



2007-2008 Academic Year

General Information

Our 171st Year

Chartered by the Legislature of Virginia
March 30, 1837

Chartered by the Legislature of West Virginia
March 1, 1870

WEST LIBERTY STATE COLLEGE BULLETIN

Volume 55

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

West Liberty State College 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 College 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 College 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: Brian L. Warmuth, Director, Human Resources/Affirmative Action Officer, West Liberty State College, 131 Campus Service Center, PO Box 295, West Liberty, WV 26074-0295; E-Mail: warmuthb@westliberty.edu; Phone: 304.336.8029.

The policies and practices listed in this publication are those in effect as of April 1, 2007 and are subject to change. If there are changes which are effective for the 2007-2008 academic year, insofar as possible, these will be announced in The Trumpet 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 STATE COLLEGE • ACADEMIC YEAR CALENDAR FOR 2007-2008

FIRST SEMESTER**	2007
Accelerated Classes begin (Fall Term – Saturday Classes)	11 August
Accelerated Classes begin (Fall Term – Weeknight Classes)	13 August
Residence halls open for new students – freshmen and transfers (10:00 a.m.)	24 August
Freshman orientation	24-26 August
Residence halls open for upperclassmen (10:00 a.m.)	26 August
Registration (7:30 a.m. - 8:30 a.m.)	27 August
Classes begin (9:00 a.m.)	27 August
Labor Day – no classes – day or night	3 September
Last day to enroll or change class schedule	5 September
Alumni Scholarship Bowl XII	15 September
Last date to apply for December graduation	28 September
Accelerated Classes begin (Early Winter Term – Saturday Classes)	13 October
Accelerated Classes begin (Early Winter Term – Weeknight Classes)	15 October
Homecoming	20 October
Mid-Term	26 October
Last day to add Second-Half classes	1 November
Academic Advising and Review Day	2 November
Two-thirds point of semester – last day to withdraw with a grade of “W”	5 November
Pre-registration for spring term	5-16 November
Fall Open House	10 November
Classes end at NOON for Thanksgiving Break	21 November
Thanksgiving Break	22-23 November
Last day of classes and last day to drop a class	7 December
Final Examinations	10-14 December
Last day to apply for May graduation without late fee	14 December
Commencement (11:00 a.m.)	15 December

SECOND SEMESTER **	2008
Accelerated Classes begin (Late Winter – Saturday Classes)	5 January
Accelerated Classes begin (Late Winter – Weeknight Classes)	7 January
Residence halls open for students (1:00 p.m.)	13 January
Registration – Main Hall basement (7:30 a.m. - 8:30 a.m.)	14 January
Classes begin (9:00 a.m.)	14 January
Martin Luther King Day - no classes - day or night	21 January
Last day to enroll or change class schedule	23 January
Mid-Term	7 March
Accelerated Classes begin (Spring Term – Saturday Classes)	8 March
Accelerated Classes begin (Spring Term – Weeknight Classes)	10 March
No application for May graduation will be accepted after	10 March
Spring Break	10-14 March
Spring Open House	TBA March
Last day to add Second-Half classes	20 March
Spring Holiday	21 March
Two-thirds point of semester – last day to withdraw with a grade of “W”	2 April
Pre-registration for summer and fall terms	7-18 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 2008:

Summer I Term	12-30 May
Summer II Term	2-20 June
Summer III Term	23 June - 11 July

** 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 Vice President of Academic Affairs.

ADMINISTRATION AND PROFESSIONAL STAFF

President	Robin Capehart, J.D.
Academic Affairs, Provost/Vice President	Donna Lukich, Ed.D.
Continuing Education and Special Programs, Director	Laurence P. Williams, M.A.
Honors Program, Director	Linda Okey McGinley, Ed.D.
Information Technology Services, Director	James Clark, M.B.A.
Information System Specialist	Phil Kent, M.B.A.
Network Specialist	Rebecca R. McCullough, B.A.
Information System Specialist	Robert Wise, B.S.
Institutional Research and Assessment, Director	John Giesmann, M.A.
Interdisciplinary Studies Degree Program, Coordinator	Margaret Six, M.S.
Library, Director	Cheryl R. Harshmann, M.L.S.
Librarian, Technical Services	Jennifer D. Cross, M.L.S.
Librarian, Systems	LuAnn P. Johnson, M.S.L.S.
Librarian, Instruction	Jeanne V. Schramm, M.L.S.
Regents' B.A. Degree Program, Coordinator	David Wright, M.B.A.
Administration, Vice President	John L. Davis, J.D.
Auxiliary Services, Director	Vacant
Campus Service Center, Administrator	Donna M. Weekley, B.S.
Facilities Management, Director	Jeff Turner, M.S.
Maintenance, Supervisor	Gary Weisner
Housing Maintenance, Supervisor	Joe Mills
Human Resources/AA/EEO/Payroll, Director	Brian L. Warmuth, M.S.
Human Resources Representative	Michele DeRita
Payroll Representative	Mary Blair
Student Union and A.S.P., Administrator	J. Edward Stewart, B.S.
Telecommunications	Vacant
Alumni Association, Director	Ronald A. Witt, Jr., M.B.A.
Coordinator of Alumni Activities	Veronica Berisford, B.A.
Athletics, Director	James W. Watson, M.P.E.
Academic Advisor for Athletics	Heather Gallagher, B.S.
Compliance Coordinator	Heather Gallagher, B.S.
Sports Information, Director	Lynn Ullom, B.A.
Chief Financial Officer/Chief Procurement Officer	Patrick Henry, M.B.A.
Business Office:	
Accountant, Senior	Sherri Mason, B.S.
Business Manager	Cindy McGee, B.S.
Financial Aid Disbursement Officer	Anthony Salatino, M.S.
Institutional Advancement, Vice President	Matthew S. Cottle, B.S., M.B.A.
Corporate/Foundation Relations, Director	Wendy Barbeau, B.A.
Annual Giving, Director	Peg Stipetich, B.S.
Major and Planned Gifts, Director	Susan Oglinsky, B.A.
Regional Development Officer	Charles Jeswilkowski, B.A.
Project Coordinator	Linda McKee
Development Researcher	Vacant
College Relations and Marketing, Director	Tammi Secrist, B.S.
Graphics Designer	Patricia J. Byrd, B.S.

General Information

ADMINISTRATION AND PROFESSIONAL STAFF (continued)

Student Affairs and Enrollment Management, Vice President	J.D. Carpenter, Ed.D.
Admissions, Director	Brenda M. King, B.S.
Admissions Counselor	Stephanie North, B.S.
Admissions Counselor	Latisha Turner, B.A.
Admissions Counselor	Joseph Wakim, M.A.
Admissions Counselor	Rhonda Tysk, B.A.
Student Recruiter	Kim Nemec, B.A.
Events Coordinator	Barbara Kiziminski
Admissions Assistant III	Michelle Panepucci
Admissions Assistant II	Donna Howard
Registrar and Director of Financial Aid	Scott A. Cook, M.A.
Financial Aid Manager	Chris Taskalines, M.A.
Financial Aid Counselor, Senior	Beth Salatino, B.S.
Financial Aid Counselor	Ashlea Bland, B.S.
Records Officer	Amy Balog, B.A.
Student Records Assistant/Veterans Coordinator	Cheryl Mielke
Certification Analyst	Nancy Quigley, B.S.
Records Assistant I	Stacie Bado
Director of the Center for Student Success	Bridgette Duley, M.B.A.
Counselor II	Dawn McCroskey, M.S.W.
Developmental Advising Specialist	Traci Jordan, B.S.
Assistant Retention Specialist	Jason Asbell, B.A.
Campus Life Coordinator	Michelle Pissos, M.M.
Intramural Coordinator	Robert (Bo) McConnaughy
Director of Housing and ResidenceLife	Marcella Snyder, M.B.A.
Area Coordinator/Housing Operations	Anthony Banks, B.A.
Area Coordinator/First Year Experience	Andrew Lewis, B.S.
Area Coordinator/Room Assignment Coordinator	Sara Crowe, B.S.
Student Health Services	Karen Hamilton, R.N.
College Physician	Vic Wood, D.O.
Campus Police Officer, Lead	Thomas Hostutler
Campus Police Officer	Wilbur Shultz
Campus Police Officer	Joseph R. Olejasz, Jr.
Campus Police Officer	Douglas Custer

ACADEMIC ADMINISTRATIVE PERSONNEL

School of Business Administration, Dean	Elizabeth A. Robinson, M.B.A.
Department of Administrative Systems, Chair	Carrie White, J.D.
Department of Financial Systems, Chair	S. Michael Turrentine, J.D.
School of Education, Dean	Beth E. Musser, Ph.D.
Department of Physical Education, Interim Chair	Robert McCormack, M.S.
Department of Professional Education, Chair	Ann Rose, M.Ed.
School of Liberal Arts, Dean	Alfred R. de Jaager, M.M.
Department of Arts and Communications, Interim Chair	William Baronak, M.S.
Department of Arts and Communications, Assistant Chair	Matthew Inkster, D.M.
Department of Humanities, Interim Chair	David Thomas, Ph.D.
Department of Social and Behavioral Sciences, Interim Chair	Brian Crawford, Ph.D.
Department of Social and Behavioral Sciences, Asst. Chair	Michael Marshall, Ph.D.
School of Sciences, Dean	Robert Kreisberg, Ph.D.
Department of Natural Sciences and Mathematics, Chair	Jarrett Aguilar, Ph.D.
Department of Health Sciences, Chair	Steve Domyan, Ph.D.
Clinical Laboratory Science, Program Director	William Wagener, Ph.D.
Dental Hygiene, Program Director	Margaret Six, M.S.
Nursing, Program Director	Monica Kennison, Ed.D.

CAMPUS MINISTRY

Protestant	Rev. Debra Dague
Roman Catholic	Fr. Walter Jagula

HISTORICAL NOTE

West Liberty State College is a forward-looking, four-year public college 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 college 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 seclusion for study and contemplation, West Liberty'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 is about an hour away.

The sprawling 1500-acre Oglebay Park is a ten-minute drive from campus. It 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

West Liberty's student body is rich in ethnic, religious, and cultural diversity. Students are recognized and respected as individuals, while enjoying a friendly atmosphere and a safe, fun place to grow and learn.

The college offers strong liberal arts and professional programs preparing graduates for successful employment or post-graduate studies. About 30% of the student body is pursuing degrees in el-

ementary or secondary teacher education, while 21% is enrolled in business curricula.

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

PHILOSOPHY AND AIMS OF THE COLLEGE

NATURE

West Liberty's primary function is to offer appropriate undergraduate educational programs. The principal curricula are teacher education, liberal arts, fine arts, sciences, business, professional, pre-professional, and technical programs. Besides offering the regular educational program, the college strives to assume leadership in promoting community development.

PHILOSOPHY

West Liberty State College 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 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 college 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, each major division of instruction has particular objectives. The college offers opportunities to accomplish these objectives by pro-

viding guidance and direction and by encouraging freedom of thought and action.

GENERAL GOALS OF THE COLLEGE

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

1. First, the college maintains eight student development goals:
 - A. Ability to evaluate ideas, beliefs, and values through rational and logical thought.
 - B. Ability to express oneself clearly and coherently in speech and writing.
 - C. Understanding of the natural environment and humanity's relation to it.
 - D. Understanding of human behavior, values, and social institutions within a global context.
 - E. Competence in a chosen curriculum that will enhance career opportunities.
 - F. Ability to use one's leisure time in satisfying, productive and creative ways.
 - G. Willingness to examine cultures and life styles in an open-minded manner.
 - H. Achieve competence in career appropriate technologies.
2. The college 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 college'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 college. 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 college intends to maintain goal relevance by measuring progress toward its goals and by periodically reviewing and assessing them.

MISSION

To launch our graduates into community, work, and academic environments ready to be viable contributors with skills and knowledge needed to meet future opportunities and challenges.

