Markup Language (XML) and scripting languages such as Java Script and VB Script. Interactive Web services such as Active Server Pages and Java Server Pages will also be explored. Prerequisite: BIS 340.

482. NETWORKING/HARDWARE HANDS-ON - 3 hours
Students will acquire skills in network setup and configuration techniques utilizing several operating systems; program routers and gateways; setup firewall hardware and software; configure wired and wireless hubs; and wiring patch panels. Students will also become familiar with routine PC and network maintenance and diagnostic procedures. Prerequisite: BIS 366.

483. STRUCTURED QUERY LANGUAGE/SQL - 3 hours
This course gives students the skills necessary to use Structured Query Language (SQL) to query and update data contained in a database, to create reports using SQL, and to embed SQL commands in programming languages. Prerequisite: BIS 372.

484. OPERATIONS RESEARCH/STATISTICAL ANALYSIS - 3 hours
The study of mathematical models, operations research and solution techniques for the development of high level technical reports used in the business decision-making process. Prerequisite: BIS 340.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

CHEMISTRY (CHEM)

100. FOUNDATIONS OF CHEMISTRY - 3 hours
Three lectures per week; a general chemistry survey course designed to meet the needs of students in Dental Hygiene and Nursing; includes a review of fundamental concepts, the atomic theory and chemical bonding, states of matter, solutions, ionization theories, organic chemistry, and fundamental biochemistry. Prerequisite: High school algebra or equivalent. Minimum Math ACT score of 19 (or comparable SAT score) or passing of the ASSET test or successful completion of MATH 046.

101. FOUNDATIONS OF CHEMISTRY LABORATORY - 1 hour
One two-hour session per week. Must be taken in conjunction with CHEM 100. Minimum Math ACT score of 19 (or comparable SAT score) or passing of the ASSET test or successful completion of MATH 046.

110. GENERAL CHEMISTRY I - 3 hours
Three lectures per week, the fundamentals of chemical theory. Prerequisite: high school algebra or college algebra. Co-requisite: CHEM 111. Minimum Math ACT score of 19 (or comparable SAT score) or passing of the ASSET test or successful completion of MATH 046.

111. GENERAL CHEMISTRY LABORATORY I - 1 hour
One three hour session per week. Metric system, S.I. units, stoichiometry, gases, liquids, solids, solution concentration' molecular mass, thermochemistry, qualitative and quantitative analysis.

Must be taken concurrently with CHEM 110. Minimum Math ACT score of 19 (or comparable SAT score) or passing of the ASSET test or successful completion of MATH 046.

112. GENERAL CHEMISTRY II - 3 hours
Three lectures per week; a continuation of CHEM 110; with emphasis on descriptive chemistry. Prerequisite: CHEM 110.

113. GENERAL CHEMISTRY LABORATORY II - 1 hour
One three hour session per week, a continuation of CHEM 111. Kinetics, equilibrium, acid-base, voltaic cells, redox, radio-activity, qualitative and quantitative analysis. Prerequisite: CHEM 111. Co-requisite: CHEM 112.

278. SPECIAL TOPICS IN CHEMISTRY - 1-3 hours
A special course category for contemporary topics in the general field of the chemical and related sciences. Students should consult the schedule to ascertain what topics are currently being presented, and are further encouraged to recommend topical items to the department chairperson.

320. ANALYTICAL CHEMISTRY - 3 hours
Two lectures and one problem session per week; Theory of Electrochemical, Spectrophotometric and other Quantitative Methods of Analysis. Prerequisites: CHEM 112 and 113, MATH 145 or equivalent. Co-requisite: CHEM 321.

321. ANALYTICAL CHEMISTRY LABORATORY - 1 hour
One three-hour session per week. Quantitative determination of samples using electrochemical, spectrophotometric and other methods. Prerequisite: CHEM 113. Co-requisite: CHEM 320.

322. INTERPRETATION OF SPECTRA - 1 hour
An introduction to the interpretation of ultraviolet, infrared, visible, nuclear magnetic, two dimensional NMR and mass spectra. Prerequisite: CHEM 342.

335. ENVIRONMENTAL CHEMISTRY - 3 hours
Introduction to the field of environmental chemistry. Concepts from atmospheric and aquatic chemistry as it is applied to the environment such as photochemistry, global warming, ozone depletion, carbon cycle, equilibrium principles, acids and bases, complexation and dissolution, and electron transfer processes. Current topics in environmental issues and analytical methods will be discussed. Prerequisite: CHEM 320 and CHEM 340.

336. ENVIRONMENTAL CHEMISTRY LABORATORY - 1 hour
An introduction to sampling and measurement techniques used to characterize the environment. Electrochemical, spectroscopic, and chromatographic techniques will be used with both laboratory investigations. Prerequisites: CHEM 341. Co-requisite: CHEM 335.

337. GREEN CHEMISTRY - 3 hours
This course covers the most significant emerging field in modern chemistry, namely, Green chemistry, the field which focuses upon the reinvention of chemistry such that pollution can be avoided. It will introduce students to the 12 guiding principles of green chemistry. Students will evaluate the effect of chemicals and chemical production on human health. Topics covered in detail will include real world cases. Prerequisites: CHEM 340, 342.

340. ORGANIC CHEMISTRY I - 3 hours
Three one-hour lectures per week; a study of the various classes of organic compounds, with emphasis on the hydrocarbons, their methods of preparations, and their reactions, factors influencing physical properties and chemical reactivity, free radicals electrophilic addition and electrophilic substitution. Prerequisite: CHEM 112.

341. ORGANIC CHEMISTRY LABORATORY I - 1 hour
One three-hour session per week; laboratory practice with emphasis on basic laboratory techniques and synthesis. Prerequisite: CHEM 113. Co-requisite: CHEM 340.

342. ORGANIC CHEMISTRY II - 3 hours
Three lectures per week, a continuation of CHEM 340 with emphasis on oxygen, nitrogen and halogen derivatives of carbon their methods of preparation and their reactions; topics also include reaction mechanisms. Prerequisite: CHEM 340.

343. ORGANIC CHEMISTRY LABORATORY II - 1 hour
One three-hour session per week; a continuation of CHEM 341, with emphasis on syntheses of various functional groups. The nature of organic experiments will require students to perform laboratory work outside the allotted laboratory time during their independent projects. Prerequisite: CHEM 341. Co-requisite: CHEM 342.

350. PRINCIPLES OF ORGANIC CHEMISTRY - 3 hours
Three lectures per week. A study of the basic classes of organic compounds, with emphasis on their methods of preparation and their physical and chemical properties. Prerequisite: CHEM 112. May be offered upon student request: consult with department chairperson.

351. PRINCIPLES OF ORGANIC CHEMISTRY LABORATORY - 1 hour
One three-hour session per week, laboratory practice with emphasis on basic techniques, as well as some synthesis. Prerequisite: CHEM 113. Co-requisite: CHEM 350. May be offered upon student request: consult with department chairperson.

352. PRINCIPLES OF BIOCHEMISTRY - 3 hours
Three lectures per week. A study of the properties of proteins, carbohydrates, lipids, nucleic acids and enzymes and the metabolism of carbohydrates, with some attention to the metabolism of fatty acids and amino acids. Prerequisite: CHEM 342 or 350. May be offered upon student request: consult with department chairperson.

353. PRINCIPLES OF BIOCHEMISTRY LABORATORY - 1 hour
One three-hour laboratory session per week; laboratory practice with emphasis on the study of the properties of carbohydrates, lipids, proteins and enzymes. Prerequisite: CHEM 343 or 351. Co-requisite: CHEM 352. May be offered upon student request: consult with department chairperson.

358. MEDICINAL CHEMISTRY – 1 hour
Biochemical study of drug discovery, drug metabolism and receptor interactions as related to pharmaceuticals. The course will require a written report and oral presentation of a topic in medicinal chemistry. Prerequisite: CHEM 342.

360. PRINCIPLES OF PHYSICAL CHEMISTRY - 3 hours
Three lectures per week, the study of the fundamental laws of chemistry including thermodynamics, equilibria, electrochemistry, reaction kinetics states of matter. Credit not applicable to Chemistry Major. Prerequisites: CHEM 112, 320; MATH 145; PHYS 101, 102.

361. PHYSICAL CHEMISTRY LABORATORY - 1 hour
One three-hour session per week, includes laboratory experience in the various fields of Physical Chemistry, including viscosity, surface tension thermodynamics, equilibria, kinetics, calorimetry, and cryoscopic properties of solutions. Prerequisite: CHEM 113. Co-requisite: CHEM 360.

400. INORGANIC CHEMISTRY - 3 hours
Three lectures per week, concepts and chemical systems of inorganic chemistry, periodic table, atomic and molecular structures, coordination bonding and compounds, solid states. Prerequisites: CHEM 112, 113.

410. ENVIRONMENTAL TOXICOLOGY - 3 hours
Concepts and principles of environmental toxicology. Chemical structure activity relationships; their interaction with environment. Basic principles; the predicted and observed fate of chemicals in various components of the biosphere. Hazard evaluation; fate and effects of chemicals in soil, plants, wildlife, aquatic organisms, and humans. Prerequisites: CHEM 335, 336, 340, 342, and BIO 200, 202.

420. INSTRUMENTAL ANALYSIS - 3 hours
Three one-hour lectures per week. Modem instrumental methods of chemical analysis. Teaches theory behind the instrument, principles of operation, interpretation of data obtained, and limitations of spectrophotometric, chromatographic and electrochemical methods. Co-requisite CHEM 421. Prerequisite CHEM 340 and CHEM 341.

421. INSTRUMENTAL ANALYSIS LABORATORY - 1 hour
One three-hour lab per week. The use of chemistal instrumentation to analyze samples involving spectrophotometric, chromatographic and electrochemical methods. Co-requisite CHEM 420. Prerequisite CHEM 321.

422. ADVANCED INSTRUMENTAL ANALYSIS - 2 hours
Two one-hour lectures per week. A study of advanced spectrophotometric, chromatographic and electrochemical methods not covered in Instrumental Analysis. Co-requisite CHEM 423 Prerequisite CHEM 420 and CHEM 421.

423. ADVANCED INSTRUMENTAL ANALYSIS LABORATORY - 1 hour
One three-hour lab per week. A study of advanced instrumentation as applied to spectrophotometric, chromatographic and electrochemical methods not covered in Instrumental Analysis. Co-requisite CHEM 422 Prerequisite CHEM 420 and CHEM 421.

440. ADVANCED ORGANIC CHEMISTRY - 3 hours
Three lectures per week; selected topics in organic chemistry with emphasis on mechanisms of organic reactions. Prerequisite: CHEM 342.

442. ORGANIC QUALITATIVE ANALYSIS - 3 hours
Two lectures and two three-hour laboratory sessions per week; separation and identification of organic compounds based on functional group reactions; elemental analysis; solubility classifications; spectroscopic method; preparation of derivatives. Prerequisite: CHEM 342.

464. PHYSICAL CHEMISTRY I - 4 hours
Three lectures and one problem session per week; a mathematical presentation of the laws of chemistry. Prerequisites: PHYS 102; and MATH 210. Co-requisites: CHEM 465, and MATH 211.

465. PHYSICAL CHEMISTRY LABORATORY I - 1 hour
One three-hour session per week. Co-requisite: CHEM 464. Prerequisite: CHEM 113.

466. PHYSICAL CHEMISTRY II - 4 hours
Three lectures and one problem session per week. A continuation of CHEM 464. Prerequisite: CHEM 464. Co-requisite: CHEM 467.

467. PHYSICAL CHEMISTRY LABORATORY II - 1 hour
One three-hour session per week. A continuation of CHEM 465. Prerequisite: CHEM 465. Co-requisite: CHEM 466.

478. SPECIAL TOPICS IN CHEMISTRY - 1-3 hours
A special course category for contemporary topics in the general field of the chemical and related sciences. Students should consult the schedule to ascertain what topics are currently being presented, and are further encouraged to recommend topical items to the department chairperson. Offered on request.

479. SPECIAL PROBLEMS - INDEPENDENT RESEARCH STUDIES - 1-3 hours
Independent laboratory research to familiarize the superior student with the techniques of scientific research and development. Each student will present, for approval, a prospectus on the research or problem to be conducted prior to the actual investigation. Permission of the department chairperson.

480. BIOCHEMISTRY I - 3 hours
Three lectures per week; chemistry of carbohydrates, lipids, nucleic acids, and proteins; emphasis on size, shape, and conformation of proteins; enzymes and biocatalysis; intermediary metabolism; metabolic energy relationships; chemistry of vitamins and hormones. Prerequisites: CHEM 342. CHEM 360 or 464/466 highly recommended.

481. BIOCHEMISTRY I LABORATORY - 1 hour
One three-hour laboratory period per week (certain experiments may extend beyond three hours). To be taken in conjunction with CHEM 480.

482. BIOCHEMISTRY II - 3 hours
Three lectures per week. A continuation of Biochemistry I. Prerequisites: CHEM 480, 481. Co-requisite: CHEM 483.

483. BIOCHEMISTRY II LABORATORY - 1 hour
One three-hour session per week. (Certain experiments may extend beyond three hours). Prerequisites: CHEM 480, 481. Co-requisite: CHEM 482.

485. CHEMISTRY CAPSTONE - 1 hour
A one credit hour course that emphasizes an integrated lab approach of assessing a student's knowledge of chemistry through experimentation, scientific presentation and scientific writing assignments. Open to senior chemistry majors in the BS in chemistry with or without a minor tracks. Prerequisite: Senior chemistry major and approval of program faculty advisor.

486. CHEMISTRY EDUCATION (9-ADULT) CAPSTONE - 1 hour
Laboratory research-based project involving the improvement and / or modification of a secondary level laboratory. The student will choose an advisor from the chemistry faculty, present a written proposal for the changes to be made to the lab, conduct lab research on their topic, maintain an up-to-date lab notebook, present a final written report and or oral defense of their research. Prerequisite: Senior chemistry education major and approval of course faculty advisor.

487. ENVIRONMENTAL SCIENCES CAPSTONE – 1 hour
Problem based course designed to integrate chemistry and biological sciences as related to environmental science. Written and oral presentation will be completed by students on a given research theme pertinent to environmental sciences. Prerequisites: Senior Chemistry majors in Environmental Sciences Track and approval of program coordinator.

488. BIOCHEMISTRY CAPSTONE – 1 hour
A problem based learning experience involving biochemical methods and theory. The course will consist of investigation of a biochemical problem, written report and oral presentation. Prerequisites: Senior Chemistry majors in the Biochemistry Track, and permission of program director.

COLLEGE EXPERIENCE

101. FIRST YEAR EXPERIENCE - 2 hours
An introductory course to provide incoming freshmen with the knowledge and skills to succeed academically, socially, emotionally and economically. Topics include, but are not limited to, the following: time management, critical thinking, study skills, residence life, wellness, student safety, college history, money issues, and tips for academic success.

102. CAREER DECISION MAKING AND LIFE PLANNING - 1 hour
This course explores the career decision making process and familiarizes the student with this concept as a life-long process. Primarily for freshman and sophomore students.

302. CAREER PLANNING AND PLACEMENT - 1 hour
This course is designed to introduce students to the fundamentals of planning and organizing job search strategies. Emphasis is placed on the development of job search credentials.

COMMUNICATIONS (COM)

101. FUNDAMENTALS OF ORAL COMMUNICATIONS - 3 hours
A practical course in interpersonal communication including elementary phases of oral language training, short speeches, articulation, and pronunciation. Emphasis is on effective communication. A minimum grade of "C" is required for graduation.

201. SURVEY OF COMMUNICATION – 3 hours
An introduction to the foundational principles that create the communication studies discipline. This course will survey theory and practice in the following areas: intrapersonal, interpersonal, public, group, mass, organizational, and mediated communication. This course will also examine the professional communicative field and related technologies.

203. ARGUMENTATION AND DEBATE - 3 hours
Principles of argumentation evidence, reasoning, and their application to debating. Prerequisite: COM 101.

211. MASS COMMUNICATION MEDIA - 3 hours
An introduction to the components and social functions of the mass media.

221. HISTORY AND SURVEY OF BROADCASTING - 3 hours
An introduction to the broadcasting field including its history, structure and occupations.

223. RADIO PRODUCTION - 4 hours
An introductory course in radio production covering station requirements, programming, pre-production, control board operation, and air presentation. In addition, course includes extensive practical lab work requiring students to be on the air at the college radio station.

224. TELEVISION PRODUCTION I - 4 hours
An introduction to the theoretical and practical aspects of television production that includes a basic knowledge of the operating principles of various equipment used in professional television production. In addition, course includes extensive practical lab work requiring students to write, produce, and direct multi-camera television productions.

225. TELEVISION FIELD PRODUCTION - 3 hours
Lectures and exercises designed to introduce the student to the principles on single cameral ENG/EFP production. Topics covered include: writing, producing, lighting and editing techniques. The course requires substantial time in the editing lab.

226. REMOTE BROADCAST PRODUCTION - 3 hours
An introductory-level course that focuses on remote broadcast production techniques. The student will learn basic format creation, editing, audio techniques, and video and lighting techniques.

227. VISUAL LITERACY - 3 hours
Students develop a critical understanding of the nature of visual messages and how meaning is derived from images and/or words. Students decode interpret, question, challenge and evaluate visual communications in advertising, cinema, editorial cartoons, digital images, graphics, new media and video.

228. STORY FINDING - 3 hours
Search for concepts and stories, and optimal point of view into those worlds/characters. The course covers tailoring subject matter to different outlets and beginning to understand documentary interviewing. The course will pay close attention to West Virginia subject matter and stories. Prerequisite: COM 324.

231. NEWS WRITING AND REPORTING - 3 hours
An intensive study and practice in writing and rewriting news stories from the simple to the complex. The course includes evaluation of news-gathering methods, discussions and exercises in writing leads, organizing sources, and avoiding libel. Emphasis is placed on the style and structure of news stories for the print media.

232. BROADCAST NEWS WRITING - 3 hours
Introduction to the basics of writing for radio and television. Practical and technological knowledge is gained in the laboratory where students digitally compose and edit their stories on computers using the most current word-processing programs.

233. HISTORY AND SURVEY OF JOURNALISM - 3 hours
A history of American journalism from pre-colonial newspapers and magazines to the multimedia age emphasizing recurring themes and issues.

301. INTERPERSONAL COMMUNICATION - 3 hours
Survey of the principles of communication in interpersonal relationships. Emphasis on diagnosing interpersonal communication breakdowns and developing communication skills. Prerequisite: COM 101.

302. ADVANCED PUBLIC SPEAKING – 3 hours
This course is designed to be an advanced study of public speaking and speech writing. Emphasis is placed on practical experience in regard to preparing, delivering, and evaluating public discourse. This is a performance-based course. Prerequisites: COM 101 and junior or senior standing.

306. GROUP COMMUNICATION - 3 hours
A study of principles and practices that govern group communication. This course is designed to provide the student with insight into how groups work, communications strategies within a group, group decision-making processes. In addition to examining a group communication theory, students will work within groups in order to gain practical (group) experience.

307. STORY STRUCTURE/ STORYTELLING - 3 hours
Story Structure/ Storytelling- Students will learn to identify the significant events that shape the structure of a story or documentary film, devise a narrative arc, pacing and editing stories for documentary film. Prerequisites: COM 201, COM 324.

308. SIZZLE REEL - 3 hours
Students will learn how to get permission from documentary subjects, secure rights and securing intellectual property. Emphasis will be placed creating, editing a 3 to 5 minute sizzle reel and debuting their sizzle reel for an audience. Prerequisites: DMD 203, COM 307.

309. BUSINESS OF DOCUMENTARY FILM - 3 hours
Business of Documentary Film - Students will learn the pitch process, what it takes to be "good in a room," hook, attributes, etc. Students will be required to actually do real-world pitches. How to approach networks, apply for grants, strike broadcast "deal", etc. will be discussed. Prerequisite: COM 307.

310. ADVERTISING COMMUNICATIONS - 3 hours
A course designed to introduce theories and practical applications of media advertising. The historical and modern strategies of advertising in the media, including newspapers, magazines, radio, and television are also explored. Prerequisite: COM 310.

311. MASS MEDIA AND SOCIETY - 3 hours
The effects of media agents upon society and their place in modern communications.

312. MEDIA SALES - 3 hours
The study of media sales methods. Emphasis will be placed on the various types of media campaigns and the selling process.

313. ORGANIZATIONAL COMMUNICATION – 3 hours
Investigation of information flow in organizations with an emphasis on communication and identification of communication problems

314. PERSUASION - 3 hours
Introduction to the understanding, practice, and analysis of persuasion. Behavioral and rhetorical theories of persuasion will be examined and applied.

321. TELEVISION PRODUCTION II - 3 hours
A production course in which students work on all phases of single and multiple video production. Students will direct scripted, semi-scripted, and segmented shows in the campus television studio as well as write, direct, and edit single-camera video works. Prerequisite: COM 224.

322. WRITING FOR RADIO AND TELEVISION - 3 hours
Theory and practical writing experience for the various forms of radio and television including news, sports, commercials, documentary and educational programming.

323. INTRODUCTION TO THE CINEMA - 3 hours
The study of the process of film making, isolating and exploring the aesthetic elements that motivate and inspire this process. Emphasis is on the relationship between the techniques of film making and their creative application.

324. DOCUMENTARY FILM - 3 hours
A chronological study of the history of documentary film with an emphasis placed on the in-depth understanding of theory and philosophy behind different styles within the genre.

325. TELEVISION STUDIO NEWS DIRECTING AND PRODUCTION I - 3 hours
An advanced survey course in the techniques and disciplines required for the production of a live television news broadcast. Students write stories, tape and edit video news packages, and design and produce electronic graphics used to convey visual and written material. In addition, each student fills either an on-air or a production job during the weekly, live cable broadcast. Prerequisite: COM 224 or COM 225.

326. ADVANCED REMOTE PRODUCTION - 3 hours
An advanced course that focuses on television and radio remote production. The student will learn advanced television and radio engineering, producing and directing techniques that take place outside of the studio. It will also include a large emphasis on format creation, editing, audio techniques and video and lighting techniques.

329. ON-CAMPUS INTERNSHIP IN TELEVISION OR RADIO - 2 hours
Students will be given specific responsibilities on the campus radio or television station. Prerequisites: COM 223 or COM 224 or COM 225.

331. PHOTOJOURNALISM - 3 hours
Basic principles and practices of photojournalism for all areas of the print media. Student shoots, develops, and prints a wide variety of black and white photographs, as assigned, for publications. Student must own, or have use of, a 35mm, interchangeable lens, single lens reflex camera for this course. Prerequisite: Art 285.

332. FEATURE WRITING - 3 hours
Advanced study in writing and marketing feature articles for newspapers and magazines. Instruction in subject research, interviewing techniques, preparation of manuscripts and marketing techniques. Also includes examination of new journalism style and techniques. Prerequisites: COM 231, 232.

333. EDITORIAL WRITING - 3 hours
The theory and practice of writing all types of editorials. In addition to writing editorials, attention also will be given to evaluating a wide range of editorials and to examining the overall makeup of the editorial page.

334. EDITING FOR MEDIA - 3 hours
An intensive review of grammar followed by exercises in revising and rewriting stories for the print media and scripts for the electronic media. The emphasis in this course is in training communication students to grasp and practice the proper use of the English language as it applies to writing for print and/or broadcast. Prerequisite: COM 231.

337. SPORTS REPORTING - 3 hours
Sports Reporting is a comprehensive approach to learning the fundamentals of producing good sports copy. The course emphasizes reportorial writing, gathering of information, accuracy, and interview techniques, as well as columns, stats and photography. This class will help you to become a better thinker and a wiser, more critical consumer of the media in general and sports reporting in particular. The class is fast paced and topical with hands-on learning. Some work will be published either in *The Trumpet* or on WLTV. Prerequisite: COM 231.

338. INVESTIGATIVE JOURNALISM - 3 hours
Investigative Journalism will explore the watchdog role of journalists in American society. A crucial duty of journalists is to serve the public interest by acting as a watchdog on government, business, education, health, environment, safety and other institutions. That duty is particularly important where agencies and institutions restrict the flow of information. The tradition of investigative reporters, who uncover facts and write articles that expose waste, wrong-doing, mismanagement, fraud, conflict of interest and abuse of authority, and promote change and reform, has a long and proud history that stands alongside more conventional journalistic practices. In this course, we will examine the tradition by learning the reporting techniques that allow stories to be told and by understanding the societal factors that shape their content and impact. Prerequisite: COM 231.

359. WRITING FOR WEB / SOCIAL MEDIA - 3 hours
Writing for the Web & Social Media examines how users read on the web, how authors should write their web pages, and, accordingly, how to design rich, appropriate content for web sites. This course offers practical experience in the novice and intermediate use of (X)HTML, HTML editors, graphics, and presentation software. Students will also learn Style Sheets in constructing web sites. By analyzing how on-line communities organize, use, and distribute knowledge and information, the course will evaluate and build web sites that communicate simply and effectively. Students will also explore the role social media play in journalism today, both as source and as product. Prerequisite: COM 231.

361. SPORTS ANNOUNCING - 3 hours
Students will learn to apply the basic skills and knowledge required for sports announcing for radio and television. Coordinated coverage of live sporting events, sports announcing, and technical production problems will each be examined and utilized in pre-recorded and live-to-tape television broadcast. Off-campus production opportunities may be required. Prerequisites: COM 201, DMD 204.

362. AUDIO PRODUCTION - 3 hours
This class looks at the techniques for live sports television and radio and entertainment events. Includes microphone choice and placement, IFB, and mixing techniques. Labs include actual on site broadcasts of sporting events and other laboratory activities for this course. Prerequisite: DMD 204.

364. REMOTE PRE-PRODUCTION - 3 hours
This lecture/laboratory will allow students to plan for all areas of remote sports television pre-production. This class will meet 48-hours prior to scheduled sporting events produced by WLTV. Students will be required to discuss, itemize, create and pre-produce game-specific television production elements. Elements and content to be pre-produced include in-game (on-air) graphics and video roll-in packages, which will support the live event. This content will be created during laboratory group meeting time. Students will work together as a production team to research timely story lines, discuss the “production value” of the content and how the content will be “best presented” to the viewer with the talent, producer, director, associate producer, associate director, re-play tech and others on the production team. Prerequisites: COM 201, COM 225.

339. ON CAMPUS INTERNSHIP IN JOURNALISM - 2 hours
A supervised observation-experience program on campus in which students will be given specific practical responsibilities and duties concerned with the preparation of publications. Prerequisites: COM 231 and 232.

401. COMMUNICATION THEORY - 3 hours
The study of various communication theories as they apply to individuals and the larger society.

402. COMMUNICATION RESEARCH-3 hours
Introduction to advanced study of research areas with an emphasis on communication research method and reporting. The course will cover experimental design, survey research, textual analysis and ethnography. Prerequisites: COM 201, COM 401.

403. PRE AND POST PRODUCTION DOCUMENTARY FILM - 3 hours
Detailed study of the technical requirements, and the business requirements involved in the making of documentary films. The roles of the director of photography, director, audio engineer, film editor and producer will be explored. Students will work on a documentary film project. Prerequisite: COM 307.

404. DEBUT AND BROADCAST - 3 hours
Debut and Broadcast- Understand and practice the skill of collaboration with networks, TV stations, promoters, film fest admin, etc. Learn how to support and market a project in print and online. Prerequisite: COM 307.

405. INTERNSHIP IN DOCUMENTARY FILM - 3 hours
Internship in Documentary Film- A supervised observation- work experience in a documentary film project. Prerequisite: COM 307.

406. DOCUMENTARY FILM SENIOR PROJECT - 3 hours
Fourth year requirement for Documentary Film students that do not take COM 405. The development of a comprehensive film project to completed form. The student will assemble completed works into a professional portfolio package for use in an interviewing situation. Prerequisites: COM 307 and taken in senior year.

410. COMMUNICATIONS LAW AND ETHICS - 4 hours
A detailed study of law and ethics as they apply to mass communication. Students will study situational and theoretical models to determine where and how these often-complimentary ideals intersect and sometimes contradict each other and will come to understand the fundamentals of legal and ethical reasoning. Strong writing and analytical skills are expected. Prerequisite: COM 401.

411. MASS COMMUNICATION LAW - 3 hours
A detailed study of mass communication law as it relates to the First Amendment. Emphasis on libel, privacy, and privilege laws. Course includes both the study of theory and specific cases in mass communication law. Prerequisites: COM 231.

412. MEDIA ETHICS - 3 hours
The study of ethical decision-making as it applies to the media.

413. PUBLIC RELATIONS - 3 hours
Study of current public relations practices and the dissemination of public information. Directed individual work in all phases of public relations through the preparation and editing of news releases, features, photographs, practical promotional information and programs for both internal and external use. Prerequisite: COM 231 .

414. ADVERTISING CREATIVES - 3 hours
Creative elements of advertising, copywriting, layout and design, and advertising messages. The psychology of the creative process and the relationship of creativity to the development of ideas and messages in major advertising campaigns are also explored. Prerequisite: COM 310.

415. PUBLIC RELATIONS WRITING - 3 hours
Development of professional-level writing skills for beginning public relations practitioners. Written communication approaches for particular audiences and publics in traditional and digital media. Prerequisite: COM 413 or permission of instructor.

416. PUBLIC RELATIONS CASES AND CAMPAIGNS - 3 hours
Public Relations Campaigns, with special attention to case studies dealing with various public relations issues and crises. The class culminates with students developing PR campaigns. Prerequisite: COM 415 or permission of the instructor.

417. ADVERTISING CAMPAIGNS CAPSTONE - 3 hours
Students focus on SWOT analysis (strengths, weaknesses, opportunities and threats) while developing a viable advertising campaign for a client; development of advertising materials; present, write and defend complex, strategic decisions in media planning, selection, and placement of advertisements. Prerequisites: COM 310 and 414.

418. BROADCAST PERFORMANCE - 3 hours
Basic functions of on-air announcing for television and radio. Emphasis on oral interpretation, teleprompter delivery, news and sports reads and off-script reads.

420. 3D ANIMATION AND GRAPHICS - 3 hours
A hands-on study in the techniques and production methods used to create high-end animated and 3D television graphics. Students work with Lightwave 3D software, Personal SFC software, and the Video Toaster hardware in order to create still frame 3D graphics and real time full color animations rendered by signal frame editing to 3/4" video tape. Prerequisite: Communication Majors, Sophomore status.

421. TOPICS IN ADVANCED TELEVISION PRODUCTION - 2-4 hours
Upper level study of the theory behind different types of feature productions: documentary news, docu-drama, sitcom, etc. The class culminates with the production of a feature correlating to the style studied. Topics will change each semester offered. Prerequisites: COM 224 or 225 and permission of instructor. May be repeated once if topics differ.

422. NON-LINEAR EDITING - 3 hours
Non-linear editing is an advanced video editing course making use of a professional computer editing system using footage acquired on a digital format. The course concentrates on process videos, original music videos and short features for state student film festival release. Prerequisite: COM 225.

423. PROFESSIONAL INTERNSHIP IN SPORTS BROADCASTING - 3 hours
A supervised observation- work experience in a professional sports broadcasting setting. Prerequisites: COM 225, COM 226.

424. ADVANCE REMOTE PRODUCTION FOR SPORTING EVENTS - 3 hours
Topics: Show and event preparation; development of show content, pre-building of content graphics, highlights and event game day formats. Students will learn how to manage a live or tape delayed televised sports broadcast. Work with talent and other production team members. Prerequisite: COM 364.

425. TELEVISION STUDIO NEWS DIRECTING AND PRODUCTION II - 3 hours
A continuation of the techniques, disciplines, and live cable broadcast experience studied in COM 325. The student may not fill the same on-air production job or write for the same segment as in COM 325.

426. MULTIMEDIA AND SOCIAL NETWORKING - 3 hours
A principles, theories, techniques and application intensive course introducing basic social media advertising and public relations principles. The course culminates in a social media campaign using strategies, tactics and the execution of (planning and placement) advertising and public relations efforts.

428. PROFESSIONAL INTERNSHIP IN RADIO - 3-6 hours
A supervised observation-work experience in an off-campus radio station. Prerequisites: COM 223 or COM 224 or COM 225 or COM 329.

429. PROFESSIONAL INTERNSHIP IN TELEVISION - 3-6 hours
A supervised observation-work experience in an off-campus television station. Prerequisites: COM 223 or 224 or 225 or COM 329. Senior standing.

432. ADVANCED NEWS PHOTOGRAPHY - 3 hours
Study of advanced techniques in News Photography with emphasis on directed individual work in all phases of photojournalism. Students must own, or have use of, a 35mm single lens reflex camera and flash component for this course. Prerequisite: COM 331.

434. DESKTOP PUBLISHING - 3 hours
Individual work in computer production and preparation of text and graphics for newspapers, magazines, brochures, booklets, catalogs, flyers, and other printed pieces. Involves writing, editing, photography, typesetting, typography, basic layout, design, and reproduction using the computer. Prerequisites: previous experience with word processing.

439. PROFESSIONAL INTERNSHIP: JOURNALISM - 3 hours
A supervised observation-experience program in which the student is assigned to an area of his specialization—be it a weekly or daily newspaper, magazine, advertising.

440. PROFESSIONAL INTERNSHIP: PUBLIC RELATIONS - 3 hours
A supervised observation/experience program in which the student is assigned to an area of his/her specialization in an advertising or public relations agency.

450. ADVANCED PUBLIC SPEAKING – 3 hours
This course is designed to be an advanced study of public speaking and speech writing. Emphasis is placed on practical experience in regard to preparing, delivering, and evaluating public discourse. This will be a performance-based course. Prerequisite: COM 101 and junior or senior standing.

477. GENRE WRITING - Maximum 3 hours in each area
Specialized writing courses: A. Broadcast, B. Copywriting, C. Criticism/Review, D. Freelance, E. Professional, F. Sports, G. Technical.

480. COMMUNICATION / SENIOR SEMINAR - 3 hours
The development, organization, revision, and presentation of major projects that demonstrate the competence within the discipline of Communication Studies. Prerequisites: COM 201, COM 401, COM 402.

481. JOURNALISM CAPSTONE / SENIOR SEMINAR - 3 hours
Independent research or special studies under the guidance of a faculty member to familiarize the superior student with the techniques of scientific research and development. Each student will present, for approval, a prospectus on the research or problem to be conducted prior to the actual investigation. At the conclusion of the investigation a formal paper will be presented in seminar or at a conference. Prerequisites: Senior class status and permission of the faculty member.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

COMMUNITY EDUCATION PROGRAM (CEP)

312. FUNDAMENTALS OF YOUTH MINISTRY - 3 hours
This course is an introductory study into the historical development of youth ministry with an emphasis on the theological foundations for ministry with young people. Students will explore practical application with which to articulate theoretical concepts within a ministerial and leadership role. This introduction will provide students

with a broad framework with which to develop a vision for youth ministry within one's own context, commitment, and belief.

322. FROM CHANTS TO CYMBALS - 3 hours
This course provides a survey of the history of worship music and how various faith communities express their beliefs through songs. Students will consider how worship music has changed throughout the centuries depending on culture and age. In particular, the course will study modern day America and how worship music reflects certain demographic and psychographic preferences. Various places of worship will be visited in order to apply the information learned in this class to the faith communities of our area.

333. YOUTH MINISTER AS COUNSELOR - 3 hours
Youth Ministry cannot merely be done on the macro-relationship level. Private needs and problems inevitably might surface and Youth Ministry quickly turns into youth counseling. Students in this course will be given tools that they can use to evaluate and understand the various problems presented to them. Various community resources to support children and adolescents in crisis will be explored and discussed. Special emphasis will be given on active listening and engagement in Youth Ministry settings.

353. CURRICULUM AND SERVICE LEARNING - 3 hours
This course will emphasize the importance of service-learning with which to enhance curriculum through involvement within the community. It will provide an in-depth study of the foundational principles of service-learning and its benefits across all disciplines. Students will gain an understanding of the role of mastering and enhancing subject material through a hands-on approach which accommodates various learning styles, promotes civic responsibility, and develops leadership skills.

363. DEALING WITH SKEPTICAL QUESTIONS - 3 hours
Students in this course will be challenged to deal thoughtfully and critically with common objections people have to faith in God. An overview of the most common objections to faith will be considered and answered. The class will contemplate how culture and community influence the kinds of objections people ask. Both the Epistemological and Classical approach to Apologetics will be utilized in answering these questions. Practical skills of listening and dialogue will be encouraged.

411. FORMAL AND NON-FORMAL EDUCATION MODELS - 3 hours
This course will give a broad overview of local, state, national, and international educational models in formal (schools, universities), as well a non-formal/community (museum, theatre) education. This course will be placed on (1) differences/similarities and advantages/disadvantages of the two educational approaches; (2) history of non-formal/community education and; (3) lifelong learning.

421. PROMOTING CREATIVITY AND ART - 3 hours
This course will highlight the importance of promoting creativity and the arts through the exploration of what creativity is, how the arts relate to it, and why both of them are essential in formal and non-formal education. Special attention will be given to (1) 21st century skills/the creative process; (2) using creativity and the arts to design interdisciplinary units/learning environments; and (3) increasing awareness about the arts, their place in our society/community, and their important contributions to various fields.

422. OUTDOOR LEARNING SPACES - 3 hours
Living in the virtual and technology driven age has its challenges. Outdoor experience, play, and learning appear to be rare for children (and adults). Outdoor activities and learning spaces are needed to encourage and support the development of a relationship between students and nature. In order to reach this goal, this course will focus on (1) providing local, state, national, and international examples for outdoor learning spaces and models, as well as site visits; (2) development of creative outdoor learning space designs and their possible implementation; and (3) important historical background information to understand the movement for new and creative outdoor learning spaces.

433. PROGRAM DESIGN AND IMPLEMENTATION - 3 hours
This course will provide a practical approach to understanding the components necessary to design and implement effective life-long learning programs for nonprofit organizations. The types of programs covered will include after-school programs, classes, special events, summer camps, and workshops. Students will gain practical experiences through the course assignments, lectures and readings. Class sessions will be a combination of instructor presentations and student discussions. Guest speakers will give a "real world" perspective to the discussion throughout the semester.

442. COMMUNITY EMPOWERMENT AND ENGAGEMENT - 3 hours
This course will provide students with theoretical tools and practical experiences in how to empower and engage community through design. The mutually beneficial connection of design and education as a vehicle for community empowerment and engagement will be modeled after a concept by Emily Pilloton and colleagues: (1) Design for education; (2) Redesigning education; (3) Design as education. Students will work on a community project to address real-life concerns through an application of these principles.

443. FUNDRAISING AND GRANT WRITING - 3 hours
This course will provide an introduction to fundraising for nonprofit organization. Sources and strategies for generating revenue will be covered including corporate, foundation, and government grants, annual giving, earned revenue and special events. Students will gain practical experience through the course assignments, lectures and readings. Class sessions will be a combination of instructor presentations and student discussions. Guest speakers will give a "real world" perspective to the discussions throughout the semester.

452. REGGIO EMILIA AND OTHER APPROACHES - 3 hours
The Reggio Emilia approach is based on the idea that children have many modes of expression and are speaking a "hundred languages of children." This course will provide students with an overview of the Reggio Emilia approach and how this arts-integrated/arts-based approach can be successfully transferred from classrooms to community learning environments and help skill and creativity development in participants. The focus on the community/ies and the teaching/learning approach through relationships will be stressed. This course will also discuss other international approaches and educators, for example: Waldorf Education, Forest Kindergarten, and Montessori.

463. RETHINKING 21ST CENTURY EDUCATION - 3 hours
This course is designed to help understand all the changes of the 21st century, the effect on education, and how they can be used for our advantage by adopting 21st century skills, interpersonal, communication, and global collaboration in community education. Living in the 21st century, we are surrounded by technology and constant change. The old educational paradigms no longer apply. Educators fulfill roles of facilitators, and formal learning spaces are taken over by non-formal, flexible, and creative ones. Designing new learning environments that support 21st century learning skills becomes a necessity.

473. COMMUNITY OUTREACH - 3 hours
This course is designed to give students a deeper insight and hands-on approach to their community education program of study. Out-of-classroom community fieldtrips and museum visits will take place. Community sites will be selected depending on the participating students' track studies. We will meet leaders of our local, national, and possibly even global community in museum education, community arts, outdoor education, sports, recreation and wellness, and youth ministry. Throughout the visits, students

will experience the organizational structure, leadership style, and program design of various organization.

482. PRACTICUM II (OFF-CAMPUS) - 3 hours
This course provides a practical off-campus experience for students associated with the tracks of Community Arts (theater, dance and movement, music and youth symphony, visual arts and exhibitions, and youth ministry) and Museum Education. The practicum will help student develop "real-life" competence in their chosen track. The class will consist of 60 hours of off-campus field experience that will assist students to work in an environment related to their career interest in order to learn applied skills, make workplace contacts, and apply classroom knowledge.

492. PRACTICUM I (ON-CAMPUS) - 3 hours
This course provides a practical on-campus experience for students associated with the tracks of Community Arts (theater, dance and movement, music and youth symphony, visual arts and exhibitions, and youth ministry) and Museum Education. The practicum will help student develop "real-life" competence in their chosen track. The class will consist of 60 hours of off-campus field experience that will assist students to work in an environment related to their career interest in order to learn applied skills, make workplace contacts, and apply classroom knowledge.

493. INTERNSHIP/INTERNATIONAL COMMUNITY EXPERIENCE - 3 hours
The internship/international community experience is designed to give students first-hand experience at a facility in the community in which students will put their newly acquired theoretical knowledge into practice. The institutions will be chosen depending on the students' track selection. Students will meet on a regular basis with their internship advisor who will also visit them at their internship site. The community internship can be replaced with an international community experience overseas. Students will not only experience community education first-hand, but also be exposed to a different country, diverse language, and distinct culture providing them with a broader and more global perspective of community education.

COMPUTER INFORMATION SYSTEMS (CIS)

270. INTRODUCTION TO COMPUTER SYSTEMS - 2 hour
A study of information and business in society, information technology systems, business information systems, and systems development.

271. PRACTICAL COMPUTER APPLICATIONS - 2 hours
This hands-on course introduces students to typical microcomputer applications including: operating systems, word processing, spreadsheets, and database management systems. *THIS COURSE IS AVAILABLE TO STUDENTS UNIVERSITY-WIDE.*

278. SPECIAL TOPICS-1 - 3 hours
A course category for selected topics in the general field of Computer Information Systems. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

471. ADVANCED COMPUTER APPLICATIONS – 3 hours
This hands-on course is designed to give senior students advanced practical problem-solving skills utilizing the latest in computer software. Topics include advanced word processing, advanced spreadsheets, presentation management, operating systems and Internet applications. Additional topics may be included based on current employer expectations. Prerequisites: CIS 271, Senior status.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Computer Information Systems. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

CREATIVE ARTS THERAPY (CAT)

200. INTRODUCTION TO CREATIVE ARTS THERAPY - 3 hours
Introduces students to the basic overall history, theory, and concepts of the art therapy and Art Therapy profession. Course content explores the different orientations of Art for therapy and art psychotherapy and approaches that comprise this discipline, including populations that are served. Art therapists who work within a wide range of settings are invited to present to the class to balance the theoretical with the practical.

300. DEVELOPMENTAL AND COMPARATIVE STAGES IN ART - 3 hours
This course covers the developmental stage of art therapy as seen in Viktor Lowenfeld Artistic Stages of Development comparatively to additional innovative Art Therapy Developmental Theorists as evidenced in the artwork of children and/or adults with of emotional, cognitive, medical, and behavioral difficulties. The artwork will be explored in context indicators of disturbance within the artwork, associative references and selection of media. Prerequisites: ART 104, 110, 215, CAT 200, EDUC 201, PSYCH 101, 341.

301. ART THERAPY STUDIO - 3 hours
Integration of art therapy, art, pathological, medical and psychological dynamics within a classroom experience, knowledge of psychological diagnosis, media and art therapy tasks; to include classroom presentation for evaluative purposes. Prerequisites: 210, 220, 260, CAT 300.

302. ART THERAPY STUDIO II - 3 hours
The emphasis in this course continues a subjective intrinsic experience in art-making, further integrating artistic knowledge while creating a definition between the interplay of the visual world between the art-maker and the creative arts as applied in practice based on more complex pathologies. The student will illuminate the development of different art processes as well as increased aware-

ness of their creative process in their psychological, cognitive, and emotional responses. It further examines the student insight of the symbologies found within art.

310. ART THERAPY ISSUES - 3 hours
This course explores and makes applicable the study of the manner in which psychoanalysis, philosophy, theory, and research interface with ethics in Art Therapy, its practice respecting the sensitivity to socio/multicultural diversity. Students will read current topics applying areas of assessment, treatment techniques, ethical and legal issues, research, and multicultural concerns in the knowledge for potential projects and critical discussion.

340. ART THERAPY LITERATURE AND SYMBOLISM - 3 hours
Multiple concepts of theoretical constructs are explored within the context of the symbolism, meaning, and the inter-subjective/artistic matrix found in Literature and the visual dialogue within the creative arts. A comprehensive overview of historical and present day topics in the media, literature, and film will be analyzed as a source of ethical development, pathological and theoretical insight.

400. ART THERAPY ETHICS, PSYCHOANALYSIS, PHILOSOPHY AND THEORY - 3 hours
The integration of psychoanalysis, philosophy, ethics and theory, interfaced in the arts in therapy. Case studies will be reviewed and discussed as assigned and as appropriate to the subject matter Prerequisite: CAT 301.