CORE VALUES

Student Centered
Caring
Professionalism
Commitment of Excellence Through
Continuous Improvement Personal
Integrity

VISION STATEMENT

West Liberty State College, a forward-looking four-year public college, provides students with contemporary curricula that encompass a variety of degree programs. WLSC is customer-driven and vision-oriented with a focus on student learning. We offer students the opportunity to achieve their educational and personal goals through strong academic and social programs, cultural activities, professional services, and athletic events. Students are recognized and respected as individuals and enjoy a friendly atmosphere and a fun place in which to work and learn. WLSC enjoys productive partnerships with area businesses, public schools, higher education institutions, and government. The college is a vigorous competitor for top quality students and external financial support. Known for being highly effective at meeting student needs, the col-

lege partners with West Virginia's universities to offer collaborative graduate education in several fields and provide well-prepared graduate students.

We recruit excellent traditional and non-traditional students from the primary service area of West Virginia, Ohio, and Pennsylvania. Our customers value quality instruction, efficiency of administration and effective community involvement. We continue to work to include cultural diversity in our student body and workplace. WLSC offers strong liberal arts and professional programs preparing graduates for successful employment and/or post-graduate studies. Our cultural outreach programs, workshops, and seminars are designed to meet the needs of the community. Because of competitive salaries, excellent benefits, and a supportive work environment, WLSC is one of the most desirable places to work in the upper Ohio Valley.

An exceptionally efficient steward of higher education, the college values strategic planning and, through the evaluation process, consistently improves the planning model. Our mission and vision are known across the campus, community, region, West Virginia and the nation. Our dynamic strategic plan guides the actions of WLSC, provides for continuous improvement, and drives the budget planning process.

Alumni are valuable WLSC ambassadors who actively recruit students and refer graduates to employers, and frequently return to campus as participants in activities, seminars, traditions, and ceremonies. They are recognized for exceptional leadership and community service.

STRATEGIC GOALS

In addition to the general goals of the college, West Liberty State College annually updates its strategic plan as mandated by West Virginia Senate Bill 547. The annual strategic planning retreat, composed of a broad representa-

tion 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 State College's seven strategic goals that guide institutional planning are as follows:

1. Create a student-friendly environment by enhancing students well-being.
2. Establish a more challenging academic environment.
3. Market WLSC as a high quality, afford able institution of higher education.
4. Generate, maximize and wisely utilize sufficient financial resources to fulfill the mission and vision of the college.
5. Develop and maintain a campus climate that promotes optimal employee performance, teamwork, continuous improvement and excellence.
6. Have in place the technology and communication infrastructure to support the mission and core values of WLSC.
7. Extend WLSC into the community to meet continuously changing needs of our customers.

ACCREDITATION

West Liberty'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, 30 N. LaSalle Street, Suite 2400, Chicago, IL 60602-2504. Phone: 1-800-621-7440. The college 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 State College is also an accredited institutional member of the National Association of Schools of Music. The Dental Hygiene Program 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 School of Business Administration are accredited by the International Assembly for Collegiate Business Education (IACBE, P.O. Box 3960, Olathe, KS 66063).

CAMPUS FACILITIES

ACADEMIC, SPORTS AND RECREATION COMPLEX - Opened in the summer of 2000, 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 new 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, the office of the custodial services supervisor, and the Student Enrichment Center (counseling, tutoring, ADA).

ARNETT HALL OF NATURAL SCIENCES - This building was named for Denver F. Arnett, Academic Dean of West Liberty from 1955 to 1970. The complex includes 12 laboratories, six general-purpose classrooms, faculty offices, and houses the biology and chemistry units. A modern greenhouse is located on the south end of the building. The excellent laboratories and equipment housed in this beautiful structure are to be found at very few undergraduate institutions in the nation.

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 42-rank, three-manual 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 the college. The College Union is designed to serve the social and extracurricular needs of the students, faculty, staff, administration, and guests. As a branch of the Auxiliary Services administration of the college, the Union serves as a conduit for those services and amenities that make the out-of-class experience a positive aspect of college life.

The College 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 (post office, I.D. card operation, etc), the Union helps make the transition from home to college a pleasant ex-

perience. The college bookstore, the student newspaper, the campus radio station, and guest rooms for parents are also provided in the Union. Limited student employment is provided in the Union allowing the worker to grow while supplementing funds needed to go to school.

The College Union also houses the Auxiliary Services Office. Auxiliary Services makes available programs, services, and facilities to enhance the college experience. The office provides laundry services, vending services, "Topper Card" center services, and on-campus employee housing. Contract administration for food service, custodial service, etc. are arranged from this office. Reservations for meeting rooms in the College Union and the Interfaith Chapel are made through Auxiliary Services. This office may be contacted by telephoning (336) 8024.

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

INTERFAITH CHAPEL - This worship center seats 175 and is equipped with a 33-rank, three-manual 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. In addition, the administrative offices of the president, provost and vice president of academic affairs, registrar, financial affairs, financial aid, human resources and 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.

MEDIA ARTS CENTER - A new wing of the Hall of Fine Arts opened in Fall 2006, 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 the 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 are reference services; reference education classroom; bibliographic instruction; circulation services; and the fiction, videocassette, 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 includ-

ing 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, the college archives, and the college museum. 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. For a listing and description of the residence hall facilities, see page 26.

RUSSEK FIELD - Named for the community leader Stephen J. Russek, the football field is a beautiful natural grass arena with a seating capacity of 4,000.

SHAW HALL - Formerly a women's residence hall named for John Shaw, president from 1908-1919. Shaw Hall currently houses the offices of Admissions, Alumni Association, Campus Safety, College Relations and Marketing, Development, Center for Student Success, and Student Affairs/Enrollment. The college's Health Services Center is also located in this building. Shaw Hall has been placed 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

The first-named is chairperson. Except as noted, faculty members are appointed by the president. All students listed on standing committees have full voting-membership privileges.

Academic Dishonesty Committee:

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 Committee:

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

Academic Suspension, Probation, Dismissal Committee:

Hears cases of those students who desire to appeal decisions concerning academic suspension, probation, and dismissal.

Admissions and Credits Committee:

Administers faculty policies and state regulations regarding problems related to admissions and credits. Members: the Registrar, the Provost, one faculty member elected by the Faculty Senate, and one student elected by Student Government.

Athletics Advisory Board:

Assists in the formulation and implementation of policies and procedures related to the athletics program, and serves in an advisory capacity to the Director of Athletics. Members: the Faculty Athletics Representative, the Director of Athletics, the Senior Women's Administrator, the Chairperson and Vice-Chairperson of the Student-Athlete Advisory Committee, the Band Director, the Director of Alumni Affairs, a community representative who is an alumnus, a representative of the Hilltopper Athletic Club and additional faculty representation to ensure that the committee has a representative from each academic school.

Athletics Rules Compliance Committee: Administers the institution's compliance with National Collegiate Athletic Association (NCAA), West Virginia Intercollegiate Athletic Conference (WVIAC) 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 Committee: A faculty-driven standing committee commissioned to design, implement, and continually evaluate a program of student learning outcomes assessment for West Liberty State College. The requirements of the Higher Learning Commission of the North Central Association of Colleges and Schools and the State of West Virginia dictate that all institutions establish an approved assessment program that measures various learning outcomes of college students. The Assessment Committee, in consultation with the full faculty, is charged with the oversight of the development and implementation of that program for WLSC and serves as a resource for the campus community. The committee is chaired by an appointed faculty member and consists of faculty representatives from each academic school, a student representative, the Provost, the Director of Institutional Research and Assessment, and other administrators.

Concert Series: Selects performers and formulates policies pertaining to the Concert Series. Members: the Dean of the School of Liberal Arts, the Chairperson of the Department of Arts and Communications, the Assistant Chairperson of Arts and Communications, 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: The Provost, and department chairpersons of all academic departments.

Council of School 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 school 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 school that affect course offerings of other schools; 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 school deans, one faculty member from each school, a representative of the Council of Department Chairpersons, the Registrar, and one student elected by Student Government.

Teacher Education/EPPAC: Provides college 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 aca-

demographic 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 schools: number is determined by the number of education programs in the school; two education student representatives; five representatives from public and/or private schools; and one representative from the WV State Department of Education. The Director of Student Teaching serves as a non-voting, ex-officio member. The Director of Teacher Education chairs the committee.

Faculty Development Committee: Meets regularly to design and implement opportunities and programs for the personal development of faculty within their academic disciplines. This includes, but is not limited to, administering travel grants provided by West Liberty State College Foundation for faculty travel to events, conferences, and meetings that support faculty growth and enhance the quality of teaching and service to the institution. Members: faculty members appointed from each academic department and one academic department dean (ad hoc).

Financial Aid Committee: 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: the Provost, a representative from the Student Affairs division, the Financial Aid Director, one faculty member, and one student elected by student government.

General Studies Program Committee: Works in conjunction with the Assessment Committee to provide direct input into establishing assessment criteria for the Program and in designing and implementing a feasible assessment plan. Members: the Provost, Di-

rector of IR & A and a faculty member/administrator from each academic school.

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

Honorary Degrees, Awards and Emeritus Committee: Reviews nominations for honorary degrees, emeritus status and other awards, according to established guidelines and criteria. Members: Provost (chair), one faculty member appointed by the Provost, an alumnus appointed by the Director of Alumni Association, and the Director of the Alumni Association.

Interdisciplinary Studies Committee: 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 vice president of academic affairs. Members: the coordinator and faculty representing each of the four schools of instruction.

Interfaith Campus Ministry: Meets in the second semester of each school year with representatives of the various campus ministries to receive reports of their activities and to assist in resolving problems pertaining to scheduling, facilities, and programming. Members: six faculty members and the Campus Chaplains. (The Campus Chaplains and students representing the various faiths and/or campus ministries are to be named by the committee upon the recommendation of the respective religious group.)

Multicultural Education and Diversity Committee: The Multicultural Educa-

tion 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 four Schools, 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, the Minority Affairs Coordinator, and the Vice President of Student Affairs.

Protection of Human Subjects Committee: 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, School of Sciences, and three faculty members representing the other schools, appointed by the Provost.

Residency Appeal Committee: 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 Committee: 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.

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 Financial Aid Office.

PELL GRANT PROGRAM: A federal non-repayable grant made to students based on financial need. The current grant amount ranges from \$400 to \$4050.

WEST VIRGINIA GRANT PROGRAM: A non-repayable grant applied to a portion of the student's tuition and fee charges and based on financial need. This grant is only available to residents of West Virginia and normally has a deadline of March 1.

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 \$570 to \$600 for students attending West Liberty State College.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (SEOG): A non-repayable grant made to students based on financial need. The current grant amount ranges from \$100 to \$3000.

ACADEMIC COMPETITIVENESS GRANT (ACG): An Academic Competitiveness Grant will provide up to \$750

for the first year of undergraduate study and up to \$1,300 for the second year of undergraduate study to full-time students who are U.S. citizens, eligible for Federal Pell Grants, and who successfully completed a rigorous high school program, as determined by the state or local education agency and recognized by the Secretary of Education. Second-year students must also have maintained a cumulative grade point average of at least 3.0. Students must complete the FAFSA to apply for the ACG.

NATIONAL SMART GRANT: A National Smart Grant (Science and Mathematics Access to Retain Talent) Grant will provide up to \$4,000 for each of the third and fourth years of undergraduate study to full-time students who are U.S. citizens, eligible for a Federal Pell Grant, and majoring in physical, life or computer sciences, mathematics, technology, or engineering, or in a foreign language determined critical to national security. The student must also have maintained a cumulative grade point average (GPA) of at least 3.0 in coursework required for the major. Students must complete the FAFSA to apply for the SMART Grant.

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 \$4000. 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 Office 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.