401. ART THERAPY RESEARCH - 3 hours
This course introduces art therapy students using scientific methods in art therapy, assisting students in the development of a competent evidence based practice. Research theories, philosophies, and methods will be discussed, reviewed and implemented into a research-oriented thesis. This will be presented with a panel of thesis advisors and presented at the end of the semester as a thesis defense at the Senior Research Thesis Defense. Co-requisite: 402 Senior Research Thesis; Prerequisites: CAT 400, PSYCH 301.

402. SENIOR RESEARCH THESIS - 3 hours
The research oriented thesis will be presented with a panel of two (2) to three (3) thesis advisors and presented at the end of the semester as a thesis defense at the Senior Research Thesis Defense. Co-requisite: CAT 401; Prerequisite: CAT 400.

403. ART THERAPY INTERNSHIP AND OBSERVATION - 3 hours
This course provides an enhancement of observational skills within a nine week clinical placement/observation. This clinical observation anticipates the culmination in a supervisory reflective setting with the designated supervisor integrating theoretical and applied learning. Prerequisites: CAT 200, 310.

440. ART THERAPY ASSESSMENTS AND TECHNIQUES - 3 hours
This course provides an enhancement of observational skills within a nine-week clinical placement/observation. This clinical observation anticipates the culmination in a supervisory reflective setting with the designated supervisor integrating theoretical and applied learning. Prerequisites: CAT 200 and 403.

486. SENIOR PROJECT CAPSTONE - 3 hours
Culmination in the completion of Art Therapy Research, Internship and Gallery presentation of select artwork. Prerequisites: CAT 401 and CAT 402.

CRIMINAL JUSTICE (CJ)

152. INTRODUCTION TO CRIMINAL JUSTICE - 3 hours
A survey of the history, organization and function of the various components of the criminal justice system: police, courts and corrections

236. CRIMINOLOGY - 3 hours
Study of the major theories of criminal behavior, patterns of crime and strategies for social control. Includes a focus on public perceptions and responses to deviant behavior.

238. JUVENILE DELINQUENCY AND JUVENILE JUSTICE - 3 hours
Explores the problems of Juvenile Delinquency and the Juvenile Justice System in American society. Concepts of delinquency causation and control are discussed in an historical as well as modern perspective. The interrelationship of delinquency and family, school, society and culture are explored as well as problems with gangs and substance abuse.

278. SPECIAL TOPICS – 1-3 hours
Selected topics at the lower division course level. Students should check schedule for topics currently offered.

281. CONTEMPORARY CORRECTIONS - 3 hours
A study of the American correctional system. It includes a study of the history of corrections, philosophy of punishment and corrections, correctional institutions, programs and services as well as contemporary issues and problems facing corrections.

302. ETHICS IN CRIMINAL JUSTICE - 3 hours
An examination of the ethical quandaries and moral dilemmas that face criminal justice practitioners. A critical review of ethical standards used to define appropriate conduct by criminal justice officials.

303. CRIMINAL LAW - 3 hours
Overview of the objectives of criminal law; general criminal laws in the United States and various states as these have been interpreted by the courts.

304. COMMUNITY CORRECTIONS - 3 hours
Theory and practice of corrections in a variety of community settings (including probation/parole, half-way houses).

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Courses CJ 311 through 316 are not normally taught at WLU as a part of the regular WLU curriculum. These six courses are taught at state police cadet academies, training academies for local policemen, and at state correctional academies. These courses are officially recognized for transfer credit toward WLU's B.S. degree in Criminal Justice. Students must be currently employed in the fields of law enforcement and/or corrections and must submit a portfolio with supporting proof of academy graduation to the Department Chair for evaluation.

311. POLICE RECORDS AND WRITTEN REPORTS - 3 hours
The student will be able to comprehend why police records are maintained and why police reports are necessary. The student will demonstrate his/her ability to research a particular subject, and write a report in a thorough, proficient manner.

312. POLICE/COMMUNITY RELATIONS - 3 hours
The student will learn concepts of police and community relations and the need to establish good working relationships between the police departments and the general public. It will also offer an understanding of the complex factors of prejudice and discrimination and the interaction of a changing society.

313. PATROL OPERATIONS AND PROCEDURES - 3 hours
The student will have a basic understanding in the use and care of department vehicles. He/she will be thoroughly versed in the art of defensive driving. The student will be made aware of different techniques for patrol. He/she will further be trained in the proper procedures for stopping violators and be made aware of the importance in regard to patrol operations. The student will be aware of the various traffic laws, what constitutes a violation, the elements of those violations, and the evidence necessary to attain a conviction.

314. INTRO TO CRIMINALISTICS - 3 hours
The student will be able to recognize and lift latent fingerprints, determine the broad classifications, and take fingerprints of individuals. The student will also be able to operate the department camera and will know the proper procedure for submitting film. The student will also be thoroughly trained in the operation of the intoxilyzer and other chemical tests for intoxication. The student will be well-versed in the proper procedure for submitting evidence for analysis.

315. FIREARMS TRAINING AND CERTIFICATION - 3 hours
To enable each student to accurately fire a service revolver in a safe and responsible manner, and to properly perform preventative maintenance. Each student will demonstrate his/her ability to fire a minimum of 75% on the combat pistol course. Each student will also become familiar with the AR-15, riot shotgun, and the 30-30 rifle. Each student will demonstrate his/her ability to make the proper decision to shoot or not to shoot through a computer-assisted (ROBEC) simulator of circumstances a police officer may face during his/her career.

316. TRAFFIC ADMINISTRATION AND ENFORCEMENT - 3 hours
The student will be able to properly gather the physical evidence at the scene of an accident. He/she will be able to reconstruct the events leading to the accident, and he/she will be proficient in the preparation of an accident report. In addition, the student will learn the administrative duties of the Department of Motor Vehicles.

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325. PRIVATE SECURITY SYSTEMS - 3 hours
Practice of private security in areas of transportation, business, hotel/motel, campus, hospitals, casinos, housing developments, and industry. State law, case law and regulations for private investigators and security services. Preparation for security systems bid plan and process is developed.

352. MANAGEMENT AND SUPERVISION - 3 hours
Concentration on Civil Service law, police officer's bill of rights, Fair Labor Standards, civil rights and management by objectives. Staffing, deployment, and current supervision policy and procedures emphasized.

353. CORRECTIONAL ASSESSMENT, CASEWORK AND COUNSELING - 3 hours
This course is structured around understanding criminal behavior and its correlates, assessing the individual problems and needs of offenders, and using that understanding and knowledge to effectively counsel offenders.

354. DRUGS AND SOCIETY - 3 hours
Designed to deal with the use and abuse of drugs and alcohol, both legal and illegal. The etiology, social phenomena, psychological and physiological effects, and current modes of treatment within the criminal justice system.

356. COMMUNITY RESTORATIVE JUSTICE - 3 hours
Provides the basis for reconciling the interest of victims, offenders, and the community through common programs and supervision practices that meet mutual needs.

452. CRIMINAL PROCEDURE - 3 hours
This course traces the criminal process from arrest through trial. A study is made of balancing governmental and societal interests with an individual's rights in a free society. Prerequisites: ENG 101 and ENG 102.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Criminal Justice. Students should check the schedule to ascertain what topics are currently offered and are further encouraged to recommend topical items to departmental chairman. (Special topics may be repeated if the topic is different). Prerequisites: ENG 101 and ENG 102.

480. CONTEMPORARY LAW ENFORCEMENT - 3 hours
A hands-on class in which students examine and learn some of the techniques used in law enforcement. Some of the areas covered are: firearms, cuffing, restraints, baton use, searches as well as lethal and less lethal weapons and preparation of law enforcement reports. Prerequisites: ENG 101 and ENG 102.

482. CRIMINAL INVESTIGATION - 3 hours
Study of the services of the crime laboratory. Concentration on the crime scene, preservation and collection of evidence, as well as theoretical techniques of investigation. Prerequisites: ENG 101 and ENG 102.

483. FIELD PLACEMENT IN CRIMINAL JUSTICE - 6 hours
Students work in an agency setting for a total of 200 hours and attend a one-hour class on campus each week. Total of 216 hours. Work done at the agency is to help the student accomplish defined learning objectives developed jointly by the student, the placement coordinator, and the agency. The work done is supervised by an on-site supervisor and the faculty supervisor. Students verify activities by keeping a log throughout the semester. The standards for determining placement credit is one-credit hour per 40 hours of work and one additional hour in the classroom each week for 16 weeks. Prerequisite: Senior standing required.

485. SENIOR SEMINAR IN CRIMINAL JUSTICE- 3 hours
The capstone course of the criminal justice (CJ) program. Includes a comprehensive examination of technical core subjects and focuses on the student's preparation for entry-level employment in criminal justice. Should be taken during the student's final semester of coursework. Prerequisite: Senior standing required.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

DANCE (DAN)

100. DANCE APPRECIATION - 3 hours
This course will provide an introduction to aspects of dance as cultural, spiritual, and aesthetic expression, exploring origins and the related roles of the dancer, choreographer, and spectator. Historical and critical readings, video-illustrated lectures by the instructor and participation in dance experience during class time will acquaint the student with masterpieces of dance theater art and develop the student's responsiveness to dance.

150. MODERN DANCE I - 2 hours
Introduction to modern dance. Techniques and basic elements of modern dance. Designed for students with limited or no previous experience.

155. JAZZ I - 2 hours
Introduction to jazz dance. Techniques and basic elements of jazz dance. Designed for students with limited or no previous experience.

160. TAP I - 2 hours
Introduction to tap dance. Techniques and basic elements of tap dance. Designed for students with limited or no previous experience.

165. BALLET I - 2 hours
Study of basic ballet terminology, barre work, center floor exercises.

250. MODERN DANCE II - 2 hours
Further study and application of basic movement vocabulary, alignment, complex movement patterns, style and performance. Prerequisite: DAN 150.

255. JAZZ II - 2 hours
Further study of jazz dance technique. Prerequisite: DAN 155.

260. TAP II - 2 hours
Further study of tap dance technique. Prerequisite: DAN 160.

275. BALLET II - 2 hours
Further study of beginning ballet with emphasis on structural alignment, barre work and center floor exercises. Prerequisite: DAN 165.

300. DANCE HISTORY - 3 hours
A survey of the development of dance as concert art form, beginning with foundation of classical ballet through the early 20th century development of modern dance. Prerequisite: DAN 100.

400. PRINCIPLES OF CHOREOGRAPHY AND IMPROVISATION - 3 hours
Exploration of the creative process of choreographer; focusing on the tools of choreography beginning with improvisation and ending with complete pieces of dance. Prerequisite: Permission of instructor.

DENTAL HYGIENE (DH)

110. INTRODUCTION TO DENTAL HYGIENE - 1 hour
Through a series of lectures, students will be introduced to the profession of Dental Hygiene. Clinical and educational responsibilities of the dental hygienist as a member of a health team will be related to preventive oral health services. Career opportunities for the Registered Dental Hygienist will be discussed.

155. HEAD AND NECK ANATOMY - 2 hours
A study of the anatomy, physiology, and embryology of the head, neck and oral cavity.

156. TOOTH MORPHOLOGY - 2 hour
A study of the structures of the oral cavity, embryological development of the face, oral cavity and tooth development as well as the human dentitions including histology, anatomy, morphology and eruption.

185. CLINICAL DENTAL HYGIENE - 3 hours
This course provides the student with fundamental knowledge, concepts and competencies required for the practice of dental hygiene. Students are introduced to infection control methods, transmissible diseases, health promotion and disease prevention therapies and methods of assessment and data collection. Oral health products will be explored and researched for safety and efficacy.

186. CLINICAL DENTAL HYGIENE LAB - 2 hours
Two three-hour laboratory sessions weekly introduce the practice of dental hygiene, with emphasis on fundamental principles and dental terminology. Lectures and laboratory experience applied in a pre-clinic setting with manikins and student partners, will be devoted primarily to the use of instruments, and initial development of manual dexterity.

187. REVIEW OF CLINICAL DENTAL HYGIENE I SKILLS - 1 hour
One three-hour laboratory session weekly. Laboratory exercises designed to review and enhance the continued development of clinical skills required for advancement to Clinical Dental Hygiene II.

237. RADIOGRAPHY - 1 hour
Lectures will cover the nature and production of x-rays, hazards, interpretations of processed radiographs, and the fundamentals of digital radiography.

238. RADIOGRAPHY LAB - 1 hour
Practical laboratory experience in exposing x-ray films and digital sensors on manikins using bisecting and paralleling technique is covered. Student will experience darkroom processing of films manually and automatically. Infection control and handling of patient films will be discussed. Exposing and importing digital radiographs will be reviewed.

267. DENTAL MATERIALS - 1 hour
Lectures on the chemical and physical properties of dental materials employed in the restoration of natural teeth, replacement of lost teeth, prevention of dental disease, surgical/periodontal procedures and enhancement of dental aesthetics will be presented. Uses of various dental materials will be examined.

268. DENTAL MATERIALS LAB - 1 hour
Hands-on use and manipulation of various dental materials will be accomplished in this laboratory course. Materials used will be those employed in the restoration of natural teeth, replacement of lost teeth, prevention of dental disease, surgical/periodontal procedures and enhancement of dental aesthetics

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Dental Hygiene. Students should check the schedule to ascertain what topics are currently offered and are further encouraged to recommend topic items to the department chairperson.

285. CLINICAL DENTAL HYGIENE II - 2 hours
This course is an introduction to the study and care modifications of patients with special needs. Emphasis is placed on the development of a patient-centered comprehensive dental hygiene care plan and delivery of appropriate treatment. The recognition, evaluation and management of medical emergencies are emphasized. CPR certification is provided. Prerequisites: DH 185, DH 186.

286. CLINICAL DENTAL HYGIENE II LAB - 2 hours
This course provides students the opportunity to continue to develop and improve clinical skills as they progress from the pre-clinical phase of their education. Principles of assessment methods, treatment planning and patient care are implemented into the clinical setting. Clinic records, documentation and professional conduct are emphasized. Prerequisites: DH 185, DH 186.

287. REVIEW OF CLINICAL DENTAL HYGIENE II SKILLS - 1 hour
One four-hour clinic session weekly. Laboratory and clinical exercises designed to review and enhance the continued development of student competencies in the delivery of dental hygiene treatment procedures required for the advancement to Clinic Dental Hygiene III.

325. PERIODONTOLOGY - 2 hours
A study of the etiology and pathogenesis of periodontal disease. Emphasis will be placed on clinical identification, histopathology and the response of the periodontal tissues to treatment.

331. GENERAL AND ORAL PATHOLOGY - 3 hours
A study of the basic principles relating to pathologic processes, with emphasis on the diseases that manifest themselves in or on the head, face, neck and oral cavity and the effects of systemic disease on the oral cavity.

340. NUTRITION IN DENTISTRY - 1 hour
The course is designed to provide the dental hygiene student with current information regarding the science and practice of nutrition as it pertains to dentistry and overall health in general. Emphasis is placed on the role of diet and nutrition on oral health and the benefits of nutritional and dietary counseling in the prevention and management of dental/oral diseases. Prerequisite: BIO 330.

350. PHARMACOLOGY FOR THE DENTAL HYGIENIST - 2 hours
This course is an introduction to the physical, chemical and pharmaceutical properties of drugs with emphasis relative to the treatment of the dental patient.

360. COMMUNITY DENTAL HEALTH I - 3 hours
Course designed to aid the dental hygiene student in defining and implementing their role as a dental health educator in the community. Emphasis will be on methods, materials, and resources used to promote better dental health through school and community services. Instruction will include the role and scope of federal, state, and local governments in health care delivery.

365. ETHICS, JURISPRUDENCE AND DENTISTRY - 1 hour
A course designed to help the dental hygiene student understand how to practice within the law. Course will review ethical values and legal issues and their ramifications within the scope of dental hygiene practice. Students will investigate dental practice acts of various states. Students will also examine issues of multicultural diversity and the ethical and legal treatment of peoples of various cultures, religions, ethnicities, and lifestyles.

370. COMMUNITY DENTAL HEALTH II - 2 hours
This course includes lectures and field experience in dental offices, schools, handicapped and geriatric facilities to give the student an opportunity to observe dental treatment techniques, patient care and office management procedures; to participate in community dental health activities including dental health education and screening programs. Prerequisite: DH 360

380. CLINICAL DENTAL HYGIENE III - 2 hours
Classroom lectures and demonstrations are integrated to enhance the continued student competency development of dental hygiene skills. Principles for non-surgical periodontal therapy, and subgingival debridement techniques utilizing power scalers, chemotherapeutic agents and irrigation techniques are introduced. The chemically dependent patient and smoking cessation techniques are discussed. Prerequisites: DH 185, DH 186, DH 285, DH 286.

381. CLINICAL DENTAL HYGIENE III LABORATORY - 3 hours
Students meet for three, four-hour clinic/laboratory sessions weekly. Clinical and laboratory experience for the continued competency development of clinical dental hygiene skills is provided. Emphasis is placed on the implementation of a care plan developed with the individualized needs of the patient. Clinical competency in the techniques of ultrasonic scalers, oral irrigation, PSR and sealant application is required. Prerequisites: DH 185, DH 186, DH 285, DH 286.

382. REVIEW OF CLINICAL DENTAL HYGIENE III SKILLS - 1 hour
One four-hour clinical session weekly. Clinical exercises designed to review and enhance the continued development of student competencies in the delivery of dental hygiene treatment procedures required for the advancement to Clinical Dental Hygiene IV.

385. CLINICAL DENTAL HYGIENE IV - 3 hours
Lectures and group discussions focus on the transitions to practice, including preventive maintenance systems, alternative career options, interviewing techniques, board exam preparation and technology in dentistry. Issues relating to oral maxillofacial surgery, cleft lip/palate and child abuse are discussed. Prerequisites: DH 185, DH 186, DH 285, DH 286, DH 380, DH 381.

386. CLINICAL DENTAL HYGIENE IV LAB - 3 hours
Students meet for three, four-hour clinic/laboratory sessions weekly. This course continues to correlate all phases of clinical dental hygiene procedures for patient oral health assessment, planning, treatment and evaluation. Emphasis is on total patient care using critical thinking skills and problem-solving strategies. Principles of self-evaluation and quality assurance are addressed. Prerequisites: DH 185, DH 186, DH 285, DH 286, DH 380, DH 381.

387. REVIEW OF CLINICAL DENTAL HYGIENE IV SKILLS - 1 hour
One four-hour clinic session weekly. Clinical exercises designed to review and enhance the continued development of student competencies in the delivery of advanced dental hygiene treatment required to meet the examination standards for licensure.

390. APPLIED CONCEPTS IN CLINICAL DENTAL HYGIENE – 2 hours
Course content and exercises are designed to provide competency building experiences that integrate basic Dental Hygiene curriculum directly to clinical practice. The study of clinical case situations will facilitate the application of knowledge from basic science content to substantiate decisions and select techniques in patient care.

400. INTRAORAL PHOTOGRAPHY - 1 hour
Intraoral photography will introduce equipment and techniques through lectures and laboratory/clinical experiences. Proper uses, handling and care of equipment including infection control will be covered. A basic intraoral photo series will be taken during lab/clinical learning sessions. Prerequisite: DH 185 and DH 186.

440. DENTAL LITERATURE REVIEW - 1 hour
Course content and exercises are designed to introduce the dental hygiene student to current scientific literature in the field of dentistry and dental hygiene. Emphasis is on reviewing and evaluation of the current literature to instill lifelong learning and adaptation to future changes in the field of dentistry.

450. SENIOR RESEARCH IN DENTAL HYGIENE EDUCATION - 2 hours
The course is designed to expose the senior dental hygiene student to research methodology, design and its application to the dental hygiene profession. Emphasis is placed upon the major steps of the research process including analysis and critique of research literature. Prerequisites: DH 185, DH 186, DH 285, DH 286.

455. CLINICAL PRACTICE I - 2 hours
Series of lectures and clinic exercises designed to provide the R.D.H. pursuing a Bachelor of Science Degree opportunities to develop skills in clinical instruction, supervision, and evaluation. Course material and activities will prepare the degree student to assume the faculty position of clinical instructor in a hygiene program. Prerequisite: R.D.H. Licensure.

456. CLINICAL PRACTICE II - 2 hour
Continuation of DH 455, Clinical Practice I. Emphasis is placed on the continued development of clinical supervision and evaluation skills. Prerequisites: DH 455 and R.D.H. Licensure.

460. PAIN MANAGEMENT - 1 hour
This course is designed to enhance the dental hygiene student's knowledge of the mechanisms of pain, the control of dental pain through the administration of topical anesthetics, infiltration and block anesthesia and monitoring nitrous oxide sedation. Emphasis will be placed on the pharmacology of dental drugs, systemic complication, infection control techniques, and record keeping. Techniques for the administration of local anesthesia under the direct supervision of a dentist will be practiced in the laboratory setting. Prerequisite: DH 350.

465. RURAL PRACTICE DENTAL HYGIENE PRECEPTORSHIP – 3 hours
An elective course for dental hygiene majors scheduled during the summer between the first and second year or immediately following completion of the Associate Degree. Students participate as members of a total health care team in treating patients and in development and implementation of community health policy in the WV Rural Health Education Partnership experience for a three-week period under the direct supervision of a preceptor dentist. Prerequisite: Approval by program director prior to enrollment.

466. PRACTICE MANAGEMENT FOR THE DENTAL TEAM - 2 hours
This course will introduce the role of effective business practices within the dental office setting for the dental hygienist. An overview of dentistry as a business will be presented and include topics of discussion to include business office systems, management skills and technology.

478. SPECIAL TOPICS - 1-3 hours
A special course category for selected topics in Dental Hygiene. Students should consult the schedule to ascertain what topics are currently being presented, and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Student will pursue a special area of interest, supervised by an instructor. Course will be developed to suit individual needs of student. Permission of program director required.

DIGITAL MEDIA DESIGN (DMD)

101 INTRO TO DIGITAL MEDIA DESIGN - 3 hours
An introduction to the basic digital media design concepts including graphic design, photography, publishing, video, audio, animation, and business information systems.

201. SOPHOMORE PORTFOLIO - 1 hour
The development of an electronic portfolio designed to document work completed and discussion of future career paths. A minimum grade of "C" is required to progress in the program. Offered in the spring semester.

203. ADOBE VIDEO EDITING - 3 hours
Video editing in Adobe Premiere and Final Cut Pro. The course concentrates on editing for documentary film, music video and short features. Prerequisite: COM 201.

204. RADIO PRODUCTION - 3 hours
An introductory course in radio production covering station requirements, programming, pre-production, control board operation, and air presentation. In addition, course includes extensive practical lab work requiring students to be on the air at the college radio station.

475. PROFESSIONAL INTERNSHIP: DIGITAL MEDIA DESIGN - 3 hours
A supervised observation/experience program in which the student is assigned to an area of his/her specialization in digital media design.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Digital Media Design. Students should check the schedule to ascertain what topics are being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of the instructor, department chairperson, and college dean.

490. SENIOR PROJECT - 4 hours
The development of a comprehensive digital media design project from concept to completed form in an internship setting. A minimum grade of "C" is required for graduation.

ECONOMICS (ECON)

100. INTRODUCTION TO POLITICAL ECONOMY - 3 hours
A policy oriented survey of the economy of the United States. Economic Theory is used only to the extent necessary to provide an understanding of the fundamental economic relationships in a real world setting. Not open to business, comprehensive social studies or any other major requiring Principles of Economics 101 and 102.

101. PRINCIPLES OF MACROECONOMICS - 3 hours
An introduction to economics in general and macroeconomics in particular. Topics include: demand and supply analysis; national income accounting; the determination of gross domestic product, unemployment and inflation; fiscal and monetary policy; international trade and finance; and money creation and the banking system.

102. PRINCIPLES OF MICROECONOMICS - 3 hours
An introduction to economics in general and microeconomics in particular. Topics include: demand and supply analysis; consumer behavior; price and output determination of the firm and industry under a variety of market conditions; and government intervention and regulation.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Economics. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

300. MONEY AND BANKING - 3 hours
Principles underlying money and the monetary system of the United States; the history of banking and the organization and opera-

tion of the various types of banking institutions; Federal Reserve System and its policies. Prerequisites: ECON 101 and 102. Fall semester, odd-numbered years.

303. MANAGERIAL ECONOMICS - 3 hours
Economic analysis of the business firm and its environment; emphasizing market structure, demand functions, production possibilities and cost factors.

305. INTERMEDIATE MICROECONOMICS - 3 hours
A development of the leading theories and analysis of value and distribution; problems and policies of price determination of both the firm and industry and factor pricing are presented at the intermediate level of analysis. Prerequisite: ECON 102. Fall semester, even-numbered years.

306. INTERMEDIATE MACROECONOMICS - 3 hours
An intermediate analysis of national income determination and basic monetary and fiscal policy. Prerequisite: ECON 101. Spring semester, odd-numbered years.

307. ECONOMIC HISTORY OF THE UNITED STATES - 3 hours
The westward movement; growth of industry; agriculture, commerce, banking, finance, transportation, trust movement, and labor. Special concentration in the economics of these areas. Prerequisite: ECON 101.

310. HISTORY OF ECONOMIC THOUGHT - 3 hours
How economic doctrines and analysis have emerged from the earliest times to the modern era. Prerequisites: ECON 101 or 102.

311. COMPARATIVE ECONOMIC SYSTEMS - 3 hours
The basic institutions of our American economic system and a comparison with the past and with other existing economic systems. Prerequisite: ECON 101.

312. HEALTH CARE ECONOMICS - 3 hours
Health economics is designed to introduce upper level health-care management students to the study of health care economics. The delivery and production of health care differ from the incentives in other consumer goods, and health-related markets constitute a unique topic for study as they contribute a growing portion of the nation's Gross Domestic Product. Topics include how health care differs from other consumer goods and services, its distinguishing features in the United States, health care reform, models of health care finance in other countries, and basic economic evaluation techniques used in this economic subfield. Prerequisite: ECON 101.

320. LABOR ECONOMICS - 3 hours
The nature and causes of the problems of the American wage earners and the efforts of society, through organizations and legislation, to solve these problems. Prerequisites: ECON 101 or 102; 305 suggested but not required.

400. MONETARY THEORY - 3 hours
Study of the theories of money and interest; and monetary and fiscal policy. Prerequisites: ECON 101 or 102.

407. PUBLIC FINANCE – 3 hours
Economic analysis of the sources of government revenue and their efficient allocation. Prerequisite: ECON 101 and 102. Fall semester, odd numbered years

409. INTERNATIONAL ECONOMICS - 3 hours
Evolution of the present international economy; the theory and empirical foundations of international trade and factor movements; the process of balance-of-payments adjustments; and the search for economic stability and growth through international cooperation. Prerequisites: ECON 101 or 102.

413. SOCIAL ECONOMICS - 3 hours
The application of relevant economic tools in the analysis of issues of current importance. Issues could include health care, education, pollution, discrimination, corporate welfare, public funding of athletic venues, global warming, and gun ownership. Prerequisites: ECON 101 or 102.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Economics. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

EDUCATION (EDUC)

100. INTRODUCTION TO PROFESSIONAL EDUCATION - 1 hour
This course is a combination of direct instruction, simulations, group discussions, and field experiences. It is used to acquaint prospective education students with the teaching profession and the "Teacher as a Catalyst" conceptual framework of the college's teacher education program. Minimum grade of "C" is required.

201. HUMAN DEVELOPMENT - 3 hours
Interdisciplinary study of life span and development from conception to death with application of principles and skills. Special emphasis on birth through early childhood, birth through middle childhood, birth through adolescence, birth through young adulthood, and life span. Minimum grade of "C" required.

207. FOUNDATIONS OF EDUCATION - 3 hours
An examination of the historical, cultural, philosophical, and sociological foundations of education as they apply to the characteristics of an effective school. Special emphasis is given to cultural pluralism in education. Minimum grade of "C" required.

209. FIELD PRACTICUM I - credit / no credit
In this course, teacher candidates will participate in activities in collaboration with the assigned classroom teacher. Particular attention will be given to identification and assessment of diversity within the school and classroom environment. Successful completion of this course is required for admission to the Teacher Education program. This course requires 15 hours of field participation in an approved school-based setting. Credit / no credit.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of education. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

290. COMPUTING AND INSTRUCTIONAL TECHNOLOGY - 3 hours
This course is designed to teach future teachers to use computers and other educational technology. Content includes selecting and using materials including Internet resources, designing multimedia presentations, digital imaging, web page authoring, electronic portfolios, personal productivity tools, videography, copyright issues, and the impact and interaction of ethical, societal, educational, and technological trends and issues. Prerequisites: Basic knowledge of use of computers. Letter grade of "C" or better required.

293. INSTRUCTIONAL DESIGN AND ASSESSMENT FOR MIDDLE/SECONDARY TEACHERS- 3 hours
A research-based course which focuses on adolescent development and psychology as related to teaching, learning, planning, and assessing in middle and high school classrooms. Thirty hour field placement in an approved school setting required. Letter grade of "C" is required. Prerequisites: EDUC 301, 340, READ 302, SPED 320.

301. EDUCATIONAL PSYCHOLOGY - 3 hours
A study of learners and the learning process, this course includes principles of learning theory and its application to the classroom. Prerequisites: Admission to Teacher Education. Minimum grade of "C" is required.

309. FIELD PRACTICUM II - credit / no credit
In this course, teacher candidates will implement content, pedagogy, and technology skills required of practicing classroom teachers. Students will participate in creating and implementing 21st century lessons with PK-12 students. This course requires 80 hours of field participation in an approved school-based setting. Credit / no credit. Co-requisites: EDUC 293, READ 302, SPED 320, EDUC 340.

315. MULTICULTURAL EDUCATION – 3 hours
Multicultural education is essentially designed to critically examine issues associated with diversity. This course will explore several issues, some of which are: race, ethnicity, gender, socioeconomic, nationality, bilingual education, teacher attitude and the interactions of these dynamics in school and society from a multiple perspective. Students will be encouraged to challenge the traditional culturally deprived paradigm theories and embrace the cultural difference paradigm and research that is committed to success for all children.

340. METHODS AND MATERIALS FOR SECONDARY EDUCATION - 2 hours
This course offers instruction in curriculum, methods, and materials for teaching adolescent and middle childhood students. It includes a field experience in an approved school setting. Prerequisites: Admission to Teacher Education, EDUC 301. Co-requisite: EDUC 293, 301, READ 302, SPED 320.

342. METHODS AND MATERIALS FOR SECONDARY EDUCATION LAB - 1 hour
This course offers instruction in content specific strategies and assessment for teaching adolescent and middle childhood students. It includes a field experience in an approved school setting. Prerequisites: Admission to Teacher Education, EDUC 301. Co-requisite: EDUC 340.

356. CURRICULUM AND METHODS IN SOCIAL SCIENCES - 3 hours
Curriculum, methods, and materials for teaching Social Studies to adolescent and middle childhood students. Includes a field experience in an approved setting. Prerequisites: Admission to Professional Education *(This includes passing all three PPST tests and achieving an overall G.P.A. of at least 2.50)*, EDUC 301. To be taken prior to the Professional semester. Minimum grade of "C" required.

362. CURRICULUM AND METHODS IN SCIENCE - 3 hours
Curriculum, methods, and materials for teaching science. Includes a field experience in an approved setting. Prerequisites: Admission to Professional Education *(This includes passing all three PPST tests and achieving an overall G.P.A. of at least 2.50)*, EDUC 301. To be taken prior to the Professional semester. Minimum grade of "C" required.

364. CURRICULUM AND METHODS IN MATHEMATICS - 3 hours
Curriculum, methods, and materials for teaching mathematics. Includes a field experience in an approved setting. Prerequisites: Admission to Professional Education *(This includes passing all three PPST tests and achieving an overall G.P.A. of at least 2.50)*, EDUC 301. To be taken prior to the Professional semester. Minimum grade of "C" required.

369. CURRICULUM AND METHODS IN PHYSICAL EDUCATION - 3 hours
Construction of curriculum based on characteristics and needs of students. Methods and techniques of teaching physical education grades K-4, 58, 912. Includes a field experience in an approved setting. Prerequisites: Admission to Professional Education *(This includes passing all three PPST tests and achieving an overall G.P.A. of at least 2.50)*, Junior standing and all activity classes. To be taken prior to the Professional semester. Minimum grade of "C" required.

373. CURRICULUM AND METHODS IN HEALTH - 3 hours
Curriculum, methods and materials for teaching health to Early Childhood, Middle Childhood and Adolescent students. Includes a field experience in an approved setting. Prerequisites: Admission to Professional Education *(This includes passing all three PPST tests and achieving an overall G.P.A. of at least 2.50)*, EDUC 301. To be taken prior to the Professional semester. Minimum grade of "C" required.

403. INSTRUCTIONAL MEDIA - 3 hours
This course incorporates communication theory with a study of the various media to acquaint future teachers with current and emerging media in education. It includes operating a variety of audiovisual machines producing teacher made visual materials and operating microcomputers. Minimum grade of "C" required.

409. SCHOOL LAW AND ORGANIZATION - 1 hour
A study of school law, school organization, and administration for public school teachers. Taken in the professional semester. Minimum grade of "C" is required. Prerequisite: Admission to Professional Semester. Required of all education majors.

460. SCIENCE METHODS AND MATERIALS FOR ELEMENTARY AND EED TEACHERS- 3 hours
A course for elementary and early education majors to be scheduled during the methods block. Will include content and clinical field experiences designed to develop pre-service teachers' instructional skills in the biological, earth and physical sciences so that, as elementary teachers, they can promote understanding and positive attitudes among students related to academic, personal, social, and career applications of the sciences. Prerequisites: EDUC 290, EDUC 301, READ 210, READ 312, admission to Professional Education. Grade of "C" or better required. This course must be taken concurrently with EDUC 461, EDUC 462, EDUC 463, READ 417, SPED 412.

461. MATH METHODS AND MATERIALS FOR ELEMENTARY AND EED TEACHERS- 3 hours
A course for elementary education majors to be scheduled during the methods block. Will include content, and clinical and field-based experiences related to the following: developing elementary students' abilities to communicate mathematically; structuring classroom activities which support students' mathematical reasoning abilities, develop numeration and number sense, explore geometry and spatial relationships, develop measurement and related concepts; use calculators and technology as teaching tools and use concrete manipulative materials; and developing elementary students' confidence in their own mathematical abilities. Prerequisites: EDUC 290, EDUC 301, READ 210, READ 312, admission to Professional Education. Minimum grade of "C" required. This course must be taken concurrently with EDUC 460, EDUC 462, EDUC 463, READ 417, SPED 412.

462. SOCIAL STUDIES METHODS AND MATERIALS FOR ELEMENTARY AND EED TEACHERS- 3 hours
A course for elementary education majors to be scheduled during the methods block. Will include content and clinical and field experiences to prepare teacher candidates to translate knowledge and data gathering processes from history and the social sciences into appropriate and meaningful social studies experiences for students. Prerequisites: EDUC 290, EDUC 301, READ 210, READ 312, admission to Professional Education. Minimum grade of "C" required. This course must be taken concurrently with EDUC 460, EDUC 461, EDUC 463, READ 417, SPED 412.

463. INSTRUCTIONAL DESIGN AND ASSESSMENT FOR ELEMENTARY TEACHERS- 2 hours
A research-based course which focuses on primary development and psychology as related to teaching, learning, planning, and assessing elementary classrooms. This course must be taken concurrently with EDUC 460, EDUC 461, EDUC 462, READ 417, SPED 412. Prerequisites: EDUC 290, EDUC 301, READ 210, READ 312, admission to Professional Education. Minimum grade of "C" required.

464. EDUCATIONAL ASSESSMENT – 2 hours
A professional semester course. This course requires students to have met all requirements for student teaching. This course provides students with experiences related to assessment, including: the selection of assessment methods appropriate to each discipline, and to the age, development, and characteristics of students; practice in the accurate and ethical interpretation and communication of assessment results; and the integration of information gained from assessments into instructional plans. Content will include both traditional and alternative assessment procedures, including performance-based assessment. Grade of "C" or better required.

470. PROFESSIONAL SEMESTER SEMINAR – 1 hour
A professional semester course; students must meet all student teaching requirements prior to enrollment. This course consists of a series of seminars of interest to pre-service teachers. Topics will include career development strategies, certification issues and current "hot topics" in education. Grade of "C" or better required.

477. CAREER EXPLORATION FOR PERSONAL DEVELOPMENT – 3 hours
An analysis of the diversity and complexity of career options available to youth with an emphasis on the development of desirable attitudes and salable skills necessary for entry occupations. May also be oriented toward self analysis with identification and understanding of interests, attitudes, occupational values, potential skills and their application in the future job market. Specifically directed toward elementary, secondary teachers and other youth workers.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of education. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual works under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

480. STUDENT TEACHING IN EARLY CHILDHOOD EDUCATION – 1-5 hours
The student teaching course. Prerequisites: Completed all published requirements for eligibility.

482. STUDENT TEACHING IN ADOLESCENT EDUCATION – 1-4 hours
The student teaching course. Prerequisites: Completed all published requirements for eligibility.

484. STUDENT TEACHING IN MIDDLE CHILDHOOD EDUCATION – 1-5 hours
The student teaching course. Prerequisites: Completed all published requirements for eligibility.

495. TEACHING WORKSHOP (Grades K-4, 59, and 9-Adult or K-4, and 5-9) – 1-6 hours
An activity course based upon the specific needs, interests, and problems of the participants. Open to experienced teachers and seniors who have completed student teaching.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

EDUCATION GRADUATE COURSES ARE LISTED UNDER *GRADUATE COURSE DESCRIPTIONS*.

Early Education (EED)

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Early Education. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

280. EARLY CHILDHOOD DEVELOPMENT - 3 hours
This specialized course provides students with the foundation in child development from pre-birth through age six (6) and prepares students in understanding the social/emotional, physical, language, and cognitive development of the young child. Emphasis is given to the emerging issues and trends in the field, the historical and multicultural perspective on childhood, and the evolution of the study of early childhood development. The focus is on research-based principles, developmentally appropriate practice as defined

by national professional organization principles and standards, best practice in early childhood education, and theories that have practical application for the developing early childhood professional. A letter grade of a "C" is required for this course.

301. EARLY CHILD CURRICULUM I – 3 hours
This course provides students with the knowledge and skills necessary to create a developmentally appropriate curriculum and high quality learning environments for young children, ages birth through age six (6). Students will participate in an in-depth study of learning standards and multiple influences of the early learning curriculum. An emphasis is placed upon early childhood research, best practice, and curriculum and standard alignment. Students will participate in field placement, and they will examine and apply information related to the following domains: language and literacy, physical health and development, the arts, mathematics, social studies, and science. Students will also study how emerging technologies can support curriculum development and instructional design. Field experience is required. A letter grade of "C" is required for this course.

330. EARLY EDUCATION CURRICULUM II - 3 hours
This course provides students with understanding the role of assessment in the early childhood classroom as it relates to designing and implementing developmentally appropriate programs and supporting and fostering the early childhood curriculum. Students will study, develop, and implement a range of assessment tools and approaches for gathering, documentling, interpreting, and analyzing results in early childhood education. There is a focus on classroom observations, the use of technology as an assessment tool, and examining methods for positively communicating with families, community, and other professionals when reporting assessment results. Emphasis is placed on developmental and differentiated assessment strategies for children birth through age six (6) including children with special needs. Field experience is required. A letter grade of "C" is required. Prerequisites: EED 280 and EED 301.

380. EARLY EDUCATION CURRICULUM III - 3 hours
This culminating course puts into practice the study of content standards and age appropriate practices involved in planning, implementing, and evaluating developmentally appropriate curriculum and assessment based on the needs and interests of young children. Students will obtain key instructional teaching strategies and techniques necessary to master early childhood classroom leadership skills. An emphasis is placed on curriculum planning and implementation and technology in early childhood settings. Students will participate in field placements in which they will facilitate child-centered learning activities, implement authentic assessment, and apply multicultural perspectives to the curriculum. Field experience is required. A letter grade of "C" is required. Prerequisites: EED 280 and EED 301.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of early education. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the early education faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

483. STUDENT TEACHING IN EARLY EDUCATION - 1-4 hours
Student teaching in level K. Prerequisites: Completed all published requirements for eligibility and EED 280, EED 301, EED 330, EED 380.

Special Education (SPED)

241. INTRODUCTION TO EXCEPTIONALITIES- 3 hours
A study of all recognized categories of exceptionalities emphasizing prevalence, etiology, prevention, syndromes, past and present attitudes toward exceptional individuals. Six hour diversity field placement required. Minimum grade of "C" required.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in general field of Special Education. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

320. COLLABORATIVE TECHNIQUES FOR STUDENTS WITH EXCEPTIONALITIES - 3 hours
This course focuses on methods of collaboration in the regular educational environment as related to planning, instruction, and assessing for students with special learning needs. Emphasis is given to functional behavior assessments, differentiated instruction, and content area reading with the use of curriculum-based materials. This course is taken by secondary education majors prior to the Professional Semester. Prerequisites: SPED 241; Corequisites: EDUC 293, 340, READ 302.

341. POLICIES AND PROCEDURES IN SPECIAL EDUCATION - 3 hours
This course provides an in-depth analysis of the historical foundations, legal instruments, and educational practices related to special education policies and procedures. Students will examine the historical trends and philosophical perspectives of special education and disability service policy; the development and implementation of Individual Education Plans and transition plans following current legal standards; the process of coordinating intervention and IEP meetings and supports; and collaboration of support staff and community and service personnel by the special education professional. Prerequisite: SPED 241.

343: ASSISTIVE AND ADAPTIVE TECHNOLOGY FOR STUDENTS WITH EXCEPTIONALITIES - 3 hours
This course will focus on unique technology needs for students with a variety of exceptionalities. Topics include techniques for evaluation, consultation, and implementation of assistive and adaptive technology; exploring current hardware and software; and collaboration techniques for implementing technology accommodations and modifications. Prerequisite: SPED 241.

345: OCCUPATIONAL AND RECREATIONAL TRAINING FOR HIGH INCIDENT DISABILITIES – 3 hours
Development of competency in instituting and maintaining transitional programs to assist individuals with high incident disabilities to move into the mainstream of society-sheltered workshop, competitive job market, post secondary education, and use of recreational facilities are emphasized. Includes a 24-hour field-based experience in an approved setting. Prerequisite: SPED 241. Minimum grade of "C" required.

348 CURRICULUM, METHODS, AND ASSESSMENT FOR STUDENTS WITH BEHAVIOR NEEDS – 3 hours
Assessment techniques, writing IEPs, choosing appropriate behavioral objectives in appropriate curricular areas are included. Construction of materials, test administration, behavioral interventions, and field experience are course components. Prerequisites: SPED 241, SPED 341. Minimum grade of "C" required.

351. PRESCHOOL DISABLED - 3 hours
Specifically designed for those who wish to work with very young children. Specific techniques will be implemented through lecture and field experience to develop proficiency. Prerequisites: SPED 241 and 341.

353. EDUCATION FOR THE GIFTED I - 3 hours
Characteristics, techniques, and knowledge are components of this course designed to assist the teacher to work effectively to meet the needs of the gifted learner in today's school. Innovative programs will be studied and field experiences will be used to develop competency in teaching the gifted and talented. Prerequisite: SPED 241.

354. AFFECTIVE COGNITIVE NEEDS OF THE GIFTED - 3 hours
This course will consist of an overview of definitions, philosophies, and the rationale for teaching thinking skills in gifted education. It is designed to apply theory and research about thinking to strategies for teaching thinking skills within the content areas. Creative, critical, deductive, and inductive thinking skills are just a few of the areas to be addressed. Pre-requisite: SPED 353.

355. CURRICULUM, METHODS AND ASSESSMENT FOR STUDENTS WITH ACADEMIC NEEDS – 3 hours
Classroom teaching strategies, curriculum design, and assessment techniques for students with exceptional academic needs. Emphasis is placed on the development of individualized educational plans and corresponding strategies and activities. SPED 241 and SPED 341. Minimum grade of "C" required.

377. RESEARCH AND PRACTICUM IN EXCEPTIONALITIES - 3 hours
A field based course designed for upper division students who wish to pursue additional skills, techniques, and knowledge through interaction with exceptional clients in various settings. Prerequisite: SPED 241.

391: CURRENT ISSUES AND TRENDS IN SPECIAL EDUCATION – 3 hours
This course supports student analysis and evaluation of current topics in special education. Students will examine current issues and budding research-based practices and analyze their current or potential impact on services to students with exceptionalities. Emphasis is placed on research and analysis skill, critical thinking, and argumentative writing and speech skills. Prerequisite: SPED 241.

401. AUTISM I: CHARACTERISTICS OF AUTISM – 3 hours
This course provides an overview of autism and autism spectrum disorder including etiology, characteristics, co-morbid disorders, biomedical perspectives, related behaviors, sensory processing disorder, screening instruments for autism and autism spectrum disorder, and social interventions.

402. AUTISM II: AUTISM ASSESSMENTS AND INTERVENTIONS – 3 hours
This course provides specific teaching strategies for teaching individuals with autism spectrum disorder with a particular emphasis on applied behavior analysis. Screening instruments and diagnostic assessments for individuals with autism and autism-related disorders including Asperger Syndrome will be examined. Additional topics include communication development, adaptive and augmented communication devices, and adapted equipment. 12 field hours in an approved school setting required.
Prerequisite: SPED 241, 348, 401.