DIRECT LOAN PROGRAM: A federal subsidized and unsubsidized loan program available to all students. Maximum loan amounts are \$3500 for freshmen, \$4500 for sophomores, and \$5500 for juniors and seniors. The interest rate varies, but is typically 8% or less. Repayment of the interest and principal begins six months after graduation or enrollment ceases EXCEPT for the interest on an unsubsidized loan, which the student is responsible for while still enrolled in classes. An Entrance Interview and Exit Interview are also required for any student receiving a Direct Loan. To apply for a Direct Loan, the student must answer "yes" to the question referring to loan interest on the FAFSA. Entrance and Exit Interviews are conducted by the Financial Aid Office.

PLUS LOAN: A federal loan program available to parents. A PLUS Loan Data Request Form must also be completed in the Financial Aid Office. 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 varies, with 9% being the maximum interest allowed. 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. The FAFSA is not required for the PLUS Loan.

SATISFACTORY ACADEMIC PROGRESS FOR FINANCIAL AID ELIGIBILITY

An institution of higher education whose students receive any type of federal financial assistance as authorized under Title IV of the Higher Education Act of 1965, as amended, is required to define

its standards of satisfactory progress which students must maintain in order to continue to receive such assistance.

At West Liberty State College, the Financial Aid Committee has formulated a satisfactory academic progress policy for students who receive Supplemental Educational Opportunity Grants, College Work-Study Program, Perkins Loans, Pell Grants, Nursing Loans, Direct Loans and PLUS Loans.

The standards of progress are as follows:

I. Qualitative Standards
(Grade-point average)

As part of the progress requirements, students must meet the grade-point average requirements as defined in the "Academic Probation" portion of the West Liberty State College Catalog. Students granted readmission to the College, by the Admissions and Credits Committee, will be considered to have met this portion of the requirements.

II. Quantitative Standards (Hours passed - maximum time frame)

Full-time students enrolled in a degree program will have a maximum time frame of 6 years to complete a degree.

Freshmen must pass ("D" or better) a minimum of 18 credit hours during two consecutive semesters of the regular academic year.

Upperclass students must pass a minimum of 22 credit hours during two consecutive semesters of the regular academic year.

1) If a student begins a semester full-time, and subsequently drops a course or courses after the Last posted day to add/drop, the student is still responsible for meeting the full-time satisfactory progress requirement.

Exception: The West Virginia Grant Program and the Pennsylvania Grant Program each require 24 hours passed.

Part-time students must successfully complete 75% of the hours they attempt. The maximum time frame for

completion of a degree will be considered on an individual case basis.

Summer enrollment may be used to help erase a deficit in hours passed and render the student eligible for aid in coming semesters as monies are available.

The 2.0 Rule: An additional federal regulation requires that students have a 2.0 GPA by the time they have completed two years of college in order to continue to be eligible to receive federal financial aid.

If a student fails to meet the requirement for satisfactory progress by failing to achieve passing grades in the required number of hours for any two consecutive semester periods, the student must make up his/her deficiency at his/her own expense without federally funded assistance. The student's "deficiency" is understood to mean the minimum number of hours passed necessary to give the student the required total for any two consecutive semester periods. These deficiency hours may be taken at West Liberty or any other institution approved by the Registrar's Office.

If a student is informed that he/she is not eligible for aid because of a lack of progress, he/she has the right to appeal, ultimately to the Financial Aid Committee. All such appeals must be delivered first in writing within ten days to the Director of Financial Aid, who will consider whatever extenuating circumstances are presented, and then, if necessary, convene the Financial Aid Committee.

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. Scholarships are awarded to transfer students based on college GPA and high school grade point average, if necessary. Additionally, some scholarships are awarded by vari-

ous departments of the college 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 the spring semester, although positions are occasionally available in the fall. Interested students should contact the Office of Housing and Residence Life for additional information.

INTERCOLLEGIATE ATHLETICS PROGRAM

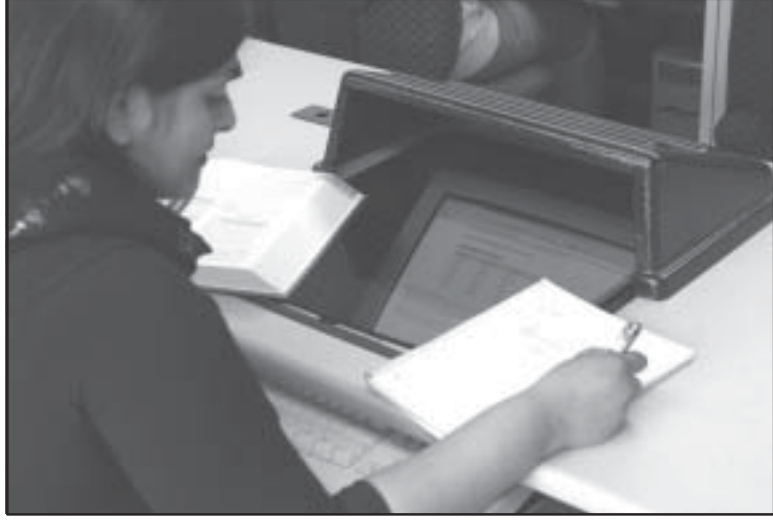
West Liberty State College's Intercollegiate Athletics Program is an integral part of the institution's total educational mission. Fifteen men's and women's sports are offered, providing diverse opportunities to accommodate students' abilities and varying interests (football, women's volleyball, men's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

The college belongs to the 16-member West Virginia Intercollegiate Athletic 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 State 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 W.V.I.A.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 State College 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 for payment through a payment plan authorized by the College. 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 or summer term. 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 or summer term 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 college will withhold all grades and transcripts until such time as the financial obligation is paid. The College may turn delinquent accounts over to a collection agency, which results in an added charge to be paid by the student.

Registration is not completed until a check covering payment of tuition, residence hall cost, board, and fees has cleared the bank upon which it was drawn. 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 College.

Students who pre-register for a semester or summer term will receive an invoice for enrollment fees. Students who do not pre-register will not receive an invoice prior to registration, but will be required to pay all fees by the end of the regular registration day.

A late registration fee shall be imposed upon all students who complete their registration after the regular registration date established by the College. For listing of registration dates, refer to the academic calendar in the front of the catalog or in the summer bulletin.

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 listing of current tuition, fees and other charges is available in the Business Office and Registrar's Office.

It may also be accessed by visiting the West Liberty State College website at WestLiberty.edu.

TUITION REFUND POLICY

A student who withdraws from college 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.

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 State College 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 REPAYMENT POLICIES

Financial aid is to be 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 repaid 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 Disbursement Officer in the Business Office.

REPAYMENT POLICY. Some programs have specific repayment provision for students who withdraw. If the refund is insufficient to cover the required repayment, it will be the responsibility of the student to pay the balance due.

A student owing money to any federally-sponsored student aid program cannot receive any type of federally-supported student aid disbursement for future enrollment periods unless repayment 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 fee for a replacement and the lost permit will be voided. (See page 30 for more information on parking regulations.)

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 college may withhold students' grades, transcripts, and references if they have failed to meet all financial obligations to the college. 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 \$6 fee for the preparation of each additional official transcript. If there is rush priority (same day) transcript request, the fee for preparation is \$20. A written request is required for a transcript. Requests for transcripts should be mailed 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.

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

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.

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 State College for the exact amount of the obligation.

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



Campus Life and Policies

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 college will be asserted only when the college's interests as an academic community are clearly and distinctly involved. In such instances, college action will be responsive to the requisites of college life, and will remain independent of community pressure or censure.

Offenses for which the college 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 State College 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 accredita-

tion 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 State College 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 Affairs, 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 non-disclosure 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 wish-

ing 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 forty-five 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 vice president for academic affairs 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 un-

fair, 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 State College to comply with the Act.

CAMPUS LIFE

Participation in co-curricular organizations and activities is an integral part of the student's total experience at WLSC. Through the diversity of opportunities available, a student can enrich his/her personal, social, and academic development while sharpening skills.

RESIDENCE LIFE

The Office of Housing and Residence Life provides a residence hall experience that compliments and broadens the educational mission of the college. 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 college experience.

Each residence hall is staffed by live-in staff 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 College 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 on campus. All residence halls are non-smoking. Each

residence hall offers its own laundry facilities, and all are located in close proximity to academic buildings and dining.

Beta Hall The hall provides airconditioned suites with semi-private baths. There is a lounge per floor for social and study space.

Bonar Hall 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 was named for Mrs. Robert Lee Boyd of Wheeling in recognition of her services as a member of the State Board of Education.

Curtis Hall 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 was named for Raymond G. Hughes, member of the English faculty from 1931 until 1970. Hughes Hall is suite style, fully-carpeted with airconditioning and semi-private baths.

Krise Hall Krise Hall is a co-ed residence hall for upperclass students. 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 was named for Mrs. George Rogers, Dean of Women for 1937-1952. Rogers Hall also houses the "Market-

place," the on-campus dining facility.

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, swimming, racquetball, walleyball, ping pong, billiards, flag football, aerobics, euchre, and 3-on-3 basketball. This program is operated by the office of the Vice President of Student Affairs.

ALUMNI ASSOCIATION

The West Liberty State College 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 State College 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 State College 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 State College Alumni Association Board of Directors instituted a project in 1990 to demonstrate to current students, visitors, and friends that the college has some very successful graduates. This project, known as the "Alumni Wall of Honor," is a dramatic way to honor some of the college'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 college and a 2002 Alumni Wall of Honor inductee.

The Alumni Wall of Honor is housed in the south end of the College Union known as the Alumni Lounge. Photographs and brief biographies of each inductee may be found on the Alumni Association webpages.

COUNSELING SERVICES

Counseling Services, which is part of the Center for Student Success and is located on the second floor of Shaw Hall. Services provided are **confidential and free of charge**.

Counseling is an educational 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:

- Crisis intervention
- Interpersonal relations
- Personal growth
- Social skills and self-awareness
- Alcohol/drug related concerns
- Referral services
- Eating disorders
- Depression

Students may call (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 SAFETY

The West Liberty State College Department of Campus Safety 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 College community.

Campus law enforcement is primarily the responsibility of the Department of Campus Safety, which provides 24-hour-a-day patrol to the grounds, parking lots, residence halls, academic buildings and the faculty housing area. The Campus Safety Office is located in the south wing of Shaw Hall, along with Student Affairs. Officers can be reached by calling 336-8021.

The Campus Safety 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 Safety officers work closely with the West Virginia State Police, Sheriff's Department, and other law enforcement agencies.

West Liberty State College 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 Safety officers enforce state, local and college 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.

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 College. It contains the following:

1. A summary of the College'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 www.westliberty.edu/students/images/safety.pdf or by stopping by the Campus Safety Office.

CAMPUS AUTOMOBILE REGULATIONS

All motor vehicles parked on campus by the students, faculty, and staff of the College 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 ve-

Campus Life and Policies

hicles on campus must be registered with the Campus Safety 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 college will continue to monitor the demand for parking spaces. Operators of automobiles are asked to report to Campus Safety 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 either 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 College 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 COLLEGE IS NOT
RESPONSIBLE FOR DAMAGE
OR THEFTS.**

DISABILITY SUPPORT SERVICES

The Office of Disability Support Services, which is part of the Center for Student Success, 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 a mobility, visual, hearing, learning, or emotional disability may contact the A.D.A. Coordinator's office for a personal conference.

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

The Disability Support Services Office can arrange to provide the student with several academic and campus life support services tailored to their specific needs. For information, students may call 8216.

HEALTH SERVICES

Provisions of the services to which a student is entitled upon payment of the Health Service fee are detailed below:

1. **REQUIRED CERTIFICATE OF HEALTH.** A certificate of health is required of each student entering the college whether he/she enters as a freshman or as a transfer student. The certificate of health may be completed by the student in advance of registration and sent to the college Health Services. Stu-

dents who fail to submit the required health form may be denied student medical care ordinarily provided by the college.

2. **PHYSICIANS.** During the regular college year a college physician is available each school day (7 a.m.-7:45 a.m.) for consultation with and treatment of college students. No charge is made for office calls during these scheduled hours.
3. **REGISTERED NURSES.** First-aid and simple dispensary treatment will be given by the college nurse, who maintains regular office hours (7 a.m. to 3 p.m.) Monday through Friday. There is no charge for these services.
4. **INJURIES RECEIVED IN SCHOOL ACTIVITIES.** The college, as far as is financially possible, will assume responsibility for the actual cost of treating injuries received in college-sponsored athletics, classes, and laboratories, by students whose fees are paid; **BUT ONLY THOSE BILLS AUTHORIZED BY THE COLLEGE WILL BE PAID BY THE COLLEGE.**

Ordinarily this means treatment given by the college physician, infirmary care, or local hospital expense.

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 336-8030 or by stopping by the office located in Main Hall, West Wing.

CENTER FOR STUDENT SUCCESS

The Center for Student Success 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, located on the second floor of Shaw Hall, houses a variety of resources for students in the area of career services.

Services:

- Volunteer/service assistance
- Leadership and career/interest inventories
- Career workshops/classroom presentations
- Internship exploration/identification
- Resource center and reference library
- Job vacancy listing
- On-campus interview opportunities
- Job /graduate school fairs
- Graduate school catalogs and test registration materials
- Credential files
- Resume referral and fax service
- Computers with Internet access
- Company/graduate school profile folders
- Career Advisory Network
- Undeclared academic advising support
- Job search assistance
- Administration of MAT

Student may call 8018 or come in to make an appointment.

INFORMATION TECHNOLOGY SERVICES

West Liberty State College Information Technology Services (ITS) facilities are located in the basement of East Main Hall. Offices for Network Administration, Oracle Database Reporting and Application Development, Administrative Data Entry, ITS Help Desk and the Student Repair Service. A secure server room, which houses the college's web server and other departmental servers is located in this area.

In an adjacent area the ITS public lab provides open access to 35 Windows and five Macintosh computers, with paid-access to high-speed print and copying capability. Help Desk support is provided for students who use this open lab. This lab is frequently used by groups on campus for academic testing, summer registration, training sessions for departmental software and other conference activities during the summer months.

A Professional Development Lab is maintained in third floor of Main Hall to support faculty digital delivery of instructional content. Several smaller, special purpose departmental computer labs are maintained by ITS at both the main and Warwood campuses. The Student Government-sponsored 24-hour lab in the College Union is maintained by ITS and has four computers with paid-access to high-speed print and copying capability.

ITS assists students with their computing needs by offering a Student Repair Service (SRS) staffed with our best student repair technicians. This service assists any enrolled student with software problems (principally span and virus removal) on a desktop or laptop computer used for academic purposes. Student repair technicians will not diagnose or repair hardware components. An enrolled student must sign a Liability Waiver Agreement before scheduling work with the SRS.

ITS maintains the campus data network. All the residence halls except Beta Hall have both Fast Ethernet at each pillow and wireless access throughout.

There are currently ten wireless classrooms in the academic network. There are two public access wireless areas on the main campus: one in the College Union and the other in the Paul N. Elbin Library.

Two state-of-the-art video distance education classrooms are available for collaboration activities by college departments for masters degree and special program partner institutions. The administrative network connects all staff offices to the SCT Student, Finance and Financial Aid software systems.



Admissions and Academic Policies

ADMISSIONS POLICY

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

Persons desiring to apply for admission should write to the director of admissions to obtain the necessary forms and information. 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, clinical laboratory sciences, nursing, music, teacher education, and the Regents Bachelor of Arts Program; 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.

Students submitting ACT or SAT 1 scores for purposes of undergraduate admission, are expected to sit for the writing assessment part of each exam.

To be eligible for admission, beginning with the fall 2008 semester, 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. SAT 1 scores will be converted to ACT equivalents by using an appropriate conversion chart authorized by the chancellor. 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 State College System of West Virginia has adopted Assessment and Placement Standards for students of the ten colleges in the System, including West Liberty State College. Students entering West Liberty are subject to the following requirements:

English Composition

1. Students may not enroll at any two-year or four-year institution in the State College System in an English compo-

sition 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 College 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 College 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 English 075, Developmental English, 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 College System in a mathematics course which is designed to be applied toward a baccalaureate degree, an associate of arts (A.A.) degree, an asso-

ciate of science (A.S.), an associate of applied science (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 19 or above on the mathematics section of the American College Testing Program's ACT Assessment Test.
 - b. A score of 460 or above on the quantitative portion of the College 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 College 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 College 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 Nelson-Denny 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 WLSC Tutorial Service or Counseling Center for assistance in a reading comprehension program.

IMMUNIZATION REQUIREMENT

All new students of the Higher Education Policy Commission under the jurisdiction of the West Virginia Board of Directors 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 State College 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 college previously attended. (Personnel Clearance Form)

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, G.P.A. and/or test requirements must have been met.

The institution whose credits are presented for advanced standing must be an 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 college to meet graduation requirements. However, in some degree programs, more than 72 hours can be transferred in from two-year colleges.

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, transfer students must have at least a 2.0 average for all work attempted at West Liberty and an overall grade-point average of at least 2.0 for all college-level work attempted. Students transferring from institutions using a grading system different from that used by West Liberty State College shall have the grade-point average computed on the basis of West Liberty's grading system.

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

INTERNATIONAL STUDENTS

West Liberty State College considers qualified applicants from schools and colleges located outside the United States.

International students may be admitted if they have satisfactory academic records and a minimum score of **500 (paper based)** or **173 (computer based)** on the Test of English as a Foreign Language (**TOEFL**). International students must also submit official copies of the American College Test (ACT) or Scholastic Aptitude Test (SAT) scores. International applicants must submit official high school transcripts. If the student has attended a previous college, transcripts must be provided by the college. All foreign high school or

college transcripts and any supporting credentials must be certified English translations.

Applicants must provide documentation that indicates they can meet the financial responsibilities during the period of time they expect to be enrolled at West Liberty State College. Additionally, they must have accident and health insurance in force while they are in attendance at the college.

WLSC DOES NOT HAVE FINANCIAL ASSISTANCE TO OFFER INTERNATIONAL STUDENTS.

If an applicant completes the admissions process according to the policies outlined above but does not register for classes as a full-time student (12 hours or more), the International Student Coordinator is required to notify the Immigration Office immediately (INS FORM I-20B). WLSC is a SEVIS school.

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. (Prior to January 2002 scoring requirements were an average score of at least 45 for the entire test.) 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).

EARLY ENTRANCE PROGRAM FOR HIGH SCHOOL STUDENTS

West Liberty has been authorized to offer an early entrance program for high school students. The college is permitted to admit a limited number of outstanding high school students either in the summer following the completion of their junior year in high school or on a part-time basis during their senior year in high school. 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 college preparatory curriculum in high school; have attained a "B" or better average in high school subjects in the college preparatory curriculum; have the recommendation of the high school principal; and have approval of the director of admissions of West Liberty State College. 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 vice president for academic affairs or registrar prior to enrolling. Under this program students pay regular fees. Official college credit will be recorded after receipt by the Registrar's Office of certification of high school graduation.

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 College Entrance Examination Board. A minimum score of three is required for credit at West Liberty.

For further information concerning Advanced Placement credit, contact the Admissions Office.

REGISTRATION

The calendar of the school year specifies the days when registration occurs. It is important that students reg-

ister on these days. Freshman students are required to be present for orientation preceding the arrival of upperclassmen. Early registration is held during the summer for freshmen and transfer students. All new students are encouraged to participate in the early registration.

65 PLUS PROGRAM

West Virginia residents over the age of sixty-five 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 Registrar's Office and the Admissions Office.

STUDENT ASSESSMENT REQUIREMENT

Beginning with incoming freshmen in the 1998-99 academic year, 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 college. As a result, West Liberty State College 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 college may also withhold transcripts for students who fail to participate. There is no 'grade' or pass/fail standard for assess-

ment tests—merely the requirement to participate at the request of the College.

COMMITTEE ON ADMISSIONS AND CREDITS

Problems concerning admission to West Liberty State College, transfer of credits from another institution, quality-point 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 school dean. The school 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 State College participates in the College Level Examination Program, sponsored by the College Entrance Examinations Board, whereby students who are officially enrolled taking classes at West Liberty State College may obtain college credit upon achieving passing scores on the examinations. Individuals not enrolled at West Liberty State College are eligible to take the exam, but credit will not be awarded until such individuals complete enrollment and are taking classes at the college. 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 Registrar's Office.

ACCELERATED DEGREE PROGRAMS

Each school of the college 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.

For additional information on the West Liberty State College Accelerated Degree Programs, please contact: Business Administration – Carol J. Reuther at 336-8156; Nursing – Dr. Monica Kennison at 336-8062.

AWARDING OF CREDITS FOR WORK AND LIFE EXPERIENCE

Only non-traditional students, enrolled in an accelerated program, may receive credit for work/life experience. Work/life experience credits are established by review of portfolios, which must demonstrate mastery of exit competencies for each course requested by work/life experience. Work/life experience credits may be granted only for courses currently listed in the WLSC course inventory. Work/life experience credits are not used in the computation of G.P.A. and may not be used to meet stated residency requirements. Work/life experience 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 West Liberty State College.

A one-time fee will be charged for the assessment of work/life experience portfolios.

Each school of the college may define how work/life experience credit will be applied to its degree programs. Forms and procedures to be used in applying for work/life experience credit may be obtained from the Office of the Registrar and the offices of the School Deans. No more than 18 hours may be awarded for work/life experience.

CORE COURSEWORK TRANSFER AGREEMENT

System Procedure Number 31 of the State College System of West Virginia, which became effective January 1994, establishes 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-two 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 State College and University Systems, a student could conceivably transfer more than thirty-two 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 State College courses that have been approved for inclusion in the Core Coursework Agreement:

Biology 105/106
 Biology 124/125
 Biology 200-201
 Biology 202/203
 Chemistry 100/101
 Chemistry 110/111
 Chemistry 112/113
 Communication 101
 Economics 101
 Economics 102
 English 101
 English 102
 English 204
 English 205
 English 214
 English 215
 History 103
 History 104

History 211
Math 120
Math 140
Math 145
Math 210
Physics 101/110
Physics 102/111
Physics 190/191
Physics 360
Political Science 101
Political Science 102
Political Science 201
Psychology 201
Social Science 100
Sociology 150
Sociology 156
Sociology 235

For a complete listing of the courses for the state colleges and universities that are included in this agreement, contact the Registrar's Office or the Vice President of Academic Affairs Office.

CREDIT FOR MILITARY SERVICE

Up to four semester hours of credit can be granted to individuals who present a copy of their DD-214 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 State College 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 college credit for coursework completed in the military, if credit is recommended by the American Council on Education (ACE).

VETERANS CERTIFICATION

Students receiving Montgomery G.I. Bill benefits must report to the Registrar's Office for certification.

and social science as general studies

WEST LIBERTY STATE COLLEGE PROGRAM IN WASHINGTON, D.C.

WLSC 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.

The Washington Center has a 30-year history of 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.

During this internship experience, students earn between 9-12 hours of academic credit, and increase employment opportunities in their chosen professional discipline.

ELBIN SCHOLARS PROGRAM

In an effort to attract academically superior students, West Liberty State College established the Elbin Scholars Program named in honor of Dr. Paul N. Elbin, who was President of the college for 35 years.

Participation in the program is only extended to incoming freshmen with an ACT composite score of at least 27 or a combined SAT of 1220 and a high school grade point average of at least a 3.75 on a 4.0 scale.

Although Elbin Scholars receive a significant scholarship package, the program is more than a scholarship program. Additional benefits are:

- college credit may be awarded for freshman English 101, a General Studies Social Science, and a General Studies Mathematics course on the basis of the ACT/SAT scores.
- guaranteed entry into freshman

lems.

- permission to apply for membership in the Honors Program as a freshman.
- participation in the college's mentoring program.
- residence hall assignment, if desired, to Bonar Hall, the honors residence hall, with its 12-hour quiet regulation.
- transcript and graduation ceremony designation as an Elbin Scholar.