412: COLLABORATIVE TECHNIQUES ELEMENTARY STUDENTS WITH EXCEPTIONALITIES – 3 hours
This course focuses on methods of collaboration in the regular educational environment as related to planning, instructing, and assessing for students with special learning needs. Emphasis is given to functional behavior assessments, differentiated instruction, and content area reading with the use of curriculum-based materials. Prerequisites: EDUC 290, EDUC 301, READ 210, READ 312, SPED 241. Admission to Professional Education. This course must be taken concurrently with EDUC 460, EDUC 461, EDUC 462, EDUC 463, READ 417.

440. TRANSITION SERVICES FOR STUDENTS WITH EXCEPTIONALITIES – 3 hours
Special educators and other related service professionals will engage with current issues in transition service delivery, evidenced based practices, and ethical and professional considerations for coordinating transition services in a variety of educational settings. Prerequisite: SPED 241.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of special education. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the special education faculty; may be offered at any time. Student requests require approval of instructor department chairperson, and school director.

481. STUDENT TEACHING IN SPECIAL EDUCATION – 1-4 hours
The student teaching course. Prerequisites: Completed all published requirements for eligibility which includes: SPED 241, 291, 341, 343, and 391.

Reading (READ)

210. CHILDREN'S LITERATURE - 3 hours
A study of representative literary works for young children and adolescents such as novels, short studies, folktales, fables, herotales, mythology, legends, modern fantasy, poetry, non-fiction, and picture books. Use of children's literature with scientifically-based reading instructional strategies is included.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Reading. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items the department chairperson.

302. READING FOR CONTENT AREA INSTRUCTION – 3 hours
A study of theories, resources, techniques, and materials for meeting the unique developmental, remedial, creative, and instructional reading needs of middle childhood and adolescent students within varied content area disciplines. Major areas of focus include vocabulary, comprehension, writing, and the use of scientifically-based reading instructional strategies. Requires admission to Professional Education. Co-requisites: EDUC 301, 293, 340, SPED 320.

312. DEVELOPMENTAL READING AND PHONICS - 3 hours
This course studies the scientifically-based research and teaching strategies pertaining to the five essential components of reading instruction: phonemic awareness, phonics, vocabulary, fluency, and comprehension. It includes teaching frameworks such as basal readers, the 4 Block model, and literature circles. It introduces common assessment strategies such as concepts of print tests, running records, and retellings and introduces differentiated instruction and the three tier model of Response to Intervention (RTI). It is designed for elementary and early education majors and presents a developmental and balanced view of classroom reading instruction. This course includes experiences working with children and developing classroom lessons and materials. Prerequisites: EDUC 207, 301.

412. LANGUAGE ARTS AND PRACTICUM FOR EARLY CHILDHOOD EDUCATION AND ELEMENTARY EDUCATION - 3 hours
Study of the methods and materials in teaching and evaluating the information and communication skills of listening, speaking, writing, viewing, reading, thinking, and visually representing. Emphasis will be placed on scientifically-based reading research and the 21st Century Learning Skills of information and media literacy, communication skills (oral, written, and multimedia skills), critical and systems thinking, problem solving, interpersonal and self-directing skills. Information, practice, and application strategies of information and communication technologies and assessment tools are integrated throughout the course. To be taken concurrently with SPED 412, EDUC 460, 461, 462, and 463. Prerequisites: READ 312, EDUC 207, and 301. Minimum grade of "C" required.

415. READING ASSESSMENT IN ELEMENTARY SCHOOLS - 1 or 2 hours
Study of various types of formal and informal assessment techniques, appropriate methods for collecting data, and ways to accurately interpret that data in order to construct a developmentally appropriate plan for each student. It includes using scientifically-based reading instruction along with the Response to Intervention (RTI) three tier model. To be taken the senior year during student teaching. Prerequisite: Eligibility for Professional Semester. Minimum grade of "C" required.

416. READING FOR CONTENT AREA INSTRUCTION - 2 hours
A study of theories, resources, techniques and materials for meeting the unique developmental, problematic; creative and instructional reading needs of middle childhood and adolescent students within varied content area disciplines. Taken concurrently with student teaching. Minimum grade of "C" required.

417. LANGUAGE ARTS METHODS AND MATERIALS FOR ELEMENTARY AND EED TEACHERS - 3 hours
Study of the methods and materials in teaching and evaluating the information and communication skills of listening, speaking, writing, viewing, reading, thinking, and visually representing. Will include scientifically-based reading research and the 21st Century Learning Skills of information and media literacy, communication skills (oral, written, and multimedia skills), critical and systems thinking, problem solving, interpersonal and self-directing skills. Information, practice, and application strategies of information and communication technologies and assessment tools are integrated throughout the course. Prerequisites: READ 312, EDUC 207 and 301 This course must be taken concurrently with EDUC 460, EDUC 461, EDUC 462, EDUC 463, SPED 412. Minimum grade of "C" required.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Reading. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the Reading faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and school director.

492. WORKSHOP IN READING (K-4 & 5-9 & 9-12) - 3 hours
Developmental and remedial problems in reading to be identified and solved by the group. Open to experienced teachers and students with Junior standing. Prerequisite: teaching experience of Junior standing.

ENGLISH (ENG)

075. DEVELOPMENTAL ENGLISH - 3 hours
Fundamentals of grammar, punctuation, and sentence structure; study of rhetorical structures and thought processes; repeated practice and experience in writing.

101. COLLEGE COMPOSITION I - 3 hours
English 101 focuses on the fundamentals of expository writing and emphasizes various rhetorical strategies, such as definition, comparison/contrast, and others. This course will also introduce proper quotation, paraphrase, and summary of sources, and will review basic grammatical and mechanical skills. A minimum grade of "C" is required for graduation.

102. COLLEGE COMPOSITION II - 3 hours
English 102 is a continuation of English 101 and emphasizes persuasion, argumentation, and researched writing. Students will undertake a researched writing project involving several process drafts, which conclude in a well-documented academic essay. A minimum grade of "C" is required for graduation. Prerequisite: "C" or better in College Composition 101.

200. INTRODUCTION TO LITERARY STUDY - 3 hours
This course provides instruction in the fundamentals of literary study. Designed with the needs of declared or prospective English majors and minors in mind, it emphasizes literary research, interpretation, and criticism. The course covers three or more literary genres, such as fiction, poetry, drama, nonfiction, or film, and will provide a basic introduction to concepts, terms, and practices commonly encountered in literary study. This course is a prerequisite for all English literature courses numbered above 300. Prequisite: ENG 101. Pre- or co-requisite: ENG 102.

202. LITERATURE APPRECIATION FOR NON-MAJORS - 3 hours
This course fosters the appreciation of literature through careful readings of poetry, drama, and prose fiction across a variety of periods and cultures. Prerequisite: ENG 102.

203. LITERATURE APPRECIATION FOR NON-MAJORS - 3 hours
This course fosters the appreciation of literature through careful readings of poetry, drama, and prose fiction across a variety of periods and cultures. Prerequisite: ENG 102.

204. BRITISH LITERATURE THROUGH THE 18TH CENTURY - 3 hours
Old English period through the eighteenth century; emphasis on types, movements, and major figures; attention given to the epic tradition, Renaissance and troubadour poetry, classical lyrics and satires, and drama.

205. AMERICAN LITERATURE BEFORE THE CIVIL WAR - 3 hours
American writers from Colonial days to 1860 with emphasis upon the Romantics, some reference to world influence.

214. BRITISH LITERATURE AFTER THE 18th CENTURY - 3 hours
A survey of English writers from the Romantic period through the twentieth century; emphasis on types, movements, and major figures.

215. AMERICAN LITERATURE AFTER THE CIVIL WAR - 3 hours
A survey of American literature from the Civil War to the present, focusing upon the rise of realism, naturalism, primitivism, and other intellectual, sociological, political and historic trends.

220. PRINCIPLES OF GRAPHIC NARRATIVE - 3 hours
Introduction to visual literacy and narrative theory underlying texts incorporating both illustration and text, with particular emphasis on comics and graphic novels.

221. HISTORY OF SEQUENTIAL ART - 3 hours
Historical overview of the development of narratives told through a series of pictures, from early times through the present, with particular emphasis on the development of graphic narratives or comics.

230. APPALACHIAN LITERATURE - 3 hours
A study of representative writers from the Appalachian region, with special emphasis on West Virginia.

261. APPROACHES TO TEACHING LITERATURE - 3 hours
Representative works of the major literary genres with an emphasis on forms and themes. Special attention to models of teaching literature with practical classroom experience. Prerequisite: ENG 101, ENG 102.

274. TECHNICAL WRITING - 3 hours
Expository writing about technical subjects, placing emphasis on writing formal and informal reports, resumes, letters, and description of materials and equipment; special attention to developing, drafting, and presenting government grants and foundation requests. Specific course projects are determined after consultation with directors of programs requiring technical writing skills. Prerequisites: ENG 101, ENG 102.

275. STRUCTURE OF ENGLISH - 3 hours
An intensive review of traditional grammar; an introduction to the fundamentals of transformational grammar. Prerequisites: ENG 101, ENG 102.

276. LINGUISTICS AND HISTORY OF ENGLISH - 3 hours
Introduction to the fundamentals of linguistics and the history of the English language. Prerequisites: ENG 101 and 102.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of English. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

301. LITERATURE OF THE HEBREW BIBLE - 3 hours
A study of the Old Testament through the history of Israel, the theological ideas and literary qualities found in the diverse books that constitute the Old Testament. (May be taken as REL 301.)

305. RENAISSANCE AND EARLY SEVENTEENTH CENTURY - 3 hours
Significant works of the 16th Century, exclusive of Shakespearean drama, by More, Sidney, Lyly, Kyd, and Marlowe. Also, a study of Milton and a survey of cavalier and metaphysical poets and prose works prior to the Restoration.

309. CHAUCER - 3 hours
An historical and critical study of Chaucer and of other poets and genres of his age, including the Pearl Poet, Langland, Malory, romance, fable, lyric, and drama.

310. NEW TESTAMENT LITERATURE - 3 hours
Roman and Jewish background; life, teachings, significance of Jesus in the gospels; faith of Paul in his letters; early church in Acts, Revelation, and various letters. (May be taken as REL 310.)

311. SHAKESPEARE - 3 hours
Principal histories, comedies, and tragedies. Attention to Shakespeare's literary art and to the Renaissance as background.

312. AMERICAN COLONIAL AND REVOLUTIONARY LITERATURE - 3 hours
A study of representative American literature from the first English colonies through the early Republic (1830). Prerequisite: ENG 102.

314. AMERICAN ROMANTIC LITERATURE - 3 hours
A study of representative American literature from 1830 through the end of the Civil War (1865). Prerequisite: ENG 102.

315. WOMEN AND MINORITY WRITERS - 3 hours
Works by women and minority authors, with emphasis on American writers, chiefly of the last hundred years; some references to world influences and to background works discussing the position of women and minorities. Prerequisites: ENG 101 and ENG 102.

316. AMERICAN REALISTIC AND NATURALISTIC LITERATURE - 3 hours
A study of representative American literature from 1865 through 1930. Prerequisite: ENG 102.

318. AMERICAN MODERN AND POSTMODERN LITERATURE - 3 hours
A study of representative American literature from 1930 through the present. Prerequisite: ENG 102.

320. YOUNG ADULT LITERATURE - 3 hours
Addresses specific reading strategies essential for a creative and instructional approach to meeting reading needs of middle school students; resources and techniques are used to explore, analyze, and evaluate a variety of young adult literature. Prerequisites: ENG 101 and ENG 102.

323. WRITING FOR COMICS - 3 hours
Creation of scripts to accompany illustrations in graphic narratives. Students will write and critique comic scripts in a number of genres, including superheroes, humor, realistic fiction, and nonfiction. Prerequisite: ENG 200.

354. ENGLISH NOVEL - 3 hours
English novel from Richardson to Virginia Woolf, emphasizing social and artistic values.

360. CREATIVE WRITING – POETRY - 3 hours
A process approach to writing poetry. Special attention given to traditional metrics, oriental forms, and free verse. Imagery, symbolism, and structure emphasized. Students discuss one another's poetry in class and prepare a manuscript as the semester project. Readings in modern and contemporary poets assigned. Prerequisites: ENG 101 and ENG 102.

361. CREATIVE WRITING – PROSE - 3 hours
A process approach to writing prose fiction. Special attention given to dialogues, narration, imaginative prose, and the short story. Point of view, characterization, tone, and style emphasized. Students discuss one another's prose in class and prepare a manuscript as a semester project. Readings in modern and contemporary fiction assigned. Prerequisites: ENG 101 and ENG 102.

385. ADVANCED COMPOSITION - 3 hours
Writing varied types of essays; practice in sentence analysis; reading about writing, with emphasis on prose style. Prerequisites: ENG 101 and ENG 102.

386. THE RESTORATION AND THE EIGHTEENTH CENTURY - 3 hours
A study of the world views of this epoch as they are revealed in the works of Pope, Swift, Johnson, Defoe, Addison, Steele, and others.

390. ROMANTIC PERIOD - 3 hours
A study of representative British literature from the Romantic Era, approximately 1790 to 1840.

391. VICTORIAN PERIOD - 3 hours
Prose and poetry of England from 1830 to 1900. Tennyson, Browning, Arnold, and Ruskin, with some attention to Carlyle, Morris, Newman, Mill, Meredith, Swinburne, the Rossettis, and minor end-of-the-century poets.

392. MODERN BRITISH LITERATURE - 3 hours
Prose and poetry of England from 1900 to the Second World War.

395. LITERARY CRITICISM - 3 hours
Principles underlying the literary judgments of critics from Aristotle to the present. Guided practice in the evaluation of literary works.

400. THEORY AND PRACTICE OF TEACHING COMPOSITION - 3 hours
A study of various strategies on the teaching of composition (grades 5-12), with emphasis on activities appropriate for various stages of the writing process (prewriting, writing, rewriting). Experience in developing assignments, evaluating papers, and setting up a writing laboratory. Prerequisites: ENG 101, ENG 102, ENG 385.

410. METHODS OF TEACHING FOREIGN LANGUAGES - 3 hours
This course is the same as FREN/SPAN 410 and covers methods of teaching foreign language. Includes a required classroom observation component.

412. TOPICS IN GRAPHIC NARRATIVE - 3 hours
A special topics course focused on a specific problem in graphic narrative; topics may include the superhero, graphics non-fiction, underground comix, manga, and others. May be repeated for credit with a different topic heading. Prerequisite: ENG 200.

450. CURRICULUM AND METHODS IN ENGLISH-LANGUAGE ARTS - 3 hours
Curriculum, methods, and materials for teaching language, composition, and literature to the Middle Childhood and Adolescent Education students. Prerequisites: ENG 275 and ENG 385. To be taken prior to the Professional semester. Minimum grade of "C" required. Must have passed all three Praxis 1 (PPST) tests.

460. CONTEMPORARY LITERATURE - 3 hours
A survey of British and American works of literature published since the Second World War.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of English. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

490. WORLD LITERATURE I - 3 hours
A survey of significant works of ancient and classical literature, with particular emphasis on their role as background to later writers.

492. WORLD LITERATURE II - 3 hours
A survey in post-colonial literature, including writers of African, Caribbean, East Asian, and South Asian heritages, with particular emphasis on the twentieth and twenty-first centuries.

495. ENGLISH LIBERAL ARTS SENIOR SEMINAR - 1 hour
Measures the accomplishments of English Liberal Arts majors with a portfolio, a 6-12 page formal research paper, and an oral presentation. All senior English Liberal Arts students must register for this course during the fall semester of their senior year. A grade of "B" is required.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

498. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

ENGLISH AS A SECOND LANGUAGE (ESL)

203. ASPECTS OF AMERICAN ACADEMIC COMMUNICATION - 3 hours
This course instructs new International students in basics of American culture and communication including intensive phonetics. Students will practice conversational and academic speech and will learn about American culture through field trips and excursions.

210. ADVANCED ENGLISH AS A SECOND LANGUAGE – 3 hours
Intensive advanced training in listening, speaking, reading and writing English as a second language.

220. ADVANCED ESL SPEAKING SKILLS – 3 hours
Intensive advanced training in ESL conversation, listening and presentation skills.

470. ADVANCED ORAL EXPRESSION AND PHONETICS - 3 hours
This course examines the linguistic features and properties of various regional and societal dialects of American English. While students will be trained to produce Standard American English, they will develop an appreciation of the English dialects spoken around the United States with additional; examination of Appalachian and Southern speech. Readings and class discussions will focus on the linguistic rules of various pronunciations, the nature of language change over time and the psychological reality of regional, social and foreign accent.

ENTREPRENEURSHIP (ENT)

202. CREATIVE PROBLEM SOLVING - 3 hours
This introductory course focuses on creative problem-solving from an entrepreneurial perspective. Content will introduce students to the concepts of creative problem-solving, social entrepreneurship, entrepreneurship, generating innovative ideas, creating entrepreneurial ventures, and the role that entrepreneurship plays within society. It presents the entrepreneur or social entrepreneur as the agent of change in a free market economy, and highlights practical aspects of opportunity recognition and new venture creation.

300. FOUNDATIONS OF ENTREPRENEURSHIP - 3 hours
This course introduces students to concepts and principles that are foundational for any sort of entrepreneurship, which include: creative problem solving, generating innovative ideas, initiating entrepreneurial ventures, social entrepreneurship, and the role that entrepreneurs play as agents of change in a free market economy. Students will also be exposed to various entrepreneurs through guest lectures.

301. ENTREPRENEURIAL PROMOTIONS - 3 hours
This course presents the entrepreneur with the fundamental theories of marketing and selling a product or service. Content will introduce students to the concepts of research, product planning, product communication, sales implementation and after sales services applied to the entrepreneur's vision.

302. NEW PROJECT FEASIBILITY - 3 hours
This course helps students determine whether their own previously identified opportunities are suitable for the marketplace. Students will apply feasibility concepts to the wide range of challenges encountered when launching commercial and non-profit ventures. Through experiential learning opportunities, students will apply what they learn to develop a comprehensive plan for their own new project.

303. ETHICS AND ENTREPRENEURSHIP - 3 hours
This course presents theories and principles of ethics in two contexts. Ethics is studied to determine virtue, what is lawful and what is inspirational. Ethics is also studied to fashion strategies for entrepreneurial success. Ethics will be illustrated as creating competitive advantages, attracting and maintaining customers and motivating the will to be successful.

325. SOCIAL ENTREPRENEURSHIP - 3 hours
This course engages students in an in-depth study of entrepreneurship in the social sector, an accelerating field of study and practice in today's world. Employing the case study method and guest lectures, students are exposed to social entrepreneurs who have developed and implemented organizational models to address social problems and facilitate some meaningful change.

350. ENTREPRENUERSHIP LAW AND ETHICS - 3 hours
This course studies the legal issues frequently encountered by entrepreneurs. Among other topics, the course specifically examines the basics of intellectual property law, the governmental legal requirements for starting a for-profit or non-profit organization, as well as the legal issues surrounding the raising of capital and structuring the ownership and leadership of an organization. Ethics will be studied as to creating competitive advantage, attracting and maintaining customers and motivating the will to be successful.

364. ENTREPRENEURSHIP AND NEW VENTURES - 3 hours
This course concentrates on starting and growing new businesses. Topics include identifying new venture opportunities and evaluating the viability of a new business concept, identifying and exercising entrepreneurial skills through classroom discussion and case analysis, and introducing students to a variety of entrepreneurs. Prerequisites: MGT 350 and MKT 331.

401. NEW PROJECT CREATION I - 3 hours
This course provides first-hand experience working alongside entrepreneurs and facilitating the launch of student conceived business plans. The goal is the enable students to work with commercial and social/non-profit entrepreneurs to gain experience with the multiple facets of entrepreneurship. In this course, you will be immersed as an observer and participant of the entrepreneurial process.

402. NEW PROJECT CREATION II - 3 hours
This course concentrates on starting and growing new businesses. This course is a continuation of ENT 401 and provides first-hand experience working alongside entrepreneurs and facilitating the launch of student conceived business plans. This course is part 2 of a two semester sequence.

450. VENTURE FINANCE AND ANALYSIS - 3 hours
This course applies the skills of financial analysis to the problem of venture financing. Major topics include attracting seed and growth capital from sources such as venture capital, investment banking, government and commercial banks. Other issues include valuing a company, going public, selling out, different forms of ownership, and taxes. Prerequisites: FIN 300.

460. TOPICS IN ENTREPRENEURSHIP - 3 hours
Presentation of selected topics which are of significance in the entrepreneurial activity. Topics will include family-owned and operated businesses, managing and controlling the growing business, product innovation, e-commerce, legal and ethical concerns, and other selected topics..

490. INTERNSHIP IN ENTREPRENEURSHIP - 3 hours
This course provides an advanced internship experience in a for-profit or non-profit enterprise supervised by professionals on-the-job in the field of entrepreneurship.

EXERCISE PHYSIOLOGY (EP)

125. INTRODUCTION TO EXERCISE PHYSIOLOGY - 1 hour
This course of study is designed to introduce the student to such aspects of the discipline as: the areas of study, technology, certifications, professional organizations and career opportunities. The student will also develop an appreciation for the history, as well as, current and future trends in Exercise Physiology. Offered fall semester only.

299. BASIC STRENGTH AND CONDITIONING PRINCIPLES - 3 hours
Scientific principles, theories and practical applications of strength and conditioning in athletic development, program and facility design and individual and group technique. Prerequisite: PE 240.

325. EXERCISE PHYSIOLOGY I – 3 hours
This course consists of the foundational aspects of exercise physiology inclusive of the anatomical, physiological, metabolic, and homeostatic control of collective body systems during rest, exercise/work, and recovery. Special attention is focused on the central and peripheral adaptations to both acute and chronic exercise. Health related and skill related parameters are addressed, in addition to environmental stress (heat, cold, altitude, etc.) and disease states (CV, DM, obesity, etc.) Research methodology will also be introduced. Course runs concurrently with EP 326 Lab. Prerequisite: PE 240 or BIO 212.

326. EXERCISE PHYSIOLOGY I LAB - 1 hour
This laboratory course will consist of basic exercise physiology and related practical applications including measurements and testing both resting and exercise states. Test and measurements in the health related parameters of cardiovascular fitness, muscular strength, muscular endurance, flexibility, and boy composition will be completed. Skill related performance parameters are also addressed in reference to speed, agility, coordination, reaction time, power, and balance. Introduction to GXTs, metabolic circulations, measurements of HR, BP, RR, VO2, RPE, blood lactate, and other physiological variables will occur. A research project will be initiated in the course which will be carried over into EP 449 and completed in EP 462. To be taken concurrently with EP 325 lecture. Prerequisite: PE 240 or BIO 212.

342. CARE AND PREVENTION OF ATHLETIC INJURIES - 2 hours
A comprehensive presentation of factors contributing to traumatic and chronic sports injuries including predisposing factors, mechanisms of occurrence, early recognition and initial treatment. Prerequisites: PE 240 or BIO 212.

352. SPORT REHABILITATION - 2 hours
Students will be introduced to the fundamental principles of the rehabilitation of sports-related injuries, the physiology of the healing process, strength and flexibility restoration, patient management and the use of therapeutic modalities will be explained and demonstrated. Prerequisite: PE 240 or BIO 212.

448. EXERCISE PHYSIOLOGY II – 3 hours
This course builds off the foundation or EP 325/326 and is inclusive of bioenergetics, metabolism, neural-endocrine control, metabolic response to exercise, pulmonary ventilation, central and peripheral dynamics, muscle physiology, neural control of movement, environmental factors, coronary/vascular disease, nutrition and performance, ergogenic aids, youth/aging/gender differences, fatigue and exercise. In addition, statistics and research design will be further explored. A project will be required. To be taken concurrently with EP 449. Pre-requisite: PE 345 or EP 325/326.

449. EXERCISE PHYSIOLOGY II LAB – 1 hour
This laboratory course involves more in-depth applications, tests, and measurements related to physiological stresses and adaptations to exercise. A laboratory project will be initiated in this class after appropriate introduction to the use and application of lab equipment and research design. The project initiated in EP 326 will be further progressed. To be taken concurrently with EP 448. Prerequisite: PE 345 or EP 325/326.

450. BIOMECHANICS - 3 hours
Advanced application of muscle mechanics and physiology in identification and analysis of factors that influence human and sport object movement patterns and the physical forces acting upon them, to include problem solving as it relates to the biomechanics of human movement, i.e. the analysis of kinematics and kinetics, linear and angular kinetics and kinematics, etc. Prerequisite: BIO 212 or PE 240. NOTE: This course is a prerequisite for PHYS 101/110.

454. CARDIAC REHABILITATION - 3 hours
This course will focus on the anatomy and physiology of cardiac and peripheral circulation; the basics of the cardiac cycle; heart sounds; electrical activity of nerve, muscles and the heart; and regulation of circulatory performance. Also, discussion will be directed to electrode and lead wire placement and the basic principles of EKG interpretation, such as, determining rate, rhythm, axis, blocks, hypertrophy and infarction. To be taken concurrently with EP 456. Prerequisite: PE 345 or EP 325/326, EP 448/449.

455. MODIFICATION OF EXERCISE - 3 hours
This course will encompass the development of exercise programs and exercise management for persons with chronic diseases and disabilities, i.e., cardiovascular, pulmonary and metabolic diseases, and orthopedic diseases and disabilities. An overview of the disease pathophysiology, the effects on the exercise response, training and medications; as well as recommendations for exercise testing will also be discussed. Prerequisite: PE 345 or EP 325/326, EP 448/449.

456. CARDIAC REHABILITATION LAB – 1 hour
This is an EKG lab to be taken concurrently with EP 454. The focus of this course is on EKG interpretation. Emphasis is placed on 12-lead and 3-lead EKG set up, interpretation of heart cycle waves, complexes and segments during rest and exercise. Heart rate, rhythm, axis, hypertrophy, and infarction will be assessed along with various EKG tracings in order to identify various arrhythmias, blocks, syndromes, etc. Corresponding exercise prescription will be part of the educational experience. Must be taken concurrently with EP 454. Prerequisites: Must have senior status. PE 345 or EP 325/326, EP 448/449.

460. THEORY OF EXERCISE TESTING, PRESCRIPTION AND PROGRAMS - 3 hours
Following the ACSM's Guidelines for Exercise Testing and Prescription, consideration will be given to health appraisal; risk assessment; contraindications to exercise testing; informed consent; physical fitness and clinical exercise testing; interpretation of test data; exercise prescription; and common medications. Continuation and completion of research design education and related criteria will occur. To be taken concurrently with EP 462. Prerequisite: PE 345 or EP 325/326, and EP 448/449, EP 454/456, EP 455.

462. THEORY OF EXERCISE TESTING, PRESCRIPTION AND PROGRAMS LAB - 1 hour
This course is designed to complement the lecture course (EP 460) and further enhance laboratory procedures and tests in Exercise Physiology including ergometry measurements of both health related and skill related parameters. This is a capstone laboratory course drawing on the education received across all previous EP major lecture/lab courses. Laboratory or research projects initiated on EP 449 may be carried over and completed in EP 462 if necessary in addition to EP 462 requirements. A new project may be required in this course at the discretion of the professor. Prerequisite: PE 345 or EP 325/326, and EP 448/449, EP 454/456, EP 455.

480. EXERCISE PHYSIOLOGY INTERNSHIP - 6 hours
This course will provide supervised practical experience(s) in the specialized area that the student anticipates a career. The internship instructor and the student will arrange the appropriate internship site. Three hundred sixty (360) contact hours with daily log recorded by the student are required. Students may sign up for from 1 to 6 hours with each hour equivalent to 60 contact hours. Students must also complete a project approved by their advisor during the internship. Prerequisites: Students must have a GPA of 2.50 overall, in the major component, and in the concentration area. A minimum grade of C is required in all major component classes. EP 325/326, EP 448/449, EP 454/456, EP 455.

FINANCE (FIN)

131. FINANCIAL LITERACY - 3 hours
Introduces student to concepts, tools and applications of personal finance and financial planning. The emphasis is on a practical life-cycle approach to financial planning. Topics covered include personal financial statements and budgets, liquidity and credit management, tax planning and strategies, purchasing decisions, insurance protection, investing asset management, retirement and estate planning, and the time value of money. This course is open to all students University-wide.

300. PRINCIPLES OF FINANCE - 3 hours
Financial management of business units with emphasis on finance organization structure; collecting and using financial data; judging profitability; liquidity, sources of capital; internal financial operations. Social responsibility and ethical behavior consistent with the goal of shareholder wealth maximization is practiced. Prerequisite: ACC 224.

301. FINANCIAL INSTITUTIONS – 3 hours
The role of financial institutions and services in our nation's financial markets and the economy. Analysis of interest rates, financial markets, and federal revenue policy. Prerequisite: FIN 300. Spring semester, even-numbered years.

302. CORPORATE FINANCE - 3 hours
In this course we will address many important issues facing corporate managers, including (1) capital budgeting analysis; (2) cost of capital and capital structure analysis; (3) corporate payout policy; and (4) working capital management. The primary goal for this course is to solidify your understanding of basic finance and broaden your understanding of applying the basic finance concepts in practices. Prerequisite: FIN 300.

310. INVESTMENT AND PORTFOLIO ANALYSIS I – 3 hours
Principles underlying investment analysis and policy; central theme is on decision-making from investor viewpoint, with emphasis on risk and return; introduction to portfolio management. Prerequisite: FIN 300. Fall semester, even-numbered years.

311. INVESTMENT AND PORTFOLIO ANALYSIS II – 3 hours
Investment and analysis for the financial professional and financial institution. The systematic selection, assessment, and ranking of corporate securities in a portfolio framework through a synthesis of fundamental analysis, technical analysis and random walk. The ethical considerations in the entire investment process, including insider trading, will be stressed. Prerequisite: FIN 310. Spring semester, odd-numbered years.

321. INTRODUCTION TO WEALTH MANAGEMENT - 3 hours
This course will cover the basics of the financial planning process, client interactions, time value of money applications, personal financial statements, cash flow and debt management. Prerequisite: FIN 300.

322. INSURANCE PLANNING - 3 hours
This course introduces students to risk management and insurance decisions in personal financial planning. Topics include insurance for life, health, disability, property and liability risks, as well as annuities, group insurance, and long-term care. Prerequisite: FIN 321.

331. PERSONAL FINANCE - 3 hours
Introduces student to concepts, tools and applications of personal finance and financial planning. The emphasis is on a practical life-cycle approach to financial planning. Topics covered include personal financial statements and budgets, liquidity and credit management, tax planning and strategies, purchasing decisions, insurance protection, investing, asset management, retirement and estate planning, and the time value of money. This course is open to all students University wide.

355. INTERNATIONAL FINANCE - 3 hours
This course is designed to provide a foundation in international finance from both the corporate and banking viewpoints. Prerequisite: FIN 300.

424. RETIREMENT PLANNING - 3 hours
This course will provide students with knowledge of both public and private retirement plans. Prerequisite: FIN 322.

425. ESTATE PLANNING - 3 hours
This course focuses on the efficient conversion and transfer of wealth. Prerequisite: FIN 322.

446. PERSONAL FINANCIAL PLANNING CAPSTONE - 3 hours
This course will engage the student in critical thinking and decision making about personal financial management topics in the context of the financial planning process. Prerequisites: FIN 310, 311, 322, 324, AND 425. (FIN 324 and/or FIN 425 can be taken concurrently with FIN 446).

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

FINE ARTS (FA)

101. FINE ARTS AS A HUMAN EXPERIENCE -3 hours
An interdisciplinary fine arts course with emphasis on a conceptual rather than an historical approach. Strives to develop the individual's inner resources for artistic sensitivity and communication.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Fine Arts. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the college dean.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Fine Arts. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the college dean.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson (if applicable) and college dean.

FRENCH (FREN)

101. BEGINNING FRENCH I - 3 hours
An introduction to the essentials of French language and culture. Aural comprehension, speaking, reading, and writing activities receive equal attention.

102. BEGINNING FRENCH II - 3 hours
Further introduction to the essentials of French language and culture. Continued emphasis on aural comprehension, speaking, reading, and writing activities receive equal attention. Prerequisite: FREN 101 or equivalent.

201. INTERMEDIATE FRENCH I - 3 hours
Intermediate study of the essentials of French language and culture. Continued emphasis on aural comprehension, speaking, reading, and writing activities receive equal attention. Prerequisite: FREN 102 or equivalent.

202. INTERMEDIATE FRENCH II - 3 hours
A continuation of the essentials of French language and culture. Continued emphasis on aural comprehension, speaking, reading, and writing activities receive equal attention. Prerequisite: FREN 201 or equivalent.

278. SPECIAL TOPICS - 3 hours
A course category for selected topics in the general field of French. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

301. CONVERSATION AND COMPOSITION I - 3 hours
This course builds functional language proficiency through conversational practice and essay writing.

302. CONVERSATION AND COMPOSITION II - 3 hours
A continuation of FREN 301, this course builds functional language proficiency through conversational practice and essay writing. Students will write a research paper and give a presentation in French.

303. ADVANCED FRENCH GRAMMAR AND WRITING - 3 hours
French 303 has two foci: the study of French grammar at the advanced level and a French writing workshop. This course aims to develop competence in written expression in French, with special emphasis on stylistic variations, lexical nuances, and complex grammatical structures. It will serve as a springboard for continued study of French in more advanced literature, culture, or linguistic courses, as well as for a study abroad experience in a Francophone country. Prerequisite: FREN 202 or equivalent.

310. SURVEY OF FRENCH LITERATURE – 3 hours
This course is a survey of major authors of the French literary canon. We will engage in critical reading of poetry, theater, short stories, and novel prose. Emphasis is placed on reading and writing about literature, but active discussion of the texts will also be essential. Revision and rewriting of student essays are integral parts of the course, as well as regular individual conferences. Prerequisite: FREN 202 or equivalent.

311. SURVEY OF FRENCH CINEMA – 3 hours
This course is an examination of French culture through the medium of film. By approaching the films we watch from a variety of perspectives, we will develop a deeper appreciation for the ways in which films produce meaning. We will discover how films tell stories or convey information in specific ways, analogous to works of literature and art. We will discuss how films can be understood and analyzed as cultural objects that reflect and preserve French culture. The emphasis in the coursework is on both discussing and writing critically about French films. We cover important periods and movements in French filmmaking including poetic realism, nouvelle vague (New Wave), and postwar mode retro (inspired by the past). Prerequisite: FREN 202 or equivalent.

316. FRENCH CULINARY TRADITION – 3 hours
This course examines the historical, social and political influences on the various regional cuisines of France. In addition to historic events in the study of food consumption, attention is given to cross-cultural food practices and current food politics on a geo-political scale. Prerequisite: FREN 202 or equivalent.

325. BUSINESS FRENCH - 3 hours
An introduction to French business language and culture. Emphasis will be on language, etiquette and customs in France; however, some French Canadian and West African businesses will also be examined.

340. FRENCH FOR CURRENT AFFAIRS - 3 hours
This course provides both an introduction to various aspects of contemporary France, as well as an intensive training in speaking and listening comprehension. Through the use of current news media, both written and broadcast, we will investigate the major political, economic, technological and social forces that affect French society today. We will examine the role of France within the European Union and in the world arena. In addition to assigned readings, we will be closely following French television and press in order to discuss current events as they happen. As we expand upon the issues and controversies with French current affairs, we will encourage the development of oral expression and listening comprehension techniques and argumentation strategies through discussion and debate. Prerequisite: FREN 202 or equivalent.

350. CIVILIZATION OF FRANCE I - 3 hours
Study of the development of France and French culture from 496-1500 through texts, art and architecture. Prerequisite: FREN 202 or permission of instructor.

355. ARTS AND CULTURE IN PARIS - 3 hours
Overview of French art and artists from the Bayeux tapestry to the contemporary period. Special emphasis is given to artists whose collections are permanently found in Paris. Prerequisite: FREN 202 or permission of instructor.

360. FRENCH TRANSLATION - 3 hours
Contrastive study of written French and English (*thème* and *version*) with translation of texts from English into French and French into English. Prerequisite: FREN 202 or permission of instructor.

401. THE FRENCH NOVEL I - 3 hours
A critical reading of novels written in French by French authors as well as by Francophone Canadian, African and Caribbean authors. Prerequisite: FREN 202 or equivalent.

403. THE FRENCH THEATER I - 3 hours
A survey of French plays and playwrights from 1600 to the present. Prerequisite: FREN 202 or equivalent.

405. FRENCH POETRY I - 3 hours
An overview of French poetry from 1600 to the present. Prerequisite: FREN 202 or equivalent.

410. METHODS OF TEACHING FOREIGN LANGUAGE – 3 hours
This course is designed to prepare future French teachers in the K-12 schools. The course is organized around the Standards for Foreign Language Learning, commonly referred to as the Five Cs: Communication, Cultures, Connections, Comparisons and Communities. Students will learn about current theoretical bases for second-language acquisition and how theory informs classroom practice. The course does not promote a particular methodology, but rather presents principles of learning from which teachers can draw as they make decisions about instruction. Prerequisite: FREN 202 or equivalent.

470. ADVANCED ORAL EXPRESSION AND PHONETICS – 3 hours
This course examines the linguistic features and properties of various regional and social dialects of French. While students will be trained to produce Standard Parisian French, they will develop an appreciation of the French dialects spoken in Côte d' Azure, Switzerland, Belgium and Quebec. Readings and class discussions will focus on the linguistic rules of various pronunciations, the nature of language change over time and the psychological reality of regional, social and foreign accent. Prerequisite: FREN 202 or equivalent.

478. SPECIAL TOPICS - 3 hours
A course category for selected topics in the general field of French. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty, may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

GENERAL BUSINESS (GBUS)

140. INTRODUCTION TO BUSINESS - 3 hours
A survey course treating the internal organization of business firms, with special emphasis on division into departments along functional lines, including personnel, sales, credit, finance; problems of risk taking: managerial controls and regulations; duties and responsibilities of line and staff officers and other executives. Ethical considerations in business will also be explored.

222. PROFESSIONAL DEVELOPMENT I - 1 hour
This course is a one credit seminar that directs students on a path to a successful career in business. Topics include professionalism, career exploration, resume writing, obtaining internships and etiquette. Pass/Fail grade only. Prerequisite: ENG 102.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of General Business. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

280. BUSINESS STATISTICS - 3 hours
A course designed to introduce concepts in descriptive and inferential statistics and their application to business administration. Topics covered include measures of central tendency and dispersion, probability distributions, sampling and sampling techniques, confidence intervals, hypothesis testing and an introduction to linear regression, index numbers and the use of computers in statistical analysis. Prerequisites: MATH 140, 145 or 210.

303. QUANTITATIVE BUSINESS ANALYSIS - 3 hours
The use of scientific, mathematical, and quantitative methods as aids to managerial decision making. Prerequisites: MATH 140 or MATH 145 or Math 210.

322. PROFESSIONAL DEVELOPMENT II - 1 hour
This course is a one credit seminar course and is a continuation of GBUS 222. It focuses on finding the right job and how to excel in the working world. Topics include advanced job searches, interview skills, essential soft skills, career progression, and ethics. Students also participate in mock interviews with employers who are in their field. Pass/Fail grade only. Prerequisite: GBUS 222.

325. INTERNATIONAL BUSINESS - 3 hours
Introduction to the basic concepts and practices of international business. Topics include the economic environment for overseas operations, governmental policies affecting international business, strategy and structure of multinational corporations, ethics in international trade, effects of multinationals on the U.S. economy, and career issues.

344. LEGAL ENVIRONMENT OF BUSINESS I - 3 hours
An introduction to the legal environment within which business must function. Topics covered include the American legal system, ethics, contract law, negotiable instruments, and intellectual property rights.

444. LEGAL ENVIRONMENT OF BUSINESS II -3 hours
A continuation of GBUS 344. Topics covered include agencies, partnerships, corporations, bankruptcy, securities regulation, consumer law, labor law, ethics, property law, and antitrust law. Prerequisite: GBUS 344.

446. BUSINESS ETHICS - 3 hours
An examination of particular ethical issues which arise in the course of business activity. Emphasis on the ethical assessment of the values and rationales which influence business organizations and business decision making. An ethical investigation of the overall context in which American business is conducted. Prerequisite: Senior status.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of General Business. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

480. STUDENTS IN FREE ENTERPRISE (S.I.F.E.) - 1 hour (3 hours)
SIFE is a nationwide, not-for-profit organization geared toward promoting the American free enterprise system through student-generated activities on college campuses and in local communities throughout the U.S. Participants in the WLU chapter of SIFE engage in a variety of programs designed to increase public awareness of the national, state, and local economic issues that currently confront the American people. Selected students participate in regional competitions sponsored by the SIFE National Headquarters at the end of the academic year. This course is offered on a K credit basis. This course may be repeated twice for a **total of three credit hours.**

482. DALE CARNEGIE: HIGH IMPACT PRESENTATIONS - 1 hour
Course content focuses on structuring a presentation, building credibility, and selling the idea; how to use the voice and gesture to create a strong impression; how to handle a formal speech, impromptu remarks, or a contentious press conference. This course is offered as credit/non-credit.

483. DALE CARNEGIE: LEADERSHIP TRAINING FOR MANAGERS - 2 hours
Dynamic action-learning that explores the fundamentals of leadership, the strategies for decision-making, the tools and techniques for communicating persuasively. Additional focus is on situations that managers face regularly: how to get buy-in for change initiatives; how to build cooperation and trust in the workplace; how to convert new ideas into superior results. The training integrates the work of Peter Drucker, the father of modern management thinking. This course is offered as credit/non-credit.

484 DALE CARNEGIE: SALES ADVANTAGE - 2 hours
Sales Advantage examines the strategic answers to today's make-or-break selling issues: how to win appointments with key players; communicate proactively; resolve objections; gain referrals; close more sales. The course delivers remarkably improved sales performance with dramatic results on the bottom line. This course is offered as credit/non-credit.

485. THE DALE CARNEGIE COURSE - 3 hours
The revolutionary Dale Carnegie Course approach uses team dynamics and intra-group activities to help people master the capabilities demanded in today's tough business environment. Participants learn how to strengthen interpersonal relations, manage stress, and handle fast-changing workplace conditions. The course presents a four-phase continuous improvement cycle: Attitude change, Knowledge, Practice and Skills Development. Course content provides a strong foundation to sustain people as they pursue life-long professional growth and performance improvement. This course is offered as credit/non-credit.

495. STRATEGIES FOR TECHNOLOGY MANAGEMENT AND COMMERCIALIZATION - 3 hours
This unique team-taught course is the foundation of the EMBL Institute curriculum. This course integrates three related seminars [Launching a New Technology (LNT), Technology and Ethics (T & E), Fundamentals of Intellectual Property] to offer a comprehensive review of the significant facets of technology commercializa-

tion and entrepreneurship. In addition, a number of lectures, workshops, panel presentations and addresses will facilitate students' understanding of minority entrepreneurship and professionalism in technology commercialization and management.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

GENERAL SCIENCE
See PHYSICS

GEOGRAPHY (GEO)

205. INTRODUCTION TO GEOGRAPHY - 3 hours
World distribution of the various elements of the natural environment and man's adjustment to this distribution; resultant changes in cultures, politics and economics.

206. WORLD REGIONAL GEOGRAPHY - 3 hours
A survey of world geographical regions to include: economic development; people and resources; physical environments; and cultural patterns.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Geography. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

302. GEOGRAPHIC INFORMATION SYSTEMS – 3 hours
An introduction to vector and raster based Geographic Information Systems (GIS). A hands-on approach is employed using a commercial software package. Topics include the acquisition, input, storage and editing of data, generation of maps, and reports and the fundamentals of cartography.

303. PRACTICAL APPLICATIONS OF GIS – 3 hours
A hands-on, practical introduction to the use of Geographic Information Systems (GIS) for students in a wide variety of disciplines and settings. The course implements a problem-solving exercise approach that introduces students to various possible applications of this important tool. Students will learn and practice the skills necessary to design and create a simple GIS project.

306. PHYSICAL GEOGRAPHY - 3 hours
Examines the systems and processes that shape physical landscapes. Basic processes relating to climate, vegetation, soils, hydrology and geomorphology are investigated. The primary focus is on understanding fundamental physical processes and their roles in creating natural landscapes.

307. ENVIRONMENTAL ISSUES IN APPALACHIA - 3 hours
An investigation of environmental issues as they relate to human health, ecosystem stability, economics and politics in the Appalachian region. The course will primarily focus of the impacts of human activities and include field work.

310. GEOGRAPHY OF U.S. AND CANADA - 3 hours
Study of major factors leading to the different functions of the geographic regions within the United States and Canada.

311. POPULATION GEOGRAPHY - 3 hours
Course focuses on spatial features, characteristics and patterns of population geography with an emphasis on the global distribution of population characteristics and trends, migration patterns and population policy.

312. GEOGRAPHIES OF WORLD TOURISM - 3 hours
A geographical examination of tourism as a global, national and local phenomenon. A focus on the roles that space and place play in shaping economic, social and environmental impacts, tourism trends and ecotourism.

317. GEOGRAPHIES OF DISASTERS - 3 hours
An examination of the impacts of disasters including floods, hurricanes, tornadoes, tsunamis, fires, earthquakes and volcanoes. Students will engage with case studies that highlight the human and environmental costs as well as mitigation strategies.

320. GEOGRAPHY OF ASIA - 3 hours
Study of major factors leading to the different functions of the geographic regions within Asia.