To maintain participation in the program an Elbin Scholar must maintain full-time enrollment and a 3.5 cumulative college grade-point average.

For academic information please contact Dr. Peter Staffel, Elbin Scholars coordinator at (304) 336-8193.

HONORS PROGRAM

Goals

The goal of the Honors Program is to foster excellence through personal commitment to scholarly and creative endeavors. These are original challenging studies, experiments, or other creative accomplishments which students wish to pursue in order to enhance their intellectual development.

Honors Program Activities

Students in the Honors Program meet monthly and engage in one or more group projects, the nature of which varies from semester to semester. In addition, the group participates in educational and cultural activities, field trips, and social activities.

Students in the Honors Program enroll in Honors studies for college credit. In these studies they work one-to-one with college faculty in Honors Mentoring pursuing topics of personal interest, or in small group Honors Seminars. As a final requirement for graduation, students complete an Honors Project under the guidance of a faculty project advisor. In addition, Honors Program students, with the advice and con-

ulty knowledgeable in the field, may petition the Honors Council for permission to develop and carry out independent studies in Honors, for 1-3 hours of college credit each. To earn the distinction of graduating as a participating member of the Honors Program, recognized on the college transcript and graduation program, students must complete a minimum of four semesters of active participation, earn four credits in Honors studies through mentoring and seminars, and successfully complete an Honors Project.

Admission

To apply for admission to the Honors Program, a student submits an application form and essays, and requests two letters of recommendation from college faculty (one of whom should be from the student's major field), speaking to the student's suitability for Honors studies. All applicants and members must have and maintain a college GPA of 3.5 or over. Members of the Honors Program are selected from applicants on the basis of GPA, applications, recommendations, and quality of writing and thought. Application forms and further information on Honors program and requirements are available from the Director of the Honors Program at the beginning of each semester.

Honors Council

The Honors Program is supervised by its advisory board, the Honors Council. The Council consists of two faculty elected from the college at large, a student elected from the Honors Program, the President, the Provost, and the Director of the Honors Program, who serves as chair.

TUTORIAL SERVICE

The Tutorial Program, which is part of the Center for Student Success, operates in Shaw Hall and offers a free, confidential service. While many high-achieving students find the transition

difficult with the transition to college-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 extensive training in preparation for their role, are all faculty-recommended, upperclass-ranked students.

Study labs are available in the Tutoring Center providing students a quiet place to study. Students interested in obtaining tutorial assistance should call 8216 or 8480.

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 dis-sent of their academic advisor and fac-

ciplinary action and will be charged the

non-resident fees for each academic term there-to-fore 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, full-time 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 Vir-

ginia 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 in-state 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 non-resident 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

in-state 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 in-state 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 College's Residency Appeals Committee. Decisions of the Residency Appeals Committee may be appealed to the president of the college. Residency appeals end with the president of the College.

WEST LIBERTY STATE COLLEGE POLICY ON ACADEMIC DISHONESTY

Academic Dishonesty, in whatever form, belies the stated philosophy of West Liberty State College "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 con-

sult the Student Information and Policies 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 State College e-mail address to collect responses from unsolicited commercial e-mail is prohibited.

Mass Mailings: Sending large volumes of unsolicited e-mail is prohibited. Sending unsolicited mass mailings to more than 25 email users is prohibited

if such unsolicited e-mailings provoke complaints from the recipients.

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

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

West Liberty State College 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 State College 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 State College reserves the right to access an account's mailbox to resolve system problems or mail system errors.

In addition, West Liberty State College 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 State College 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 State College's policy on the Appropriate Use of West Liberty State College'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 State College 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 WLSC 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 School Dean then to Provost
 - Staff – To Human Resources Administrator
 - Students – To Instructor (or School Dean)

GRADES AND REPORTS

The letter system of marks and grading is employed by West Liberty State College. 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 re-enroll in college 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, including the final examination, 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 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. If the student is in teacher education, a 2.00 in each teaching field is also required and a cumulative quality point average of at least 2.50 is required.

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

All grades earned in undergraduate college-level courses at West Liberty 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 Information and Policies 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. (This policy will apply to credit earned after the summer of 1990).

ACADEMIC FORGIVENESS POLICY

Academic forgiveness is intended for the student who is returning to college and who 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. 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 full-time student, has earned at least 12 credit hours that apply toward graduation, and has achieved a GPA 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 GPA in all course

work attempted. If all conditions have been met, academic forgiveness will be granted at the time the GPA 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 State College. This policy pertains only to the calculation of the GPA required for graduation and does not pertain to the GPA 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.

The College is not bound by the decision of any other institution to disregard grades earned in college courses. Similarly, students should be aware that academic forgiveness extended by this College 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 re-enter West Liberty State College 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 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 quality-point 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 re-admitted with special conditions and fail to meet these conditions.

4. A student returning from a period of suspension will re-enter 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 college 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 re-admission. The third suspension is considered 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 State College 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 State College 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 school 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 college-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. If a faculty member wishes to verify a student's illness, the faculty member must call the Health Service.

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 two-thirds 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 two-thirds 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 two-thirds 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 Registrar's Office. It is the student's responsibility to have the signed forms returned to the Registrar's Office. The official withdrawal date is the date signed by the instructor. The student's advisor must also sign the drop form. The last date to drop a course is listed on the academic calendar.

WITHDRAWAL FROM COLLEGE

Students who find it necessary to withdraw from college during the course of a semester or summer term must complete the official withdrawal procedure. The necessary forms may be obtained from the Center for Student Success. The Center for Student Success of the Registrar's Office will review the form with the student, then forward it to the Registrar's Office. The withdrawal is not official until these forms are received by the Registrar's Office.

Students who leave college 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.

PROCEDURES FOR STUDENTS CALLED TO

ACTIVE MILITARY SERVICE

As a result of a national military emergency, college 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 State College 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 Registrar's Office, 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 in-

structors will be contacted by the Registrar's Office 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 Registrar's Office regarding grading procedures.

If the student resides in campus owned housing, a Cancellation of Room & 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

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. Non-probationary 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 school 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 Registrar's Office for load requirements and benefits.

CLASSIFICATION OF STUDENTS

Students who have completed 95 or more semester hours of college 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 Registrar's Office 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 quality-point 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 WLSC. Because not all courses are offered every semester, and course offerings may vary from one year to the next, students are strongly urged to consult with their academic advisor at least once each semester prior to registration.

When a freshman or transfer student enters the college, a counselor 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 Registrar's Office 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:

1. All candidates for graduation must make application for graduation to the Registrar's Office by the stated deadline on the academic calendar.

2. Candidates for graduation must meet in full all financial obligations to the College, including the payment of the Graduation Fee, prior to Commencement.

3. Candidates for graduation, unless excused by the Provost/Vice President for Academic Affairs, 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, unless an exception is approved by the Provost/Vice President for Academic Affairs.

4. All degree candidates must earn at least 36 semester hours of residence credit at West Liberty. At least 16 of the last 32 hours before graduation must be completed in residence at West Liberty. Each student must complete at West Liberty 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 128 semester hours including all required courses for all baccalaureate degrees, of which, at least 56 hours must have been earned at four-year colleges. A minimum of forty semester hours in junior and senior courses (300 and 400 level) is required of all candidates for graduation.

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 State College, 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 college will generally be required to meet the requirements of the catalog in effect at the time of re-entrance to West Liberty.

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 State College, 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

During the second semester of the junior year students should ask the Registrar's Office for an official evaluation of credits. The evaluation will list the remaining courses to be completed in order to meet the requirements for graduation. Evaluations normally take 6-8 weeks to be completed. A copy of the evaluation will be provided to the student's advisor.

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 and all college-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 State College.

DEGREE PROGRAMS

I. Teacher Education, B.A. Degree

A. Four-year Education programs leading to certification and a Bachelor of Arts Degree are available for the following content specializations and programmatic levels.

Art 5-Adult or PreK-Adult

Chemistry 9-Adult
 Elementary Education K-6
 English 5-Adult
 General Science 5-9 or 5-Adult
 Health PreK-Adult
 Mathematics 5-Adult
 Music - Choral or Instrumental
 PreK-Adult
 Physical Education PreK-Adult
 Social Studies 5-Adult

the following:

While not degree programs, certification endorsements in the following areas may be added to appropriate degree programs:

Art 5-9
 Early Education PreK-K
 English 5-9
 General Science 5-9
 Multi-Categorical Special
 Education K-6
 Multi-Categorical Special
 Education 5-Adult
 Social Studies 5-9

II. Liberal Arts and Sciences - A major is required for the Bachelor of Arts and the Bachelor of Science degrees. At least one minor is required in many Bachelor of Arts and Bachelor of Science degrees.

A. Majors or minors may be selected from the following fields:

Biology (B.S.)
 Chemistry (B.S.)
 Communication (B.S.) (major only)
 English (B.A.) Mathematics
 (B.S.) Psychology (B.A. or
 B.S.) Social Science (B.A. or
 B.S.)
 (major only)

Areas of concentration:

Geography
 History
 International Studies
 Political Science
 Pre-Law
 Sociology

Additional majors are available in
 6. For graduation, all applicants

must meet all requirements in the newer catalog, including general education as

Art
 Athletic Coaching Business
 Administration Business
 Administration for
 Science Majors
 Computer Information Systems
 Criminal Justice
 Education English
 Entrepreneurship
 Exercise Physiology
 Geography
 Gerontology
 History
 Graphic Design
 International Studies
 Music
 Philosophy
 Political Science
 Psychology
 Religion
 Spanish
 Social Work
 Sociology
 Theater
 Women's Studies
 Writing

III. Business Administration --

A. B.S. degree in Business Administration with specializations available in:

Accounting
 Administrative Mathematics
 Administrative Science
 Banking, Finance and Economics
 Computer Information Systems
 General Business
 Golf Management
 Health Services Management
 Hospitality and
 Tourism Management
 Management
 Marketing
 Sports Management

B. B.S. degree in Business Information Systems.

IV. Professional and Technical

A. Clinical Laboratory Science (B.S.)

B. Communication – Pre-Professional (B.S.)
 C. Criminal Justice (B.S.)
 D. Dental Hygiene (A.S.)
 E. Dental Hygiene (B.S.)
 F. Graphic Design (B.S.)
 G. Nursing (B.S.N.)
 H. Exercise Physiology (B.S.)

V. Interdisciplinary Studies Program

The primary objective of this non-traditional degree 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.

All programs require the approval of the Interdisciplinary Studies Program Committee.

VI. Regents' Bachelor of Arts Degree Program

The Regents' Bachelor of Arts Degree Program is a non-traditional program at West Liberty State College, designed for adults who are interested in obtaining a bachelor's degree. The Regents' Degree Program is tailored to fill the needs of a large number of West Virginians who, for various reasons, have a desire to obtain a baccalaureate degree.

The program is of high academic quality and the holder of a Regents' Bachelor of Arts Degree will have met comparable requirements for the more conventional baccalaureate degree. The difference in the two routes toward obtaining a B.A. degree is the key to this program. Credit awarded in the conventional manner may be used in the program, but college equivalent credit awarded for work and life experience also can count toward the degree. Each student entering the program will

be judged on his or her merit, and may create a unique program suited for the person's needs.

Admission Requirements

- A. A student is admitted to the program by submitting the Regents' B.A. Degree admission application form to the Coordinator, Regents' B.A. Degree at West Liberty State College.
- B. Admission to this program does not provide for admission to other programs at the college, but rather, provides only for admission to the Regents' Bachelor of Arts Degree Program.
- C. Admission to the program at West Liberty State College constitutes admission to any public institution for the purpose of taking courses suitable to the student's background and applicable toward the degree requirements.
- D. Individuals with accredited baccalaureate degrees are excluded from the Regents' Degree Program.
- E. A person may not be enrolled simultaneously in the Regents' Degree Program and another baccalaureate program.
- F. Upon request by a Regents' degree student, transfer between institutions for legitimate reasons may be accomplished by letter between the degree coordinators at the two institutions.
- G. This program is not an escape outlet for students who are excluded from regular programs for reasons of poor scholarship. However, poor scholarship in early years should not prevent admission of a candidate who has demonstrated the ability to acquire and use knowledge.
- H. Admission and retention requirements will follow the same procedures that govern other degree programs at the institution with the exception that students are not eli-

gible for admission until four years after graduation from high school. In the case of those passing a high school equivalency examination, admission must be four years after their high school class graduated.

Degree Requirements

	Sem. Hrs.
General Education	36
(Courses in Communication, Humanities, Natural Sciences, Social Sciences, Mathematical Sciences 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 40

Electives 52

TOTAL CREDIT HOURS 128

Minimum Grade Point Average 2.0

Twenty-four (24) hours of actual classroom courses must be completed at an institution in West Virginia's public higher education system. Credit granted through work and/or life experiences is not applicable to the 24 credit hours. Fifty-six (56) hours must come from a four-year institution.

Rules Relating to "F"s. All "F"s received four years or more before admission to this program are disregarded for this program only.

Grades and Grading. Grading will follow the institution's current requirement.

II. Fees

- A. There is no admission fee required for application into the Regents' Bachelor of Arts Degree Program.
- B. Students in this program are required to pay the regular tuition and fees es-

established by the college.

C. For determination of college equivalent credit for work and life experience when requested by a student, a fee of \$300 plus a \$10 per-credit-hour post-graduation fee will be charged for the evaluation.

D. The regular graduation fee will be charged.

III. Transfer Credits

A. In transferring credits from accredited institutions of higher learning to the Regents' Degree Program, all passing grades are accepted.

B. Board of Governors policies regarding transfer of credits between institutions will apply to students in the Regents' Degree Program.

C. CPEP, CLEP, College-level GED, USAFI and similar testing results are acceptable for credit.

D. Correspondence credits from an accredited institution will be accepted.

E. Transfer credits will be assessed at the time of evaluation. Course requirements may be fulfilled by using college-equivalent credit, correspondence courses, credit by examination, transfer credits, or credit for courses taken after enrollment in the program.

IV. Courses and Grades

A. Admission to courses is subject to availability of class space and/or enrollment limitations on the same basis as any other student.

B. Course prerequisites will be dealt with in the usual manner.

C. Grading standards for Regents' Bachelor of Arts Degree students will be the same as for other students.

D. All "F"s received four years or more before admission to the program are not counted in the grade-point average for this program.

V. Regents' Bachelor of Arts Degree Program Coordinator

A. The Program Coordinator is responsible for meeting with students in order to discuss completion for admissions,

documents, course enrollment matters, assessments for work and life experiences, etc.

VI. Awarding of Credits for Work and Life Experience

A. The credit awarded for work and life experiences will be called college equivalent credit and is applicable to this degree program only.

B. The program coordinator requests the assistance of faculty members and other experts as needed in order to assess a student's work and life experience.

C. After a thorough review, including conversations with and/or written reports from a person qualified to assess the student's achievements, the faculty member or members recommend to the program coordinator the hours and level of credit to be given for the work and life experiences.

D. If either the program coordinator or the student challenges the amount of credit awarded the matter may be referred to a committee of the faculty.

E. The actual awarding of college equivalent credit is made by the vice president for academic affairs.

VII. Graduation

A. There is no prescribed timetable for completion of the requirements for the Regents' Bachelor of Arts Degree Program.

B. The Regents' Bachelor of Arts diploma will be awarded by West Liberty State College at regular commencement exercises.

BACHELOR OF APPLIED SCIENCE (B.A.S.) DEGREE PROGRAM

The Bachelor of Applied Science (B.A.S.) degree is designed to provide an opportunity for students who possess an Associate of Applied Science (A.A.S.) degree to obtain a baccalaureate degree.

Graduates of community and technical colleges need opportunities to continue their education in areas that best meet their education goals. Meeting the educational goal of A.A.S. 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 (A.A.S.) degree from a regionally accredited institution.
- The student must meet all general institutional admission requirements.

Degree Requirements:

	Sem. Hrs.
General Education	42
(Includes A.A.S. General Education hours. Courses must be distributed among all the following categories.)	
Communications (Composition)	9
Natural Sciences	6
Mathematics	3
Computer/Information Technology	3
Social Sciences/Humanities/Fine Arts	9
General Education Electives	15
Area of Emphasis Requirement	24
A.A.S. Degree Hours and Electives	62

TOTAL CREDIT HOURS 128

- The B.A.S. student must meet all applicable institutional academic policies.
- Twenty-four (24) hours of actual classroom courses must be com-

pleted at West Liberty State College.

- Fifty-six (56) hours must have been earned at a four-year institution.
- A.A.S. Degree – minimum of 60 hours
- Upper Division Hours requirement – minimum of 40 hours
- Area of Emphasis requirement – minimum of 24 hours **beyond** the A.A.S. degree. Areas of Emphasis are intended to meet regional workforce needs. Areas of Emphasis under the West Liberty State College B.A.S. degree are:
 - Supervision
 - Information Technology
 - Criminal Justice Studies
 - Accounting Studies
 - Graphic Design Studies
 - Social Work Studies

GRADUATE DEGREE PROGRAMS

West Liberty State College is authorized to offer three graduate degree programs in collaboration with West Virginia University and Marshall University.

The School of Education, in conjunction with Marshall University, offers a Master of Arts in Elementary or Secondary Education. It is an online program for licensed teachers. Further information may be obtained by contacting the School of Education.

The School of Education, in conjunction with West Virginia University, offers a Master of Arts Degree in Educational Leadership, with a School Principal Emphasis. Classes for this program are held at the West Liberty State College Warwood Center. Further information can be obtained by contacting the School of Education.

The School of Sciences, in conjunction with Marshall University, offers a Master of Science Degree in Nursing, with a Nursing Education Emphasis. Classes for this program are also held at the Warwood Center. Further information on this program can be obtained by contacting the School of Sciences.

Admissions and Academic Policies

GENERAL STUDIES PROGRAM

The WLSC 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:

- Evaluate ideas, beliefs, and values critically through rational and logical thought.
- Express oneself clearly and coherently in speech and writing.
- Understand the natural environment and humanity's relation to it.
- Understand human behavior, values, and social institutions within a global context.
- Use leisure time in satisfying, productive, and creative ways.
- Examine diverse cultures and life styles in an open-minded manner.
- Achieve competence in a chosen curriculum that will enhance career opportunities.
- Achieve competence in career appropriate technologies.

REQUIREMENTS:

The General Studies Program at WLSC is divided into two primary areas, 1) Essential Skills and 2) Knowledge. These areas align directly with our Student Development Goals and include areas of knowledge that are essential to the development of a well-rounded and educated individual. In each area, Student Development Goals are linked to the courses that help the student achieve these Goals.

— ESSENTIAL SKILLS AREA —

Completion of the required courses in this area will help the student critically evaluate ideas, beliefs, and values through rational and logical thought, express oneself clearly and coherently in speech and writing, and achieve competence in the use of career appropriate technologies.

◆ CRITICAL THINKING – Goal: To develop critical thinking, communication, and problem-solving skills.

Courses that fulfill this requirement include:

ECON 102, EDUC 301, ENG 101, ENG 102, GBUS 140, MGT 350, MGT 498, NUR 210, PHIL 201, PHIL 310.

[J] TECHNOLOGY – Goal: To familiarize students with the tools, concepts, and societal impact of information technology and to develop the skills necessary to use this technology critically and effectively.

Courses that fulfill this requirement include:

ART 290, CIS 271, CIS 471, COM 224, EDUC 260, EDUC 290, ENG 101, ENG 102, MATH 171, MATH 175, PHYS 213.

Students are required to take (in General Studies and/or in their major-field program) at least one course designated as Critical Thinking and one designated as Technology. These designations will be made by individual academic departments and will be identified in the College Bulletin (catalog).

- **COMMUNICATIONS - Goal: To develop writers and speakers who use the English language effectively and who read, write, speak, and listen critically.**
- **MATHEMATICS – Goal: To increase students' knowledge about mathematical and logi-**

cal modes of thinking. Students will learn to apply mathematics, logic, and/or statistics to help them make decisions in their lives and careers.

KNOWLEDGE AREA

Completion of the required courses in this area will help the student understand the natural environment and humanity's relation to it, understand human behavior, values, and social institutions within a global context, examine diverse cultures and life styles in an open-minded manner, and use leisure time in satisfying, productive, and creative ways.

e INTERNATIONAL/GLOBAL PERSPECTIVE – Goal: To expand students' knowledge of international/global issues, events, philosophies, and perspectives within both an historical and a contemporary context. Courses that fulfill this requirement include: ECON 101, ECON 311, ECON 409, ENG 490, ENG 492, HIST 103, HIST 104, MUS 330, NUR 472, POLS 303, POLS 324, REL 350, SS 100, DH 232.

! CULTURAL DIVERSITY – Goal: To enhance students' understanding of multicultural differences and similarities, of multicultural nuances and perspectives, and of the opportunities and challenges associated with cultural diversity.

Courses that fulfill this requirement include: ART 140, ART 343, COM 241, EDUC 315, ENG 315, GBUS 325, GEO 206, HIST 210, HIST 422, MUS 130, MUS 335, NUR 270, READ 311, REL 335, SOC 150, SOC 235, SOC 303, SOC 330, SOC 402

Students are required to take (in General Studies and/or in their major-

field program) at least one course designated as International/Global Perspective and one designated as Cultural Diversity. These designations will be made by individual academic departments and will be identified in the College Bulletin (catalog).

- **NATURAL SCIENCES – Goal:** To improve students' understanding of natural science principles and of the methods of scientific inquiry and analysis.
- **FINE ARTS/HUMANITIES - Goal:** To expand students' knowledge of the human condition and human cultures, especially in relation to behavior, ideas, and values expressed in works of human imagination and thought.
- **SOCIAL AND BEHAVIORAL SCIENCES – Goal:** To increase students' knowledge of how social and behavioral scientists discover, describe, and explain the behaviors and interactions among individuals, groups, institutions, events and ideas, and to increase the students' awareness and understanding of the growing interdependence of nations, traditions and peoples and develop their ability to apply a comparative perspective to cross-cultural social, economic, and political experiences.
- **BUSINESS AND ECONOMICS - Goal:** To assist students in developing an understanding and knowledge of the free enterprise economic system, of the role played in our lives by business and economic institutions, and of the skills and attributes required for effective

tive performance in contemporary organizations.

- **WELLNESS/PHYSICAL EDUCATION – Goal:** To provide the opportunity for all students to participate in planned activities for the purpose of physical and neuromuscular development, for social and mental benefits, and to promote a healthy lifestyle.

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 Freshman English I	3 hrs
ENG 102 Freshman English 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.	4 hrs

* MATH 140 or 145 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 360 – Physical Geology & Lab .	4 hrs
PHYS 370 – Elementary Astronomy & Lab	4 hrs

(Check in your major field for required courses.)

FINE ARTS/HUMANITIES – 9 Sem. Hrs.

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 Art Appreciation	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 330 History of Music I	3 hrs
MUS 331 History of Music II	3 hrs
COM 203 Argumentation & Debate	3 hrs
COM 211 Mass Communication	
Media	3 hrs
COM 241 Theater Apprec.	3 hrs
COM 341 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 only one course 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
SS 100 Global Issues	3 hrs

D. Sociology

SOC 150 Basic Concepts of Sociology	3 hrs
SOC 235 Cult. Anthropology	3 hrs

E. Psychology

PSYC 201 Gen. Psychology	3 hrs
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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 101 required of students receiving the B.S. in Business Administration and B.S. in Business Information Systems.