330. GEOGRAPHY OF CENTRAL AND SOUTH AMERICA - 3 hours
Study of major factors leading to the different functions of the geographic regions within Central and South America.

340. GEOGRAPHY OF EUROPE - 3 hours
Study of major factors leading to the different functions of the geographic regions within Europe and the former Soviet Union.

350. GEOGRAPHY OF AFRICA - 3 hours
Study of major factors leading to the different functions of the geographic regions within Africa.

371. ECONOMIC GEOGRAPHY - 3 hours
Study of basic resources, such as minerals, soils, and climate, correlated with relative resources such as location, accessibility to raw materials and markets.

400. CULTURAL GEOGRAPHY - 3 hours
Development and change of man's culture in the physical world. Prerequisites: ENG 101 and ENG 102.

402. ADVANCED GEOGRAPHIC INFORMATION SYSTEMS – 3 hours
Explores the use of Geographic Information Systems (GIS) for spatial analysis, measurements and data classification. Basic cartographic modeling concepts are introduced. Prerequisites: ENG 101, ENG 102, GEO 302 and MATH 160.

403. GEOGRAPHIES OF POPULAR CULTURE – 3 hours
In this course geographical concepts including space, place, location distribution, scale, identity and representation are used to understand various phenomena of popular culture. Case studies are drawn from popular music, sports, film, television, comic books and the Internet. Prerequisites: ENG 101 and ENG 102.

404. URBAN GEOGRAPHY - 3 hours
Basic understanding of the development, function, and spatial interaction of cities in the world. Prerequisites: ENG 101 and ENG 102.

405. ENVIRONMENTAL GEOGRAPHY - 3 hours
An investigation into natural resources and ecosystem services as well as the environmental impacts of various human activities and their potential consequences. Prerequisites: ENG 101 and ENG 102.

437. INTRODUCTION TO REMOTE SENSING--3 hours
Introduces the nature and uses of aerial photographs, radar, and satellite imagery in land use/land cover analyses. Computer en-

hanced interpretation of digital images and spatial analysis methods are explored. Prerequisites: ENG 101 and ENG 102.

444. WEATHER AND CLIMATE - 3 hours
Study of the weather elements in the atmosphere, emphasizing energy exchanges and controls and the general atmospheric circulation. Analysis and identification of climates, with emphasis on regional distribution. Basic techniques in handling climatic data. Prerequisites: ENG 101 and ENG 102.

452. GEOGRAPHIC THOUGHT - 3 hours
Geographic Thought addresses the history and philosophy of geographic thought within the context of the physical and social sciences. From the earliest traditions of geography to more recent trends in theory and research, this course will provide the student with a clear foundation for understanding the profession of geography. Prerequisites: ENG 101 and ENG 102.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Geography. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson. Prerequisites: ENG 101 and ENG 102.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean. Prerequisites: ENG 101 and ENG 102.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

GERONTOLOGY (GERO)

100. PERSPECTIVES ON AGING - 3 hours
This course will introduce the aging phenomena in our society as well as examine the aging process by looking at life span development, personal-environment interaction, optimal quality of life and cross cultural consideration. It will address how the attitudes and expectations of the caretaker toward aging impact patient care and will show caretakers how to involve family and friends in implementing best care practices for older adults.

200. BIOLOGY AND PHYSIOLOGY OF AGING - 3 hours
This course will introduce concepts related to the functional, physical, cognitive, and social changes that occur during aging.

280. CLINICAL ASPECT OF DEMENTIA CARE - 2 hours
This course is designed as an independent study. It will focus on the methods and technological diagnoses and treatment of Alzheimer's disease.

290. INTERDISCIPLINARY MANAGEMENT OF PROBLEMS OF AGING - 3 hours
This course will provide a comprehensive review of best practices in the interdisciplinary management of common functional and cognitive problems in the elderly.

300. PREVENTION AND HEALTHY AGING - 3 hours
This course provides best practice guideline for health promotion, disease prevention, and risk management with the aging population.

340. ISSUES IN LONG-TERM CARE AND AGING - 3 hours
This course will introduce the modes of health care delivery and older adults' transitions to and from home, hospitals, and nursing homes. It will examine services and delivery systems available across the health care continuum.

350. THE LAW, ETHICS AND AGING - 3 hours
This course will provide an overview of the ethical/legal issues in the care of older adults. Concepts to be examined include: autonomy, vulnerability, frequency of health care needs, recognizing and reporting elder abuse, resource allocation, Social Security, Medicare/Medicaid, guardianship, and decision making.

360. HEALTH, LAW AND SOCIAL POLICY - 3 hours
This course will provide a broad survey of the legal regulation of the healthcare industry; content to be included consists of legal regulation of quality, accreditation, licensure, state and federal regulations, availability of health care for older adults, and other major issues affecting the elderly.

370. FINANCING AND REGULATION OF LONG-TERM CARE - 3 hours
This course will provide an overview of the financing and regulation of long-term care services.

380. RESEARCH METHOD ON AGING - 3 hours
This course will introduce methods of conducting research on aging populations

400. EPIDEMIOLOGY OF AGING - 3 hours
This course will examine epidemiological methods used to conduct research on aging and the diseases that primarily affect aging individuals.

410. CONTEMPORARY ISSUES IN CROSS-CULTURAL HEALTH CARE - 3 hours
This course will examine how delivery and acceptance of health care may be influenced by social, cultural and environmental influences. It will examine various models of international health care systems.

479. SPECIAL PROBLEMS - 1-3 hours
Directed self-study work with a faculty member my be offered at any time. Student requests require approval of the instructor and department chairperson.

480. GERONTOLOGY EXTERNSHIP - 3-6 hours
This course provides clinical opportunity to apply theoretical knowledge in the delivery of health care to seniors through an externship in an agency or institution serving older people. Practicum sites include senior centers, nursing homes, adult day care centers, independent living facilities, or area agencies on aging. Prerequisites: GERO 100 and HS 370.

HEALTH EDUCATION (HE)

150. INTRODUCTION TO HEALTH EDUCATION – 3 hours
This course of study is designed to introduce the student to aspects of the discipline such as the areas of study, technology, certifications, professional organizations and career opportunities. The student will also develop an appreciation for the history, as well as current and future trends in Health Education. Offered fall semester only.

250. INTRODUCTION TO HEALTH - 3 hours
Knowledge and attitudes concerning one's personal health; a study of major health problems with emphasis on mental health and current health problems of our society. Not open to health education majors or minors.

253. PERSONAL HEALTH - 2 hours
Knowledge and attitudes concerning one's personal health; a study of major health problems with emphasis on mental health and current health problems of our society. Not open to health education majors or minors.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Health Education. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

300. NUTRITION AND FITNESS - 3 hours
Exploration of factors involved with the relationships in physical fitness, nutrition, and optimum health.

320. MENTAL HEALTH AND DRUG USE AND ABUSE - 2 hours
Examine the relationships between mental health and the psychological, sociological, and pharmacological implications of drug use in today's society. Offered fall semester only.

340. HUMAN SEXUALITY AND THE FAMILY - 2 hours
Examine various aspects of human sexuality: relationship to health reproduction, birth, maternal and child care; today's life styles and marriage. Offered fall semester only.

360. COMMUNITY AND ENVIRONMENTAL HEALTH - 3 hours
A study of health-related agencies, official and voluntary; health delivery systems; consumer health, health careers; environmental health.

370. TEACHING ELEMENTARY HEALTH EDUCATION - 3 hours
Introduces the theories of instruction and methods for teaching health education to elementary school students. Identifies developmentally appropriate teaching methods and activities, reviews and assesses current health curriculum, and demonstrates the use of technology in the health classroom. Provides opportunities for observation, lesson planning, and teaching.

466. HEALTH AND SAFETY METHODS AND MATERIALS FOR ELEMENTARY TEACHERS - 3 hours
For majors in Elementary, Early Childhood, and Special Education. Consideration given to the total School Health Program with special emphasis on instruction and health problems of the school child. Prerequisites: HE 250 or HE 253.

468. SCHOOL HEALTH: INSTRUCTION & LEGALITIES - 4 hours
A philosophical and historical foundation for the school health services and healthful school environment with aspects of health instruction and legal and ethical issues that may arise in the school setting. Offered spring semester only. Must have junior or senior standing.

470. CURRENT HEALTH ISSUES SEMINAR - 1 hour
A forum for exploring current literature and research on health issues of importance in today's world. Offered spring semester only.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the field of health education. Students are encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson and college dean.

HEALTH SCIENCES (HS)

101. CALCULATION OF DRUGS AND SOLUTIONS – 1 hour
Provides instruction in the calculation of dosages and solution for health care professionals. The focus of the course is to prepare nursing students for the safe administration of medications and solutions in practice. Must be taken prior to or concurrently with NUR 200, 201. Prerequisite: MATH 046 if required.

110. HEALTH CARE CAREERS – 2 hours
This course is designed to familiarize students with various health care careers that require post-secondary education. The U.S. health care delivery system and those of selected countries will be explored.

300. UNDERSTANDING DEATH AND DYING – 3 hours
A course designed to explore the process of dying and the subsequent reaction experienced by individuals from various cultural and religious groups.

302. HEALTHCARE INFORMATICS – 3 hours
This course integrates information technology with knowledge and skills drawn from healthcare professions. Students gain insight to principles of informatics and patient care outcomes. Students will examine the professional role in utilization of informatics in diverse healthcare settings. The understanding of ethical, legal, and security issues will be correlated with principles of information dissemination and management. Prerequisites: Student in Health Science degree programs, including Nursing, Dental Hygiene, Medical Laboratory Sciences, Speech Pathology Audiology, Physician Assistant, or Healthcare Administration. Restriction: Health Care Management, Health Sciences.

370. THERAPEUTIC COMMUNICATION – 3 hours
Concepts, principles and techniques of therapeutic communication with people of all ages. The course is especially beneficial to individuals in social sciences/health sciences. Includes opportunities to apply techniques. Not open to nursing majors.

400. HEALTH CARE DELIVERY SYSTEMS- 3 hours
An overview of the U.S. health care delivery system, its policy makers, values, ethics, and other issues that confront it. The focus is on the ever-changing components of the health care system and the social forces responsible for those changes. The roles of governmental and professional agencies and organizations are presented.

410. ISSUES IN HEALTH CARE – 3 hours
An examination of current topics in health care from the interests of various constituencies and organizations. It is a study of current economic, regulatory, or operational issues and emerging trends

impacting the health care industry. Matters of health care policy, health care reform, current clinical and non-clinical health care developments, policy process, and advocacy will also be examined.

420. MANAGEMENT FOR HEALTH PROFESSIONS – 2 hours
Concepts and principles of administration and management as applied to health care professions. Prerequisites: NUR 340, 341, 360. HS 420 must be taken prior to or concurrently with NUR 481.

451. INTRODUCTION TO CLINICAL MEDICINE – 3 hours
The course provides an introduction to clinical medicine. Content includes medical terminology, physical assessment, and an overview of major medical maladies. Opportunities will be provided for students to practice basic assessment techniques and to explore various medical specialities. Prerequisites: Open to biology preprofessional students of junior standing who have completed BIO 302.

478. SPECIAL TOPICS – 1-3 hours
A course category for selected topics in health sciences. Students should consult the schedule to determine specific course offerings and are encouraged to recommend topics to the department chairperson.

479. SPECIAL PROBLEMS – 1-3 hours
Directed individual work with the various members of the faculty, which may be offered at any time. Student requests require approval of the instructor and department chairperson.

HISTORY (HIST)

Advanced History courses are arranged in this way: European History: 303-350; Non-Western History: 351-400; U.S. History: 401-450.

103. HISTORY OF CIVILIZATION I - 3 hours
Traces the evolution of human civilization from earliest time to 1500.

104. HISTORY OF CIVILIZATION II - 3 hours
Continuation of History 103; development of the modern world since 1500.

210. HISTORY OF THE UNITED STATES I, TO 1876 - 3 hours
Survey from colonial days through the Civil War; origins and development of national institutions.

211. HISTORY OF THE UNITED STATES II, SINCE 1876 - 3 hours
Continuation of History 210: History of the United States I, to 1870. Survey from the Reconstruction to the present. An overview of the principal developments, issues, themes, and personalities in United State history from the Reconstruction to the modern era. Topics may include industrialization and urbanization; the Progressive, Women's and Civil Rights movements; WWI, WWII, and the Cold War.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of History. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

302. WEST VIRGINIA AND THE APPALACHIAN REGION – 3 hours
A study of the character and adaptability of the regional population of Appalachia to historical and economic factors, with additional emphasis placed on economic, social, intellectual and political concepts.

308. HISTORY OF THE ANCIENT WESTERN WORLD, TO 395 A.D. - 3 hours
Mediterranean civilization, stressing Greece and Rome.

309. MEDIEVAL HISTORY, 325-1520 - 3 hours
European history from the First Council of Nicaea to the eve of the Protestant Reformation.

312. VIKING HISTORY – 3 hours
Examines Viking history from the raid at Lindisforne in 793 to the Battle of Stamford Bridge in 1066.

317. EARLY MODERN EUROPE, 1520-1798 - 3 hours
Traces the evolution of European society from the Reformation to the French Revolution.

318. THE LONG NINETEENTH CENTURY: EUROPE, 1798-1914 - 3 hours
Traces the social, cultural, economic and political history of Nineteenth Century Europe from the French Revolution to the First World War.

319. AN AGE OF EXTREMES: TWENTIETH CENTURY EUROPE, 1914-1989 - 3 hours
Traces the social, cultural, economic and political history of Twentieth Century Europe during a century of extremes.

331. HISTORY OF THE BRITISH ISLES TO 1688 - 3 hours
Examines the evolution of England, Scotland, Ireland and Wales from earliest times to 1688.

335. HISTORY OF THE BRITISH EMPIRE - 3 hours
The rise and fall of the British Empire, focusing primarily on the "Second British Empire."

337. MODERN GERMANY - 3 hours
German history from 1848-1989.

341. TWENTIETH CENTURY RUSSIA - 3 hours
Leninist and Stalinist features of the Soviet system, including an examination of events leading up to the Soviet state and events attendant to its demise. See POLS 341.

371. SOUTH AND SOUTHEAST ASIAN HISTORY – 3 hours
A survey of South and Southeast Asian history from ancient civilization to recent events.

373. EAST ASIAN HISTORY – 3 hours
A survey of East Asian history from ancient times to recent events.

380. HISTORY OF THE MIDDLE EAST - 3 hours
From Islamic society to the present; Islam, Ottoman Empire, and formation of modern states.

385. HISTORY OF AFRICA - 3 hours
Traditional Africa, Colonialism, Independence, and Contemporary Africa.

390. HISTORY OF LATIN AMERICA – 3 hours
A history of Latin America from Pre-Columbian civilizations, colonialism and independence to recent times.

401. The AMERICAN COLONIES AND THE NEW NATION, TO 1819 - 3 hours
The rise of the European nation-states and their American colonial empires with special emphasis on British North America. The causes and effects of the American Revolution and the evolution of the United States through 1819. Prerequisites: ENG 101 and ENG 102.

410. THE AMERICAN CIVIL WAR ERA, 1819-1876 - 3 hours
The North, the South, and slavery—the genesis of the attempted dissolution of the Union, the bloody struggle to preserve that Union, and the debate over how best to reconstruct it. Prerequisites: ENG 101 and ENG 102.

416. U.S. IN THE PROGRESSIVE ERA, 1876-1932 - 3 hours
Major political, economic and demographic transformations: Populism, Progressivism, industrialization, urbanization and race relations. Societal and institutional changes in the national experience of disillusioning world war, roaring prosperity to shattering economic depression. Prerequisites: ENG 101 and ENG 102.

418. THE RENAISSANCE AND THE REFORMATION - 3 hours
Examines the rise of civic humanism and changing ideas about religious thought in Europe. Prerequisites: ENG 101 and ENG 102.

419. THE HOLOCAUST IN HISTORY AND MEMORY - 3 hours
Origins, implementation and memory / commemoration of the Nazi Holocaust. Prerequisites: ENG 101 and ENG 102.

420. THE U.S. IN THE 20TH CENTURY, 1917-1945 - 3 hours
A second global conflict, the postwar years to the postmodern era. The struggle to combat global communism, the turmoil of the civil rights movement, the dissolution of the liberal consensus, the resurgence of conservatism to the present. Prerequisites: ENG 101 and ENG 102.

422. AFRICAN-AMERICAN HISTORY - 3 hours
History of Afro-Americans: civilizations of the Nile Valley and the Sudan; migration to America; slavery; emancipation and segregation; civil rights movement; modern history. Prerequisites: ENG 101 and ENG 102.

426. TWENTIETH CENTURY UNITED STATES FOREIGN POLICY - 3 hours
An analysis of historical factors influencing America's search for a new global role. See POLS 426. Prerequisites: ENG 101 and ENG 102.

431. FIELD HISTORY OF THE NORTHERN PANHANDLE - 3 hours
Experiential history. First hand examination of the Panhandle's role in state history. Emphasis on developments in transportation, industry, education, religion, architecture, the statehood movement and 19th century lifestyles. Prerequisites: ENG 101 and ENG 102.

432. HISTORY OF WHEELING - 3 hours
Evolution of Wheeling from earliest occupation; development of Wheeling. Virginia in the years before the Civil War, its emergence as the premier city of West Virginia in the late 19th century; and its 20th century decline. Prerequisites: ENG 101 and ENG 102.

436. HISTORY OF AMERICAN LABOR - 3 hours
The American worker from colonial times to the present; special stress on two periods of great crisis for organized labor: the late nineteenth century and the Depression. Prerequisites: ENG 101 and ENG 102.

441. AMERICAN CONSTITUTIONAL HISTORY - 3 hours
Growth of constitutional practice and interpretation in accordance with changes in politics, the economy, society, and values, from the beginnings of the Union to the present; attention to significant writings which have influenced constitutional development. See POLS 441. Prerequisites: ENG 101 and ENG 102.

442. HISTORY OF THE AMERICAN PRESIDENCY – 3 hours
This course examines U.S. presidents; the changing role of the presidency; the political, electoral and constitutional processes of presidential contests; and historical issues related to the presidency. A biographical and historical review of the presidents, their challenges and accomplishments is set against a background of U.S. history from 1788 to 2000, with special emphasis on key historical developments in which individual presidents affected the development of the office and the nation. Prerequisites: HIST 210, HIST 211, ENG 101,102.

444. NATIVE AMERICAN HISTORY – 3 hours
This course examines the history of Native American peoples in what is now the United States, with principal emphasis on the years 1607-1890 and the peoples of the Eastern Woodlands and the Great Plains. Topics include the Peoples, their interaction with European Americans; Indian confederations; Amer-Indian wars; peace arrangements; dislocation and resistance; economic and political motivations in U.S. westward expansion; and regional, economic, political and cultural aspects of Native American life and history. Prerequisites: HIST 210, HIST 211, ENG 101, 102.

450. WAR AND SOCIETY I - 3 hours
A global perspective of how war and society influence each other, from ancient civilizations to the Gunpowder Revolution. Prerequisites: ENG 101 and ENG 102.

451. ANCIENT AND MEDIEVAL GENDER - 3 hours
Charting gender through Ancient and Medieval European social, economic, political, and military change. Prerequisites: ENG 101, ENG 102 and Junior standing

455. WAR AND SOCIETY II - 3 hours
A global perspective of how war and society influence each other, from the Gunpowder Revolution to recent events. Prerequisites: ENG 101 and ENG 102.

457. NAVAL HISTORY - 3 hours
A global perspective of how sea power has influenced world history, including economic development, technological change and significant events. Prerequisites: ENG 101 and ENG 102.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of History. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson. Prerequisites: ENG 101 and ENG 102.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under various members of the faculty; may be offered at any time. Student requests require the approval of the instructor, department chairperson, and college dean. Prerequisites: ENG 101 and ENG 102.

480. HISTORIOGRAPHY - 3 hours
Introduction to methodology and research. Exposure to great historical syntheses, ideas and trends of European and American history. Prerequisites: junior or senior history majors.

481. HISTORY FIELD EXPERIENCE - 3 hours
Students conduct historical research at a local organization for 160 hours during the semester. Prerequisites: ENG 101, ENG 102. Junior standing or by permission of instructor.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

HONORS PROGRAM (HON)

378. HONORS SPECIAL TOPICS - 0-6 hours
A course category for selected special topics available primarily to students enrolled in the Honors Program and offered on a rotational basis across all academic schools. Enrollment is limited to 12 students. Prerequisite: Honors Program students or by permission of the instructor and Coordinator of the Honors Program.

399. HONORS MENTORING – 1 hour
Creative or research-oriented dialog, subject to be determined by the student and mentor. Membership in the Honors Program is required. Course may be repeated for credit.

498. HONORS PROJECT – 1-6 hours
Creative or research project culminating the Honors Program experience, subject to be determined by the student and Honors advisor. Membership in the Honors Program is required. Course may be repeated for credit.

499. HONORS SEMINAR – 1-3 hours
Subject to be determined by the instructor. Membership in the Honors Program or permission of the Honors Council is required. Course may be repeated for credit.

INTERDISCIPLINARY STUDIES

489. INTERDISCIPLINARY STUDIES SENIOR PROJECT - 8-12 hours
Independent senior projects developed by students in the Interdisciplinary Studies Degree Program in association with a faculty adviser and approval of the Interdisciplinary Studies Program Committee. Projects may extend over more than one semester with academic credit divided accordingly. Students may elect to receive either a letter grade or "K" credit.

LINGUISTICS (LING)

271. BASIC LATIN - 3 hours
Elements of Latin for students needing basic vocabulary and grammar for science and other professional interests.

285. INTRODUCTION TO SECOND LANGUAGE ACQUISITION - 3 hours
Theories of Second Language Acquisition, with a special focus on native language interference in adult learners.

315. SOCIOLINGUISTICS - 3 hours
Introduction to the principles of sociolinguistics.

MANAGEMENT (MGT)

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Management. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

350. PRINCIPLES OF MANAGEMENT - 3 hours
An intensive examination of the management discipline including historical perspective of management theory, social and ethical responsibility and functions of management involving planning, organizing, leading and controlling.

351. OPERATIONS MANAGEMENT - 3 hours
This course introduces students to various elements in the field of operations management. It covers the most common production and operations concepts utilized in today's production systems. Quantative techniques that help evaluate the management of the firm's operations and performance are covered. Prerequisite: MGT 350. Spring semester, odd numbered years.

352. LABOR MANAGEMENT RELATIONS - 3 hours
Study of the historical background, legislation, problems, collective bargaining techniques and current trends in the area of labor/management relations. Social, legal and economic viewpoints are considered. Prerequisite: MGT 350. Spring semester, even-numbered years.

353. SMALL BUSINESS MANAGEMENT - 3 hours
Principles and problems of organizing and operating a small business with special emphasis on entrepreneurial practices, personal qualifications, capital requirements, location, sources of assistance, and business plan development. Prerequisite: MGT 350.

354. EMPLOYMENT LAW - 3 hours
An examination of regulations of the individual employment relationship consisting of both statutory and common law. Topics covered include regulation of employment relationships, discrimination in the workplace, regulation of the employment environment and ethical decision-making. Prerequisite: MGT 350. Fall semester, even-numbered years.

355. HEALTH CARE LAW - 3 hours
Describes an examines the legal environments for-profit and non-profit settings, including health maintenance organizations (HMOs), hospitals, long-term care institutions, and free-standing ambulatory care centers. Analyzes the legal contours that diagnosis-related groups, as well as what managers need to know about federal and state responsibilities in implementing the Affordable Care Act. Prerequisites: MGT 350, GBUS 344, MKT 341.

470. SPORTS MANAGEMENT AND MARKETING – 3 hours
Supervised training and instruction in a sport or recreational organization. The student will be guided and evaluated by business faculty and an industry representative. Course is graded on a pass/fail basis. Junior/Senior standing and permission of the department chair.

471. SPORTS MANAGEMENT INTERNSHIP – 6 hours
Supervised on-the-job training and instruction in a sport or recreational organization. The student will be guided and evaluated by a business faculty member and an industry representative. Prerequisite: Senior status and approval of department chairperson.

474. ORGANIZATIONAL BEHAVIOR - 3 hours
Human relations problems in management situations; focus is on organizational behavior and the processes of motivation, leadership, perception, communication, and change. Prerequisite: MGT 350.

475. HUMAN RESOURCE MANAGEMENT - 3 hours
Policies and practices in personnel management, such as, job analysis, selection of employees, placement, training, compensation and benefits, employee services, and labor relations within the contemporary legal and ethical environment. Prerequisite: MGT 350.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Management. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson and college dean.

480. CURRENT ISSUES IN MANAGEMENT - 3 hours
In-depth analysis of selected topics which are of current significance to contemporary managers and administrators. Prerequisite: MGT 350. Spring semester, even-numbered years.

481. BANK MANAGEMENT - 3 hours
The specialized management of various banking operations. Examination of principles applicable to the various types of lending, investing, and operational activities in contemporary depository institutions. Prerequisites: MGT 350, ECON 101 or 102. Spring semester, even-numbered years.

484. LONG-TERM CARE INTERNSHIP - 6 hours
This course provides the opportunity to apply theoretical knowledge in the delivery of health care to seniors through an internship in an agency or institution serving older people. Internship sites include senior centers, nursing homes, adult day care centers, assisted and independent living facilities, or area agencies on aging. Course is graded on a pass/fail basis. Prerequisites: GERO 100, HS 370 and Junior/Senior standing and permission of the department chair.

485. HEALTH CARE INTERNSHIP - 3 hours
Supervised work experience in various aspects of administration and operation of health care and health programs. Provides the student with an opportunity to apply theory to practice and develop competencies through a work-related experience in a profit or not-for-profit health care organization. Course is graded on a pass/fail basis. Prerequisites: Junior/Senior standing and permission of the department chair.

490. MANAGEMENT INTERNSHIP - 3 hours
Allows students to engage practical and business-related activities in an off-campus professional work environment. Course is graded on a pass/fail basis. Junior/Senior standing and permission of the department chair.

495. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

496. SMALL BUSINESS INSTITUTE - 3 hours
An intensive field-oriented practicum in which student teams provide direct management counseling in assisting area small businesses address their particular problems and issues. Prerequisite: Senior status and consent of instructor.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

498. MANAGEMENT STRATEGY AND POLICY - 3 hours
Capstone course for business students covering decision-making at the executive level of the organization. Evaluation of mission, policy development, ethical behavior, strategy formulation and an analysis of the role of the executive in the organization. Lecture/discussion, case analysis and formal comprehensive group case presentations are primary methods of instruction. Prerequisites: Senior status, MKT 331, MGT 350, FIN 300 and ECON 101 or ECON 102.

MARKETING (MKT)

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Marketing. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

331. PRINCIPLES OF MARKETING - 3 hours
Principles and methods involved in the movement of goods and services from producers to consumers. Subject is approached from managerial, integrated, and analytical viewpoints.

332. PROFESSIONAL SELLING - 3 hours
Principles, methods, and ethics of professional selling with attention to development and demonstration of effective sales presentation techniques. Prerequisite: MKT 331 or permission of instructor.

334. RETAILING - 3 hours
Principles of successful retailing. Topics covered: the retail revolution; careers in retailing; the retail store; retail organization; buying, receiving, and pricing; sales promotion and customer services; retail control. Prerequisite: MKT 331. Fall semester, even-numbered years.

336. ADVERTISING - 3 hours
Basic functions of advertising and its role in the modern American economic and social life; history of advertising; study of advertising media; testing advertising effectiveness; advertising organization; government regulations and ethical conduct in advertising. Prerequisite: MKT 331 or permission of instructor.

338. BUSINESS TO BUSINESS MARKETING - 3 hours
Marketing of goods and services to businesses, government agencies, and institutions by other businesses. Market analysis, market strategy, sales force utilization, advertising, and purchasing. Prerequisite: MKT 331. Fall semester, odd-numbered years.

340. CONSUMER BEHAVIOR - 3 hours
Examines underlying economic, sociological, and psychological

factors which influence consumer behavior. Studies the impact of marketing activities on society, consumerism and legislation affecting the marketplace. Prerequisite: MKT 331.

341. INTEGRATED MARKETING COMMUNICATIONS - 3 hours
This course provides the student with the knowledge of developing a strategic promotional mix utilizing the combined marketing tools of advertising, professional selling, sales promotion and public relations. Prerequisite: MKT 331.

342. HEALTH CARE MARKETING AND MANAGEMENT - 3 hours
This course explores the principles of health-care marketing and the organizational settings that prevail in priimary, secondary, and long-term health-care environments. It begins with an overview of the evolution of health-care delivery organizations in the United States, and analyzes the management settings that shape health-care marketing. Case studies draw on marketing and management strategies used in for-profit and non-profit settings, including health-maintenance organization (HMOs), hospitals, long-term care institutions, and free-standing ambulatory care centers. Attention is also given to the business challenges that the health care industry faces when working with third-party insurers, Medicare, Medicaid and diagnosis-related groups. Prerequisites: MKT 331, MGT 350.

350. MARKETING IN THE HOSPITALITY INDUSTRY - 3 hours
The application of marketing concepts to the hospitality and travel industry, including understanding the needs of business and leisure travelers, industry trends, and technology, as well as using segmentation and positioning strategies, market research tools, and effective advertising and promotion to promote brand awareness and to generate sales. Prerequisite: MKT 331.

351. EVENT PLANNING FUNDAMENTALS - 3 hours
An introduction to the roles and responsibilities of the event planner, types of events, various tasks which planners must complete to create and deliver successful events, useful planning tools, and the importance of proper financial management, legal knowledge, and ethical practices. Students will utilize materials recommended for preparation for the Convention Industry Council's Certified Meeting Planner designation and are required to complete a shadowing experience or project relating to an actual event. Prerequisite: MKT 331.

400. PUBLIC RELATIONS AND SALES PROMOTION - 3 hours
Focus of the course is on effective marketing communication including how communications theory and public opinion understanding can be applied to strategic public relations planning and creation of persuasive messages. The course also covers Sales Promotion in the understanding of the customer purchase environment and in persuading consumers to take action in decision-making. Prerequisite: MKT 331. Spring semester, odd-numbered years.

401. DESTINATION MANAGEMENT AND MARKETING - 3 hours
A comprehensive study of the functions of contemporary tourism promotion, both domestic and international, covering how destination management organizations market their area to leisure travel, business travel, and meetings/conventions, as well as providing support services for relocation and business development. Relationships involving hosts and guests, suppliers and consumers are explored, along with the complex networking of residents, government officials, and organization leaders and employees. Prerequisite: MKT 331.

402. CONVENTION MANAGEMENT AND SERVICE - 3 hours
This course presents convention and meeting planning from the perspective of the hotel/conference center/convention center facility. Students will learn the functions of a hotel sales and marketing department and how to work with convention and visitors bureaus, meeting planners, and contracted service providers, as well as how to coordinate the details of a meeting or event from the idea stage to the post-event review. Prerequisite: MKT 331.

425. SOCIAL MEDIA MARKETING - 3 hours
Examines the process of electronically buying and selling goods, services and information using the Internet and its attendant technologies such as Twitter, Facebook, Tumblr, YouTube, and related media. This course includes electronic communication, collaboration and discovery of information that add value to the marketing of goods and services. Prerequisites: MKT 331, CIS 271.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Marketing. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

480. INTERNATIONAL MARKETING - 3 hours
Delivers the conceptual framework for understanding marketing across national borders. Provides key background about the cultural, economic, ethical, legal, and management components that drive selected global marketing strategies. Case studies explore segmentation, targeting, and positioning (STP) strategies as well as the global marketing mix across diverse marketing channels. student teams execute marketing plans for an on-line simulation game that sells, distributes, and manufactures consumer durable goods in an emerging region. Prerequisite: MKT 331.

485. MARKETING RESEARCH - 3 hours
Research methods and procedures used in the marketing process; particular emphasis is given to the sources of market data, sampling, preparation of questionnaires, collection and interpretation of data, and preparation of research reports. Prerequisites: MKT 331 and GBUS 280 and 322.

490. MARKETING INTERNSHIP - 3 hours
Allows students to engage practical marketing and business-related activities in an off-campus professional work environment. Course is graded on a pass/fail basis. Junior/Senior standing and permission of the department chair.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

498. MARKETING MANAGEMENT - 3 hours
Open to seniors only. An in-depth study of marketing theory and the decision making process required of marketing managers. Prerequisite: MKT 331.

MATHEMATICS (MATH)

046. FUNDAMENTALS OF ALGEBRA
A course intended to prepare the student for college level mathematics. Topics include operations with real numbers, polynomial arithmetic, factoring, algebraic fractions, solution of linear equations and inequalities, relations and functions with their graphs, introductory geometry, problem solving. The course does not count toward graduation and does not satisfy the General Studies Mathematics requirement. **The course is offered on a credit/no credit basis.**

102. THE NATURE OF MATHEMATICS - 3 hours
Investigation into the structure of Mathematics, the underlying unity of Mathematics, and the relation of Mathematics to the environment. Prerequisite: MATH 046 or clearing developmental math skills requirement.

106. MATHEMATICS FOR ELEMENTARY TEACHERS I - 4 hours
Problem solving; sets and set operations; functions; logic; systems of numeration real number system; algebra; math activities. Open only to students in Elementary Education or General Mathematics 5-9. Prerequisites: MATH 140 or 145.

107. MATHEMATICS FOR ELEMENTARY TEACHERS II - 4 hours
Informal geometry of two and three dimensions; motions and coordinate geometry; measurement; probability and statistics; math activities. Open only to students in Elementary Education or General Mathematics 5-9. Prerequisite: MATH 106.

140. COLLEGE ALGEBRA - 3 hours
Topics in intermediate and college algebra with business applications. Prerequisite: MATH 046 or clearing developmental math skills requirement.

141. TRIGONOMETRY - 2 hours
Circular and trigonometric functions; inverse functions; fundamental identities; complex numbers; trigonometric equations; and applications. Prerequisites: 2 units of high school algebra; 1 unit of high school geometry.

145. PRECALCULUS ALGEBRA - 3 hours
Relations and functions; matrices and determinants; theory of equations; inequalities; induction; binomial theorem; sequences. Prerequisites: MATH 140 or Math ACT 20 or SAT equivalent.

160. INTRODUCTION TO STATISTICS - 3 hours
An introduction to sampling techniques, descriptive statistics, elementary probability theory, random variables, the binomial and normal distributions, sampling distributions, and statistical inference. Emphasis on using appropriate technology to perform statistical calculations and generate statistical plots. Prerequisite: MATH 046 or clearing developmental math skills requirement.

171. INTRODUCTION TO COMPUTER PROGRAMMING - 1 hour
An in-depth computer programming using a modern programming language. Topics include primitive date types, expressions, precedence rules, stream I/O, control structures, functions, and one-dimensional arrays. Emphasis on structured programming.

175. COMPUTER PROGRAMMING FOR THE SCIENCES - 3 hours
An in-depth study of computer programming using a modern programming language. Topics include primitive data types, stream and file I/O, Boolean expressions, control structures, functions, function overloading, recursion, multidimensional arrays, strings, and an introduction to dynamic memory management. Emphasis on procedural-oriented programming. Prerequisites: Content knowledge of MATH 140 or MATH 145.

177. MODERN PROGRAMMING METHODS - 3 hours
An introduction to object-oriented programming using a modern programming language. Topics include classes, operator overloading, inheritance, polymorphism, virtual functions, pointers, dynamic arrays, generic programming, and an introduction to linked data structures. Emphasis on designing flexible classes and code reuse. Prerequisites: MATH 175 or equivalent.

210. CALCULUS AND ANALYTIC GEOMETRY I - 5 hours
Review of functions and graphs; limits; derivative and application; integral theory; exponential and logarithmic functions. Prerequisite: Completion of MATH 145 or MATH ACT 24 or SAT equivalent.

211. CALCULUS AND ANALYTIC GEOMETRY II - 4 hours
Derivatives of trigonometric, inverse trigonometric, exponential, and logarithmic functions; integration techniques and applications; sequence and series; vectors and vector spaces over the reals; partial differentiation and multiple integration in various coordinate systems. Prerequisite: MATH 210.

212. CALCULUS AND ANALYTIC GEOMETRY III - 4 hours
A continuation of MATH 211. Prerequisite: MATH 211.

264. MANIPULATIVES IN MATHEMATICS - 2 hours
An introduction to using manipulatives for teaching topics in mathematics. Emphasis will be placed on diagnosing error patterns in computational skills and planning alternative instruction for the purpose of remediation. Prerequisites: MATH 145 or 210 .

278. SPECIAL TOPICS IN MATHEMATICS - 1-3 hours
A special course category for contemporary topics in the general field of mathematics and computer science. Students should consult the schedule to ascertain what topics are currently being presented and are further encouraged to recommend topical items to the department chairperson.

280. MATHEMATICS SEMINAR - 1 hour
Mathematics course focusing on mathematical research skills and quantitative literacy. Intended for second year B.S. mathematics students to serve as a bridge to higher mathematics and research. Open to B.A. mathematics and 5-Adult majors. Prerequisites: MATH 210 and MATH 373.

309. CALCULUS AND GEOMETRY FOR GENERAL MATHEMATICS 5-9 – 3 hours
A course designed to introduce the preservice middle school mathematics teacher to the concepts of calculus and geometry as they relate to the mathematical topics taught in the middle school. Prerequisites: MATH 107, 145.

327. HISTORY OF MATHEMATICS - 3 hours
A development of mathematics from ancient times through the 17th century, with emphasis on techniques and theories of each period. Certain topics will be extended to the 20th century. Prerequisite: MATH 210 or 309.

334. GEOMETRY - 3 hours
Concepts of Euclidean geometry; congruence; similarity; measure; coordinate geometry; role of axiom systems in Euclidean geometry, introduction to non-Euclidean geometry. Prerequisite: MATH 210 or 309.

341. LINEAR ALGEBRA - 3 hours
An in-depth study of vector and matrix algebra and its application to systems of linear equations, linear spaces, linear mappings, and inner product spaces. Prerequisites: MATH 210 and 373.

349. NUMBER THEORY - 3 hours
Divisibility; Euclidean algorithm; primes; congruences; famous theorems; Diophantine equations; numerical functions. Prerequisite: MATH 373.

373. FINITE MATHEMATICS - 3 hours
Introduction to linear algebra, linear programming, mathematics of finance, counting techniques, probability, and elementary logic. Prerequisites: Completion of MATH 145 or Math ACT 24 or SAT equivalent.

374. DISCRETE MATHEMATICS - 3 hours
A study of logic and mathematical reasoning, mathematical induction, recursion, advanced counting techniques, graphs, and trees. Emphasis on algorithm development and implementation. Prerequisites: Prerequisite MATH 373. Co-requisite: MATH 175.

375. APPLIED DIFFERENTIAL EQUATIONS - 3 hours
A study of the basic methods for solving ordinary differential equations and their applications in science, engineering, and other fields. Prerequisites: MATH 175 and MATH 212 or BIS 340.

377. OPTIMIZATION METHODS - 3 hours
A study of the optimization techniques commonly used in science, engineering, and business. Topics include linear programming and the simplex method, network analysis and the CPM/PERT methods, queuing theory, simulation, and related applications. Prerequisites: MATH 211 and MATH 175 or equivalent.

410. REAL VARIABLES - 3 hours
An in-depth study of the properties of the real number system and functions of a single variable. Topics include a formal treatment of the completeness axiom, sequences, limits, continuity, differentiation, integration, and topological properties of the real line and Euclidean spaces. Prerequisite: MATH 211 and 374.

445. ABSTRACT ALGEBRA - 3 hours
An introduction to groups, rings, integral domains, and fields. Emphasis on the axiomatic method, proofs, and equivalences induced by various mappings. Prerequisites: MATH 211 and MATH 374.

464. PROBABILITY AND STATISTICS - 3 hours
A study of random variables, probability distributions, statistical inference, linear regression, correlation analysis, and their applications. Prerequisites: MATH 211 and 373.

475. NUMERICAL ANALYSIS - 3 hours
A study of numerical methods for finding roots of functions, interpolating functions, differentiating functions, integrating functions, solving systems of linear equations, and approximating functions. Prerequisites: MATH 211 and MATH 175.

478. SPECIAL TOPICS IN MATHEMATICS - 1-3 hours
A special course category for contemporary topics in the general field of mathematics and computer science. Students should consult the schedule to ascertain what topics are currently being presented, and are further encouraged to recommend topical items to the department chairman. Prerequisite: Permission of the instructor.

479. SPECIAL PROBLEMS - INDEPENDENT RESEARCH STUDIES - 1-3 hours
Independent research, or special studies under the guidance of a departmental committee, to familiarize the superior student with the techniques of scientific and mathematical research and development. Each student will present, for approval, a prospectus on the research or problem to be conducted prior to the actual investigation. At the conclusion of the investigation a formal paper will be presented in seminar, with the final grade in the course being assigned by the student's committee. Permission of the department chairperson.

480. MATHEMATICS CAPSTONE - 1 hour
Mathematics course focusing on individual student projects involving reading, writing, and presentation skills. Intended for upper level students in all mathematics programs. Permission of instructor. Junior or senior status.

481. MATHEMATICS CAPSTONE- 1 hour
Mathematics course focusing on group and individual projects to encompass multiple aspects of mathematics learned throughout the specialization courses. Students will showcase reading, writing, research, and presentation skills. Intended for Math (5-9) specialization students only. Prerequisites: MATH 309 and MATH 373.

MEDICAL LABORATORY SCIENCE (CLS)

210. INTRODUCTION TO CLINICAL LABORATORY SCIENCE - 2 hours
Introduces the student to the profession of Medical Laboratory Science including basic responsibilities as part of the health care system, as well as medical terminology, basic clinical laboratory techniques and calculations.

250. MEDICAL BIO-ORGANIC CHEMISTRY - 3 hours
This course is a study of the basic principles of organic and biological chemistry as they relate to clinical medicine. Topics include structure, nomenclature and basic reactions of organic compounds that are important in biological macromolecules and metabolism. The importance of these compounds in human health and disease will also be discussed. Prerequisites; CHEM 110, 111, 112, 113, BIO 124, 125.

300. CLINICAL HEMATOLOGY I - 4 hours
A study of maturation, structure, and function of blood cells and the procedures used in the clinical laboratory to diagnose disease. Includes the study of the hematopoietic and hemostatic systems and the diagnosis of disorders of these systems. Prerequisites: Admission to the MLS program or permission of instructor. Concurrent with CLS 301.

301. CLINICAL HEMATOLOGY LABORATORY - 1 hour
Laboratory exercises representative of diagnostic tests performed in hematology and coagulation. Prerequisites: Admission to the MLS program or permission of instructor. Concurrent with CLS 300.

302. CLINICAL HEMATOLOGY II - 3 hours
A continuation of Clinical Hematology I and Laboratory (CLS 300/301). Students will study the hematopoietic systems and the laboratory methods used to evaluate and diagnose diseases of these systems. Prerequisite: CLS 300, 301.

320. ANALYSIS OF BODY FLUIDS - 2 hours
A study of the physical, chemical, and microscopic examination of urine and other body fluids and how these findings relate to diseased states. Prerequisite: Admission to MLS Program.

321. URINALYSIS AND BODY FLUID LABORATORY- 1 hour
A one-hour laboratory course to supplement CLS 320 Analysis of Body Fluids. Concurrent with CLS 320. Prerequisite: admission to the MLS Program

340. CLINICAL BIOCHEMISTRY I - 3 hours
A study of human biochemistry and associated clinical laboratory procedures, including the principles of testing methodology and instruments used to perform analyses. Prerequisites: CHEM 110, 111, 112, 113, CLS 250. Concurrent with CLS 341.

341. CLINICAL BIOCHEMISTRY I LABORATORY - 1 hour
Laboratory exercises performing representative clinical biochemistry determinations. Analytical techniques and use of instrumentation are emphasized. Concurrent with CLS 340.

342. CLINICAL BIOCHEMISTRY II - 3 hours
A continuation of the study of human biochemistry and the principles of laboratory testing and instrumentation used in clinical biochemistry. Prerequisites: CLS 340, 341.

360. CLINICAL MICRO I - 3 hours
A comprehensive study of the biochemistry and physiology of bacteria common to man and their related disease processes. Prerequisites: Admission to Medical Laboratory Science program or permission of Instructor; concurrent with CLS 361.

361. CLINICAL MICROBIOLOGY I LABORATORY - 2 hours
Clinical laboratory methods of cultivation and identification of bacteria common to man. Prerequisites: Admission to Medical Laboratory Science program or permission of instructor; concurrent with CLS 360.

372. CLINICAL MICROBIOLOGY II - 3 hours
A continuation of CLS 360 covering microorganisms not discussed in CLS 360, including some bacteria, parasites, fungi, and viruses. The laboratory techniques used to culture and identify microorganisms isolated from common body sites will be reviewed. Prerequisites: CLS 360/361.

375. IMMUNOHEMATOLOGY - 3 hours
A study of the principles of immunology as related to human blood group antigens and antibodies, including blood banking and serodiagnostic procedures. Prerequisites: CLS 380, concurrent with CLS 376.

376. IMMUNOHEMATOLOGY LABORATORY - 1 hour
An orientation to procedures and principles used in blood banking, including methods used in blood group antigen and antibody identification and compatibility testing. Prerequisites: CLS 380, concurrent with CLS 375.

380. CLINICAL IMMUNOLOGY AND SEROLOGY – 3 hours
Study of basic immunology and the body's immune response in health and disease. Relates principles of immunology to major immunologic diseases and disorders with emphasis on the clinical diagnostic procedures. Fall term. Prerequisites: Admission to Medical Laboratory Science program or permission of instructor.

400. CLS COMPREHENSIVE REVIEW - 3 hours
This is a capstone course for senior MLS students and will involve correlating clinical laboratory data from the various clinical disciplines via review and examinations.

411. CLINICAL HEMATOLOGY AND COAGULATION - 2 hours
Training and experience in clinical hematology and coagulation procedures, including instrumentation. Prerequisites: CLS 300, 301, 302.

420. CLINICAL LABORATORY MANAGEMENT – 2 hours
A study of the principles and practice of supervision and administration specifically related to medical laboratory science. Prerequisite: Enrollment in the senior year of the MLS program.

441. ADVANCED CLINICAL BIOCHEMISTRY LABORATORY - 4 hours
Training and experience in clinical biochemistry procedures, including instrumentation. Prerequisites: Senior MLS student, CLS 340, 341, 342.

430. CLINICAL PARASITOLOGY AND MYCOLOGY - 1 hour
This course discusses the basic laboratory procedures used to isolate/identify clinically significant human parasites and fungi. Prerequisites: Senior MLS student, CLS 360, 361, 372 or permission of the instructor.

450. SENIOR SEMINAR - 3 hours
A seminar course designed to introduce students to current issues in MLS through in-service presentations, reading and presenting scientific papers. The course will also serve as a forum for preparing students for the national certification examination. Prerequisites: Senior MLS status.

455. QUALITY CONTROL AND RESEARCH METHODS - 2 hours
A study of statistical methods as applied to quality control and research methods in the clinical laboratory sciences. Prerequisites: student must be enrolled in senior year of Medical Laboratory Science program.

461. ADVANCED CLINICAL MICROBIOLOGY LABORATORY - 3 hours
Training and experience in clinical microbiology laboratory procedures, including bacteria, anaerobes, mycobacteria, yeasts and fungi from human sources. Prerequisites: Senior Medical Laboratory Science students; CLS 360, 361, 372.

470. CASE STUDIES - 3 hours
This course is designed to provide senior MLS students experience in interpreting and presenting medical/clinical laboratory data to diagnose disease. The case study approach aids students in developing critical thinking skills and serves as a review for the national certification examinations.

471. ADVANCED IMMUNOHEMATOLOGY LABORATORY - 2 hours
Training and experience in immunohematology procedures including methods of antibody identification and preparation and administration of blood components. Prerequisites: Must be enrolled in senior year of Medical Laboratory Science program; CLS 375, 376.

472. MEDICAL MICROBIOLOGY AND EPIDEMIOLOGY - 3 hours
This course is intended for any student who is interested in clinical and medical microbiology. Microorganisms of medical interest are studied with respect to diseases they cause and the host factors that contribute to the disease process and recovery. In addition, the factors that contribute to the spread of disease through a population will be studied as well as the tools to track and control their spread. Prerequisite: A general microbiology course.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the field of Medical Laboratory Science. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged recommending topics to the Program Director.

481. ADVANCED CLINICAL IMMUNOLOGY LABORATORY- 1 hour
Training and experience in immunologic procedures, including ininstrumentation. Prerequisites: Must be enrolled in senior year of Medical Laboratory Science program.

490. INDEPENDENT RESEARCH STUDIES IN MEDICAL LABORATORY SCIENCE - 3 hours
Independent studies under the guidance of the Medical Laboratory Science faculty to familiarize the student with the techniques of scientific research. Students will perform an extensive literature search, write a research paper and make a formal presentation.

MUSIC (MUS)

102. MUSICIANSHIP 4 hours
An introductory course emphasizing active student participation in aural and visual identification, performance and manipulation of basic musical concepts. Additional study will include keyboard awareness and a survey of major musical style periods and traditions. This course meets five days per week with a mixture of lecture, hands-on skill building, performance, and laboratory-style instruction.

103. EAR TRAINING I - 2 hours
Development and coordination of visual, oral, aural, and writing skills in rhythmic, melodic and harmonic patterns. Melodic and rhythmic performance, sight reading, dictation, and improvisation. Prerequisite: MUS 102.

104. EAR TRAINING II - 1 hour
Continuation of MUS 103. Prerequisite: Must pass MUS 103 with a grade of "C" or better.

113. MUSIC THEORY I - 2 hours
Basic counterpoint. Functional diatonic harmony primarily in the common-practice period. Introduction to tonal syntax. Principles of voice-leading. Primary triads in root position. Part-writing, melodic writing, score analysis, and aural analysis. Prerequisite: MUS 102.

114. MUSIC THEORY II - 3 hours
Further study of functional distonic harmony primarily in the common-practice period: non-harmonic tones; diatonic triads in inversion; the dominant seventh chord in root position and inversion; secondary triads. Musical hierarchy. Cadences and phrases. Part-writing, melodic writing, score analysis, and aural analysis. Prerequisite: Must pass MUS 113 with a grade of "C" or better.

130. APPRECIATION OF MUSIC - 3 hours
An introductory course in music featuring significant musical compositions of various styles and musical periods. Composers of note in Western music from the Baroque, Classical, Romantic and the 20th century will be studied as a basis for intelligent listening habits for life-long appreciation. Additional study in global music will be presented for a more multicultural view of the art of music and its place in man's culture in the world today. Assigned listening and concert attendance. Meets three times per week.

132. JAZZ APPRECIATION - 3 hours
An introductory course in music that explores the history and tradition of American jazz music. Areas of focus in this listening-based course include the characteristics of jazz music, significant jazz performers and significant jazz compositions. Special attention will be paid to the African-American and Creole roots of jazz to present a multicultural viewpoint of the art form. Prerequisites: None.

152. FUNDAMENTALS OF VOICE FOR INSTRUMENTAL EMPHASIS - 2 hours
Basic elements of vocal technique; practical experience in singing on the beginning level.

153. FUNDAMENTALS OF VOICE FOR CHORAL EMPHASIS - 2 hours
The study of elements of vocal technique and pedagogy. Introduction to Italian, German and French diction and the International Phonetic Alphabet.

164. FUNDAMENTALS OF PIANO I - 1 hour
Basic elements of piano technique; practical experience in piano playing on the beginning level.

165. FUNDAMENTALS OF PIANO II - 1 hour
Continued work on piano technique; practical experience in piano playing. Prerequisite: MUS 164.

168. FUNDAMENTALS OF PIANO III - 1 hour
Continued work on piano technique; practical experience with view to keyboard skills. Complete diatonic harmony. Prerequisite: MUS 165 or permission by instructor.

169. FUNDAMENTALS OF PIANO IV - 1 hour
Continued work on piano technique; practical experience with view to keyboard skills. Application of chromatic harmony; instrumental and choral score reading. Prerequisite: Music 168 or permission by instructor.

203. EAR TRAINING III - 2 hours
Continuation of 104. Prerequisite: Must pass MUS 104 with a "C" or better.

204. EAR TRAINING IV - 1 hour
Continuation of MUS 203. Prerequisite: Must pass MUS 203 with a "C" or better.

213. MUSIC THEORY III - 2 hours
Further study of functional diatonic harmony primarily in the common-practice period: diatonic seventh chords: sequences. Study of small formal units: cadences, phrases, and periods. Study of chromaticism in tonal music: secondary function; modal mixture; chromatic pre-dominants. Techniques of modulation. Part-writing, melodic writing, score analysis, and aural analysis. Prerequisite: Must pass MUS 114 with a "C" or better.

214. MUSIC THEORY IV - 3 hours
Analysis of musical units on all levels of hierarchy (e.g., motive, idea, phrase, period, section, movement). Study of substantial musical movements from the 18th and 19th centuries. Application of structural principles in Form from 18th and 19th century compositions: Small forms (e.g., binary, ternary), sectional forms (e.g.,rondo variation), and developmental forms (e.g., sonata). Introduction to post-tonal techniques. Score analysis and aural analysis. Prerequisite: Must pass MUS 213 with a "C" or better.

218. COMPOSITION - 2 hours
Private lessons and seminars; creative writing and discussion of pieces in contemporary idioms. May be re-elected as 219, 318, 319, and 418 for up to ten semester hours of credit. Prerequisites: MUS 104 and 114.

246. INTRODUCTION TO MUSIC TECHNOLOGY - 3 hours
Computer basics, notation, basic MIDI, digital audio, productivity software, computer-aided instruction. MUS 246 substitutes for EDUC 290.

247. ADVANCED COMPUTER NOTATION - 3 hours
Advanced techniques for software-based music engraving. Prerequisite MUS 246.

252. FUNDAMENTALS OF BRASS INSTRUMENTS - 2 hours
Practical experience in playing instruments of the brass family; teaching techniques for public school music programs; theory and acoustical considerations for each brass instrument. Meets three times per week.

253. FUNDAMENTALS OF PERCUSSION INSTRUMENTS - 2 hours
Introduction to snare drum, timpani, mallets and multiple percussion. Grips and sticking systems. Notational problems and interpretation. Field percussion. Meets three times per week.

254. FUNDAMENTALS OF STRING INSTRUMENTS - 2 hours
Practical experience in playing violin, viola, cello, and double bass; methods and materials for class and private instruction. Meets three times per week.

255. FUNDAMENTALS OF WOODWIND INSTRUMENTS - 2 hours
Practical experience in playing woodwind instruments; methods and materials for class and private instruction; woodwind literature for use in the public schools. Meets three times per week.

256. GUITAR FOR THE CLASSROOM TEACHER - 2 hours
Basic techniques of playing the guitar and the functional application of these techniques to enable the student to use the guitar as an accompaniment and as a tool for the teaching of music. Survey of appropriate material for classroom use. Meets three times per week.

257. BAND INSTRUMENT REPAIR - 1 hour
A working laboratory in which students learn techniques and procedures for repairing and maintaining the most common wind band instruments.

261. SMALL CHORAL ORGANIZATION - 1-2 hours
Ensembles of less than 18 performers. Open to all students of the university. Audition may be required.

263. SMALL INSTRUMENTAL ORGANIZATION - 1-2 hours
Ensembles of less than 18 performers. Open to all students of the university. Audition may be required.

264. INSTRUMENTAL ORGANIZATION - 1-2 hours
Ensembles of at least 18 performers. Open to all students of the university. Audition may be required.

265. CHORAL ORGANIZATION - 1-2 hours
Ensembles of at least 18 performers. Open to all students of the university. Audition may be required.

276. FUNDAMENTALS OF CLASSICAL GUITAR - 2 hours
Basic techniques and fundamentals, practical experience in playing the classical guitar, methods and materials for private and class instruction. Meets three times per week.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of music. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

287. RECORDING TECHNIQUES I - 3 hours
Covers studio and live recording techniques. ProTools HD, studio construction, microphones, acoustics, analog vs. digital, etc.

288. RECORDING TECHNIQUES II - 3 hours
Advanced recording techniques and independent projects. More emphasis on “post production,” including digital signal processing and syncing sound to video. Prerequisite: Music 287.

315. FORM AND ANALYSIS - 2 hours
Principles of repetition, variation, emotional contour, the application of structural principles in form of 18th and 19th century compositions. Analytical projects. Prerequisite: MUS 214.

330. HISTORY OF MUSIC I - 3 hours
The development of music up to the period of Bach and Handel. Prerequisite: MUS 113.

331. HISTORY OF MUSIC II - 3 hours
The development of music from the period of Bach and Handel to the present. Prerequisite: MUS 113.

333. CONTEMPORARY MUSIC - 2 hours
History, development and practices of music since 1920.

335. JAZZ - 2 hours
Origins, development, and practices of jazz. Emphasis upon listening to both historical and contemporary recordings.

337. MUSIC IN AMERICAN SOCIETY - 3 hours
Vernacular and cultured traditions of American music from colonial times to the present.

340. BASIC ELEMENTS OF CONDUCTING - 2 hours
Principles of conducting and score reading; the conductor’s preparation, rehearsal techniques and procedures, basic patterns and gestures such as dynamics, phrasing and cueing, score terminology, transposing instruments. Using the students of the class as a laboratory group, students will prepare and conduct assigned works and exercises. While the emphasis will be on the practical aspects of the discipline of the physical gesture, with and without baton, students will also be tested on score terminology and will arrange a chorale for the instruments available and conduct it. Prerequisites: MUS 104 and MUS 114. Co-requisite: Participation in a conducted West Liberty ensemble. Meets three times per week.

344. CHORAL AND INSTRUMENTAL CONDUCTING AND ARRANGING - 2 hours
A continuation of MUS 340, adding the conducting of mixed and odd meters to the repertoire of practical exercises, as well as working to develop the potential of the left hand to communicate expressive elements. Continued work in score study and analysis, score terminology, as well as drills in error detection. Continued work in the area of choral and/or instrumental arranging. Program planning. Using the students of the class as a laboratory group, the students will prepare, rehearse and conduct assigned works and exercises as well as original arrangements. Continued emphasis on the physical gesture and rehearsal techniques. Prerequisite: MUS 340. Co-requisite: Participation in a conducted West Liberty ensemble in the student’s area of emphasis (instrumental or choral). Meets three times per week.

351. MUSIC SKILLS AND METHODS FOR ELEMENTARY TEACHERS - 3 hours
A review of music fundamentals and the development of competencies for elementary education majors in the procedures and methodology of integrating music in the general classroom. No prerequisite.

357. ITALIAN, FRENCH AND GERMAN DICTION - 2 hours
The study of singing diction and rules of pronunciation of Italian, German and French song/opera literature. Includes advanced study of the International Phonetic Alphabet. Prerequisite MUS 153.

364. INSTRUMENTAL ORGANIZATION - 1-2 hours
Principal instrumental ensembles of at least 18 performers. Open to all students of the university. Audition may be required.

365. CHORAL ORGANIZATION - 1-2 hours
Choral ensembles of at least 18 performers. Open to all students of the university. Audition may be required.

373. ACCOMPANYING LABORATORY - 1 hour
Practical experience in accompanying vocal and instrumental soloists. Emphasis will be given to stylistic interpretations and techniques. Required of all keyboard majors, and may be repeated for credit. Prerequisite: 181 level in piano.

374. ACCOMPANYING PRACTICUM - 1 hour
Supervised experience accompanying solos and/or ensembles, culminating in public performance. May be repeated for credit. Prerequisite, or, with the instructor’s permission, co-requisite: either MUS 373 or 389.

375. FUNCTIONAL KEYBOARD - 2 hours
Improvisation, keyboard harmony, and piano techniques adapted for keyboard use in the classroom. Prerequisite: Piano 172. Meets three times per week.

383. VOCAL LITERATURE – 3 hours
Then study of vocal and operatic literature from the Baroque era to the present day. Prerequisite: Upper Division Qualified.

385. INSTRUMENTAL LITERATURE - 3 hours
Intensive survey course focusing on significant instrumental literature from the student's major performance area (winds, brass, or percussion.) Prerequisite: successful completion of Upper Division Qualification.

387. ELECTRONIC MUSIC I - 3 hours
History of electronic music (popular and "art" music), MIDI sequencing, sound design, electronic music production, composition, and synthesis techniques using Digital Audio Workstation software. Prerequisite: MUS 287.

388. ELECTRONIC MUSIC II - 3 hours
Continued study of electronic music via listening assignments, technical projects, and creative projects. Focus will be given to sampling techniques, interactive live performances, audio installations, and other multimedia works. Prerequisite: MUS 387.

389. CHURCH SERVICE PLAYING - 3 hours
Hymn playing and chant accompaniments; directing from the organ console; improvising modulations, interludes, and transposition. Oriented towards passing the AGO Service Playing Certificate. Prerequisites: MUS 340 and the 382 level in organ.

391. PIANO LITERATURE I - 3 hours
Intensive survey course focusing on significant piano literature from the 17th and 18th centuries. Prerequisite: successful completion of Upper Division Qualification.

392. PIANO LITERATURE II - 3 hours
Intensive survey course focusing on significant piano literature from the 19th and 20th centuries.
Prerequisite: successful completion of MUS 391 or permission of the instructor.

440. CHORAL TECHNIQUES AND LITERATURE * - 3 hours
Diction, balance, blend, and correct tone production; examination of representative choral works of major composers covering a wide variety of musical styles. Prerequisite: MUS 340.

441. INSTRUMENTAL TECHNIQUES AND LITERATURE * - 3 hours
Philosophy, pedagogy, repertoire, and techniques for the high school instrumental program including concert, marching, and jazz band settings. Completion of partial corps-style marching show; examination and analysis of significant repertoire for the wind band; techniques for the developing jazz ensemble including basic improvisation pedagogy, rhythm section, style, rehearsal and performance considerations. Prerequisite: MUS 340.

451. MUSIC IN THE ELEMENTARY SCHOOL - 3 hours
Problems and psychology of teaching music in the elementary school, K-6. Principles of administration and classroom organization, management and instructional techniques, both traditional and innovative. Minimum grad of "C" required. Open only to music majors. Prerequisites: EDUC 100, MUS 114.

453. MUSIC IN THE SECONDARY SCHOOL - 3 hours
General principles underlying music instruction and classroom management in the secondary school; philosophy, curriculum, organization, and administration. Minimum grade of "C" required. Open only to music majors. Student must have passed all three Praxis I Tests (PPST). Includes 12 hours of field experience. Prerequisites: EDUC 100, MUS 214, 340.

461. SEMINAR FOR THE PROFESSIONAL MUSICIAN - 1 hour
Seminar for music majors regarding professional etiquette and preparing for life as a professional musician.
Prerequisite: Senior standing.

464. VOCAL PEDAGOGY – 3 hours
The study of pedagogical principles of teaching voice. Prerequisite: successful completion of Upper Division Qualification and permission of instructor.

466. INSTRUMENTAL PEDAGOGY - 3 hours
The course is an examination of the pedagogical techniques and materials relevant to private instrumental (winds, brass, or percussion) instruction involving students of all ages and levels of study. Prerequisite: successful completion of Upper Division Qualification.

468. PIANO PEDAGOGY - 3 hours
The course is an examination of the pedagogical techniques and materials relevant to private piano instruction involving students of all ages and levels of study. Prerequisite: successful completion of Upper Division Qualification.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of music. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and school dean.

487. MUSIC TECHNOLOGY PRACTICUM – 1-2 hours
Application of practical skills in Music Technology including the following types of independent projects: Audio Recording, Audio Editing, CD Production, Music Laboratory Maintenance, Equipment Maintenance, Live Sound. Can be repeated for credit up to 4 credits. Prerequisite MUS 387.

489. INTERDISCIPLINARY SENIOR PROJECT – 1-12 hours
Field experience in some area of music retailing, music marketing, management of music stores, studios, musical organizations, or combination thereof. Each semester hour of credit represents about 45 hours of work, including writing reports and conferences with both field and campus supervisors. Students may elect to receive either a letter or K credit. Internships may extend over more than one semester with academic credit divided accordingly.

490. SENIOR PROJECT IN MUSIC TECHNOLOGY - 6 hours
Capstone experience for Music Technology majors. Student will design, organize, and implement a large-scale music technology project. Project must be approved by a committee of music faculty.
Prerequisite: Senior Standing.

491. MUSIC EDUCATION WORKSHOP - 1-3 hours
An activity course based upon the specific needs, interests, and problems of the participants.

493. SENIOR RECITAL – 1 hour
Capstone solo performance experience on a student's major instrument or voice. Prerequisite: permission of private instructor.

***NOTE:** Students must enroll in an appropriate choral or instrumental organization while taking conducting and choral or instrumental techniques courses.*

APPLIED MUSIC INSTRUCTION
Private (applied) instruction is available in the following areas (other areas by arrangement):
• BRASS - Trumpet, Horn, Trombone, Euphonium, & Tuba;
• WOODWIND - Flute, Oboe, Bassoon, Clarinet, & Saxophone;
• PERCUSSION;
• KEYBOARD – Piano & Organ;
• GUITAR;
• VOICE.

081 – 1 hour; 082 – 1-2 hours. Foundations-level private study. May be repeated.

171, 172, 271, 272 – 1 hour. Applied Music Instruction for: 1) Music majors in an area other than the student's major area of private study. May be offered in a private and/or classroom setting. 2) Non-music majors. May be repeated for credit.

181, 182, 281, 282, 381, 382, 481, 482 – 1-4 hours. University level applied private study. May be repeated for credit.

Performing Organizations
MUS 261, 263, 264, 265, 364, 365 — The Music Department maintains a wide selection of large and small, principal and secondary, instrumental and choral performing organizations. These organizations includes:
Concert Choir; University Chorus; Madrigal Choir; Opera and Musical Theatre Workshops;
Wind Ensemble; Jazz Ensemble; Brass, Woodwind, Percussion, and Guitar Ensembles; Marching Band; and Pep Band.

Membership in performing organizations is open to all qualified (often by audition only) university students, and carries up to two hours of academic credit for each semester of participation. Members of performing organizations are required to appear in all performances, which the group presents.

NURSING (NUR)

200. INTRODUCTION TO NURSING - 2 hours
Introduces nursing, its past, present, and future and the philosophical and conceptual bases of the nursing program at West Liberty University. Explores the concepts of personhood and health. Prerequisite: Admission to Nursing Program. Co-requisite: NUR 201. Minimum grade "C."

201. CLINICAL NURSING: PERSONHOOD AND HEALTH - 2 hours
Clinical application of concepts and principles related to personhood and health across the life span with emphasis on self-awareness and the life meanings and experiences of the well elderly. Basic nursing techniques and medical terminology are introduced. This course requires six contact hours weekly. Prerequisites: admission to the nursing program; Pre- or co-requisites: HS 101, BIO 212, NUR 200, NUR 270, ENG 101; minimum grade "C."

202. INTRODUCTION TO PROFESSIONAL NURSING - 2 hours
Introduces students planning to enter the nursing program to the health care team and how members function within the health care system. The focus of the course is on understanding the role of the professional nurse and established professional standards of practice. Successful completion of this course is required for admission into the nursing program.

203. MEDICAL TERMINOLOGY - 1 hour
Provides students planning to enter the nursing program a firm foundation in medical terminology and its application. The focus is on terms associated with body systems, disease processes, diagnostic tests, and clinical procedures used in health care. Successful completion of this course is required for admission into the nursing program.

210. CONCEPTS FUNDAMENTAL TO NURSING PRACTICE - 3 hours
Concepts of caring and nursing therapeutics related to health promotion and caring for self, and the skills needed to provide basic nursing care for persons experiencing various health needs. Prerequisites: HS 101, NUR 200, 201, 270; PSYC 252 or EDUC 201; BIO 212. NUR 210 must be taken concurrently with NUR 211, 246, and 250; Minimum grade "C."

211. CLINICAL NURSING: CARING THERAPEUTICS - 3 hours
Clinical application of caring processes and basic nursing therapeutic skills to persons experiencing various health needs. This course requires an average of nine contact hours weekly. This course is graded on a pass/fail basis. Prerequisites: HS 101, NUR 200, 201, 270; PSYC 252 or EDUC 201; BIO 212. NUR 211 must be taken concurrently with NUR 210, 246, and 250. Pre- or co-requisites: BIO 216, BIO 214, BIO 330.

246. NURSING: COMMUNITY HEALTH I - 1 hour
Emphasis on family theory and dynamics. Prerequisites: NUR 200, 201; admission to the nursing program.

250. HEALTH ASSESSMENT - 2 hours
Provides a foundation of knowledge required to carry out appropriate health assessments through the life span. Prerequisites: NUR 200, 201; BIO 212; Co-requisites: BIO 214; minimum grade "C."

270. CONCEPTS OF THERAPEUTIC COMMUNICATION - 2 hours
Concepts, principles, and techniques of therapeutic communication with persons and families across the life span. Includes opportunities to apply techniques. Pre-requisites: Admission to Nursing Program; minimum grade "C."

275. NURSING CARE OF THE ELDERLY CLIENT - 3 hours
This course will examine concepts and principles related to health promotion and nursing care for the elderly. Prerequisite: NUR 210, 211. Minimum grade "C."

306. HEALTH PROMOTION IN CHRONICITY - 5 hours
Concepts and principles related to health promotion and nursing care for persons experiencing chronicity in health alterations across the life span. Prerequisites: NUR 210, 211, 246, 250, 270; BIO 212, 214, 216, 330. NUR 306 must be taken concurrently with NUR 307. Pre or co-requisite: NUR 320 and BIO 330; Co-requisites: NUR 307, 308, minimum grade "C."

307. CLINICAL NURSING: HEALTH PROMOTION IN CHRONICITY - 4 hours
Application of concepts and principles related to health promotion and nursing care for persons experiencing chronicity in health alterations across the life span. This course requires an average of twelve contact hours weekly. This course is graded on a pass/fail basis. Prerequisites: NUR 210, 211, 246, 250, 270; BIO 212, 214, 216, 330. NUR 307 must be taken concurrently with NUR 306, 308. Pre- or co-requisite: BIO 330, NUR 320.

308. CASE STUDIES IN CHRONICITY - 2 hours
Application of concepts related to nursing care of persons experiencing chronicity. Pre-requisites: Admission to Nursing Program; NUR 200, 201, 250, 270: minimum grade "C."

309. HEALTH ASSESSMENT - 3 hours
Provides a foundation of knowledge and skills required to perform appropriate health assessments throughout the lifespan. Students will differentiate normal from abnormal findings. Time will be allotted for application and practice of assessment. Prerequisites: NUR 202, 203, and admission to the nursing program.

313. EVIDENCE-BASED PRACTICE - 3 hours
Introduces evidence-based practice to assist nurses in making clinical decisions related to patients' health needs. The research process and critical appraisal of best available evidence will be emphasized. Prerequisites: NUR 202, 203, and admission to the nursing program.

314. GERONTOLOGICAL NURSING - 3 hours
Focuses on the aging process, common issues, and health needs of older adults. Patient-centered care and best practices for maintaining wellness and maximizing function will be emphasized. Prerequisites: NUR 202, 203, and admission to the nursing program.

315. PROFESSIONAL NURSING I - 4 hours
Focuses on fundamental concepts including basic patient needs and selected commonly occurring medical-surgical health problems in adulthood. Emphasis is placed on health promotion and disease prevention. Nursing process as a basis for clinical reasoning is introduced. Prerequisites: NUR 202, 203, and admission to the nursing program. Co-requisite: NUR 317.

317. CLINICAL NURSING I - 3 hours
Application of fundamental concepts meeting basic patient needs and caring for patients with selected commonly occurring medical-surgical health problems throughout adulthood in the skills lab and long-term and skilled care settings. Prerequisites: NUR 202, 203, and admission to the nursing program. Co-requisite: NUR 315.

318. DRUG CALCULATION - 1 hour
Provides instruction in the calculation of dosages and solutions for nurses. Accurate drug calculations are necessary to safely administer medications in practice. This course will be taught in the first half of the semester. Prerequisites: NUR 202, 203, and admission to the nursing program.

320. PHARMACOLOGY - 4 hours
Presents concepts of pharmacology with a focus on the nurse's responsibility in the safe administration of medications. Topics include pharmacodynamics, pharmacokinetics, and pharmacotherapeutics related to major drug classifications. Prerequisites: NUR 309, 313, 314, 315, 317 and 318; minimum grade of "C" in prerequisites.

322. INFORMATICS - 2 hours
Introduces the use of technology in health care. Students will learn how technology is used for information management, safety, quality care, communication, and support of clinical reasoning in the healthcare setting to improve patient outcomes. Prerequisites: NUR 309, 313, 314, 315, 317 and 318; minimum grade of "C" in prerequisites.

323. PROFESSIONAL NURSING II - 7 hours
Emphasizes the physiological and mental health needs of patients presenting with commonly occurring acute and chronic health problems across the lifespan. Caring for women with uncomplicated pregnancies and promoting health for well children will be included. Prerequisites: NUR 309, 313, 314, 315, 317 and 318; minimum grade of "C" in prerequisites. Co-requisite: NUR 324.

324. CLINICAL NURSING II - 4 hours
Application of theoretical concepts from Professional Nursing II to the care of patients experiencing commonly occurring acute and chronic health problems and uncomplicated pregnancies. Includes and average of 12 hours of clinical experience a week in a variety of settings. Prerequisites: NUR 309, 313, 314, 315, 317 and 318; minimum grade of "C" in prerequisites. Co-requisite: NUR 323.

340. HEALTH PROMOTION IN CRISIS - 5 hours
Concepts and principles related to health promotion and nursing care for persons experiencing crises related to health alterations experienced across the life span. Prerequisites: NUR 306, 307, 320. Co-requisite: NUR 341; minimum grade "C."

341. CLINICAL NURSING: HEALTH PROMOTION IN CRISIS - 4 hours
Application of concepts and principles related to health promotion and nursing care for person experiencing crisis related to health alterations across the life span. This course requires an average of twelve contact hours weekly. This course is graded on a pass/fail basis. Prerequisites: NUR 306, 307, 320. Co-requisite: NUR 340.

360. NURSING RESEARCH - 3 hours
Introduction to research design and methodology in nursing with emphasis on the critique of research reports and studies. Prerequisite: Junior status; minimum grade "C."

362. EVIDENCE-BASED METHODS - 3 hours
Introduces evidence-based practice to assist nurses in making clinical decisions related to patients' health needs. The research process and critical appraisal of best available evidence will be emphasized. Includes the clinical application of evidence-based practice. A minimum grade of "C" is required to pass this course. Prerequisite: Admission to nursing: RN status.

390. NURSING TRANSITION: ROLE DEVELOPMENT - 3 hours
Introduces the philosophy and conceptual base of the nursing program. Focuses on concepts, principles, and issues in practice for continued role development in professional nursing. Prerequisite: Admission to nursing program; RN status; minimum grade "C."

391. ADVANCED HEALTH ASSESSMENT - 3 hours
Focuses on patient-centered assessment across the lifespan. Includes clinical application of comprehensive health assessment. A minimum grade of "C" is required to pass this course. Prerequisite: Admission to the nursing program. Co-requisite: NUR 390 must be concurrent.

392. QUALITY AND SAFETY ISSUES - 3 hours
Explores quality and safety issues and intiatives in healthcare. Includes the clinical application of quality and safety structure, processes, and outcomes. A minimum grade of "C" is required to pass this course. Prerequisite: Admission to nursing: RN status.

393. GERIATRIC NURSING - 3 hours
Focuses on evidence-based practices in promoting health for older adults across the continuum of care. Professional roles in geriatric nursing will be examined. Includes clinical application of functional assessment. A minimum grade of "C" is required to pass this course. Prerequisite: Admission to nursing: RN status.

404. COMMUNITY NURSING - 3 hours
This course will cover concepts related to community health nursing with emphasis on vulnerable populations. Pre-requisites: NUR 246; minimum grade "C."

405. POPULATION-BASED CARE - 2 hours
Centers on the health needs of vulnerable population in a variety of settings. Topics include disaster management, substance abuse, prevention, and epidemiology. Prerequisites: NUR 320, 322, 323, 324; minimum grade of "C" in prerequisites.

406. PROFESSIONAL NURSING III - 7 hours
Focuses on the physiological and mental health needs of patients presenting with complex acute and chronic health problems across the lifespan. Caring for women with complicated pregnancies will be included. Prerequisites: NUR 320, 322, 323, 324; minimum grade of "C" in prerequisites. Co-requisite: NUR 407.

407. CLINICAL NURSING III - 5 hours
Application of Professional Nursing III theoretical concepts to the care of patients experiencing complex acute and chronic health problems and complicated pregnancies. Students will provide care for two to three individuals in a variety of settings. Includes an average of 15 hours of clinical experience a week in a variety of settings. Prerequisites: NUR 320, 322, 323, 324; minimum grade of "C" in prerequisites. Co-requisite: NUR 406.

409. NURSING SYNTHESIS I - 2 hours
Facilitates a review and integration of previous content including fundamentals, pediatrics, women's health, mental health, acute and chronic health conditions, and pharmacology. A variety of methods will be utlilized including case studies, simulation, and NCLEX review questions. Prerequisites: NUR 320, 322, 323, 324; minimum grade of "C" in prerequisites.

411. POPULATION HEALTH - 4 hours
Focuses on clinical prevention to promote health of diverse populations. Includes clinical application that addresses the role of the nurse in public health and communities. A minimum grade of "C" is required to pass this course. Prerequisite: Admission to nursing: RN status.

430. HEALTH PROMOTION OF WOMEN AND CHILDREN- 4 hours
Concepts and principles related to health promotion and nursing care for women and children experiencing developmental and situational transitions. Prerequisites: NUR 340, 341. Pre- or co-requisite: NUR 404. NUR 430 must be taken concurrently with NUR 431; minimum grade "C."

431. CLINICAL NURSING: HEALTH PROMOTION OF WOMEN AND CHILDREN - 3 hours
Application of concepts and principles related to health promotion and nursing care for women and children experiencing developmental and situational transitions. This course requires an average of nine contact hours weekly. This course is graded on a pass/fail basis. Prerequisites: NUR 340, 341. NUR 431 must be taken concurrently with NUR 430. Pre- or co-requisite: NUR 404.

436. PROFESSIONAL NURSING IV - 3 hours
Focuses on the needs of patients presenting with acute, life-threatening health problems across the lifespan. Critical care concepts and complex treatment modalities encountered in various critical care settings will be addressed. Prerequisites: NUR 405, 406, 407, 409; minimum grade of "C" in prerequisites. Co-requisite: NUR 437.

437. CLINICAL NURSING IV - 2 hours
Application of Professional Nursing IV theoretical concepts to the care of patients experiencing emergent and critical health problems. Includes an average of 12 hours of clinical experience per week in a variety of settings in the first half of the semester. Graded on a pass/fail basis. Prerequisites: NUR 405, 406, 407, 409; minimum grade of "C" in prerequisites. Co-requisite: NUR 436.

438. LEADERSHIP AND MANAGEMENT - 3 hours
Explores the role of nurse as leader. Topics include delegation, supervision, prioritization of care, quality improvement, practice issues, and organizational culture. Prerequisites: NUR 405, 406, 407, 409; minimum grade of "C" in prerequisites.

439. NURSING SYNTHESIS II - 3 hours
Guides students' preparation for successful completion of licensure examination and entry into the profession of nursing. Resources include delegation and prioritization strategies, case studies, and NCLEX review questions. An NCLEX review course will be included. Prerequisites: NUR 405, 406, 407, 409; minimum grade of "C" in prerequisites.

440. CLINICAL CAPSTONE - 4 hours
Immersion into the adult medical-surgical clinical setting, managing care for groups of patients. Weekley seminar is included. This is the culmination of all previous clinical experiences and takes place in the second half of the semester. Successful completion of NUR 436 and 437 is required to begin this experience. Course graded on pass/fail basis. Prerequisites: NUR 405, 406, 407, 409; minimum grade of "C" in prerequisites.

445. NURSING: COMMUNITY HEALTH VI - 2 hours
The culmination of all community health courses resulting in the implementation of community health projects developed by the students. Prerequisites: NUR 404.

450. HEALTHCARE SYSTEMS - 3 hours
Focuses on the broader context of healthcare systems including policy, finance, management, regulatory environments, healthcare disparities, and the nurse's role as an advocate. Includes the clinical application of selected concepts. A minimum grade of "C" is required to pass this course. Prerequisite: Admission to nursing: RN status.

452. LEADERSHIP AND MANAGEMENT IN NURSING - 2 hours
Provides a foundation for the development of nurse leaders. The concepts of leadership and management are presented in an integrated approach with a focus on quality improvement and patient safety. Leadership roles are explored within the profession. Prequisites: NUR 340, 341, 360; must be taken prior or concurrently with NUR 481.

472. ISSUES OF NURSING - 3 hours
Examines issues of nursing practice from legal, ethical, political, and socioeconomical perspectives. Prerequisites: NUR 210, 211, and 250.

474. ETHICAL AND LEGAL ISSUES - 3 hours
Explores ethical and legal principles in healthcare. Ethical and legal dilemmas within the clinical setting will be examined. A minimum grade of "C" is required to pass this course. Prerequisite: Admission to nursing: RN status.

478. SPECIAL TOPICS - 1-3 hours
A special course designation for current issues and topics in nursing. Topics presented vary each semester. Students should consult the schedule to determine specific offerings. Prerequisites are dependent on the nature of the special topic being presented.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work with the various individual members of the faculty may be offered at any time. Student requests require approval of the instructor and department chairperson.

481. NURSING PRACTICUM - 4 hours
This immersions course provides opportunities for building critical thinking, management, and evaluation skills, while caring for groups of persons in a variety of settings. Experiences are provided to increase the student's self-confidence in nursing judgment and skills, professional image and sense of belonging, to facilitate their transition to professional practice. This Nursing Practicum facilitates integration of previous learning under the direction of the faculty and supervision of a nurse preceptor. This courses requires an average of twelve contact hours weekly. This course is graded

on a pass/fail basis. Prerequisites: Entry level students - NUR 430,431 and NUR 404. NUR 481 should be taken in the semester in which graduation will be met.

483. NURSE LEADERSHIP ROLE - 4 hours
Examines leadership theory and roles in nursing. Interprofessional collaboration and current trends and issues will be discussed. Includes clinical application of nursing leadership concepts. This capstone course should be taken near the end of the RN-BSN curriculum. A minimum grade of "C" is required to pass this course. Prerequisite: Admission to nursing: RN status.

PHILOSOPHY (PHIL)

201. INTRODUCTION TO PHILOSOPHY - 3 hours
Philosophical examination of contemporary issues such as human nature, language and thought, human freedom, moral standards, social change, ecology and science, belief in God.

210. LOGIC AND CRITICAL THINKING - 3 hours
Recognition of the logical grammar of statements and arguments in order to penetrate to the logical structures embedded in written and spoken discourse. The purpose of this course is to develop skills in reading comprehension, composition, oral discourse, and problem-solving.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of philosophy. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

308. PHILOSOPHICAL PERIODS - 3 hours
Exploration and evaluation of selected important historical periods of philosophy. Periods listed vary from ancient to contemporary and include such specific periods as nineteenth century. Students may repeat the course for credit under different subtitles.

321. ETHICS - 3 hours
Examination of the status of moral principles, ethical theories, and the language of ethics. Analysis of contemporary moral problems and the relation of the individual to society.

400. INTERDISCIPLINARY PHILOSOPHY - 3 hours
Philosophical examination of the foundations of the selected discipline, including key concepts, methods, principles, presuppositions, and impact on our lives. Listed according to subject selected, such as Philosophical Anthropology; Philosophy and Psychoanalysis, Philosophy in Literature Philosophy of Art, Education, History, Law, Mathematics, Religion, or Science. Students may repeat course for credit under different subtitles.

406. MAJOR PHILOSOPHERS - 3 hours
Examination of selected writings of one or more outstanding philosophers from Plato to Sartre. Primary sources are used to examine basic philosophical problems. Students may repeat the course for credit under different subtitles.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Philosophy. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

PHYSICAL EDUCATION (PE)

101. GENERAL PROGRAM IN PHYSICAL EDUCATION I - 1 hour
Required of all students. Students elect lifetime sports and/or conditioning activities; some sections contain classroom sessions on the benefits of physical activity. Students with physical disabilities will be placed in special sections adapted to their abilities. Special sections required for Physical Education and Exercise Physiology majors.

102. GENERAL PROGRAM IN PHYSICAL EDUCATION II - 1 hour
Required of all students. Students elect lifetime sports and/or conditioning activities, some sections contain classroom sessions on the benefits of physical activity. Students with physical disabilities will be placed in special sections adapted to their abilities. Special sections required for Physical Education and Exercise Physiology majors.

106. PRIMARY MOVEMENT EXPERIENCES - 2 hours
Movement education, including fundamental movement skills, manipulative skills, games and sport lead-up activities with instruction and application appropriate to elementary level physical education. Offered fall semester only.

108. TEAM SPORTS I 2 hours
Skills and teaching methods in various activities including basketball, volleyball, wallyball, and flag football.

109. LIFETIME DUAL SPORTS - 2 hours
Skills and teaching methods in various activities including tennis, racquetball, pickle ball, and badminton. Offered spring semester only.

117. INDIVIDUAL AND RECREATIONAL SPORTS -1 hour
Skills and teaching methods in various lifetime activities including golf, archery, and other recreational activities. Offered fall semester only.

120. INTRODUCTION TO PHYSICAL EDUCATION - 2 hour
A summary of careers and professional opportunities available to the physical educator will be discussed. Professional organizations and journals will be considered, as well as the current issues and problems of the field. Emphasis will be placed on portfolio development. A tentative four-year plan of study will be prepared. Offered fall semester only.

123. INTRODUCTION TO GOLF MANAGEMENT – 1 hour
A summary of the careers and professional opportunities available to the Professional Golf Management student will be discussed. The component of golf management will be discussed and examined along with current issues and problems. Offered fall semester, odd years.

124. INTRODUCTION TO SPORTS MANAGEMENT – 1 hour
A summarization of the careers and professional opportunities available to Sports Management students will be discussed. Selected speakers will visit, current issues in sports will be examined, tentative four-year schedules will be prepared, college policies and procedures will be discussed. Offered fall semester only.

126. HISTORY AND RULES OF GOLF – 3 hours
The history of golf from Europe to the United States. Topics include the development of the PGA of America, and the PGA tour, and the golf industry and its effect on the economy. The rules of golf and tournament management are also discussed. Professional Golf Management majors only. Offered spring semester, odd years.

211. GROUP FITNESS LEADERSHIP - 2 hours
This is a course of study that gives the student the opportunity to gain both pedagogical and content knowledge necessary to learning and teaching various group fitness classes such as Zumba, Yoga, and Step Aerobics.

216. WATER SAFETY INSTRUCTION --1 hour
This course is designed to provide basic instruction and teaching strategies in swim stroke technique, lifesaving skills, and principles of aquatic safety with American Red Cross certification. Prerequisite: Successful completion of written pre-test and basic aquatic skills assessment. Offered fall semester only.

225. LIFEGUARDING - 1 hour
This course is designed to provide American Red Cross certification in lifeguarding. Prerequisite: Proficient swimming skills applicable to American Red Cross level V. Offered spring semester only.

240. ANATOMY AND PHYSIOLOGY - 3 hours
A study of basic body organs and their functions. The functions and structures that are stressed or modified by physical activity will be emphasized. Prerequisite: Any college level physical or natural science laboratory course. Offered fall semester only.

258. MOTOR DEVELOPMENT - 3 hours
Analyze the factors affecting the acquisition of fundamental and fine motor skills, then examine how these factors interact with the motor development process across the lifespan, with emphasis on physical growth, physiological changes, and the domains of human development - cognitive, social, and motor.

268. ARGONOMY AND TURF GRASS MANAGEMENT – 2 hours
Introduction to maintenance and characteristics of turf grasses; treatment of diseases and insects, including proper use of fertilizers, insecticides, and procedures involved in golf course maintenance programs; staffing, scheduling, and legalities dealing with EPA and OSHA. Offered fall semester, odd years.

269. ARGONOMY AND TURF GRASS MANAGEMENT LAB – 1 hour
Laboratory and field experiences relevant to the theoretical background of PE 268. Offered fall semester, odd years.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Physical Education. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

280. OUTDOOR LEISURE PURSUITS - 1 hour
Introduction to outdoor leisure activities. Offered spring semester only.

320. PRINCIPLES OF COACHING - 1 hour
Methods and coaching techniques for general athletic programs. General topics covered include budgeting, scheduling, recruitment, etc. Offered fall semester only.

322. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION, INTRAMURALS, AND ATHLETICS – 1 hour
Principles of planning, administration, and conduction of the total school program of Physical Education, Intramurals, and Athletics. Prerequisite: Junior standing.

324. PRACTICUM IN SPORTS INFORMATION – 2 hours
This course provides practical experiences associated with Sports Information operations. Topics include medial relations, promotions, statistical analysis, public relations, NCAA reports, etc. Students will complete 48-60 hours of practical experience.

325. PRACTICUM IN PHYSICAL EDUCATION - 1 hour
An arranged teaching experience in the general program, or a cooperating school involving observation, administrative details, teaching, and evaluating. To be taken the semester immediately prior to student teaching. Prerequisite: Upper level standing.

326. TESTS, MEASUREMENTS, AND RESEARCH DESIGN - 2 hours
A review of measures of central tendency, measures of variability, correlations, T-tests, and ANOVA. Emphasis is on the application of instruments, tests, and statistical procedures within a research design.

329. COACHING GOLF I – 1 hour
Fundamental skills of golf, team organization and coaching methods. Offered fall semester only.

330. COACHING GOLF II – 2 hours
The sciences applied to the golf swing, cause and effect, laws, principles and preferences of a model swing; terminology for golf teachers; learning styles and practices; private and group lessons; and the importance of directed practice, drills, and teaching aids. Prerequisite: PE 329. Offered spring semester, even years.

331. COACHING BASEBALL/SOFTBALL - 1 hour
Fundamental skills of baseball, team organization and coaching methods will be discussed. Offered spring semester, even years.

332. COACHING FOOTBALL - 1 hour
Fundamental skills of football, team organization and coaching methods will be discussed. Offered fall semester, even years.

333. COACHING VOLLEYBALL - 1 hour
Fundamental skills of volleyball, team organization and coaching methods will be discussed. Offered fall semester, even years.

334. COACHING BASKETBALL - 1 hour
Fundamental skills of basketball, team organization and coaching methods will be discussed. Offered fall semester, even years.