**GBUS 140 required of students minor-ing 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 Intro. 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 Freshman English I 3 hrs
- ENG 102 Freshman English 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 4 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 1. 4 hrs
- PHYS 190 The Physical World
- PHYS 191 The Physical World Lab 4 hrs
- PHYS 360 Physical Geology & Lab 4 hrs
- PHYS 370 Elementary Astronomy & 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 Art Appreciation 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
- COM 241 Theater Appreciation 3 hrs
- COM 341 Hist. of the Theatre 3 hrs
- FA 101 Fine Arts as a Human Experience 3 hrs
- MUS 130 Appreciation of Music 3 hrs
- MUS 330 History of Music I 3 hrs
- MUS 331 History of Music II 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..... 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

Students must choose only one course from three 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 & Government 3 hrs

POLS 201 National Government 3 hrs

SS 100 Global Issues 3 hrs

D. Sociology

SOC 150 Basic Concepts of Sociology 3 hrs

SOC 235 Cultural Anthropology 3 hrs

E. Psychology

PSYC 201 General Psychology 3 hrs

BUSINESS AND ECONOMICS – 3 Sem. Hrs.

Choose one course from the following:

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 SECONDARY EDUCATION 45-47 Hours in General Studies

(See School of Education section for Elementary Education)

COMMUNICATIONS – 9 Sem. Hrs.

To be eligible for graduation, a minimum grade of “C” is required in each of these courses.)

ENG 101 Freshman English I 3 hrs

ENG 102 Freshman English II 3 hrs

COM 101 Fund of Oral Comm. 3 hrs

MATHEMATICS – 3-4 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. 4 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 Lab I.. 4 hrs
 PHYS 190 The Physical World
 PHYS 191 The Physical World Lab 4 hrs
 PHYS 360 Physical Geology & Lab 4 hrs
 PHYS 370 Elementary Astronomy &
 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 Art Appreciation 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
 COM 241 Theater Appreciation 3 hrs
 COM 341 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 330 History of Music I 3 hrs
 MUS 331 History of Music II 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

SS 100 Global Issues 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 &
 Government... 3 hrs
 POLS 201 National Government 3 hrs
 PSYC 201 General Psychology 3 hrs
 SOC 150 Basic Concepts of Sociology 3 hrs
 SOC 156 Social Problems 3 hrs
 SOC 235 Cultural Anthropology 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.



Business Administration

Programs Offered by the SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Science Degree in Business Administration

Specializations:

- Accounting
- Administrative Mathematics
- Administrative Science
- Banking, Finance and Economics
- Computer Information Systems
- General Business
- Health Services Management
 - Long-Term Track
 - Health Care Track
- Hospitality and Tourism Management
- Management
- Marketing
- Sports Management
- Golf Management

Bachelor of Science Degree in Business Information Systems

Minors:

- Business Administration
- Business Administration for Science Majors
- Computer Information Systems
- Entrepreneurship

SCHOOL OF BUSINESS ADMINISTRATION

Elizabeth Robinson, Dean

Faculty members: Dr. Adams, Ms. Bailey, Mr. Barnabei, Mr. Blackwell, Dr. Hypes, Dr. Mudrinich, Ms. Robinson, Dr. Turrentine, Dr. White, Mr. Witt, Mr. Wright, Mr. Wudarski. Instructing Laboratory Assistant: Mr. Pissos.

The School of Business Administration 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 SBA 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 School of Business Administration 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.

In order to fulfill the mission of the School of Business Administration, 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 School of Business Administration.

Goal 6. Expand relationships with the external environment to stay cognizant of external expectations and opportunities for the School of Business Administration and our students.

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

Offerings of the School of Business Administration, 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; administrative mathematics; administrative science; banking, finance and economics; computer information systems; general business; hospitality and tourism management; management; marketing; golf management; or, sports 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, or entrepreneurship to accompany a nonbusiness bachelor's degree; or (d) courses in business for special non-degree students.

COMPUTATION OF QUALITY-POINT AVERAGES

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

ACCOUNTING

For those students specializing in accounting, the following courses will be used in the computation of their quality-point average: ACC 224, 225, 324, 325, 330, 400, 402, 420, 425, 426, GBUS 444, and two electives in accounting.

ADMINISTRATIVE MATHEMATICS

For those students specializing in administrative mathematics, the following courses will be used in the computation of their quality-point average: ACC 320, GBUS 303, 444, MGT 474, MKT 332, BIS 463, and any 18 hours of college mathematics in addition to the math course taken to fulfill the General Studies requirement.

ADMINISTRATIVE SCIENCE

For those students specializing in administrative science, the following courses will be used in the computation of their quality-point average: ACC 320, GBUS 303, 444, MGT 474, 475, MKT 332, and any 15 hours of courses taken in science in addition to the science courses taken to fulfill the general studies requirement.

BANKING, FINANCE AND ECONOMICS

For those students specializing in finance, the following courses will be used in the computation of their quality-point average: ECON 300, 305, 306, FIN 331, 300, 301, 310, 311, 407, MGT 481, and six hours of restricted electives as approved by the department chairperson.

COMPUTER INFORMATION SYSTEMS

For those students specializing in CIS, the following courses will be used in the computation of their quality-point average: CIS 270, 271, BIS 340, 362, 366, 371, 460, 461, 462, 463, MGT 474, and three electives in CIS/restricted electives.

GENERAL BUSINESS

For those students specializing in general business, all 27 semester hours of the business courses approved by the chairperson of the Department of Financial Systems and by the dean of the School of Business Administration and GBUS 444 will be used in the computation of their quality-point average.

HEALTH SERVICES MANAGEMENT LONG-TERM CARE TRACK

For those students specializing in health services management, long-term care track, the following courses will be used in the computation of their quality-point average: MGT 350, MGT 352, MGT 354, MGT 474, MGT 475, MGT 484, GERO 100, GERO 350, GERO 360, GERO 370 and HS 370.

HEALTH SERVICES MANAGEMENT HEALTH CARE TRACK

For those students specializing in health services management, health care track, the following courses will be used in the computation of their quality-point average: MGT 350, MGT 352, MGT 354, MGT 474, MGT 475, MGT 485, BIO 210, HS 300, HS 370, HS 400, HS 410 and one restricted elective.

HOSPITALITY AND TOURISM MANAGEMENT

For those students specializing in hospitality and tourism management, the following courses will be used in the computation of their quality-point average: HTM 300, 316, 460, 461, 490, MGT 350, 474, 475, MKT 336, and two electives in hospitality and tourism.

MANAGEMENT

For those students specializing in management, the following courses will be used in the computation of their quality-point average: ACC 320, BIS 460, MGT 350, 351, 352, 353, 474, 475, 498, and three electives in management/restricted electives.

MARKETING

For those students specializing in marketing, the following courses will be used in the computation of their quality-point average: ACC 320, GBUS 444, MKT 331, 332, 336, 340, 485, 498, and three electives in marketing/restricted electives.

SPORTS MANAGEMENT

For those students specializing in sports management, the following courses will be used in the computation of their quality-point average: MKT 332 or MKT 336, MGT 350, 353, 470, 471, 474, PE 124, 354, 355, 382, PE 324 OR COM 211, PE 365, and two courses from the following eight: PE 329, 331, 332, 333, 334, 336, 337 OR 338, and a restricted elective.

GOLF MANAGEMENT

For those student specializing in golf management, the following courses will be used in the computation of their quality-point average: MGT 350, 475, MKT 332 or 334, HTM 300 or 461, PE 123, 126, 240, 268, 269, 329, 330, 365, 482, and SDE 232.

BACHELOR OF SCIENCE DEGREE IN BUSINESS ADMINISTRATION

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 48

II. BUSINESS STUDIES CORE

CIS 100 Basic Keyboarding	1
ECON 102 Principles of Microeconomics	3
GBUS 140 Introduction to Business	3
ACC 224 Principles of Financial Accounting ...	3
ACC 225 Principles of Managerial Accounting	3
CIS 270 Introduction to Computer Systems ...	1
CIS 271 Practical Computer Applications	3
GBUS 280 Business Statistics	3
FIN 300 Principles of Finance	3
GBUS 303 Quantitative Business Analysis	3
GBUS 322 Business Communications	3
GBUS 325 International Business	3
MKT 331 Principles of Marketing	3
GBUS 344 Legal Environment of Business I ...	3
MGT 350 Principles of Management	3
CIS 471 Advanced Computer Applications	3
(not open to CIS students)	
GBUS 490 Profess. Development Seminar	1
MGT 498 Administrative Policies	3
Total	48

III. REQUIREMENTS FOR SPECIALIZATION

DEPARTMENT OF FINANCIAL SYSTEMS

Dr. Michael Turrentine, Chairperson. Dr. Carole Adams, Mr. Michael Blackwell, C.P.A., Dr. Gary Hypes, C.P.A., Dr. Andrew Mudrinich, C.P.A.

The Department of Financial Systems offers specializations in Accounting, Administrative Mathematics, Administrative Sciences, Banking, Finance and Economics, and General Business. The curriculum in each of these specializations is intended to prepare students for professional business careers and for graduate study.

ACCOUNTING

The specialization in accounting is designed with three primary objectives in mind: (1) to prepare students who intend to enter the fields of public or private accounting with an adequate background to be effective practitioners, (2) to help provide students with the necessary skills, abilities, and educational background needed to sit for the C.P.A. (accounting students interested in taking the C.P.A. examination after graduation should consult with their academic advisor regarding the 150-hour requirement) and C.M.A. examinations, and (3) to educate students to become highly qualified professionals in great demand in today's business world.

Sem. Hrs.

GBUS 444 Legal Environment of Business II	3
ACC 324 Intermediate Accounting I	3
ACC 325 Intermediate Accounting II	3
ACC 330 Cost Accounting	3
ACC 400 Accounting Information Systems	3
ACC 402 Advanced Accounting	3
ACC 420 Auditing	3
ACC 425 Federal Tax Accounting I	3
ACC 426 Federal Tax Accounting II	3
Electives in Accounting/Restricted Electives	6
Total	33 Hrs.

ADMINISTRATIVE MATHEMATICS

The specialization in administrative mathematics is designed primarily for the student who wants to prepare for a business career but also wants a stronger background in mathematics than the one math course required in the student's general studies core. This program is intended to assist students in acquiring the skills needed for careers in operations research, statistical analysis, industrial engineering, and other math-related professions.

Sem. Hrs.

ACC 320 Management Accounting	
Procedures	3
BIS 463 Decision Support Systems	3
MKT 332 Professional Selling	3
GBUS 444 Legal Environment of Business II	3

MGT 474 Organizational Behavior	3
Electives in Mathematics	18
Total	33 Hrs.

ADMINISTRATIVE SCIENCE

The specialization in administrative science is intended primarily for the student who wants to prepare for a business career in pharmaceutical sales. Besides pharmaceutical sales, students can expect to find entry-level employment in widely varied types of business activity, such as in hospital administration, medical clinic administration, public health administration, along with positions in the chemical industry and other science-related businesses.

Sem. Hrs.

ACC 320 Management Accounting	
Procedures	3
MKT 332 Professional Selling	3
GBUS 444 Legal Environment of	
Business II	3
MGT 474 Organizational Behavior	3
MGT 475 Human Resource Management	3
Electives in Science	15
General Elective	3
Total	33 Hrs.

BANKING, FINANCE and ECONOMICS

The banking, finance and economics specialization combines a broad range of practical business courses with specialized courses in finance, economics, accounting, and management 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.

	Sem. Hrs.
FIN 301 Financial Institutions	3
FIN 310 Investment Analysis	3
FIN 311 Portfolio Management	3
FIN 331 Personal Finance	3
FIN 407 Public Finance	3
ECON 300 Money and Banking	3
ECON 305 Intermediate Microeconomics	3
ECON 306 Intermediate Macroeconomics	3
MGT 481 Bank Management	3
Approved Restricted Electives	6
Total	33 Hrs.