335. SPORT OFFICIATING - 1-2 hours
Rules and techniques of officiating. Two hour course requires additional laboratory experiences.

336. COACHING WRESTLING - 1 hour
Fundamental skills of wrestling, team organization and coaching methods will be discussed. Offered spring semester, odd years.

337. COACHING TRACK & FIELD - 1 hour
Fundamental skills of track and field, team organization and coaching methods will be discussed. Offered spring semester, even years.

338. COACHING TENNIS - 1 hour
Fundamental skills of tennis, team organization and coaching methods will be discussed. Offered spring semester, odd years.

343. PHYSICAL EDUCATION FOR MULTI-SUBJECT TEACHERS - 2 hours
Methods and techniques for teaching physical education for the early and middle childhood education major.

344. COACHING SOCCER - 1 hour
Fundamental skills of soccer, team organization, and coaching skills will be discussed.

345. PHYSIOLOGY OF SPORT AND EXERCISE - 3 hours
A lecture and laboratory class in which the effects of exercise and sport upon body systems will be investigated. Reviews knowledge concerning physiological mechanisms which relate to improvements of physical performance. Prerequisites: PE 240 or BIO 212.

354. FACILITIES MANAGEMENT IN SPORTS AND PE – 2 hours
The course will survey the terminology, operations, functions, liability issues, and design features of local athletic, recreation, and physical education facilities. Spring semester, even years.

355. SPORT LAW – 2 hours
The course will provide background related to current legal issues surrounding sports and athletics. Content will include contracts, liability, the American court system, legal theory, and a review of pertinent case law. Fall semester of odd years.

365. PSYCHOLOGY AND SOCIOLOGY OF PHYSICAL EDUCATION - 2 hours
The application of psychological and sociological factors to physical activity, sports as they pertain to performance, education, and the culture. Offered spring semester only.

371. COMPLIANCE - 2 hours
This course will provide students with a basic overview of the athletic compliance process relative to the NCAA as a whole and Division II, including the areas of recruiting, eligibility, and financial aid.

382. PRINCIPLES OF RECREATION - 2 hours
The history, theory, and philosophy of recreation; evolution of the recreation movement. Attention given to principles and techniques of leadership. Field trips to broaden the student's appreciation of recreation. Offered spring semester only.

395. KINESIOLOGY - 3 hours
This course is a detailed study of the skeletal and muscular systems to include identification of the origin, insertion and action and inaction of the major muscles. The students will become proficient in the use of directional and movement terminology and be able to classify movement levels and identify the plane/axis as well as the agonist and antagonist in a movement. Prerequisite: BIO 212 or PE 240.

440. COACHING INTERNSHIP - 3 hours
On-the-job experience, training and instruction in a coaching-related organization. The internship instructor and the student will arrange the appropriate internship site. A minimum of 100 contact hours and a diary/log recorded by the student will be required. Students will receive "K" credit for this course.

452. ADAPTED PHYSICAL EDUCATION -2 hours
An introduction to the field of adapted physical education through the study of prevalent disabilities and disabling conditions along with developing appropriate instructional strategies.

453. ADAPTED PHYSICAL EDUCATION II -2 hours
An arranged teaching experience in cooperation with local schools. The student, with supervision, will write, prescribe, and administer an exercise program for disabled individuals. Prerequisite: PE 452.

467. ADVANCED PRINCIPLES OF STRENGTH AND CONDITIONING - 2 hours
Instruction is provided describing the principles for development of pre-season, in-season and off-season conditioning program for athletes and in-general fitness. Laboratory experiences will be intermixed in the lecture setting and include the theory and techniques of operating strength training equipment. Prerequisite: PE 345.

478. SPECIAL TOPICS - 1-3 hours
A course category for special topics in physical education. Students may recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

PHYSICS (PHYS)

101. ELEMENTARY PHYSICS I - 3 hours
A non-calculus survey of basic concepts in the areas of mechanics, wave motion and thermodynamics including motion in one and two dimensions, types of forces, torques, work, forms of energy, power, conservation laws, heat, calorimetry, laws of thermodynamics, longitudinal and transverse waves, interference of waves, fluids and pressure. Prerequisite: MATH 145 or equivalent and some knowledge of trigonometry.

102. ELEMENTARY PHYSICS II - 3 hours
A continuation of Physics 101. A survey of basic concepts in electricity, magnetism, optics, atomic and nuclear physics; including electrostatics, electric and magnetic fields, AC and DC circuits, thin lenses and mirrors, interference, refraction, diffraction, polarized light, structure of the atom, structure of the nucleus, fission and fusion. Prerequisite: PHYS 101 and 110.

110. ELEMENTARY PHYSICS I LABORATORY – 1 hour
An introduction to experimentation, the use of the personal computer in the laboratory, the analysis of data by means of graphical analysis, the use of the World Wide Web. Prerequisite or Co-requisite: PHYS 101.

111. ELEMENTARY PHYSICS II LABORATORY – 1 hour
A continuation of PHYS 110 with emphasis on electricity, magnetism, and optics experiments. Prerequisite: PHYS 101 and PHYS 110. Co-requisite: PHYS 102.

140. PHYSICAL SCIENCES I FOR ELEMENTARY TEACHERS - 3 hours
Lecture course dealing with the physical science content found within the elementary school curriculum, especially: Compounds, Mixtures, Solutions, Physical and Chemical states, Phase Changes, Density, Buoyancy, Energy, Forces, Motion, and Earth and Space Sciences. Science education topics will also be covered. Three hours of lecture per week. This course is to be taken prior to PHYS 340. Open only to elementary education students. Prerequisites: MATH 140.

150. SCIENCE, TECHNOLOGY, AND SOCIETY - 2 hours
A study of the impact that science and technology have exerted upon our society. No previous science background is assumed.

190. THE PHYSICAL WORLD - 3 hours
An introduction to the fundamental principles of astronomy, chemistry, geology, and physics. This course is designed for students who have very limited or no science or mathematics background.

191. THE PHYSICAL WORLD LABORATORY - 1 hour
A series of laboratory experiences in the areas of astronomy, chemistry, geology, and physics designed to complement the topics covered in PHYS 190. Prerequisite or concurrently with PHYS 190.

200. INTERMEDIATE PHYSICS – 2 hours
A problem-solving course placing emphasis on greater mathematical sophistication in dealing with the topics of PHYS 101 and PHYS 102. Specifically, applications of vector analysis and calculus are stressed. This course along with PHYS 101, 102, 110, 111 constitutes a standard calculus-based elementary physics sequence. Prerequisite: PHYS 102 and MATH 210.

213. APPLICATIONS OF THE MICROCOMPUTER IN THE SCIENCE CLASSROOM AND LABORATORY - 2 hours
Use of the microcomputer as a lecture-demonstration device, for analysis of data, with interfacing and sensing devices, with simulation programs, and for record keeping and scientific report writing. Open only to General Science 5-9, General Science 5-12 students or by permission of the instructor.

260. PHOTOGRAPHY FOR THE SCIENCE TEACHER - 2 hours
Specialized scientific applications in photography, related to science education.

278. SPECIAL TOPICS IN PHYSICS - 1-3 hours
A special course category for contemporary topics in the general field of the physical and earth sciences. Students should consult the schedule to ascertain what topics are currently being presented, and are further encouraged to recommend topical items to the department chairman.

300. MODERN PHYSICS - 3 hours
An introduction to the special theory of relativity, atomic theory and quantum mechanics, nuclear structure and decay. Prerequisite: PHYS 200.

308. APPLIED E & M - 3 hours
Selected topics in electricity and magnetism as applied to energy transmission and distribution and energy systems. Prerequisites: PHYS 102 and MATH 210.

315. TRENDS AND ISSUES IN SCIENCE EDUCATION - 3 hours
Lecture course dealing with science education issues and trends found within the middle and high school curriculum, especially: Teaching Techniques, Science and Engineering Practices, Science Standards, Nature of Science, Issues, Technology, Science in the Community, and Safety and Welfare. Open only to education majors. Three hours of lecture per week. No prerequisites.

320. DEMONSTRATIONS, EXPERIMENTS, AND SCIENCE TEACHING TECHNIQUES - 2 hours
A study of the design and use of lecture demonstrations, laboratory experiments and safety, laboratory management and evaluation, and interpreting experimental results.

340. PHYSICAL SCIENCES II FOR ELEMENTARY AND 5-9 TEACHERS - 4 hours
An integrated lecture-laboratory course dealing with the physical science content often found within the elementary school curriculum, especially Electricity, Magnetism, Waves, Light, Sound, Simple Machine, and Nuclear Energy. Science education topics will also be covered. Open only to elementary K-6 and general science 5-9 students. Three hours of lecture and two hours of laboratory per week. For General Science 5-9 minors it is strongly suggested that they take MATH 145 prior to taking this course. Prerequisite: PHYS 140 (for Elementary K-6 majors).

345. EARTH AND SPACE SCIENCE - 4 hours
Combined course in astronomy and geology topics with laboratory. Course covers earth-space sciences, especially: history, earth materials, earth structures, and physical processes which shape the earth, the solar system, stellar evolution, structures in the universe, telescopes, modern astronomy, and motions. Laboratory supplements the lecture section. Three hours of lecture and two hours of laboratory per week (night observations are required). Co-requisite: PHYS 345 lab.

350. TOPICS IN ENERGY - 3 hours
Topics in types of energy, energy sources, conservation of energy, heat engines, home heating and heat storage, degree days, heat transfer, R-value, U-value, and infiltration. Prerequisites: PHYS 102, 111.

360. PHYSICAL GEOLOGY - 4 hours
A study of earth materials; earth structures; physical processes which shape the earth including weathering, sedimentation, metamorphism, diastrophism, volcanism, glaciation, and the features to which they give rise. Laboratory supplements the lecture section. Three hours of class and two hours of laboratory per week.

370. ELEMENTARY ASTRONOMY - 4 hours
History of astronomy, telescope and accessories; the solar system, stars, stellar evolution, structure of the universe, modern astronomy, and structure of the galaxy. Laboratory supplements the lecture section. Three hours of class and two hours of laboratory per week. Includes mandatory night observations.

400. OCEANOGRAPHY AND CLIMATOLOGY - 2 hours
The course introduces students to principles of oceanography and climatology. It provides an understanding of the dynamic nature of oceanic and atmospheric systems. It briefly introduces physical, geological, chemical, biological oceanography and climatology. Two hours of lecture per week. No prerequisites.

478. SPECIAL TOPICS IN PHYSICS - 1-3 hours
A special course category for contemporary topics in the general field of the physical and earth sciences. Students should consult the schedule to ascertain what topics are currently being presented, and are further encouraged to recommend topical items to the department chairman.

POLITICAL SCIENCE (POLS)

101. BASIC CONCEPTS IN POLITICS AND GOVERNMENT - 3 hours
This course will provide a conceptual and experiential introduction to politics utilizing lectures, small group discussions and simulations.

201. AMERICAN GOVERNMENT - 3 hours
Historical background of American government; the Constitution; political processes; structure and procedures of government.

202. AMERICAN STATE AND LOCAL GOVERNMENT - 3 hours
The interrelationship of national, state, and local governments; problems and functions of the modern state; revision, reapportionment, and finance.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Political Science. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

279. STUDENT SENATE PRACTICUM - 1-2 hours
Student senators (excluding officers) may gain credit with the submission of written work that relates to the practice of student government. K credit. Credit awarded will be limited to two (2) times, no more than four credit hours maximum.

300. SCOPE AND METHOD OF POLITICAL SCIENCE - 3 hours
An overview of the subject matter and methodology of political science, including an introduction to political analysis, computing, and research skills relevant to political science.

303. INTERNATIONAL RELATIONS - 3 hours
An interdisciplinary approach to understanding the behavior of nation states and other major factors in the international arena. National perceptions; current events; trade, monetary exchange, and international political economy; causes of war; international law and organization; regional military balances.

304. COMPARATIVE POLITICS - 3 hours
Analysis of comparative political systems, institutions, and processes. Areas of emphasis include Asia, Africa, Europe, and Latin America.

306. THE UNITED STATES CONGRESS – 3 hours
Examines the legislative branch of the federal government, including its history and development. Primary focus is placed on the leadership structure in Congress, the committee system, and the policy-making process. Also examines the electoral process, and the interaction of the legislative branch with the executive branch.

308. AMERICAN POLITICAL THOUGHT – 3 hours
Considers the corpus of American political thought from colonial days through the 20th century. Examines the idea of America, opposing viewpoints, or challenges, to that view, as well as the idea of the Founding, the reasons for the Civil War, and the advance of progressivism. Questions of slavery, race, nature, natural rights, civil rights, and the like are considered.

315. STATE CONSTITUTIONS IN APPALACHIA - 3 hours
This course examines state constitutions in Appalachia; how they were formed, how they have changed, and how they reflect the social and political realities of the region. Study will include issues of representation, slavery and emancipation, separation of powers, and economic factors in a constitutional context.

320. THE POLITICS OF REVOLUTION AND CHANGE - 3 hours
Theory and practice of political change with attention to the nature of revolution, and the relationship between political and technological, scientific, or social changes.

324. THE POLITICS OF DEVELOPMENT - 3 hours
The dilemmas facing Third World countries of the southern hemisphere attempting to modernize and emulate the more developed nations of the world's northern hemisphere.

341. TWENTIETH CENTURY RUSSIA - 3 hours
Leninist and Stalinist features of the Soviet system, including an examination of events leading up to the Soviet state and events attendant to its demise. See HIST 341.

401. POLITICAL BEHAVIOR - 3 hours
Examination of political behavior from the political-psychological, sociological perspectives, emphasis on the micro level of analysis. Prerequisite: ENG 101, ENG 102 and POLS 101 or 201.

406. THE AMERICAN PRESIDENCY - 3 hours
An examination of the office of the President in terms of history, the Constitution, the institution of the presidential office, and theory of the American executive. Considers the development of the presidency from the Founding through the progressive era and the president in terms of the more abstract understanding of Statesmanship. Prerequisites: ENG 101 and ENG 102.

414. ETHICS IN CAPITALISM - 3 hours
An analysis of the merits, challenges and ethical foundations of free enterprise. The principle of free enterprise will be applied to a variety of historical and current issues ranging from business regulation and labor markets to health care, economic development and the environment. It will examine such topics as private property, income inequity, wealth creation, etc. Prerequisites: ENG 101 and ENG 102 and Honors Program membership or at least Junior standing.

415. PARTIES AND ELECTIONS - 3 hours
Considers parties and elections, party in government, and party organizations. It will examine current elections, polling, and whether parties are good or merely beneficial for politics. Prerequisites: ENG 101 and ENG 102.

419. ANCIENT POLITICAL THOUGHT - 3 hours
Examines political philosophy focusing on Socrates, Plato, Aristotle, Xenophon, Cicero and others. According to the ancients, philosophy meant the love of wisdom. This class will examine the polis (the city) v. the philosopher, the Good, the soul, and how these, and other, timeless subjects might inform our own idea about our politics and ourselves. Prerequisites: ENG 101 and ENG 102.

420. MODERN POLITICAL THOUGHT - 3 hours
Introduction to problems of political theory through reading and discussion of works on political doctrine from Machiavelli to the present. Prerequisites: ENG 101 and ENG 102.

426. TWENTIETH CENTURY UNITED STATES FOREIGN POLICY - 3 hours
An analysis of historical factors influencing America's search for a new global role. See HIST 426. Prerequisites: ENG 101 and ENG 102.

441. AMERICAN CONSTITUTIONAL LAW - 3 hours
See HIST 441. Prerequisites: ENG 101 and ENG 102.

442. LIBERTY AND LAW - 3 hours
Study of civil liberties in the United States, particularly such issues as racial discrimination, freedom of speech, press and religion, the right to vote, and the rights of the accused. Emphasis will be placed on recent developments. Prerequisite: ENG 101, ENG 102 and POLS 201.

450. PRE-LAW INTERNSHIP - 6 hours
Placement of pre-law students in law offices; provides interns with an opportunity to do legal research, synthesize theory with practice. Prerequisite: G.P.A. of 3.0.

470. SEMINAR IN POLITICAL SCIENCE - 3 hours
Directed research on selected topics in political science. Individual group discussions. Prerequisite: Six hours in political science, junior or senior status. Prerequisites: ENG 101 and ENG 102.

478. SPECIAL TOPICS - 1 -3 hours
A course category for selected topics in the general field of Political Science. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson. Prerequisites: ENG 101 and ENG 102.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean. Prerequisites: ENG 101 and ENG 102.

490. HERNDON LEGISLATIVE FELLOWS PROGRAM - 3-12 hours
The Judith A. Herndon Legislative Fellows Program is an internship sponsored by the West Virginia Legislature for full-time undergraduate students of all majors and disciplines. The Program provides an opportunity for a limited number of students to participate in a

16-week assignment with the Legislature, beginning in January. Provides the student with the theory and operations of legislatures and legislative bodies in their multidimensional aspects and roles. Prerequisites completion of 60 undergraduate hours; grade point average sufficient for admission to a student's degree program; a completion of a course in political science or extensive public affairs experience good social/academic standing during the period of the internship. Offered for K credit.

491. FRASURE-SINGLETON LEGISLATIVE INTERNSHIP - 1-3 hours
An internship sponsored by the West Virginia Legislature. It provides students with the opportunity to observe the lawmaking process for one week during the legislative session. K credit.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

PROFESSIONAL STUDIES (PS)

Professional Studies (PS) courses, which are part of the School of Professional Studies, are designed to cultivate and enrich students' knowledge and skills for and within the workplace. PS courses all have a strong emphasis on professional development in regard to a wide variety of topics, issues, and practical applications relevant to professionalism in the contemporary workplace. PS courses are open to all students. There are no prerequisites. For students in the Regents Bachelor of Arts (RBA), the Bachelor of Arts in Organizational Leadership and Administration (BLA), and the Bachelor of Applied Science (BAS) degree programs, PS courses will fulfill designated General Studies requirements. For all other degree programs, PS courses will serve as general electives only.

PS 250. COMPUTER USE FOR PROFESSIONALS – 3 hours
This course educates students in a variety of computer uses which facilitate professional development. In addition, emphasis is placed on proper professional etiquette, protocol and ethics as they are relevant to computer use. Professional usage skills to be developed variously include: word processing applications, keyboard techniques and shortcuts, browser options, search engines, internet usage (including research purposes), professional e-mail usage, professional social media usage, file management, managing data and creating data designs through spreadsheets, and presentation management through presentation software. No prerequisite required. ***Computer Applications***

PS 278. SPECIAL TOPICS IN PROFESSIONAL STUDIES - 1-3 hours
A course category in the general field of Professional Studies - Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the Dean of Professional Studies. No prerequisite required. ***General Studies Elective in variable areas***

PS 300. PROFESSIONAL PORTFOLIO DEVELOPMENT - 1 hour
Students are instructed in the processes for developing a professional portfolio of their work and life experiences in order to be able to apply for academic credit for those experiences. No prerequisite required.

PS 301: INTRODUCTION TO LEGAL STUDIES FOR PROFESSIONALS - 3 hours
This course provides an overview of the structure and operations of American law and the American legal system, especially in regard to the law's application to professional work in for-profit and non-profit organizations. Students are introduced to the ways law shapes professional work and the ways professional work shapes the law. Among other topics relevant to professionals, this course explores definitions and concepts of law, the ways injuries and disputes are mediated, and the concept and importance of workplace rights. No prerequisite required. ***Social Science***

PS 302. RETIREMENT PLANNING FOR PROFESSIONALS - 3 hours
This course covers the strategies, techniques, and programs for effective retirement planning for professionals from a wide range of fields. Emphases are also placed upon learning to assess retirement lifestyle options which are significantly relevant to retirement financial planning. No prerequisite required. ***Social Science***

PS 303. PUBLIC HEALTH ISSUES FOR PROFESSIONALS - 3 hours
The purpose of this course is to examine public health issues and their impact on professional work. Students will be introduced to various areas of significance in public health, such as epidemic prevention, natural disaster response and recovery, environmental hazard protection and assessing quality and accessible health services. These areas will be understood especially in regard to the ways they affect the professional workplace through interpreting and applying laws, regulations, policies, and procedures that relate to communicable disease reporting. No prerequisite required. ***Social Science***

PS 304. THE HEALTHY PROFESSIONAL - 3 hours
The purpose of this course is for professionals to learn the basic principles necessary to maintain a healthy lifestyle by keeping a variety of variables in balance and understanding the common internal and external forces that tend to disrupt homeostasis. Students will understand the order of magnitude that stress/strains have on their systems and how to reduce them. Students will also discover basic internal decision-making rules to maintain balance and health. No prerequisite required. ***Social Science***

PS 305. THE ESSENTIALS OF PROFESSIONAL GRANT WRITING - 3 hours
A review of the ideas, sources, general processes and common pitfalls of grant writing in general Additional topics include following the proposal guidelines, determining the focus of and selling one's project, basic research and design, use of literature citations, collaboration and consultants, proposal organization, formatting and electronic presentation, and scoring and resubmission. Practical experience in developing the aspects of a grant proposal will be emphasized. No prerequisite required. ***Communication***

PS 306. APPLIED MATHEMATICS FOR THE PROFESSIONAL- 3 hours
This course offers an exploration of real-world mathematics for the professional. Topics include area and volume, probability, functions, compound interest, exponential growth, symmetry and transformative geometry, statistics, ratios, proportions and fractions. All topics draw upon current event-based scenarios and relevant con-

siderations and dilemmas for the contemporary professional. No prerequisite required. ***Mathematics***

PS 307. PROFESSIONALISM THROUGH BIOGRAPHY - 3 hours
Through the study of biographies and autobiographies about a variety of world leaders, top CEO's, legendary sports coaches, and major culture and arts figures, students will learn about different professional styles and the ways those styles can apply to their own professionalism. Students' learning will be accomplished specifically through writing a number of short essays, guided class discussions, applied practical exercises, and class presentations. Facilitating the students' self-discovery in terms of their own professional strengths and weaknesses will be a prime objective. No prerequisite required. ***Humanities***

PS 308. RHETORIC AND REASONING FOR PROFESSIONALS - 3 hours
The emphasis in this course is to cultivate students' skills in rhetoric and reasoning to advance their professional development. Specific topics will include: a survey of the history of rhetoric, the basic principles of rhetoric, the issue of truth and rhetoric, refining reasoning skills for improving rhetoric, and the inter-relationship between reasoning and language. Students will develop their professional reasoning and rhetorical skills through completing a number of various kinds of writing assignments, presentations on topical issues in professionalism, and a series of professionally practical exercises. No prerequisite required. ***Communication***

PS 309. SOCIETY, ETHICS AND TECHNOLOGY FOR PROFESSIONALS - 3 hours
After a historical survey of the social evolution of technology and various ways of understanding the social impact of technology, students will be familiarized with methods of ethics analysis in order to be able to recognize and evaluate technological ethics issues in the professional workplace. Emphasis will be placed on analyses of topical ethics scenarios and on extended case studies. No prerequisite required. ***Humanities***

PS 310. PROFESSIONALISM IN THE NON-PROFIT SECTOR - 3 hours
Professionals with non-profit organizations have a responsibility to contribute to engendering positive change in individuals and society. Students will explore components of non-profit organizations that support this responsibility as well as distinguish non-profits from for-profit businesses. These components include: the importance of defining a mission and a vision statement, understanding 501(c) (3) non-profit status, effective strategies for marketing, innovation, and fund development, measuring performance, the value of relationship building, and the role of a leader. No prerequisite required. ***Social Science***

PS 311. PUBLIC ADMINISTRATION PRINCIPLES AND APPLICATIONS FOR PROFESSIONALS - 3 hours
This course begins with an overview comparison/contrast of the basic principles of private vs. public administration, which leads to an examination of how the local, state, and federal bureaucratic systems are organized and how they relate. The course then focuses on two key areas in which a public servant is likely to be involved: public personnel administration and public budgeting. Emphasis is placed upon recruitment, training, promotion policies, position classification, and employer-employee relations. In addition, the politics, techniques, and fiscal schedules of budgeting processes at federal, state and local levels are studied. No prerequisite required. ***Social Science***

PS 312. ECOLOGICAL ISSUES FOR PROFESSIONALS - 3 hours
This course begins with an examination of the basic principles of ecological science pertaining to its definition, subject matter, scientific methodology and research protocol. The course then proceeds to study various ecological issues from a scientific perspective in regard to how they impact professional work. Such issues will include ecological engineering and sustainability, restoration ecology, the effects of standard and alternative energy sources, and environmental ecology: conservationism and stewardship. No prerequisite required. ***Natural Science***

PS 313. DIVERSITY AND DISABILITY IN THE PROFESSIONAL WORKPLACE - 3 hours
The course offers in-depth education on disability awareness by focusing on four topical areas, 1) Typecasting: Understanding the Diversity of Disability, 2) Legal Implications: A Synoptic Overview of the Americans with Disabilities Act (ADA), 3) Reasonable Accommodation, and 4) Etiquette: Communication and Interaction. The study of each of these areas will integrate relevant provisions from the five topics of the ADA: 1) Employment, 2) Government, 3) Public Accommodations, 4) Telecommunications, and 5) Transportation. Additional special emphasis will be placed on ADA applications to professionals operating small businesses of 15 to 100 employees. No prerequisite required. ***Social Science***

PS 314. CROSS-CULTURAL STUDIES FOR PROFESSIONALS - 3 hours
The aim of this course is to educate students in the cross-cultural differences and similarities between people, which are especially relevant to the professional workplace. Emphasis is placed upon cultivating students' abilities to recognize and respect such differences and similarities, and integrate them into an effective and congenial work environment. No prerequisite required. ***Social Science***

PS 315. ORGANIZATIONAL ETHICS FOR PROFESSIONALS - 3 hours
Basic principles of ethics will be understood and applied to analyze concrete issues in for-profit and non-profit organizations. Emphasis will be placed on establishing the fundamental relationship between ethical conduct and genuine professionalism. No prerequisite required. ***Humanities***

PS 316. THE SCIENCE OF NATURAL DISASTERS AND EMERGENCY RESPONSES – 3 hours
Natural disasters can have a substantial negative impact on life, economics, and civil planning. Professionals, in their work and personal lives, need to learn to prepare and plan accordingly to prevent the loss of life and property. This course focuses primarily on the methods of response to naturally destructive phenomena, as well as the physical mechanisms by which these events are triggered, so as to provide sufficient foundation on which professionals can understand the most appropriate and effective emergency responses to such disasters. No pre-requisite required. ***Natural Science/Physical Science***

PS 317. PERSONNEL ADMINISTRATION FOR PROFESSIONALS – 3 hours
This course will provide clarity with regard to human resource principles by examining values-based concepts, employee retention and turnover, employee engagement techniques, talent management tools, and high performance work teams. By understanding impacts of these principles, students will be able to identify and develop realistic strategies for personal, professional, and career growth. No prerequisite required. ***Social Science***

PS 318. LEADING CHANGE AND COMMUNICATION FOR PROFESSIONALS – 3 hours
This course begins with an in-depth exploration of change leadership and will provide guidance for planning, implementing, and managing change efforts. Change Leadership theory will provide a pathway for moving people's behavior from old ways to new ways, from moving from plans on paper to reality in the workplace. Students will be given the opportunity to learn and practice an effective change leadership process along with the adaptation of several communication tools through analysis of case studies.

This course will be a highly interactive experience with practical application of the concepts presented. No prerequisite required. ***Communication***

PS 319. FINANCIAL PLANNING FOR PROFESSIONALS – 3 hours
Professionals who practice self-reliance and understand financial planning will be best prepared for life. This course is designed to give students a basic understanding of financial planning. Concepts include career and salary history, money management and budgeting, income and asset protection, investments, retirement planning and estate planning. Student will create their own personal financial plan as a course outcome. No prerequisite required. ***Social Science***

PS 320. PROMOTIONAL STRATEGIES FOR ORGANIZATIONS – 3 hours
Introduction to promotional concepts and strategies that is applicable to virtually any organization, non-profit and for-profit. Areas of emphasis include the importance of the following: utilizing systems and processes to define market strategies; analyzing marketing and customer/client orientation within your organization; evaluating ethical impact of marketing decisions; developing frameworks that encompass marketing strategies; developing branding and its organizational impact. This course is structured to provide primary insight into key marketing concepts and strategies.
Social Science

PS 321. PROFESSIONAL PUBLIC RELATIONS - 3 hours
Students are taught the basic principles and practices of public relations, which are applicable to for-profit and non-profit organizations. Among the course's topics are the differences between public relations and advertising, the advantages of publicity, how to develop and initiate a public relations campaign, how to prepare press releases, fact sheets, brochures, and press kits, and how to best utilize electronic/digital resources for publicity.
Social Science

PS 322. MEDIA ADVERTISING FUNDAMENTALS FOR PROFESSIONALS – 3 hours
For professionals today, the modern field of mass media offers many ways to reach an audience through: online sites, television, radio and print. This course will strengthen one's ability to make positive decisions on correctly using advertising dollars and will impact a better understanding on how to deal with both agencies and account executives. ***Social Science***

PS 478. SPECIAL TOPICS IN PROFESSIONAL STUDIES - 1-3 hours
A course category in the general field of Professional Studies - Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the Dean of Professional Studies. No prerequisite required. ***General Studies Elective in variable areas***

PSYCHOLOGY (PSYC)

100. INTRODUCTION TO PROFESSIONAL PSYCHOLOGY - 1 hour
This course is a combination of direct instruction, simulation, and group discussions. It is used to acquaint prospective psychology students with the profession of psychology and the psychology program goals, student learning objectives and requirements of WLU's psychology program. Skills necessary for the completion of the program will be introduced, including but not limited to: understanding of the field of psychology as a whole and differentiating it from other fields, understanding of the structure and requirements of the psychology degree program at WLU, exposure to APA style writing, and practice in analyzing research articles. PSYCHOLOGY MAJORS ONLY.

101. INTRODUCTION TO PSYCHOLOGY - 3 hours
Basic principles essential for a scientific investigation of human behavior.

225. PSYCHOLOGY OF CHILDHOOD AND ADOLESCENCE - 3 hours
Facts and principles involved in the development of infants, children, and youth. Prerequisite: PSYC 101.

252. LIFESPAN DEVELOPMENT - 3 hours
Designed for non-Psychology majors. An overview of human development from a lifespan perspective. Covers various aspects of development (i.e., physical, cognitive, social, psychological, etc.) from conception to death. Prerequisite: PSYC 101.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Psychology. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

301. EXPERIMENTAL PSYCHOLOGY - 3 hours
The planning, running, and interpretation of results of experiments in psychology; original experiments are run by students. Prerequisites: PSYC 101 and SS 250.

320. PSYCHOLOGY OF ADULTHOOD AND OLD AGE - 3 hours
A developmental study of adulthood, middle age and old age, with emphasis on psychological, social, emotional and intellectual processes. Prerequisite: PSYC 101.

322. PERSONALITY PSYCHOLOGY – 3 hours
An overview of multiple theoretical perspectives used in the analysis of personality. Psychological testing and psychotherapies developing from these various theories will also be addressed.

321. PSYCHOLOGY OF PERSONAL GROWTH - 3 hours
Student is viewed as his/her best agent in understanding human behavior and of promoting constructive change. Intensive small group interaction and individual projects are used to stimulate communication and to deal with such issues as personality, sexuality, love, values, work, intimate relationships, loneliness and solitude, and death and dying. Restricted to psychology majors and minors.

335. INTRODUCTION TO LEARNING - 3 hours
A survey of fundamental facts, principles, methodology, and conceptual framework involved in animal and human learning. Prerequisites: PSYC 101, PSYC 301 and SS 250.

336. SENSATION AND PERCEPTION - 3 hours
Appraisal of traditional and contemporary psycho-physical models. General characteristics of the sensory systems, conditions and principles of human perception with emphasis on vision. Prerequisite: PSYC 101.

338. INTRODUCTION TO LEARNING LABORATORY - 1 hour
Introduction to the experimental investigation of the Psychology of learning. Exercises in both animal and human learning will be conducted. To be taken in conjunction with PSYC 335.

341. PSYCHOLOGY OF ABNORMAL BEHAVIOR – 3 hours
Psychological analysis of mental disorders and abnormal behavior.

345. PSYCHOLOGICAL TESTS AND MEASUREMENTS - 3 hours
An overview of assessment instruments utilized in the psychological evaluation of individuals, and groups. Topical areas will include intelligence, achievement, personality, and interests. Prerequisites: PSYC 341 and Junior standing.

405. FORENSIC PSYCHOLOGY – 3 hours
Forensic Psychology is defined as any type of psychology used within the legal system. It is where the law and psychology intersect. Covered topics include: determining competence to stand trial, how psychology can benefit law enforcement, psychological profiling for the purpose of criminal investigation, interrogation techniques, eyewitness testimony, false confessions and the death penalty. Prerequisite: PSYC 101.

409. HISTORY OF PSYCHOLOGY - 3 hours
A survey of historical figures and systems underlying the various theoretical and conceptual issues in psychology. Prerequisites: PSYC 101 and 322, and Junior or Senior standing.

414. CONSUMER PSYCHOLOGY - 3 hours
The study of the processes involved when consumers purchase products or services to satisfy their needs. Topics include consumer perception, motivation, attitudes, decision making, group identification, and lifestyles.

415. INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY - 3 hours
The application of the principles and methods of the science of behavior and mental processes to people at work. Topics include personnel selection, performance appraisal, motivation, job satisfaction, engineering psychology, and employee safety and health.

416. SOCIAL PSYCHOLOGY - 3 hours
The scientific study of how people think about, influence, and relate to one another in various settings. Topics include conformity, obedience, social beliefs, persuasion, aggression, altruism, and attraction. Prerequisite: PSYC 101.

437. COGNITIVE PSYCHOLOGY - 3 hours
The study of mental processes and activities used in perceiving, remembering, and thinking and their effects on behavior. Prerequisite: PSYC 101.

439. PHYSIOLOGICAL PSYCHOLOGY - 3 hours
A survey of neural and endocrine systems as they relate to behavior, neurophysiology of the sensory organs and motor system, neural mechanisms of learning, memory, motivation, emotion, attention, perception and sleep. Prerequisite: PSYC 101.

446. CLINICAL PSYCHOLOGY AND PSYCHOTHERAPY - 3 hours
An examination of psychology used in a clinical setting, discussion of clinical diagnosis and testing, psychotherapy techniques and community mental health. Prerequisites: PSYC 322, 341, Junior standing.

461. PRACTICUM IN ORGANIZATIONS - 1-6 hours
This course provides an opportunity for students to work as an aide in a selected work environment related to their career interests in order to learn applied skills, make workplace contacts, and apply classroom knowledge. Prerequisites: Senior standing and permission of the Practicum Selection Committee.

462. PRACTICUM IN DEVELOPMENTAL PSYCHOLOGY - 1-6 hours
This course provides an opportunity for student to work as an aide in a selected work environment related to their career interests in order to learn applied skills, make workplace contacts, and apply classroom knowledge. Prerequisites: Senior standing and permission of the Practicum Selection Committee.

463. PRACTICUM IN RESEARCH PROJECT - 1-6 hours
A course in the graduate school bound track in which the student proposes, designs, conducts, and writes up for submission an original empirical investigation. The problem and hypothesis investigated must be current and the design must adequately test the hypothesis so that in the judgment of the faculty of the department, the paper may be submitted for presentation at a professional conference or publication in a professional journal, given that the research hypothesis is supported. Prerequisites: Senior standing and PSYC 101, PSYC 301, SS 250.

464. PRACTICUM IN HUMAN SERVICES - 1-6 hours
This course provides an opportunity for students to work as an aide in a selected work environment related to their career interests in order to learn applied skills, make workplace contacts, and apply classroom knowledge. Prerequisites: Senior standing and permission of the Practicum Selection Committee.

475. CURRENT ISSUES IN PSYCHOLOGY - 3 hours
Acquaints students with the current and historical issues with which psychologists wrestle and attempts to develop some directions that the psychologists of the future could pursue to resolve these issues. Also attempts to have students begin to think like a psychologist and to experience psychology as a growing, meaningful discipline. Prerequisites: Senior standing, PSYC 101.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Psychology. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of the instructor, department chairperson, and college dean.

RELIGION (REL)

250. RELIGIONS OF THE WORLD - 3 hours
Founders, teachings, ethics, literature, divisions and contemporary trends in Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, Shinto, Zoroastrianism, Judaism, Christianity, Islam, and indigenous religions.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Religion. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

301. LITERATURE OF THE HEBREW BIBLE- 3 hours
A study of the Old Testament through the History of Israel; the theological ideas and literary qualities found in the diverse books that constitute the Old Testament. (May be taken as English 301.)

310. NEW TESTAMENT LITERATURE - 3 hours
Roman and Jewish background; life, teachings, significance of Jesus in the gospels; faith of Paul in his letters; early church in Acts, Revelation, and various letters. (May be taken as English 310.) Prerequisite: ENG 102.

335. RELIGIONS OF AMERICA - 3 hours
Sociological examination and personal accounts of contemporary beliefs, culture, and organization of mainstream Protestantism, sectarian Protestantism, Catholicism, Judaism, Black Religions, New Religions.

450. PHILOSOPHY OF RELIGION - 3 hours
A study and comparison of classical and contemporary approaches to religion and human nature, religion and ethics, belief in God, religious experience, religious language, death and immortality. (May be taken as Philosophy 400, Interdisciplinary Philosophy.)

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Religion. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

RUSSIAN (RUS)

101. BEGINNING RUSSIAN I - 3 hours
Intensive training in the four basic skills: comprehension, speaking, reading, and writing.

102. BEGINNING RUSSIAN II - 3 hours
Continued intensive training in the four basic skills: comprehension, speaking, reading, and writing. Prerequisite: RUSS 101 or equivalent.

201. INTERMEDIATE RUSSIAN I - 3 hours
Review of language structure; continued training in the basic skills; intensive reading and discussion of selections about Russian life and/or Russian literature. Prerequisite: RUSS 102 or equivalent.

202. INTERMEDIATE RUSSIAN II - 3 hours
Continued review of language structure; continued training in the basic skills; intensive reading and discussion of selections about Russian life and/or Russian literature. Prerequisite: RUSS 201 or equivalent.

SAFETY EDUCATION (SDE)

232. FIRST AID AND EMERGENCY SERVICES 3 hours
Immediate care of the sick and injured with an emphasis on the use of emergency techniques and equipment. Laboratory involves demonstration of competencies in first aid, CPR, and AED techniques. Treatment for asthma and anaphylactic shock will alse be addressed. American Red Cross Certification available.

252. EMERGENCY MEDICAL TECHNICIAN – 3 hours
This course is an extension of the Community CPR, Professional Rescuer and First Aid and Emergency Services curriculum. Individuals will gain knowledge and practical experience related to emergency medical technology. National Registry Exam. Offered spring semester only.

SOCIAL SCIENCE (SS)

101. SOCIAL SCIENCE PORTFOLIO - 1 hour
In this course all students majoring in Appalachian Studies, Geography, History, Interdisciplinary Pre-Law, International Studies, Political Science, and Sociology will establish their digital program portfolios.

250. STATISTICS IN THE SOCIAL AND BEHAVIORAL SCIENCES - 1 hour
The use of statistics as a tool for describing and interpreting data from correlational and experimental research in the social and behavioral sciences. Course includes a brief introduction to research methodology and the use of computer statistical packages. Prerequisites: Any math course other than MATH 046 and one of the following (depending on major) PSYC 101 or SOC 150 or POLS 101.

251. QUALITATIVE METHODS IN THE SOCIAL SCIENCES - 3 hours
An overview of the use of qualitative methods used in social science research. Students will become familiar with theoretical, methodological and interpretive issues pertaining to surveys, interviews, participant-observation, archives and text analysis.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Social Science. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the college dean.

409. SOCIAL WORK PRACTICE WITH CRISIS AND TRAUMA POPULATIONS - 3 hours
This course will look at the prevention and impact of traumatic events on individuals across various stages of lifespan. Crisis and traumatology research will be presented with emphasis on biopsycholsocialspiritual aspects that affect the assessment, intervention and evaluation of crisis and/or trauma on various populations. Prerequisites: SWK 306 or SWK 441 or PSYCH 341.

450. RESEARCH DESIGN - 3 hours
Introduces qualitative and quantitative research methods in the social sciences. Following a general overview of research methods, students will be directed by faculty in their concentration in designing and planning the research project they will complete in SS 480. Prerequisites: Senior standing.

451. RESEARCH DESIGN LAB - 1 hour
Students will be introduced to research tools and methods appropriate to their area of concentration. To be taken concurrently with SS 450. Prerequisite: Senior standing.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Social Science. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the college dean.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

480. SOCIAL SCIENCE CAPSTONE – 1 hour
In this course, students will submit their program portfolios for mastery of content. To be taken by all students majoring in Appalachian Studies, Geography, History, Interdisciplinary Pre-Law, International Studies, Political Science, and Sociology in their last semester before graduation.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

SOCIAL WORK (SWK)

200. INTRODUCTION TO SOCIAL WORK AND SOCIAL WELFARE - 3 hours
This course is an introduction to the practice of social work with a focus on its concepts, history, knowledge base, values and skills necessary to begin a generalist social work practice. Emphasis is on fields and settings in social work as well as the values, ethics, knowledge and skills base that is unique to social work.

201. ETHNICITY, DIVERSITY AND CULTURAL AWARENESS - 3 hours
This course focuses on ethnic and cultural diversity. The purpose of this course is to increase students' awareness to the numerous and various multicultural groups and components that create the fabric of our country. There is an examination of the various ethnic groups, which came to America, their histories, and their influence of culture on human behavior.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Social Work. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

300. SOCIAL WELFARE POLICIES AND SERVICES - 3 hours
This course is designed to introduce students to social welfare policies and issues in the United States. A study of historical and contemporary legislative as well as political reaction to the social and economic problems that confront society will be systemically analyzed. There will be an emphasis on current welfare structures and how to influence the development of social policy. Prerequisites: SWK 200, SWK 201 and POLS 201.

304. GROWTH AND PERSONAL AWARENESS - 3 hours
Experimental and introspective strategies intended to facilitate personal awareness, understanding of personal development, personal goals and decision-making skills. Prerequisites: SWK 200, SWK 201 or permission of instructor.

306. COUNSELING THEORIES - 3 hours
An introduction to basic counseling theories used in the clinical social work setting. This course will focus on the techniques, interviewing and counseling skills employed by social workers. Prerequisites: PSYC 101, SWK 400.

308. SOCIAL WORK DISASTER RESPONSE - 3 hours
This course focuses on the history, the development, and the application of social work disaster response. Emphasis is placed on the connection between theory and practice, characteristics, strengths, and service needs across all system levels that have experienced either a man-made or natural disaster. Prerequisite: SWK 400.

310. SOCIAL WORK RESEARCH METHODS – 3 hours
This course introduces social work students to concepts related to using scientific methods in social work and the development of a competent evidence-based practice. Prerequisites: SS 250, SWK 200, SWK 201 or permission of instructor.

316. SOCIAL WELFARE IN APPALACHIA - 3 hours
This course examines issues of social welfare by focusing upon the impact of limited resources on diverse Appalachian population. Study integrates theoretical material on culture, ethnicity, poverty, and rural life. Course will provide an overview of needs assessment and provision of social welfare services in the region.

400. SOCIAL WORK PRACTICE I - 3 hours
This is the first course in the social work practice sequence. Content will include interviewing techniques, problem identification, and assessment strategies for intervention, contracts, and service evaluation. Prerequisites: SWK 200, SWK 201 or permission of instructor.

401. SOCIAL WORK PRACTICE II - 3 hours
This is the second course in the social work practice sequence. Content will include concepts, interviewing techniques, and skills, theories and principles of social work practice with families and groups. Prerequisites: SWK 200, SWK 201, SWK 400 or permission of instructor.

402. SOCIAL WORK PRACTICE III - 3 hours
This is the third course in the social work sequence. Content will include theories, models and skills utilized in organizational and community social work practice. Prerequisites: SWK 200, SWK 201, SWK 300, SWK 400, SWK 401 or permission of instructor.

403. FAMILY AND CHILD WELFARE - 3 hours
This course is a comprehensive study of the child welfare system and its services. The focus is on the history of child welfare as well as the current context in which child and family welfare services are developed and provided. Topics covered include adoption, child abuse and neglect, day care, foster care, juvenile delinquency and other child institutions. Case studies are presented. Prerequisite: SWK 200.

409. SOCIAL WORK PRACTICE WITH CRISIS AND TRAUMA POPULATION - 3 hours
This course will look at the prevention and impact of traumatic events on individuals across various stages of the lifespan. Crisis and traumatology research will be presented with emphasis on biopsycholosocialspiritual aspects that affect the assessment, intervention, and evaluation, of crisis and/or trauma on various populations. Prerequisites: SWK 306 or 441 or PSYC 341.

416. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I - 3 hours
This course focuses on the social work principle of person-in-environment for micro, mezzo and macro social work. An analysis of human behavior theories using the social work ecological model and systems framework along with the biological, psychological, social, and cultural perspectives to evaluate problems and issues significant to human development from infancy through adolescence. This is the first course in the HBSE block. Prerequisites: SWK 200, SWK 201 or permission of instructor.

417. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II – 3 hours
This course focuses on the social work principle of person-in-environment for micro, mezzo and macro social work. An analysis of human behavior theories using the social work ecological model

and systems framework along with the biological, psychological, social, and cultural perspectives to evaluate problems and issues significant to human development from young adulthood through the end of the human life cycle. This is the second course in the HBSE block. Prerequisites: SWK 200, SWK 201, SWK 416 or permission of instructor.

441. DIAGNOSIS IN MENTAL HEALTH - 3 hours
This course will introduce the student to the clinical world of mental health. Psychopathology and the DSM-IV-R are studied. Among the topics are depression, anxiety, eating disorders, schizophrenia, and personality disorders. Case studies are integrated into the material along with social work principles. Prerequisite: SWK 200 or PSYC 101.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Social Work. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty, may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

480. SOCIAL WORK FIELD PLACEMENT - 9 hours
The placement experience is intended to be a learning platform to enhance professional development of values, knowledge and skills for generalist social work practice. Must be taken concurrently with SWK 484. Prerequisites: Senior standing and approval of Program Director.

484. SOCIAL WORK CAPSTONE SEMINAR - 3 hours
A social work capstone course aimed at integrating classroom content with field education experience and furthering generalist social work practice. To be taken concurrently with SWK 480. Prerequisites: Senior standing and approval of Program Director.

SOCIOLOGY (SOC)

150. BASIC CONCEPTS OF SOCIOLOGY - 3 hours
Introduction to the scientific study of society, its social organization, institutions and culture and their effects on our lives.

278. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Sociology. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

302. MARRIAGE AND FAMILY RELATIONS - 3 hours
Examination of recent literature on marriage and the family; analysis of courtship customs, mate-selection, and marital relationships.

303. POPULATION AND ENVIRONMENT - 3 hours
Demographic concepts and analysis of population trends and problems in the U.S. and other countries.

320. VICTIMOLOGY - 3 hours
Examines the short and long-term effects of victimization upon individuals and groups by such crimes as domestic violence, rape, street crime, business fraud, corporate negligence, and political wrong-doing. Students explore the latest laws, policies, attempts at prevention and activists' agenda.

330. URBAN SOCIOLOGY - 3 hours
Sociological analysis of the institutions, structure, social values individual goals, and processes of folk societies and modern urban-industrial society; emphasis on trends and problems in American cities. Prerequisites: SOC 150 or Sophomore standing.

350. SOCIAL STRATIFICATION - 3 hours
Students examine why all societies are stratified and explore such questions as: Why is there poverty? Why do some people "make it" and others do not? Students develop an understanding of the macro and micro forces that shape social placement and explore how people succeed in changing opportunity structures to reduce inequality.

402. SOCIAL MINORITIES - 3 hours
Analysis of minority-majority group relations and antagonisms; history and process of accommodation of the racial, ethnic, and religious minorities. Prerequisites: ENG 101 and ENG 102.

415. THE AFRICAN-AMERICAN EXPERIENCE - 3 hours
An intensive study of the struggle for equal rights in America. Prerequisites: ENG 101 and ENG 102.

416. RESEARCH METHODS IN SOCIOLOGY - 3 hours
A writing intensive course that addresses quantitative and qualitative research design in social research, including surveys, sampling, data interpretation, and the methods of evaluation in sociological and criminal justice research.

430. HEALTH AND SOCIAL BEHAVIOR - 3 hours
What are the advantages and barriers to good health according to class, race, gender, age, and geography? We examine the social processes involved in etiology, epidemiology, and treatment of illness, as well as relationships that affect patient care (e.g., doctor-nurse-patient communication). Contemporary healthcare policies and such issues as stress, alternatives to western medicine, and health maintenance organizations are also addressed. Prerequisites: ENG 101 and ENG 102.

440. SOCIOLOGICAL THEORY - 3 hours
Acquaints the student with the major theoretical tools used by sociologists to understand the historical and sociocultural forces that shape the individual and society. The course addresses theory construction as well as the major works and theories of Marx, Durkheim, Weber and Mead with attention to more recent developments in Functionalism, Conflict Theory, Symbolic Interactionism, and Exchange Theory. Prerequisites: ENG 101, ENG 102, SOC 150 and Junior standing.

470. SEMINAR IN SOCIOLOGY - 3 hours
Selected topics based on contemporary issues in sociology. Prerequisites: ENG 101, ENG 102 and SOC 150.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Sociology. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson. Prerequisites: ENG 101 and ENG 102.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean. Prerequisites: ENG 101 and ENG 102.

496. WASHINGTON SEMINAR - 1-3 hours
Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the

length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

497. WASHINGTON INTERNSHIP - 3-6 hours
Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

SPANISH (SPAN)

101. BEGINNING SPANISH I - 3 hours
Intensive Spanish language training in the four basic skills: comprehension, speaking, reading, and writing.

102. BEGINNING SPANISH II - 3 hours
Continued intensive Spanish language training in the four basic skills: comprehension, speaking, reading, and writing. Prerequisite: SPAN 101 or equivalent.

201. INTERMEDIATE SPANISH I - 3 hours
Review of Spanish language structure; continued training in the basic skills; intensive reading and discussion of selections about Hispanic life and/or Spanish literature. Prerequisite: SPAN 102 or equivalent.

202. INTERMEDIATE SPANISH II - 3 hours
Continued review of Spanish language structure; continued training in the basic skills; intensive reading and discussion of selections about Hispanic life and/or Spanish literature. Prerequisite: SPAN 201 or equivalent.

278. SPECIAL TOPICS: SPANISH - 3 hours
A course category for selected topics in the general field of Spanish. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

301. CONVERSATION AND COMPOSITION I - 3 hours
Advanced practice in speaking and writing Spanish. Prerequisite: SPAN 202 or equivalent.

302. CONVERSATION AND COMPOSITION II - 3 hours
Advanced practice in speaking and writing Spanish. Prerequisite: SPAN 202 or equivalent.

303. ADVANCED SPANISH GRAMMAR - 3 hours
An intensive grammar treatment and writing workshop. Students will study all aspects of Spanish grammar and idiomatic expressions. Prerequisites: SPAN 202 or permission of instructor.

325. BUSINESS SPANISH - 3 hours
An introduction to Spanish business language and culture. Emphasis is on business customs and etiquette of Latin American countries as well as Latino communities in the U.S. Prerequisites: SPAN 202 or permission of instructor.

331. SURVEY OF SPANISH LITERATURE- 3 hours
A study of representative works: lectures, discussions, and outside readings. Conducted in Spanish. Prerequisite: A reading knowledge of Spanish. SPAN 302 is recommended.

332. SURVEY OF SPANISH-AMERICAN LITERATURE- 3 hours
A study of representative works: lectures, discussions, and outside readings. Conducted in Spanish. Prerequisite: A reading knowledge of Spanish. SPAN 302 is recommended.

340. SPANISH FOR CURRENT AFFAIRS - 3 hours
This course provides both an introduction to various aspects of contemporary Spanish-speaking world and an intensive training in speaking and listening comprehension. Through the use of current news media, both written and broadcast, we will investigate the major political, economic, technological and social forces that affect Spanish-speaking society today. In addition to assigned readings, we will be closely following Spanish-speaking television and press in order to discuss current events as they happen. Prerequisite: SPAN 202 or permission of instructor.

350. CIVILIZATION OF SPAIN I - 3 hours
Study of the development of Spain and Spanish culture from 500-1492 through texts, art and architecture.

351. SPANISH PRONUNCIATION - 3 hours
Phonetics and orthography, intensive study of formation and production of sounds and intonation, interpretive reading. SPAN 302 is recommended.

355. LATIN AMERICAN CULTURE - 3 hours
Study of the development of Latin American culture from 1492 to the present through texts, art and architecture. Prerequisite: SPAN 202 or permission of instructor.

356. HISPANIC CULTURE IN CINEMA - 3 hours
Study of different social/political movements in the Hispanic world as portrayed through Hispanic cinema from the Reconquest to Colonialism to the Spanish Civil War. Prerequisite: SPAN 202 or permission of instructor.

360. SPANISH TRANSLATION - 3 hours
Contrastive study of written Spanish and English with translation of texts from English into Spanish and from Spanish into English. Prerequisite: SPAN 202 or permission of instructor.

401. SPANISH LITERATURE: THE GOLDEN AGE - 3 hours
Masterworks of that period, with emphasis on novel and drama. Cervantes, Lope de Vega, Calderon, etc. Conducted in Spanish. Prerequisite: A reading knowledge of Spanish.

402. LITERATURE OF THE NINETEENTH CENTURY - 3 hours
Romanticism and Realism; poetry, drama, and the novel; representative authors, Rivas, Esponceda, Becquer, Alarcon, Valera, Galdos, etc. Conducted in Spanish. Prerequisite: A reading knowledge of Spanish.

403. SPANISH CIVILIZATION - 3 hours
Major developments in Spanish and Spanish-American culture. Conducted in Spanish. SPAN 302 is recommended.

404. SPANISH-AMERICAN NOVEL - 3 hours
Representative authors: Guiraldes, Azuela, Gallegos, Rivers, Carpenter, Asturias, and others. Conducted in Spanish. Prerequisite: A reading knowledge of Spanish.

405. CONTEMPORARY SPANISH READINGS - 3 hours
From the “Generation of ‘98” to the present. Unamuno, Valle-Inclan, Baroja, Ortega y Gasset, Garcia Lorca, Cela, and others. Conducted in Spanish. Prerequisite: A reading knowledge of Spanish. SPAN 302 is recommended.

406. “GENERATION OF ‘98” - 3 hours
Study of the thoughts and ideas of this famous generation of writers. Conducted in Spanish. SPAN 302 is recommended.

407. SPANISH POETRY - 3 hours
An overview of Hispanic poetry from 1600 to present. Prerequisite: SPAN 202 or permission of instructor.

410. METHODS OF TEACHING FOREIGN LANGUAGE – 3 hours
This course is designed to prepare future Spanish teachers in the K-12 schools. The course is organized around the Standards for Foreign Language Learning, commonly referred to as the Five Cs: Communication, Cultures, Connections, Comparisons and Communities. Students will learn about current theoretical bases for second-language acquisition and how theory informs classroom practice. The course does not promote a particular methodology, but rather presents principles of learning from which teachers can draw as they make decisions about instruction. Prerequisite: SPAN 202 or equivalent.

470. ADVANCED ORAL EXPRESSION AND PHONETICS - 3 hours
This course examines the linguistic features and properties of various regional and social dialects of Peninsular and standard Latin American Spanish. While students will be trained to produce Standard Spanish, they will develop an appreciation of Hispanic dialects spoken around the world with special emphasis on North American and Latin American varieties. Readings and class discussions will focus on the linguistic rules of various pronunciations, the nature of language change over time and the psychological reality of different accents. Prerequisite: SPAN 202 or permission of instructor.

478. SPECIAL TOPICS - 3 hours
A course category for selected topics in the general field of Spanish. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 3 hours
Directed individual work under the various members of the faculty, may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

499. HONORS SEMINAR - 3 hours
Admission restricted to students approved by the Honors Council. Subject to be determined by seminar members and the leader.

SPEECH PATHOLOGY – AUDIOLOGY (SPA)

150. APPLIED PHONETICS - 3 hours
Study of the standard speech sounds of English and introduction to phonetic analysis of speech. The IPA classification system and articulatory correlates of English phonetics will be introduced and used. Transcription of sounds, words, and connected speech will be required.

151. SURVEY OF COMMUNICATION DISORDERS - 3 hours
Processes and impairments of Human Oral Communication. Topics includes: stuttering, phonology, voice disorders, cleft palate, language disorders. Augmentative communication, hearing and hearing impairment. Intended as introductory course for majors and to provide general information for other professionals.

152. INTRODUCTION TO ACOUSTICS - 3 hours
Elements of acoustics important to the understanding of quantitative aspects of speech and hearing science. This course will study the nature of sound, sound transmission, units of measurement, acoustics characteristics of speech and the use of elementary electronics.

156. ANATOMY AND PHYSIOLOGY OF THE SPEECH AND HEARING MECHANISM - 4 hours
Structural and functional analyses of the peripheral and central auditory mechanisms, and of the respiratory, phonatory, and articulatory mechanism. A lab will accompany.

250. LANGUAGE DEVELOPMENT - 3 hours
Introduction to theory and research related to the normal acquisition of language in children and adolescents.

251. INTRODUCTION TO CLINICAL PRACTICE AUDIOLOGY - 3 hours
Routine clinical procedures in audiology, observation, report writing, record keeping, equipment and hearing testing. Must be taken concurrently with SPA 315.

252. SIGN LANGUAGE I – 3 hours
Introduction to American Sign Language (ASL) includes a brief history of its development, grammatical principles and vocabulary rules. Vocabulary, fingerspelling, and sentence structure is introduced.

254. ARTICULATION AND PHONOLOGICAL DISORDERS - 3 hours
Normal acquisition of the articulatory process and the phonological system. Etiology, assessment and intervention of articulatory and phonological disorders. Prerequisite: SPA 150.

255. SPEECH SCIENCE - 3 hours
Physiologic and related acoustic characteristics of speech. Theories of speech production and speech perception; review of classical and current research in production and perception. Techniques of analysis of speech will be discussed.

300. NEUROANATOMY AND NEUROPHYSIOLOGY OF SPEECH, LANGUAGE, HEARING - 3 hours
Structural and functional description of the nervous system as it relates to communication sciences and disorders. Prerequisites: SPA 151, 156.

308. VOICE AND FLUENCY DISORDERS - 3 hours
Etiology, symptomology, diagnosis and treatment, as well as the nature of voice and fluency disorders of children and adults. Prerequisites: SPA 151 and/or permission of SPA program director.

310. COMMUNICATION PROBLEMS OF THE AGED - 3 hours
Introduces the receptive and expressive communication problems common to older adults. Emphasis is on the management of organic speech disorders associated with aging. Prerequisites: SPA 150, 151, 250, 254 or consent of instructor.

315. AUDIOLOGY PRACTICUM - 2 hours
Supervised clinical practice in administration and interpretation of audiological evaluative procedures. Prerequisite: Must be taken concurrently with SPA 251.

316. LANGUAGE DISORDERS IN CHILDREN AND ADOLESCENTS - 3 hours
A detailed study of the nature of communication problems associated with congenital or acquired impairment of language function in children and adolescents. Prerequisite: SPA 250.

352. SIGN LANGUAGE II - 3 hours
Further instruction in expressive and receptive skills in American Sign Language. Development of advanced vocabulary, and the use of space and expression as a part of the linguistic form of this visual language. Prerequisites: SPA 252.

354. INTRODUCTION TO IDENTIFICATION AUDIOLOGY - 3 hours
Audition, anatomy and physiology of hearing mechanisms; disorders of hearing and consideration for management. Prerequisite: SPA 151, 152.

355. AURAL REHABILITATION - 3 hours
Objectives, theory and techniques in managing the hearing impaired individual. Prerequisites: SPA 251, 315.

400. SPEECH-LANGUAGE SERVICES IN EDUCATION SETTINGS - 3 hours
Administrative and regulatory aspects of school-based programs for persons with communication disorders in education setting. Prerequisites: SPA 250 and permission of SPA program director.

401. SPEECH-LANGUAGE SERVICE IN HEALTH CARE SETTINGS - 3 hours
Administrative and regulatory aspects of healthcare programs for persons with communication disorders in healthcare setting. Prerequisites: SPA 250 and permission of SPA program director.

402. SPEECH PATHOLOGY – OBSERVATION - 3 hours
Directed observation and participation in clinical therapy experiences. Analysis of clinician-client interaction in clinical speech, language, hearing settings. FOR MAJORS ONLY. PERMISSION OF INSTRUCTOR and Prerequisites: SPA 150, 151.

403. CLINICAL PRACTICUM IN COMMUNICATION DISORDERS WITHIN A SCHOOL SETTING - 3 hours
Supervised practicum experience in the management of speech. language, and/or hearing disorders within a school setting. The student will gain therapy experience under the direct supervision of a certified speed pathologist. Prerequisite: SPA 402.

404. CLINICAL PRACTICUM IN COMMUNICATION DISORDERS WITHIN A HEALTHCARE SETTING - 3 hours
Supervised practicum experience in the management of speech, language, and/or hearing disorders within a medical setting. The student will gain therapy experience under the direct supervision of a certified speed pathologist. Prerequisite: SPA 402.

430. DIAGNOSTIC PRINCIPLES AND TECHNIQUES - 3 hours
Materials and procedures for diagnosis of speech and language disorders will be examined. Experience will be provided in test administration and interpretation. Prerequisites: SPA 151, 250, 254, and permission of SPA program director.

452. ADVANCED SIGN LANGUAGE - 3 hours
Emphasizes vocabulary expansion, comprehension of signed information, and development of fluency in conveying a message in sign. Focuses on signing English sentence structure while keeping the conceptual meaning of the message accurate. Total immersion approach will be used. Prerequisites: SPA 252 and SPA 352.

455. PRINCIPLES OF SPEECH-LANGUAGE INTERVENTION - 3 hours
Information will be provided concerning intervention/therapy procedures, construction and administration. Techniques for data collection and interpretation will be introduced as well as the writing of goals and objectives. Prerequisites: SPA 430, and/or permission of SPA program director.

478. SPECIAL TOPICS – 1-3 hours
A course category for selected topics in the general field of speech and hearing pathology, speech science, or hearing science. Students should check the schedule to ascertain what topics are currently being offered. Students are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 HOURS
Directed individual work with the various individual members of the faculty may be offered at any time. Student requests require approval of the instructor and department chairperson.

THEATER (THE)

100. THEATER APPRECIATION – 3 hours
A lecture course examining theater from the perspective of the audience, dealing with theater in performance, theater in everyday life, theater and society, the role of the theater artists and theatrical space, and discussion of essential theatrical styles and dramatic genres and structures.

125. INTRODUCTION OF STAGECRAFT – 3 hours
Lecture and lab. Survey of the various technical components of a production. Study to include basic construction terminology and theory. Emphasis on basic skills.

135. MAKEUP FOR STAGE – 3 hours
An entry level study of the materials and principles governing the theory and practice in design and application of stage makeup.

150. ACTING I: FUNDAMENTALS OF ACTING – 3 hours
Study and practice in fundamentals of acting, including voice and movement, stage terminology and awareness, based upon the Stanislavski actor training system.

155. ACTING FOR NON-MAJORS - 3 hours
Development and understanding of the process of how actors develop performances, scenes, theatre games, improvisational performances. This course is designed for the non-major who has no experience and does not intend to study acting further.

200. CONTEMPORARY DRAMA – 3 hours
Reading and discussing plays from the modern era. Study of production techniques. Prerequisite: THE 100 or instructor's permission.

205. SCRIPT INTERPRETATION – 3 hours
A study of script analysis from page to stage, with emphasis on critical analysis of structure, genre, theme, style, character, language, and dramatic event. Emphasis is placed on how the analysis influences the decisions made by the actor, director, critic, and audience. An introduction to theater research methods.

230. DRAFTING FOR THE STAGE – 3 hours
Drafting technique and building problems; includes an introduction to Computer Aided Drafting. Prerequisite: THE 125.

235. COSTUMING FOR THE STAGE – 3 hours
Ongoing study of materials and principles governing the theory and practice in design and construction of costumes for the stage. No sewing experience required. May be repeated for credit.

245. THEATER PRACTICUM – 1 hour
Practical skills developed in backstage work running crews for Hilltop Players productions, excluding acting. Course may be repeated with the consent of the instructor.

255. ACTING I: FUNDAMENTALS OF ACTING - 3 hours
Study and practice in the fundamentals of actor training, including voice and movement, stage terminology and awareness, based upon the theories developed by Constantin Stanislavski.

257. ACTING FOR MUSICAL THEATRE - 3 hours
This course is designed to provide the singer/dancer training in the style of acting required to perform in musical theatre productions using musical theatre techniques that emphasize the coordination of dialogue, lyrics, and choreography into an integrated quality performance.

265. MOVEMENT FOR THE STAGE I – 3 hours
An introductory study of the concepts of preparing and performing a role on stage with specific emphasis on the physical storytelling by creating a strong, flexible and relaxed body. This course will examine techniques of stage movement, to include neutral mask work, pantomime, yoga, and creating a performance through movement.

270. MOVEMENT FOR THE STAGE II – 3 hours
Develops the actor's body as a tool to create a performance. Builds on the foundation of movement through exploration of Viewpoints and games. Course includes mask work (larval and commedia), yoga, and techniques from Alexander, Laban, and/or LeCoq.

278. SPECIAL TOPICS – 1-3 hours
A course category for selected topics in the general field of Theater. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

279. SPECIAL PROBLEMS – 1-3 hours
Directed individual work in Theater under the various members of the faculty; may be offered at any time. Student requests require approval of the instructor, department chairperson, and school dean.

290. ON-CAMPUS INTERNSHIP – 2 hours
Students will be given specific responsibilities and duties connected with on-campus theatrical productions, including performances, design, technical production, publicity and/or sales. May be repeated for credit.

300. HISTORY OF THEATER I – 3 hours
A study of the development of theater history from antiquity through the English Renaissance, including a section on non-Western theater traditions. Emphasis is placed on the examination of theater as a cultural, social, political, and religious barometer of the times. Representative plays, practitioners, and practices will be examined.

305. HISTORY OF THEATER II – 3 hours
A study of the development of theater history from the Restoration through mid-20th century. Emphasis is placed on the examination of theater as a cultural, social, political, and religious barometer of the times. Representative plays, practitioners, and practices will be examined.

320. DRAFTING FOR THE STAGE - 3 hours
Study and practice of drafting techniques and building problems; includes an introduction to computer-aided drafting techniques. Prerequisite: THE 125.

325. STAGECRAFT – 4 hours
Lecture and Laboratory. A study of the mechanics and maintenance of theatrical lighting instruments with an introduction to lighting design. Prerequisite: THE 125 or instructor's permission.

329. PRINCIPLES OF STAGE MANAGEMENT – 3 hours
This course is designed to introduce the student to the art and practice of stage management. The student will study the basic functions of the stage manager in the theatrical production phase. Prerequisite: THE 100 or instructor's permission.

330. SCENE DESIGN – 3 hours
Discussion of the principles governing the theory and practice of scenic design. Emphasis on script evaluation, concept building, and rendering technique. Prerequisite: THE 230 or instructor's permission.

335. ADVANCED MAKEUP – 3 hours
An advanced study of the art, theory, and practice in design and application of stage makeup. Subjects include, but are not limited to, special effect makeup, mask making, hair ventilating, and prosthetics. Prerequisite: THE 135 or instructor's permission.

340. STAGE LIGHTING I: MECHANICS AND MAINTENANCE – 3 hours
An introductory course covering the basic tools, technologies, and theories of lighting design for the stage. Emphasis on understanding the equipment's functionality, mechanics, and maintenance. Students will use available technical literature, to pursue design problems through theory and the laboratory process.

345. STAGE LIGHTING II: ADVANCED LIGHTING – 3 hours
This course is a continuation of the Lighting Process for the stage focusing on the development of the knowledge of lighting theory by the application of the tools, technologies, and theories of lighting design for the stage and it's allied art forms including, but not limited to, the use of computerized data and storage systems used for lighting design. Students will use available technical literature, to pursue design problems through theory and the laboratory process. Prerequisite: THE 340.

350. ACTING III: PERIOD ACTING – 3 hours
A course designed to explore the acting styles/theories historically demanded of a performer. Students are required to integrate their bodies, minds, and voices through the techniques introduced in the class for the purpose of developing an approach to conventionalized period acting. Prerequisite: THE 250 or instructor's permission.

355. ACTING II: ADVANCED ACTING - 3 hours
Advanced study and practice of realistic acting for the stage based on the theories of major acting teachers throughout history. Class will consist of activities, exercises, and scene studies from the modern canon to deepen the student's ability to find the truth if their performance in the character's mind, body, and voice. Prerequisite: THE 255 or 257.

360. PLAYWRITING: THE ONE-ACT PLAY – 3 hours
Principles of dramatic construction and practice in the writing of one-act plays. Prerequisite: ENG 102 or instructor's permission.

365. VOICE FOR THE THEATER I – 3 hours
A study of the techniques involved in the proper use of voice for acting, based upon the work of Kristen Linklater, Arthur Lessac, or Cicely Berry. The course also includes learning the International Phonetic Alphabet and work in dialects as they would on stage. Prerequisite: THE 150 or instructor's permission.

370. VOICE FOR THE THEATER II – 3 hours
Development of vocal training techniques and utilization of voice as an effective tool for communication on stage; the course content based upon the work of Kristin Linklater, Arthur Lessac, and/or Cicely Berry. Attention paid to the voice and its connections to the body and psyche; techniques for both "freeing" and "shaping" the voice. Prerequisite: THE 365 or instructor's permission.

430. ADVANCED SCENE DESIGN – 3 hours
A course in advanced design skills necessary to conceive a scenic/set design for a play. Students will create all necessary design support documentation, including thumbnail sketches, renderings, CAD drawings, floor plans, elevations, and 3D models in order to

create a clear communication of the design to a potential director. Prerequisites: THE 230, 330.

435. ADVANCED COSTUMING – 3 hours
A course in advanced costume construction and costume crafts. Topics may include tailoring, corsetry, millinery, armor, wigs, masks, and jewelry, both period and modern. May be repeated. Prerequisite: THE 235 or instructor's permission.

440. LIGHTING DESIGN FOR THE STAGE – 3 hours
A course in the fundamentals of the designing with light; learning how to see, exploring the mind's eye, and painting with light. Translating theatrical moments and music into lighting sketches, storyboards, and atmospheres, transitions from one atmosphere to another, and developing points of view and approaches are also studied. Fundamentals of the tools of the lighting designer, preparation for the theater, production techniques, and assistant skills are covered. Prerequisites: THE 230, 330, and 425.

455. ACTING III: PERIOD ACTING - 3 hours
A course designed to explore the acting styles and techniques historically demanded of a performer. Students integrate their body, mind, and voice through techniques from past performance theories, including, but not limited to, commedia dell arte, Renaissance Acting, and/or DelSarte. Prerequisite: THE 255.

460. MOVEMENT FOR THE ACTOR I - 3 hours
A study of the concepts of preparing and performing a role on stage with specific emphasis on the physical storytelling by creating a strong, flexible and relaxed body. This course will examine techniques of stage movement, to include neural mask work, pantomime, yoga, and creating a performance through movement. Prerequisite: THE 250 or instructor's permission.

465. MOVEMENT FOR THE ACTOR II - 3 hours
Develops the actor's body as a tool to create a performance. Builds on the foundation of movement through exploration of Viewpoints and games. Course includes mask work (larval and commedia), yoga, and techniques from Alexander, Laban, and/or LeCoq. Prerequisite: THE 460 or instructor's permission.

470. PLAY DIRECTING – 3 hours
The fundamentals of directing for the stage, with emphasis on play analysis, blocking, and rehearsal techniques. Each student is required to direct a one-act play. Prerequisites: THE 150, 205, 230.

478. SPECIAL TOPICS – 1-3 hours
A course category for selected topics in the general field of Communication. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS – 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of the instructor, department chairperson, and school dean.

490. ON-CAMPUS INTERNSHIP II - 2 hours
This course is designed to provide upperclassmen with specific responsibilities/duties connected with on-campus theatrical productions, including, but not limited to, performance as a principle character, designer, stage management, front of house/publicity. Prerequisite: Junior or Senior status.

TOURISM AND EVENT MANAGEMENT (TEM)

300. INTRODUCTION TO TOURISM AND EVENT MANAGEMENT - 3 hours
A general introduction to global, national, and regional tourism history and development, the economics of tourism, and the many types of businesses and government entities which exist to serve people's traveling, recreational, and entertainment needs. The relationships between these entities and the successful planning and delivery of events such as conventions, sporting events, fundraisers, weddings, and festivals will also be explored.

355. EVENT PLANNING AND VENUE MANAGEMENT - 3 hours
This course presents students with the opportunity to examine the planning and production of events both large and small and introduces them to the management of facilities which house conventions, meetings, sporting events, cultural programs, and related events. Prerequisite: MGT 350, Fall semester, even-numbered years.

401. LEGAL ISSUES IN TOURISM AND EVENT MANAGEMENT - 3 hours
Examines legal aspects of tourism-related practices and organizations, including hotels, restaurants, and other facilities. Uses case study approach to develop understanding of tort and contract liability in the tourism industry. Emphasizes a managerial approach to solving or avoiding potential legal problems relating to tourism development and promotion or managing a related business. Prerequisite: TEM 300. Spring semester, even-numbered years.

460. TRAVEL SERVICES MANAGEMENT - 3 hours
An examination of the activities of businesses which promote and sell travel services to the public. Focuses on commercial carriers (airlines, shiplines, buslines, and railroads) and travel and tour agencies. Prerequisite: MGT 350. Spring semester, odd-numbered years.

461. RESORT MANAGEMENT - 3 hours
An introduction to the management and operation of resorts, including types of resorts and resort guests, unique management and marketing needs, history of resorts, sustainability issues, and current trends. Prerequisite: MGT 350. Spring semester, odd-numbered years.

463. LODGING OPERATIONS MANAGEMENT - 3 hours
Fundamental duties and responsibilities of lodging operations including human resources, accounting, revenue management, sales and marketing, front office, housekeeping, food and beverage, and maintenance and security. Franchising and international lodging issues will also be discussed. Special emphasis placed on guest-employee relations. Prerequisite: TEM 300.

478. SPECIAL TOPICS - 1-3 hours
A course category for selected topics in the general field of Tourism and Event Management.

479. SPECIAL PROBLEMS - 1-3 hours
Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

490. TOURISM AND EVENT MANAGEMENT INTERNSHIP - 3-6 hours
Internship and instruction in a travel, tourism, or event management organization. Emphasis given to the appreciation of the basic principles of tourism and event management. Prerequisite: Senior status and approval of Department Chairperson

GRADUATE COURSES
Collaborative Masters Programs

EDUCATION – Master of Arts in Educational Administration: School Prinicipal

This program is designed to provide eligible students in the West Liberty/Northern Panhandle area with the opportunity to earn the Master of Arts degree in Educational Administration and to qualify for principalship certification.

This M.A. degree is currently offered by West Virginia University through the College of Human Resources and Education, and this collaborative program must meet all of West Virginia University's M.A. program requirements.

The following courses are required in the WLU/WVU collaborative Master of Arts in Educational Administration – School Principal Program.

EDUCATION (EDUC)

500: ADVANCED STUDIES IN HUMAN DEVELOPMENT AND EDUCATIONAL PSYCHOLOGY - 3 hours
An advanced study and application of the physical, cognitive, emotional and social development of diverse children and adults utilizing current theories of development and research implications for teaching and learning to ensure achievement by all students.

502. PROFESSIONAL WRITING – 3 hours
This course involves critical readings and the synthesis of research in the creation of professional writing. Students will examine examples of professional writing and create a research-based literature review and white paper. Particular emphasis will be given to the research process, examination of seminal pieces of literature, and the creation of published-ready works.

503. TECHNOLOGY APPLICATIONS – 3 hours
This course provides an opportunity for students to examine, and gain proficiency using new and innovative technology applications in various aspects of education including teaching, leading, designing professional development, creating interactive workshops, and preparing formal and informal creative presentations. Special emphasis will be given to the selection of appropriate technology and presentation tools that increase the interactive possibilities between presenter and participants.

504. FOUNDATION OF ENTREPRENEURSHIP - 3 hours
This course introduces students to concepts and principles that are foundational for any sort of entrepreneurship, which includes the role that entrepreneurs play as agents of change in a free market economy. Students will also be exposed to various entrepreneurs through guest lectures. Incorporating course content into the K-12 classroom will be emphasized.

505. CREATIVE PROBLEM SOLVING - 3 hours
This course focuses on creative problem solving from an entrepreneurial perspective. Content will introduce students to the concepts of creative problem solving, social entrepreneurship, entrepreneurship, generating innovative ideas, creating entrepreneurial ventures, and the role that entrepreneurship plays within society. It presents the entrepreneur or social entrepreneur as the agent of change in a free market economy, and highlights practical aspects of opportunity recognition, and new venture creation. Incorporating course content into the K-12 classroom will be emphasized.

506. MOTIVATION AND THE DEVELOPMENT OF CREATIVITY - 3 hours
This course is designed to give an overview of research on motivation of learning and achievement, and their effects on the development of creativity. A special focus will be placed on extrinsic and intrinsic motivation and the diverse learning outcomes and creative processes they can evoke. The goal of this class is to make students aware of how important it is to support motivation in the right way, in order to facilitate creativity and academic performance (e.g. creative flow). At the same time, this course is intended to disclose how harmful the wrongful application and treatment of motivation can be to individuals, their learning, and their creative capacities.

508. NATIONAL BOARD PORTFOLIO AND ASSESSMENT SUBMISSION – 3 hours
This course aligns with documented completion of the National Board for Professional Teaching portfolio submission and assessment center requirements. The participant must provide acceptable formal documentation of successful completion of this segment of the National Board Certification process to receive credit for this course.

509. NATIONAL BOARD CERTIFICATION – 6 hours
This course aligns with successful completion of the National Board for Professional Teaching Certification process. Participant must provide acceptable formal documentation of certification to receive credit for this course. (Credit hours are recommended by NBPT).

510. NATIONAL BOARD CERTIFICATION SUMMER INSTITUTE - 3 hours
This multi-day summer institute provides prospective candidates for National Board Certification with an overview of the National Board certification process and the impact of the process on teaching. The institute helps participants decide about pursuing National Board certification and provides a "head start" for those who decide to continue the process. Prerequisite: Eligibility for National Board process.

511. INSTRUCTIONAL DESIGN – 3 hours
The development of 21 st Century learning experiences based upon best practices and the effective integration of technology in a variety of instructional settings. Drawing upon the work of Marzano, instructional modules incorporating varied strategies in a student-centered learning environment will be designed to meet the needs of diverse learners will be developed.

512. ASSESSMENT, ANALYSIS AND EVALUATION FOR THE TEACHING-LEARNING ENVIRONMENT - 3 hours
An advanced study of the development and application of assessments in the educational environment along with the analysis of data to improve teaching and learning for all learners. Current legal and ethical issues, as well as limitations, relating to the application of assessments will be examined in context of current research.

513. ENTREPRENEURIAL PROMOTIONS - 3 hours
This course presents the entrepreneur with the fundamental theories of marketing and selling a product or service. Content will introduce students to the concepts of research, product planning, product communications, sales implementation and after sales services applied to the entrepreneur's vision. Incorporating course content into the K-12 classroom through development of student learning activities will be emphasized.

514. ON-LINE TEACHING AND LEARNING – 3 hours
The theory and practice of developing online communities of learners and student-centered online learning experiences consistent with SREB, American Higher Education Association, and the Sloan Foundation best practices. Special attention is given to learning theories and applications to meet the needs of individual learners in the 21st Century.

516. ADVANCED STUDIES IN HUMAN DEVELOPMENT - 3 hours
This graduate level course is designed to familiarize the educator with the major theories of human development and the continuing research in the field. The purpose of a lifespan perspective is to foster an understanding of the developmental processes at each stage of life and the influences of those processes on human growth and development during the various stages of life.

517. NON-FORMAL EDUCATIONAL MODELS - 3 hours
Coming from Western, traditional education backgrounds, many are familiar with formal educational models (e.g. schools, universities). This course is intended to provide a different approach to learning and knowledge acquisition. It will introduce students to non-formal educational models outside of the traditional classroom environment, for example, community or environmental centers, family surrounding, libraries, museums, organizations, sport facilities, theaters, and workplaces. The course will make several selected site visits to experience non-formal education first-hand.

520. TRENDS AND ISSUES IN EDUCATION - 3 hours
Professional education is continually influenced by issues both inside and outside the field. Individuals interested in the growth and development of children should be involved in these issues in order to better meet children's needs. The specific content of this graduate level course will vary as the issues surrounding education change, but will reflect current topics affecting the initiation, implementation and evaluation of education.

521. EDUCATIONAL PHILOSOPHY - 3 hours
This course will provide a basic framework for philosophical foundations of education, from a historical perspective. Texts from the past, as for example from the ancient Greeks, to the present day will be read, evaluated, and discussed. The students will be encouraged to be reflective, ask questions, and think critically about present day educational models and philosophies. Discourses will take place about current controversies in the field and contemporary problems in education. Students will unite theory and practice by applying philosophical ideas and considering their own educational practices. This class will assist students in creating their own philosophy of education that fits their unique professional lives.

522. TEACHER-LEADER IN THE SCHOOL COMMUNITY- 3 hours
Students will learn the foundational skills necessary for successful coaching and how the coach works to mediate another's perceptions, knowledge base and decisions as well as when and how to incorporate consulting and collaboration in their work, distinguish between coaching and evaluation, and will practice a variety of learning styles in an educational setting.

524. TECHNOLOGY SYSTEMS: HUMAN AND ELECTRONIC – 3 hours
A study of hardware and software management, legal and ethical considerations, and contemporary issues in technology integration.

530. TECHNIQUES FOR ENGLISH LANGUAGE LEARNERS - 3 hours
This course will address research and practices for working with ELL students in inclusive and restrictive settings. Students will examine instructional strategies and develop lessons to meet the needs of ELL students in various instructional settings.

532. CURRICULUM DESIGN: THEORY AND PRACTICE – 3 hours
This course will offer a basic foundation in theories and practices underlying curriculum development in the past, the present, and the future. The goal is to enable students to develop curricula for 21st Century learning. Models of curriculum design and development will be explored on the basis of curriculum specialists. A critical review of these models and their theory and practice will take place. Students will become aware of contemporary trends of curriculum design. They will be encouraged to use their acquired knowledge to build their own effective curriculum for any setting and any level, by integrating the best of theories and practices of what they have learned.-

534. CONTEMPORARY APPLICATIONS OF EDUCATIONAL TECHNOLOGY – 3 hours
In depth examination of instructional applications incorporating visual design, multimedia including digital imagery, audio, and video for face-to-face and online teaching and learning for the 21st Century student and classroom.

535. ARTS INTEGRATION AND MULTICULTURAL LEARNING - 3 hours
This course provides a number of methods and tools for using Arts Integration to foster learning with multinational and multicultural students. It includes various arts areas, as for example, visual art, architecture, dance, drama, film, music, puppetry, and creative writing/literature. Participants will learn how Arts Integration can serve as a cultural, social, and group integration tool, especially for multicultural students who are not otherwise being reached. The applicable methods and tools will be developed through a closer look at Arts Integration and its (1) historical development; (2) research/advocacy; (3) theoretical framework; (4) practical models; (5) definition.

540. HISTORY OF AMERICAN EDUCATION 3 hours
In a historical context, this course examines the political, social, economic, cultural and custodial forces and ideas affecting United States educational developments at all school levels. Prerequisite: Admission to Masters Program.

542. ACTION RESEARCH – 3 hours
Focuses on developing professional educators who understand the role of research and can use data to drive their decision making as well as how effective teachers use leadership and management skills to set high and appropriate goals for student learning and adjust strategies and plans in response to data.

543. FLEXIBLE AND CREATIVE LEARNING ENVIRONMENTS - 3 hours
Classroom design to our present-day schools does not look much different for the one 70 years ago: rows of students' desks, followed by a teacher's desk, and the chalkboard describe the picture. This course seeks to make students aware of the fact that 21st Century learning skills, like communication, collaboration, or problem-solving, cannot be taught effectively in such an antiquated environment. Students will experience personally how flexible, inspiring, and creative workspaces can be designed. Student will transfer these innovative ideas to their chosen area of emphasis and use them to create their own flexible and creative classroom culture.

544. COLLABORATIVE SUPPORT FOR TECHNOLOGY INTEGRATION – 3 hours
Designed to assist professional development practitioners in gaining knowledge and tools necessary to design, implement and evaluate programs for professional growth in an educational context. Provides an understanding of the theories and practices related to change as it impacts decisions about professional development in formal organizations such as educational settings. A case study format is incorporated. Exploration of the role of a technology teacher in the P-12 school with focus on collaborative development of technology-rich student-centered learning experiences for teaching and learning in the 21st Century.

548. PROGRAM DEVELOPMENT AND EVALUATION - 3 hours
Program development and evaluation are necessary processes that can be applied to any program in any field of specialization

related to community education. In order to develop effective educational programs, to guide, and to evaluate them, this course will provide several models, including basic steps, as a starting point for students. In the developmental phase, the students follow specific steps as they plan, implement, and evaluate their educational programs. No project is too small or too big. The projects can range from the development and evaluation of a small workshop to a whole community endeavor. In community education, "programs" can include after-school programming, summer camps, and children's museum exhibits. Prerequisite: EDUC 528.

550. ENTREPRENEURSHIP AND LAW - 3 hours
This course studies the legal issues frequently encountered by entrepreneurs. Among other topics, the course specifically examines the basics of intellectual property law, the governmental legal requirements for starting a for-profit or non-profit organization, as well as the legal issues surrounding the raising of capital and structuring the ownership and leadership of an organization.

552. REFLECTIVE TEACHING AND PROFESSIONAL GROWTH – 3 hours
Examination of personal practice and the development and implementation of an individualized plan for professional growth.

554. CONDUCTING PROFESSIONAL DEVELOPMENT – 3 hours
Designed to assist professional development practitioners in gaining knowledge and tools necessary to design, implement and evaluate programs for professional growth in an educational context. Provides an understanding of the theories and practices related to change as it impacts decisions about professional development in formal organizations such as educational settings. A case study format is incorporated.

560. VENTURE FINANCE AND ANALYSIS - 3 hours
This course applies the skills of financial analysis to the problem of venture financing. Major topics include attracting seed and growth capital from sources such as venture capital, investment banking, government and commercial banks. Other issues include valuing a company, going public, selling out, different forms of ownership, and taxes.

561. COMPARATIVE EDUCATION - 3 hours
This course investigates education throughout the world and the social, political, economic, and cultural forces that shape it. Focus is given to aspects and intersections of PK-12 education, higher education, and nonprofit educational organizations in both the public and private sector.

572. COMMUNITY EDUCATION INTERNSHIP - 3 hours
The community education internship is a required elective for students that choose Community Education as their area of emphasis. It is a 20-30 hour intensive experience.

578. SPECIAL TOPICS IN EDUCATION - 1-3 hours
This is a graduate level course that provides for the study of advanced topics in Professional Education. Need permission of instructor.

579. SPECIAL PROBLEMS IN EDUCATION - 1-3 hours
This is a graduate level course that provides for the study of advanced topics in Professional Education. Need permission of instructor.

580. STUDENT TEACHING FOR GRADUATE EDUCATION - 3 hours
Student teaching course for graduate students needing to complete a clinical practice in a teaching field. Prerequisites: Completed all published requirements for eligibility; and SPED 555, 548.

581. RESEARCH AND CAPSTONE – 3 hours
This course is designed to provide students with an understanding of qualitative and quantitative research methodology with an emphasis on collecting and analyzing data through basic research techniques. As part of this course, students will create a culminating masters level project with a proposed research project. Prerequisites: All courses in common core.

READING (READ)

512. PHONICS AND ADVANCED READING INTERVENTION – 3 hours
Advanced study of the causes of reading difficulties and procedures used to support students with reading difficulties, emphasizing those with learning disabilities, behavior disorders, and mental impairments. Approaches reading difficulty from a holistic view. Attention is given to assessment strategies and the Response to Intervention (RTI) paradigm to organize tiers of instruction. The course is grounded in scientifically based reading research.

SPECIAL EDUCATION (SPED)

501. AUTISM I: CHARACTERISTICS OF AUTISM – 3 hours
Advanced study of the causes of reading difficulties and procedures used to support students with reading difficulties, emphasizing those with learning disabilities, behavior disorders, and mental impairments. Approaches reading difficulty from a holistic view. Attention is given to assessment strategies and the Response to Intervention (RTI) paradigm to organize tiers of instruction. The course is grounded in scientifically based reading research..

502. AUTISM II: AUTISM ASSESSMENTS AND INTERVENTIONS – 3 hours
This course provides specific strategies for teaching individuals with autism. Emphasis is put on assessments and interventions used with individuals with autism. This course includes a 40-hour field experience with autistic clients in an approved setting. Prerequisite: Teaching certification in Behavior Disorders or Multicategorical Special Education or special permission. Prerequisite: SPED 501.

510. INTRODUCTION TO INSTRUCTIONAL PRACTICES FOR THE EXCEPTIONAL CHILD - 3 hours
This graduate level course is intended to provide classroom teachers with the basic principles of classroom organization, instruction, evaluation, and behavioral management and to provide specific details associated with instructional interventions in a variety of academic and skill development areas.

520. COLLABORATIVE TEACHING – 3 hours
Application of collaborative strategies to ensure effective teaching for diverse learners including students with special needs. Focus is given to collaboration with community, family, and school resources and personnel. Strategies for communication and team teaching along with compliance with individual educational plans are addressed.

532. HISTORICAL PERSPECTIVES AND CASE LAW IN SPECIAL EDUCATION - 3 hours
Students will engage in review current case law, updated special education policy, implications of NCLB on IDEA, and the differences between IDEA and ADA for students with disabilities in early childhood, elementary, secondary, and post-secondary settings.

541. CHARACTERISTICS OF STUDENTS WITH SPECIAL NEEDS – 3 hours
Advanced study of foundations of special education and the psychological characteristics of the mild/moderately impaired client. Emphasis is placed on PL94-142, IDEA, etiology, historical, legal, social, educational, vocational, and familial impact of the MI, LD, BD client.

544. ART, DISABILITY AND THERAPY - 3 hours
This course provides an overview of art therapy theory, assessments and techniques addressing student needs with physical, cognitive, medical, and mental disabilities. Students will study the history and development of art therapy and its applications. The course is designed to be mulit-modal in its literary and ethical exposure. It will further include explorations of the therapeutic aspects and concerns in art therapy for the child with disabilities.

548. ASSESSMENT AND INSTRUCTION E/BD - 3 HOURS
The study of assessment techniques, writing IEP's, choosing appropriate behavioral objectives in appropriate curricular areas, construction of materials, test administration, and behavioral intervention are focus areas. Includes a significant clinical component. Prerequisites: SPED 541, EDUC 512.

549. PEER TUTORING IN THE INCLUSIVE CLASSROOM - 3 hours
In this course, students will review research and techniques in the use of peer assisted learning strategies and peer tutoring, discuss methods of supporting general education teachers in the use of peer tutoring in inclusive classrooms, and develop specific plans for classroom implementation.

551. PROACTIVE APPROACHES TO CLASSROOM MANAGEMENT AND SUPPORT – 3 hours
Provides educators with an understanding of principles of social and learning behaviors across school context and ways in which these principles can be utilized to enhance learning. A second focus is on the use of positive behavioral support systems for meeting the behavioral and emotional needs of all students and to establish a safe, positive and supportive learning environment for students with a wide range of special needs. Emphasizes cultural, social, ental health, mobility, and health concerns. Includes exploration of assistive technology and environmental adaptations to enhance learning opportunities.

555. ASSESSMENT AND INSTRUCTION MI/LD – 3 hours
The study of classroom teaching strategies, curriculum design, and assessment techniques for mild and moderately mentally impaired learners and learners with moderate learning disabilities. Emphasis is placed on the development of individualized educational plans and corresponding strategies and activities. Includes a significant clinical component. Prerequisites: SPED 541, EDUC 512.

560. CLOSING THE RESEARCH TO PRACTICE GAP - 3 hours
Special education theory and evidence-based practices in special education teach preparation and research will be identified and discussed. Students will develop strategies and professional development instruction for helping special education teachers implement these theories and practices more freely in the classroom setting in order to improve student learning outcomes. Prerequisite: Permission of the program director.

562. ADVANCED TECHNIQUES IN ORTON-GILLINGHAM - 3 hours
This course will provide an understanding of dyslexia and working knowledge of the Orton-Gillingham approach to teaching reading. Participants will identify and study the characteristics of dyslexia and will be provided an overview of teaching an individual with dyslexia using this systematic, multisensory approach. Orton-Gillingham is a phonetically based, sequential, structured approach effective in the remediation of reading, spelling, and writing of dyslexic students. Sound systems are taught employing all of the learning pathways: auditory, visual, kinesthetic, and tactile. Ths system builds from simple to complex units of language. Students will be required to complete 10 hours of tutoring using the techniques discussed in class in an after-school setting.

566. APPLIED BEHAVIOR ANALYSIS IN SPECIAL EDUCATION - 3 hours
This course provides an extensive overview and analysis of the terminology, theoretical underpinnings, and practical applications of Applied Behavior Analysis in the general and special education environment. Particular emphasis will be given to the design of ABA programs in the treatment of children with autism and related disorders.

574. ASSISTIVE TECHNOLOGY EVALUATION AND IMPLEMENTATION - 3 hours
This course is designed to review current research and practice in assistive technology, examine techniques for conducting multidisciplinary AT evaluations, select appropriate AT supports, develop individual accommodations using high and low technology devices and implement training to support classroom teachers in the use of AT devices. Candidates will implement techniques in a field setting.

577. RESPONSE TO INTERVENTION AND POSITIVE BEHAVIOR SUPPORT PLANS - 3 hours
Students will analyze the theoretical frameworks and seminal research on the development of the Response to Intervention (RTT) framework and School Wide Positive Behavior Support (SWPBS) systems. Students will evaluate current practices for fidelity of implementation in these techniques and develop plans to support effective implementation for positive student change.

EDUCATION FOUNDATIONS (EDF)

519. EDUCATIONAL PSYCHOLOGY - 3 hours
Study of learning theories and their applications to teaching.

535. TESTS AND MEASUREMENTS - 3 hours
History, philosophy and elementary statistical methods for testing, measuring and evaluating pupil behavior are studied.

581. THESIS - 6 hours
Individual research in a selected area of nursing under direction of a faculty member. Prerequisite: NUR 506.

EDUCATIONAL LEADERSHIP (EDL)

500. LEADERSHIP THEORY - 3 hours
This course will provide a theoretical overview and philosophical orientation to the nature and function of leadership in a broad range of organizational structures. The role of leader versus manager will be examined as will the framework of leadership within an organizational context.

518. SCHOOL BUSINESS ADMINISTRATION - 3 hours
This course is designed to provide the prospective school administrator with the basic knowledge and skills necessary to efficiently and effectively manage the fiscal and physical resources to en-

hance the purpose of schooling: teaching and learning. Prerequisite: Admission to Masters Program.

520. HUMAN RESOURCES AND PERSONNEL ISSUES - 3 hours
This course is an examination of strategic planning as it relates to the organizational priorities of personnel and facilities with particular emphasis on budgetary allotments and external fundraising. The role of the leader to successfully address these demands, while supporting and addressing personnel needs, will be addressed.

531. PRINCIPLES OF SUPERVISION - 3 hours
This course is an introduction to the concepts and methods of instructional supervision, a professional practice that is directed toward improving instruction in public schools. Prerequisite: Admission to Masters Program.

533. EDUCATION LAW - 3 hours
This course is designed to influence the policies and practices of future school administrators through the practical application of the knowledge of school law including state and federal regulations, and court decisions. Prerequisite: Admission to the Masters Program.

543. POLICY AND GOVERNANCE IN HIGHER EDUCATION - 3 hours
This course is designed to provide students with an examination of policies and procedures that dictate the governance structure in Higher Education. The course will include policy development and an understanding of different governance structures. Special emphasis will be given to analyze the impact of governance on one's professional practice within the institution, state, and federal entities.

557. CREATIVE LEADERSHIP AND INNOVATIVE THINKERS - 3 hours
This course will provide students an understanding of the right brain thinker as it relates to the growing complexity of innovation and creativity in our society. Students will identify both past and present creative leaders and innovative thinkers and discuss and analyze their path to success, from idea to implementation.

562. DATA DRIVEN DECISION MAKING - 3 hours
This course provides a basis for data driven decision making in educational organizations in PK-12, higher education, and nonprofit in the public and private sectors. Focus is given to using interviews, evaluations, focus groups, and surveys for the purpose of personnel, admission, development, and research decisions.

569. INTERNSHIP (PRINCIPAL) - 3 hours
The education administration internship provides practical experiences in the administering of a public school under the supervision of the school's chief administrator. Prerequisite: Admission to Masters Program.

588. RESEARCH EVALUATION ASSESSMENT - 3 hours
This course is designed to provide students with an overview of the types and purposes of Research, Evaluation, and Assessment in the decision making process of administration. Because of the multiplicity of activities inherent in the administrative process, a variety of methodologies will be explored. Prerequisite: Admission to Masters Program.

589. COMMUNITY AND MEDIA RELATIONS - 3 hours
A study of the systems through which the school system may interact with its community and the public. The course content will include an examination of the administrator's role in promoting effective school-community relations.

595. SITE BASED LEADERSHIP - 3 hours
by social, economical, political and technological forces.

SPORT LEADERSHIP AND COACHING (SLC)

500. FOUNDATIONS OF COACHING – 3 hours
Synthesizes material covering the numerous responsibilities of coaches and presents method of effective coaching at the youth, interscholastic, intercollegiate, and professional levels. General topics covered include developing a coaching philosophy, self and program evaluation, professional accountability, communication skills, management techniques, and practice planning.

520. ATHLETIC ADMINISTRATION – 3 hours
Principles of planning, administration, and the conduction of an athletic program. Topics include budgeting, scheduling, and facilities management.

530. PSYCHOSOCIOLOGY OF SPORT – 3 hours
The exploration of how psychological and sociological factors and theories impact involvement, enjoyment, and performance in sports.

540. CONDITIONING PRINCIPLES - 3 hours
The application of conditioning principles and theories for specific sports. Instruction provides the background for development of pre-season, in-season and off-season conditioning programs for athletes at all ages.

550. INJURY PREVENTION AND SAFETY 3 hours
A presentation of factors contributing to sports injury prevention. Also included is an introduction to basic care and treatment of athletic injuries and first aid treatment procedures including asthma attacks, anaphylactic shock, and insulin shock.

PHYSICIAN ASSISTANT STUDIES (PA)

Didactic

PA- 501. HUMAN ANATOMY AND PHYSIOLOGY-I – 4 hours
This is the first course in a two-part series devoted to the study of human anatomy and physiology. The course will cover topography, internal structures, and functions with correlations to diagnostic modalities currently used by practitioners. Case studies will illustrate the anatomical findings in classical clinical presentations of the most common chief complaints. Pertinent biochemical principles will be integrated into the course to cover cellular structures and processes which impact health and disease. A systems and an intersystem approach is used throughout and reinforced in the guided lab. Topics in A&P-I include the cardiovascular, lymphatic, respiratory, gastrointestinal, and genitourinary systems. Additional topics include water, electrolytes, acid-base balance, and nutrition and metabolism.

PA-502. HUMAN ANATOMY AND PHYSIOLOGY-II – 4 hours
This is the second course in a two-part series devoted to the study of human anatomy and physiology. The course will cover topography, internal structures, and functions with correlations to diagnostic modalities currently used by practitioners. Case studies will illustrate the anatomical findings in classical clinical presentations of the most common chief complaints. Pertinent biochemical principles will be integrated into the course to cover cellular structures and processes which impact health and disease. A systems and

an intersystem approach is used throughout and reinforced in the guided lab. Topics in A&P-II include the integumentary, muscular, skeletal, neurological, and endocrine systems as well as human development. Prerequisite: PA-501.

PA-503. CLINICAL ETHICS – 2 hours
The ethics course is designed to expose the student to legal and ethical dilemmas faced in medical practice. The course presents approaches that facilitate thinking through the complexities of ethical issues in clinical practice. In addition, representative opinions are offered. The format will include assigned readings, reflection and application papers, and class discussions. Topics include death and dying decisions, informed consent, decisional capacity, cultural and religious beliefs, euthanasia and assisted suicide, genetic screening, and the use of humans in clinical research. Students will develop the ability to recognize and think through ethical issues as they arise in their professional practice. They will be prepared to take ethical responsibility as part of the health care team and practice empathy, principles, and protocols that enhance patient welfare.

PA-504. RESEARCH-I – 1 hour
This course is the first course of a two-part series, and introduces the students to methods and common tools used in research. Topics include the research process, types of research, sampling and generalizability, reliability and validity, research design, methods of measurement, data collection, and statistical analysis. The course integrates article reviews by the student. Students will search the internet and critique peer-reviewed medical literature. The course will also provide the students with a working knowledge of research in the physician assistant and general medical profession and stimulate critical thinking. Students will recognize the relevance and value of research in their professional development and obtain the skills necessary to pursue a lifetime of learning through examination and evaluation of current medical literature.

PA-505. RESEARCH-II – 1 hour
This is the second course in a two-part series and builds on theory and concepts learned in Research-I. Students will analyze methods used in medical research and evaluate the reliability of findings. Topics include medical writing, research ethics, research paper design, and critical review of the literature using published research articles. In addition, students will also make recommendations which could improve the research process. Students will cover the essential requirements for a research paper and discuss the AMA paper format. The course will culminate in a critical analysis of peer-reviewed literature, using concepts taught in class. Students will be able to recognize the relevance and value of research in the medical professions. They will also acquire the necessary skills to critique medical literature through examination, evaluation, and application of research theory and methods, and have an understanding of medical writing. Prerequisite: PA-504.

PA-510. PATHOPHYSIOLOGY OF DISEASE-I – 2 hours
This is the first course in a two-part series which provides an introduction to the pathophysiology of disease. The course covers a review of relevant normal structure and function of human organ systems followed by a study of pathophysiological mechanisms that underlie diseases related to that system. Topics covered include cardiovascular, blood, pulmonary, gastrointestinal, liver, exocrine pancreatic, renal, and male reproductive disease. Topics will be covered in coordination with the clinical pharmacology and clinical medicine series. Students will become familiar with the pathogenesis, pathology, and clinical manifestations of disease as organized by system. In doing so, they will obtain the fundamental knowledge essential for further study and management of disease processes. Prerequisite: PA-501.

PA-511. PATHOPHYSIOLOGY OF DISEASE-II – 2 hours
This is the second course in a two-part series providing an introduction to the pathophysiology of disease. The course covers a review of relevant normal structure and function of human organ systems followed by a study of pathophysiological mechanisms that underlie diseases related to that system. Topics covered include nervous system, bone and mineral metabolism, endocrine, immune, rheumatologic, and dermatologic diseases as well as infectious disease and neoplasia. Students will become familiar with the pathogenesis, pathology, and clinical manifestations of disease as organized by system. In doing so, they will obtain the fundamental knowledge essential for further study and management of disease processes. Prerequisites: PA-502, PA-510.

PA-512. PA PROFESSIONAL ISSUES-I – 1 hour
This is the first course of a two-part series designed to acquaint students with the history, development, and current status of the PA profession. Topics include the evolution of the PA profession, current and expected future practice trends, the PA's role as part of the health care team, patterns of health care delivery, and political and legal factors that affect PA practice. Types of health care systems, billing, and patient privacy issues are also presented. In addition, standards of ethical behavior, professional responsibilities, and the importance of membership in professional organizations are emphasized.

PA-516. CLINICAL LAB SCIENCE – 2 hours
This course covers the clinical considerations for laboratory tests based on patient presentation and clinical findings. Indications for ordering the specific test, interpretation of lab results, and correlation with disease processes are covered. Topics include hematology/oncology, urinalysis, and chemistry. An emphasis is placed on interpretation and clinical significance of commonly ordered laboratory tests. The course incorporates both observation and performance of selected laboratory testing procedures applicable to a primary care setting. This includes techniques for the collection and performance of wet preps, gram stain, urinalysis – routine and microscopic, KOH prep, normal saline prep, and blood specimen.

PA-518. BEHAVIORAL MEDICINE – 2 hours
This course is designed to provide an overview of the psychological and social factors that influence human behavior. It will focus on factors that shape health behaviors and response to stressors. In addition, students are taught how behavior can be influenced by illness, leading at times to poor coping skills, and physical and mental manifestations. Topics covered include psychological models of the mind, development through the life cycle, sleep, sexuality, violence, and reaction to illness. Students will learn how to take a proper mental health history and perform a mini-mental examination. This course will provide strategies for students to deal with patients, and give insight into the social and behavioral principles that promote empathy, cultural competency, communication, and collaborative care.

PA-519. HEALTH PROMOTION AND DISEASE PREVENTION – 1 hour
The course provides strategies for fostering a provider-patient partnership and tools for effectively communicating healthy lifestyles. Students will be presented with current information about various conditions commonly seen in the clinical setting. Topics include benefits of prevention, barriers to preventive care, historical perspectives, shared decision-making, selectivity of ordering tests, and improving the delivery of preventative clinical services. Particular attention will be paid to Healthy People 2010. The course also covers selected topics dealing with aspects of preventive medicine and community resources. It explores the efficacy of lifestyle modification in optimizing health. Specific topics include domestic violence, environmental health and sanitation, clinical genetics,

geriatrics, immunizations, trauma, sexually transmitted diseases, women's health, men's health, and systemic diseases. This course provides information to educate the clinician about the importance of incorporating preventative measures and health promotion in all patient encounters.

PA-520. PRINCIPLES OF PHYSICAL DIAGNOSIS-I – 3 hours
Physical Diagnosis-I is the first course in a three-part series, and is designed to introduce Physician Assistant students to the knowledge, skills, and ability to conduct a comprehensive medical interview, to interact appropriately with patients, and to perform the appropriate organ system physical examination. Topics include critical thinking and differential diagnosis, interviewing techniques, examination techniques, equipment use, patient responses, the culturally diverse patient, obtaining the patient history, documentation of information using the SOAP format, and the use of medical terminology. The skin, head and neck, eyes, ears, nose, sinuses, oral cavity, and nutritional assessment are also covered in this course. The format include lectures, written assignments, case presentation, student presentation, role playing, vignettes, reflection papers, and labs. Upon completion of this course, students should be able to present the information obtained in the proper written and oral format, be able to perform the appropriate examination, understand the critical thinking process, and reflect on the need for cultural competency.

PA-521. PRINCIPLES OF PHYSICAL DIAGNOSIS-II – 3 hours
Physical Diagnosis-II is the second course in a three-part series and is designed to further acquaint Physician Assistant students with current methods used in evaluating and diagnosing medical conditions in the general population. It presents information in a lecture format, which is followed by a guided practical lab, a practice session, and then testing of the material covered. Methods utilized include interviewing techniques, proper use of equipment, history taking, note writing, performing examinations, and correlating signs and symptoms with disease processes. Systems covered in this section include the chest, heart, peripheral vascular system, the abdomen, and the male genitalia. During this course, students will also perform OSCEs (Objective Structures Clinical Exams). Upon completion of this course, students should be able to present the information obtained in the proper written and oral format and be able to perform the appropriate examination. Prerequisites: PA-501, PA-520.

PA-522. PRINCIPLES OF PHYSICAL DIAGNOSIS-III – 3 hours
Physical Diagnosis-III is a the final course in a three-part series, and is designed to further acquaint Physician Assistant students with current methods used in evaluating and diagnosing medical conditions in the general population. It presents information in a lecture format, which is followed by a guided practical lab, a practice session, and then testing of the material covered. Methods utilized will include interviewing techniques, proper use of equipment, history taking, note writing, performing examinations, OSCEs, and correlating signs and symptoms with disease processes. Systems covered in this section include the breast, female genitalia, the pregnant female, the musculoskeletal system, and the nervous system. Consideration of special populations such as the pediatric and the geriatric patient will also be covered. The practical culmination will be the performance of a comprehensive physical examination. Upon completion of this course, students should be able to present the information obtained in the proper written and oral format and be able to perform the appropriate examination. Prerequisites: PA-502, PA-521.

PA-526. CLINICAL PHARMACOLOGY-I – 2 hours
This is the first course in a two-part series. This course will introduce students to the principles of pharmacology and clinical pharmacotherapeutics. Topics include discussion of treatment guidelines, indications, contraindications, drug information resources, and case studies. Students will begin an in-depth analysis of pharmacotherapeutics and the application of drugs for the diagnosis, treatment and prevention of disease. A pathophysiologic approach will be used, with emphasis on the rational selection and use of drugs in the care and treatment of the pediatric, adult, and geriatric patient in primary, urgent, and emergent care settings. Specific therapeutic regimens will be reviewed from a systems approach in coordination with the clinical medicine series. Topics include general pharmacologic principles, bacterial, eukaryotic and viral infections, chemotherapy and immunosuppression, cardio vascular, and peripheral neuropharmacology. Prerequisites: PA-501, PA-516, PA-538.

PA-527. CLINICAL PHARMACOLOGY-II – 2 hours
This is the second course of a two-course series. This course provides information on clinical pharamcotherapeutics and pharmacodynamics. Topics include discussion of treatment guidelines, indications, contraindications, drug information resources, and case studies. The student will continue an in-depth analysis of pharmacotherapeutics and the application of drugs for the diagnosis, treatment, and prevention of disease. A pathophysiologic approach will be used, with emphasis on the rational use of drugs in the care and treatment of pediatric, adult, and geriatric patients. Specific therapeutic regimens will be reviewed from a systems approach in coordination with the clinical medicine series. Topics include central neuropharmacology, substance abuse and pain, autacoids, anti-inflammatories, endocrine pharmacology, vitamins and supplements, toxicology, and poisons and antidotes. Prerequisites: PA-502, PA-510, PA-526.

PA-528. CLINICAL MEDICINE-I – 4 hours
This is the first course in a four-part series and provides a study of common medical and surgical disorders encountered in general medicine. Topics include typical clinical presentation, etiology, pathophysiology, diagnostic work-up, formulation of treatment plans and referral. Students will also develop strategies for enhancing patient education and compliance, taking into consideration the socioeconomic and cultural aspects of health care. A correlational approach will be used, with interaction with physical diagnosis, pharmacology, and clinical diagnostics. Lessons will be presented by systems. The format includes formal lectures, discussions, and case presentations. Systems covered include the head, eyes, ears, nose, throat, heart, and lungs and a genetic component. Prerequisites: PA-501, PA-516, PA-520, PA-538.

PA-529. CLINICAL MEDICINE-II – 4 hours
This is the second course in a four-part series and continues the study of common medical and surgical disorders encountered in general medicine. The course content includes typical clinical presentation, etiology, pathophysiology, diagnostic work-up and management of these disorders. Students will also develop strategies for enhancing patient education and compliance, taking into consideration the socioeconomic and cultural aspects of health care. A correlational approach will be used with interaction with physical diagnosis, pharmacology, and clinical diagnostics. Lessons will be presented by systems. The course format includes formal lectures, discussions, and case presentations. Systems covered include the gastrointestinal, male genitourinary, renal, musculoskeletal, and endocrine. Rheumatologic and fluids, electrolytes and acid-base disorders are also covered. Prerequisites: PA-502, PA-510, PA-521, PA-526, PA-528.

PA-530. CLINICAL MEDICINE-III – 4 hours
This is the third course in a four-part series, exposing the student to the study of common medical and surgical disorders encountered in general medicine. Course content includes typical clinical presentation, etiology, pathophysiology, diagnostic work-up, formulation of treatment plan and referral. Students will also develop strategies for enhancing patient education and compliance, taking into consideration the socioeconomic and cultural aspects of health care. Topics covered include dermatology, neurology, infectious diseases, sexually transmitted diseases, oncology/hematology and coagulation disorders, psychiatric disorders, family violence and abuse, rehabilitative medicine, end-of-life issues, and emergency medicine. Prerequisites: PA-511, PA-522, PA-527, PA-529.

PA-531. CLINICAL MEDICINE-IV – 2 hours
This course is designed to orient Physician Assistant students to common medical and surgical disorders with emphasis on primary care concepts in the pediatric and adolescent populations. Students will review pertinent anatomic and pathophysiologic aspect of disease conditions, clinical presentation, physical findings, diagnostic work-up, diagnosis, formulation of treatment plans, and referral. Students will also develop strategies for enhancing patient education and compliance, taking into consideration the socioeconomic and cultural aspects of health care. Prerequisite: PA-530.

PA-535. WOMEN'S HEALTH – 2 hours
This course exposes students to common problems encountered in caring for women. Students will review pertinent anatomic and pathophysiologic aspects of disease conditions, clinical presentation, physical findings, diagnostic work-up, diagnosis, formulation of treatment plans, and referrals. Students will also develop strategies for enhancing patient education and compliance, taking into consideration the socioeconomic and cultural aspects of health care. Topics include pregnancy, fetal medicine, dysmenorrhea, isoimmunization, diabetes and hypertension in pregnancy, complications of pregnancy, labor and delivery, post-partum issues, sexually transmitted diseases, menstrual-endocrine abnormalities, reproductive life extremes, fertility regulation, disorders of pelvic support, ovarian, endometrial, cervical and vulvar neoplasia, and cancer.

PA-536. CLINICAL SKILLS-I – 2 hours
This is the first of a two-part lecture and lab sequence providing a practical approach to management of medical and surgical conditions. This course introduces students to the basic skills and knowledge needed to evaluate and treat common illnesses and injuries. Lectures are followed by practical applications in guided lab sessions. Topics include prescription writing, aseptic techniques, gowning, gloving, venipuncture, IV therapy, casting, splinting, and dermatological procedures using oral/case presentations.

PA-537. CLINICAL SKILLS-II – 2 hours
This is the second of a two-part lecture and lab sequence providing a practical approach to the management of medical and surgical conditions. Topics include radiology, lung and heart sounds, bladder catheterization, nasogastric tube placement, joint access, steroid therapy, anesthesia techniques, BLS, ACLS, and miscellaneous urgent care/primary care procedures. Lectures are followed by practical applications in guided lab sessions. In addition, students will take a PACKRAT and an OSCE exam. Prerequisite: PA-536.

PA-538. MEDICAL MICROBIOLOGY – 2 hours
The student will discuss the mechanisms of microbial pathogenicity and common organisms associated with specific infectious diseases. Students will cover basic structure and physiology, pathogenicity, bacterial growth, virulence factors and basic epidemiology. Organisms covered include bacteria, fungi, parasites, mycoplasmas, rickettsias, chlamydiae, spirochetes, vibrios, and viruses. Upon completion of the course students will become familiar with important micro-organisms and their roles in infectious diseases in preparation for advanced coursework in pharmacology, pathophysiology, and clinical medicine.

PA-539. RURAL MEDICINE – 2 hours
The course explores health disparities in the rural population and special considerations of providing care in this setting. Specific medical conditions that are unique to rural areas in West Virginia will be included. The use of medical networks, medical informatics, and telemedicine will also be covered. In addition, students will be exposed to the principles that guide rural health organizations and the utilization of patient consultation. Finally, students will explore the characteristics of the rural patient and the rural health care provider, the economics of rural health practice, and the quality and role of primary care in the rural setting.

PA-549. PA PROFESSIONAL ISSUES-II – 1 hour
This course is presented as the second of a two-part series of professional issues and will prepare students for transition from the role of student to medical practitioner. Employment considerations and professional liability are included in this section. This section also include patient safety, risk management, interprofessional relationships, resume writing, job search, interviewing strategies, contract negotiation, certification, state licensure, networking, state practice requirements, credentialing, privileging, DEA certification, and supervisory agreement. Prerequisite: PA-512.

Clinical

The clinical phase of the program is 12 months long and consists of clinical clerkships under the supervision of a clinical preceptor. During this phase, students' knowledge and practical skills attained during the didactic phase, is utilized through interaction with clinical faculty and staff. In addition, it provides students opportunities to refine and develop new knowledge and skills. This phase consists of nine clerkships lasting five (5) weeks, for a total of 45 semester units. The clinical clerkships are listed below:

PA-508. ELECTIVE-II (5 weeks) – 5 hours
This five-week clerkship is another opportunity for students to gain additional or new clinical experience. During this rotation students may choose to return to a previous rotation or pursue studies in another area of clinical interest. Students work under the supervision of a licensed clinical preceptor and undergo an end of rotation evaluation. Hours: 40 plus hours per week.

PA-570. FAMILY MEDICINE (5 weeks) – 5 hours
This five-week outpatient clerkship reinforces primary care knowledge and concepts taught during the didactic phase of the program through practical applications. Working as part of a health care team, students are expected to assimilate and correlate patient history, physical findings, and diagnostic studies to make diagnoses and formulate treatment plans. Students will be exposed to a broad range of medical conditions seen in the pediatrics to geriatrics population. This includes patients in long term care. Activities include patient examination, pharmacotherapeutics, treatment modalities, follow-up evaluation, case presentations and documentation. Students work under the supervision of a licensed clinical preceptor and undergo an end of rotation evaluation. Hours: 40 plus per week.

PA-571. INTERNAL MEDICINE (5 weeks) – 5 hours
This five-week clerkship allows students to demonstrate knowledge, clinical examination techniques, and other learned competencies in the inpatient and outpatient settings. Students correlate pathophysiology, clinical signs and symptoms, and diagnostic studies to make assessments and formulate treatment plans. Students also participate in follow-up evaluations. The rotation covers patients along the continuum of life from young adult to geriatrics,

including long term care. Activities included patient examination, pharmacotherapeutics, treatment modalities, follow-up evaluations, case presentations and documentation. Students work under the supervision of a licensed clinical preceptor and undergo an end of rotation evaluation. Hours: 40 plus per week.

PA-572. EMERGENCY MEDICINE (5 weeks) – 5 hours
This five-week clerkship allows students to demonstrate knowledge, clinical examination techniques, and other learned competencies in the urgent and emergent settings. Students correlate pathophysiology, clinical signs and symptoms, and diagnostic studies to make assessments and formulate treatment plans. The rotation covers patients along the continuum of life spectrum. Activities include patient examination, pharmacotherapeutics, other treatment modalities, follow-up evaluation, case presentation and documentation. Conditions include cardiac, respiratory, trauma, and other life-threatening conditions. Procedures include reduction techniques, suturing, aspirations, IV placements, splinting, and minor surgical procedures. Students will also interact with members of the surgical and medicine teams. Students learn when and how to make proper referrals, interpret laboratory and radiological studies, formulate treatment plans, discharge, refer, and admit patients. Students work under the supervision of a licensed clinical preceptor and undergo an end of rotation evaluation. Hours: 40 plus per week.

PA- 573. PEDIATRIC AND ADOLESCENT MEDICINE (5 weeks) – 5 hours
This five-week clerkship exposes students to patients in the pediatric and adolescent age groups. Students use knowledge, examination techniques, diagnostic studies, and current treatment modalities to diagnose and treat medical conditions commonly found in this patient population. Students also learn how to perform common pediatric treatment procedures in the inpatient and outpatient settings. Students will learn to recognize developmental milestones and life-threatening conditions. Students are also expected to perform drug dosage calculations, provide immunizations, and perform well-child and school physicals. Students will also provide health promotion and disease prevention education. Students work under the supervision of a licensed clinical preceptor and undergo an end of rotation evaluation. Hours: 40 plus hours per week.

PA- 574. WOMEN'S HEALTH (5 weeks) – 5 hours
This five-week rotation provides students with the opportunity to apply the principles of pathophysiology, physical diagnosis, clinical lab diagnostics, and therapeutics in treating women from adolescence through their later years in both the inpatient and outpatient settings. Students are expected to become proficient in performing pelvic examinations, saline-preps, KOH preps, specimen collection, and some minor surgical procedures (abscess incision and drainage). Students will evaluate, diagnose, and treat women with conditions such as menstrual irregularities, sexually transmitted diseases, breast conditions, genitourinary symptoms, and neoplasia/cancer of the reproductive tract. In addition, students will be involved in providing prenatal care, preventive education and health promotion related to issues in women's health. Instruction in family planning will also be provided. Students work under the supervision of a licensed clinical preceptor and undergo an end of rotation evaluation. Hours: 40 plus hours per week.

PA-575. GENERAL SURGERY (5 weeks) – 5 hours
This five-week rotation provides students with the opportunity to learn about general and specific principles of treating surgical patients in both the inpatient and outpatient settings. Students will learn how to evaluate, diagnose, manage, and refer patients presenting with surgical conditions. Students will perform pre-operative work-ups and post-operative care for patients. In addition, students will assist in the operating room as part of a surgical team. Mastery of aseptic techniques, gowning, gloving, instrumentation, suturing, and first and /or second assisting will be expected. The rotation will cover surgical conditions across the spectrum of body systems. Late evenings and weekend calls may be scheduled. Students work under the supervision of a licensed clinical preceptor and undergo an end of rotation evaluation. Hours: 40 plus hours per week.

PA-576. BEHAVIORAL MEDICINE/PSYCHIATRY (5 weeks) – 5 hours
This five-week clerkship exposes students to patients with emotional and psychiatric conditions. Students will reinforce concepts of psychopathology, psychotherapeutics, and patient interviewing techniques to obtain patient histories, make diagnoses, and formulate treatment plans. Students are expected to develop skills to manage patients' response to psychiatric illness. The experience includes interaction along the lifespan in both the inpatient and outpatient settings. Students work under the supervision of a licensed clinical preceptor and undergo an end of rotation evaluation. Hours: 40 plus hours per week.

PA-577. ELECTIVE-I (5 weeks) – 5 hours
This five-week clerkship is an opportunity for students to gain additional or new clinical experience. During this rotation students may choose to return to a previous rotation or pursue studies in another area of clinical interest. Students work under the supervision of a licensed clinical preceptor and undergo an end of rotation evaluation. Hours: 40 plus hours per week.

Faculty and Administration

"Graduate study" refers only to terms spent in residence after completion of the highest degree indicated or credits not applied toward this degree. The date in parentheses indicates the first year of employment at West Liberty University.

ALLENDAR, KRENNA, Instructor of Education
B.S., Ohio University, 2002; M.S., Franciscan University, 2008. (2011)

AULERICH, JOHN, Associate Professor of Finance and Chair, Dept. of Accounting, Finance and Information Systems
B.A., Michigan State University, 1992; M.B.A., Syracuse University, 1994; Ph.D., Syracuse University, 2000. (2010)

AULICK, MICHAEL, Associate Professor of Theater and Director of Theatrical Productions
B.A., Marshall University, 1992; M.A., Marshall University, 1996; M.F.A., University of Louisville, 2000. (2009)

BAILEY, JEAN, Associate Professor of Marketing and Interim Dean, Gary E. West College of Business
B.A., West Liberty University, 1976; M.A., Marshall University, 1990. (1987)

BALDAUFF, BRIAN, Instructor of Music and Director of Athletic Bands
B.M.Ed., University of Center Florida, 2005; M.M., University of Michigan, 2008; graduate study: Florida State University, 2011. (2011)

BARONAK, WILLIAM M., Assistant Professor of Communications and Dean, College of Arts and Communication
B.S., Clarion University of Pennsylvania, 1995; M.S., Point Park College, 2000; graduate study: West Virginia University; Ed.D. West Virginia University, 2011. (2001)

BARRICK, CHRISTOPHER, Associate Professor of Music and Chair, Dept. of Music and Theater
B.A., Indiana University of Pennsylvania, 2001; M.S., University of Tennessee-Knoxville, 2003; D.M.A., University of Nebraska-Lincoln (2008). (2008)

BEAGLE, TAMMIE, Assistant Professor of Journalism
C.A.S., West Virginia Northern Community College, 1978; B.S., West Liberty University, 1989; M.A., West Virginia University, 1992; Doctoral studies in progress, West Virginia University. (2008)

BEDASHI, ALLAN, Associate Professor of Physician Assistant Studies, and Program Director
B.S. George Washington University (Health Science), 1989; B.S. George Washington University (Physician Assistant), 1991; M.S., Western University of Health Sciences, 1997; D.H.Sc., Nova Southeastern University, 2009. (2009)

BELL, KEITH, Assistant Professor of Criminal Justice
B.A., Wheeling Jesuit University, 2000; M.S., Marshall University, 2002; Ph.D., Indiana University of Pennsylvania, 2008. (2011)

BERNSTEIN-GOFF, SHELI, Professor of Social Work
B.S.W., Penn State University, 1981; M.S.W., Florida State University, 1985; Licensed Clinical Social Worker: Florida, 1993; Georgia, 1998; West Virginia, 1999. C.T.S. (2003)

BILITSKI, MARY, Assistant Professor of Nursing
B.S. Edinboro University, 1981; M.S., University of Pittsburgh, 1987; graduate study: University of Pittsburgh. (2012)

BLACKWELL, MICHAEL, Instructor of Accounting
B.S., West Liberty University, 1997; C.P.A., 1998; M.B.A., Wheeling Jesuit University, 2000. (2004)

BLOWERS, DAVID, Assistant Professor of Physician Assistant Studies and Clinical Coordinator of Physician Assistant Studies
B.S., Alderson-Broaddus College, 1980; M.P.A.S., University of Nebraska Medical Center, 2003. (2009)

BOWMAN, MARGARET, Associate Professor of Nursing
B.S.N., West Virginia University, 1973; M.S.N., University of Maryland at Baltimore, 1979; Ph.D., Case Western Reserve University, 2005. (2012)

BUCHANAN, HOLLIE, Assistant Professor of Mathematics
B.S., West Virginia University, 1986; M.S., West Virginia University, 1988; Ph.D., West Virginia University, 1998. (2007)

CAMDEN, KEELY, Associate Professor of Education and Dean, College of Education
B.A., Bethany College, 1996; M.S., Old Dominion University, 1997; Ed.D., West Virginia University, 2007. (2009)

CAPEHART, ROBIN C., President
B.A., West Virginia University, 1975; J.D., West Virginia University, 1978; L.L.M., Georgetown University, 1991. (2007)

CARNEY, JUDY E., Assistant Professor of Mathematics
B.S., Slippery Rock University, 1991; M.Ed., California University of Pennsylvania, 1998. (1998)

CATMA, SERKAN, Associate Professor of Economics
B.A., Istanbul University, 2000; M.B.A., West Virginia University, 2002; Ph.D., West Virginia University, 2008. (2007)

CHAE, HO-CHUNG, Assistant Professor Computer Information Systems
B.S., Hanyang University, 1998; M.S., University of North Texas, 2001; Ph.D., University of North Texas, 2009. (2010)

CHASE, GREGORY, Associate Professor of Economics
B.B.A., Eastern Michigan University, 1984; M.B.A., University of Central Florida, 1990; Ph.D., Kent State University, 2001. (2013)

CHEN, LIHUA, Assistant Professor of Management
B.S., University of Science and Technology of China, 2001; M.S., University of Science and Technology of China, 2006; Ph.D., Kent State University, 2011. (2011)

CLAMPITT, NORMAN C., Associate Professor of Chemistry
B.S., Western Carolina University, 1969; Ph.D., Indiana University, 1974. (1995)

CLARK, JAMES, Chief Technology Officer
B.A., West Liberty University, 1974; M.B.A., West Virginia University, 1976. (2002)

COOK, JENNA, Instructor of Mathematics
B.A., West Liberty University, 2007; M.A., Marietta College, 2008. (2009)

COOK, SCOTT A., Dean of Students / Executive Director of Enrollment Services / Registrar A.B., West Liberty University, 1989; M.A. West Virginia University, 1997. (1990)

COWAN, LINDA, Professor of Music
B.S., Indiana University of Pennsylvania, 1994; M.M. Indiana State University, 1996; D.M.A., Rutgers University 2006. (2002)

COX, DARRIN, Associate Professor of History
B.S., West Virginia University, 1997; M.A., West Virginia University, 2002; Ph.D., Purdue University, 2008. (2008)

CRAWFORD, BRIAN L., Professor of Geography and Provost
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CRINITI, STEVE, Associate Professor of English
B.A., Wheeling Jesuit University, 2000; M.A., University of Dayton, 2002; Ph.D., University of Cincinnati, 2008. (2008)

CROW, CRAIG, Assistant Professor of Management
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CRUMBACHER, JAMES, Instructor of Accounting
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CRUTCHFIELD, DIANA, Associate Professor of Criminal Justice
B.A., West Virginia University, 1980; J.D., West Virginia University College of Law, 1983. (2004)

CZERNEK, SANDRA, Instructor of History
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DAVIS, JOHN L., Executive Vice President / General Counsel
B.A., West Virginia University, 1972; J.D., West Virginia University College of Law, 1976. (2000)

DAVIS, SARAH, Instructor of Graphic Design
B.F.A., Columbus College of Art and Design, 1994; M.F.A., Robert Morris University, 2002. (2013)

de JAAGER, ALFRED R., Associate Professor of Music
B.M., Oberlin College, 1958; M.M., West Virginia University, 1964; Ch.M., American Guild Of Organists, 1969; graduate study: West Virginia University, University of Cincinnati. (1966)

DIANDRETH-ELKINS, LEANN, Assistant Professor of Special Education
B.S., Indiana University of Pennsylvania, 1988; M.A., Indiana University of Pennsylvania, 1990; M.Ed., Texas Tech University, 2003; Ed.D., Texas Tech University, 2008. (2013)

DOMYAN, STEVE R., Professor of Speech Pathology-Audiology and Program Director
B.S.H.S., Ohio University, 1971; M.S., West Virginia University, 1975; C.C.C. in Audiology, 1976; graduate study: West Virginia University, Ohio University, 1976; Ph.D., Ohio University, 1993. (1975)

DUNCAN, JEROLD, Instructor of Athletic Training
B.S., Mercyhurst University, 2003; M.S., West Virginia University, 2005. (2013)

duTOIT, MARIE, Assistant Professor of Nursing
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ELLIS-THOMAS, MICHELLE, Assistant Professor and Director of Art Therapy
B.F.A., Sam Houston State University, 1971; M.A., Hahnermann Medical and Graduate University, 1985; M.S., Philadelphia College of Osteopathic Medicine, 2010; graduate studies: University of Texas and St. Joseph's College. (2011)

FAYKUS, TERESA, Associate Professor of Nursing and Coordinator of RN to BSN Program
Ohio Valley School of Nursing; B.S., Ohio University, 1988; M.S., Franciscan University, 2004; DNP, Waynesburg University, 2013. (2004)

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FERGUSON, PEGGY, Instructor of Nursing
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GAUDINO, ANN, Associate Professor of Education
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KREISBERG, ROBERT, Professor of Biology and Dean, College of Sciences
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KREISBERG, MELINDA, Professor of Biology
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KRUSE, ROBERT, Associate Professor of Geography and Interim Dean, College of Liberal Arts
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KUTLENIOS, ROSE, Associate Professor of Nursing and Program Director, Nursing
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LARANCE, JEREMY, Assistant Professor of English
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LASCH, META M., Assistant Professor of Communication and Theatre Arts and Theater Technical Director
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LAU, EVAN, Assistant Professor of Biology
B.S., University of Illinois at Urbana-Champaign, 1993; M.S., University of Illinois at Urbana-Champaign, 1994; Ph.D., University of Wisconsin-Madison, 2000. (2010)

LEE, CHRISTIAN H., Associate Professor of Communications and Coordinator of Campus TV
B.A., Western Maryland College, 1984; M.A., Northern Illinois University 1987. (1989)

LEE, GERALD, Associate Professor of Music and Coordinator of West Liberty Concert Series Program
B.M., Illinois Wesleyan University, 1997; M.M., Indiana University, 1999; D.M.A., University of Michigan, 2002. (2002)

LOCKRIDGE, T. MAURICE, Associate Professor of Accounting
B.S., Chicago State University, 1975; C.P.A., 1981; M.B.A., University of Memphis, 1993; Ph.D., University of Memphis, 2004. (2011)

LOUGHMAN, ZACHARY, Assistant Professor of Biology
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LUKICH, DONNA J., Professor of Nursing
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MA'AFALA, ALBERT, Instructor of Exercise Physiology
B.S., University of California-Berkeley, 2008; M.S., University of Louisville, 2010. (2011)

MARSHALL, MICHAEL J., Professor of Psychology
B.A., California State University of Northridge, 1976; M.A., California State University of Northridge, 1980; Ph.D., Claremont Graduate University, 1987. (1992)

MATUSIAK, MARTYNA, Assistant Professor of Art Printmaking
M.A., University of Opole, Poland, 2007; M.F.A., Indiana University of Pennsylvania, 2010. (2012)

MASKEY, VISHAKHA, Assistant Professor of Management
B.S., Tribhuvan University, 1994; M.S., Tribhuvan University, 1997; M.S., University of Maine, 2001; Ph.D., West Virginia University, 2007. (2008)

MASSEY, ARON, Instructor of Geography
B.S., West Liberty University, 2002; M.A., Kent State University, 2004; graduate study: Kent State University, 2011. (2011)

McCLAIN, TAMMY, Associate Professor of Psychology and Interim Chair, Department of Social and Behavioral Sciences
B.A., University of Charleston, 1990; Psy.D., Wright State University School of Professional Psychology, 1994. (2006)

McCULLOUGH, JOHN P, Professor of Management and Executive Assistant to the President
B.S., Illinois State University 1967, M.S., Illinois State University, 1968 Ph.D., University of North Dakota, 1971; C.D.E., 1972; C.B.E., 1973, C.A.M., 1974; A.P.D., 1977; C.S.P., 1985. (1971)

McCULLOUGH, RYAN, Instructor of Communications and Director of Forensics
B.A., Marshall University, 2004; M.A., Marshall University, 2005; graduate studies: Wayne State University, 2006. (2009)

MICHAUD, THOMAS, Professor of Philosophy and Dean, School of Professional Studies
B.A., Fairfield University, 1974; M.A., Marquette University, 1976; Ph.D., Marquette University, 1982. (2009)

MILLER, TRAVIS, Assistant Professor of Physics and Interim Chair, Department of Natural Sciences and Mathematics
B.S., West Liberty University, 1998; M.S., West Virginia University, 2004. (1998) (2008)

MONTEROSO, CATHERINE, Assistant Professor of Physical and Health Education
B.S., East Tennessee State University, 1990; M.Ed., Azusa Pacific University, 1994. (2009)

NAEGELE, NICOLE, Instructor of English
B.A., West Liberty University, 1996; M.A., Indiana University of Pennsylvania, 1998. (1999)

NICODEMUS, EARL G., Associate Professor of Education
B.S., The Ohio State University, 1970; M.Ed., Miami University (Ohio), 1974; graduate study: Miami University (Ohio). (1976)

NOBLE, FRANK, Associate Professor of Criminal Justice
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The Hughes Lecture Series

A popular program at West Liberty University is the Hughes Lecture Series, which brings to campus nationally-known speakers in government, literature, media, sports, popular arts, and many other fields.

This series is funded through a generous endowment by the late Dr. Raymond G. Hughes, Professor of English. He was a highway to the humanities, the main access to the republic of language and literature for thousands of then West Liberty State College students who thought of him as a friend as well as a teacher. They called him simply, “Doc.”

Throughout most of his long career, 1931 to 1970, no student could be graduated without having taken one of his courses in grammar, composition, speech, journalism, or literature. The ravages of polio, suffered when he was a child, left him paraplegic, lisping, and nearsighted, but left intact his capacious intellect, a hair-trigger humor, and jovial spirit of fellowship. He never let his confinement to a wheelchair prevent him from being in the thick of activities at West Liberty. He was advisor to several fraternities, performed in college plays, subsidized students who could not pay their tuition, and took others with him on his trips worldwide.

The lectures are open to the public, free of charge.