GENERAL BUSINESS

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. Students have a voice in selecting the specific courses in the general business specialization, and the student's selection of courses must be approved by the chairperson of the Department of Financial Systems and by the dean of the School of Business Administration.

	Sem. Hrs.
Electives in Accounting	3
Electives in Economics	3
Electives in Management	6
Electives in Marketing	6
Electives in Business	9
GBUS 444 Legal Environment of Business II	3
General Elective	3
Total	33 Hrs.

DEPARTMENT OF ADMINISTRATIVE SYSTEMS

Dr. Carrie White, Chairperson. Ms. Jean Bailey, Mr. Robert Barnabei, Mr. Ronald Witt, Mr. David Wright, Mr. Al Wudarski. Instructing Laboratory Assistant: Mr. Mark Pissos.

The Department of Administrative Sys-

tems offers specializations in Computer Information Systems, Golf Management, Hospitality and Tourism Management, Management, Marketing, and Sports Management. The curriculum in each of these specializations is intended to prepare students for professional business careers and for graduate study.

COMPUTER INFORMATION SYSTEMS

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.

	Sem. Hrs.
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.

HEALTH SERVICES MANAGEMENT

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

The specialization features two tracks. The Long-Term Care Track prepares students to fill the demand for administration in such facilities as as-

sisted living, nursing facilities and continuing care retirement communities. The Health Care Track 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.

MGT 352 Labor Management Relations	3
MGT 354 Employment Law	3
MGT 474 Organizational Behavior	3
MGT 475 Human Resource Management ...	3
Total	12 Hrs.

Plus One of the Following Tracks:

Long-Term Care

	Sem. Hrs.
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
MGT 484 Long-Term Care Internship	6
HS 370 Therapeutic Communication	3
Total	21 Hrs.

Health Care

	Sem. Hrs.
BIO 210 Essentials of Biomedical Term.	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
Restricted Elective	3
Total	21 Hrs.

HOSPITALITY AND TOURISM MANAGEMENT

The field of hospitality and tourism 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.

	Sem. Hrs.
MKT 336 Advertising	3
MGT 474 Organizational Behavior	3
MGT 475 Human Resource Management	3
HTM 300 Introduction to Hospitality and Tourism	3
HTM 316 Food Service Mgt.	3
HTM 460 Travel Services Mgt.	3
HTM 461 Lodging and Resort Mgt.	3
HTM 490 Hospitality and Tourism Mgt. Internship	6
Electives in Hospitality and Tourism Management	6
Total	33 Hrs.

MANAGEMENT

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 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.

	Sem. Hrs.
ACC 320 Management Accounting Procedures	3
BIS 460 Management Information Systems ...	3

MGT 351 Production 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

Marketing is an exciting, dynamic, and contemporary field. 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. Do you know: (a) that over one-half of the working people in the United States are employed in marketing-type jobs? and (b) that the majority of business administration majors find job opportunities in some facet of marketing? Marketing is an all-encompassing word. It includes planning products, pricing them, promoting them, selling them, and then delivering these products to customers. People in wholesaling, retailing, advertising agencies, research firms, and transportation companies are working in the marketing area.

Sem. Hrs.

ACC 320 Management Accounting Procedures	3
GBUS 444 Legal Environment of Business II	3
MKT 332 Professional Selling	3
MKT 336 Advertising	3
MKT 340 Consumer Behavior	3
MKT 485 Marketing Research	3
MKT 498 Marketing Management	3
Electives in Marketing/Restricted Elective	9
General Elective	3
Total	33 Hrs.

SPORTS MANAGEMENT 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.

Sem. Hrs.

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	2
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	
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	34-36 Hrs.

GOLF MANAGEMENT

The golf management specialization is intended for the student who wants to combine athletic abilities in golf with career opportunities in the golfing industry. As lifestyle changes include the need for more physical activity, golf courses and golfing facilities have increased in number. This increased interest in golf has resulted in a demand for personnel to operate golf shops, maintain golf courses, teach golfing skills, promote golf facilities and organize and conduct golf events.

Sem. Hrs.

MGT 475 Human Resource Management 3

MKT 332 Professional Selling

OR

MKT 334 Retailing 3

HTM 300 Introduction to Hospitality and

Tourism 3

OR

HTM 461 Lodging and Resort Management .. 3

PE 101 or 102 Golf (1)

(Note: Credit for this course may be counted under General Studies as one of the PE requirements)

PE 123 Introduction to Golf 1

PE 126 History and Rules of Golf 3

PE 240 Anatomy and Physiology 3

PE 268 Introduction to Agronomy 2

PE 269 Introduction to Agronomy Lab 1

PE 329 Coaching Golf I 1

PE 330 Coaching Golf II 2

PE 365 Psychology and Sociology of PE 3

MGT 472 Golf Management Internship 6

SDE 232 First Aid and Emergency Services .. 3

Total 34 Hrs.

ACCELERATED BUSINESS PROGRAM

The baccalaureate degree for business administration is available to business students in an accelerated time frame. It is designed primarily for working adults who are at least 25 years of age and have completed approximately

60 hours of college credit. Business classes are provided at the Warwood Center in Wheeling, W.Va., in a concentrated block of time. More detailed information can be obtained from the School of Business Administration, at (304) 336-8053.

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.

Sem. Hrs.

I. GENERAL STUDIES

(see page 60) 48

II. BUSINESS STUDIES CORE

ECON 102 Principles of Microeconomics 3

GBUS 140 Introduction to Business 3

ACC 224 Principles of Financial Accounting .. 3

ACC 225 Principles of Managerial Accounting 3

CIS 271 Practical Computer Applications 3

FIN 300 Principles of Finance 3

GBUS 303 Quantitative Business Analysis 3

GBUS 325 International Business 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

GBUS 490 Profess. Development Seminar ... 1

MGT 498 Administrative Policies 3

Total 40

III. BIS REQUIREMENTS

BIS 340 Computer Programmin & Logic	4
BIS 360 Introduction to COBOL	3
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	43 Hrs.

Total for degree 131 Sem. Hrs.

ADDITIONAL PROGRAM OPTIONS (Not Open to Business Administration Majors)

BUSINESS ADMINISTRATION MINOR

Sem. Hrs.

ECON 101 or 102 Principles of Microeconomics or Macroeconomics	3
ACC 224 Principles of Financial Accounting ..	3
ACC 225 Principles of Managerial Accounting3	
CIS 271 Practical Computer Applications	3
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 27 Hrs.

Not open to Business Administration Majors.

GBUS 140 must be taken to fulfill the General Studies Requirement.

BUSINESS ADMINISTRATION MINOR FOR SCIENCE MAJORS

Sem. Hrs.

ECON 101 or 102 Principles of Microeconomics or Macroeconomics	3
ACC 224 Principles of Financial Accounting ..	3
ACC 225 Principles of Managerial Accounting3	
CIS 271 Practical Computer Applications	3
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 27 Hrs.

Not open to Business Administration Majors.

GBUS 140 must be taken to fulfill the General Studies Requirement.

COMPUTER INFORMATION SYSTEMS MINOR

Sem. Hrs.

ACC 224 Principles of Financial Accounting ..	3
ACC 225 Principles of Managerial Accounting3	
CIS 100 Basic Keyboarding	1
CIS 270 Introduction to Computer Systems ...	1
CIS 271 Practical Computer Applications	3
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 27 Hrs.

GBUS 140 must be taken to fulfill the General Studies Requirement.

ENTREPRENEURSHIP MINOR

	Sem. Hrs.
ACC 224 Principles of Financial Accounting ..	3
ACC 225 Principles of Managerial Accounting ..	3
FIN 300 Principles of Finance	3
MKT 331 Principles of Marketing	3
MGT 350 Principles of Management	3
MGT 353 Small Business Management	3
MGT 364 Entrepreneurship & New Ventures	3
MGT 450 Venture Finance and Analysis	3
MGT 460 Topics in Entrepreneurship	3

Total Minor Hours 27 Hrs.

GBUS 140 must be taken to fulfill the General Studies Requirement.



Programs Offered by the SCHOOL OF EDUCATION

PROFESSIONAL EDUCATION PROGRAMS

Comprehensive Education PreK-Adult
Early Education PreK-K
Elementary Education (K-6)
Middle Childhood Education 5-9
Secondary Education 9-Adult, 5-Adult
Special Education K-6, 5-Adult

PHYSICAL EDUCATION DEPARTMENT

Exercise Physiology
Health Education PreK-Adult
Physical Education PreK-Adult
 Athletic Coaching Minor
 Exercise Physiology Minor

SCHOOL OF EDUCATION

Dr. Beth Musser, Dean

Faculty Members: Mrs. Brown, Dr. Clawson, Mr. Crutchfield, Dr. Ehle, Dr. Hickcox, Dr. Hoover, Dr. Larouere, Mr. McCormack, Mr. Nicodemus, Dr. Noble, Mr. Price, Mrs. Reed, Ms. Rose, Dr. Smith, Mr. Watson. Mr. Wehler.

DEPARTMENT OF PROFESSIONAL EDUCATION

Mrs. Brown, Dr. Hoover, Dr. Clawson, Dr. Ehle, Dr. Hoover, Dr. Musser, Mr. Nicodemus, Ms. Rose, Dr. Smith, and the C & M faculty.

ACCREDITATION OF TEACHER EDUCATION PROGRAMS

The teacher education programs at West Liberty State College 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 State College was one of the first institutions accredited by NCATE in 1954 and celebrated 50 years of continuous national accreditation in 2004. In 2002, West Liberty State College was invited to become a member of the prestigious Holmes Partnership for teacher education. The Holmes Partnership represents the elite teacher education programs in the United States. West Liberty State College is honored to be the only four-year college in the nation that is a member of the Holmes Partnership. All teacher education programs at West Liberty State College have been approved by the West Virginia Higher Education Policy Commission and by the West Virginia Board of Education.

DEPARTMENT OF PROFESSIONAL EDUCATION STUDENT POLICY MANUAL

The policies and procedures governing teacher education at West Liberty State College are outlined in detail in the Department of Professional Education Student Policy Manual. Each student is responsible for obtaining an up-to-date copy of the Policy Manual and following the policies and procedures contained therein.

DEPARTMENT OF PROFESSIONAL EDUCATION LISTSERV

All teacher education students are expected to maintain membership in the WLEDSTUDENTS listserv. Valuable information relating to scholarships, admissions deadlines, and employment opportunities are disseminated via the listserv. Instructions for joining the listserv are available on the department website.

MISSION

The mission of the Department of Professional Education at West Liberty State College is three-fold:

- The Department seeks to provide sound professional preparation through a course of study which prepares competent, effective, entry-level professionals who teach, supervise, evaluate, reflect, make informed decisions, effect change, and continue their professional growth and development.
- The Department seeks to provide experiences which are compatible with the philosophy and encompass the goals of the College, West Virginia Department of Education, regional and national

guidelines, and curriculum guidelines of specialty organizations.

- The Department seeks to provide educational leadership and assistance to persons and organizations within its environment and to continually review and assess the progress of this mission.

PROFESSIONAL OBJECTIVES FOR TEACHER EDUCATION GRADUATES

West Liberty State College has adopted the Teacher as Catalyst conceptional framework as the basis for all teacher education programs. The ten standards developed by the Interstate New Teacher Assessment and Support Consortium (INTASC) have been adopted by the Department of Professional Education to outline the expected knowledge base for our teacher education graduates. Graduates are expected to demonstrate proficiency in each of the following ten INTASC areas:

1. The teacher understands the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and can create learning experiences that make these aspects of subject matter meaningful for students.

2. The teacher understands how children learn and develop and can provide learning opportunities that support their intellectual, social, and personal development.

3. The teacher understands how students differ in their approaches to learning and creates instructional opportunities that are adapted to diverse learners.

4. The teacher understands and uses a variety of instructional strategies to encourage students' development of critical thinking, problem solving, and performance skills.

5. The teacher uses an understanding of individual and group motivation and behavior to create a learning environ-

ment that encourages positive social interaction, active engagement in learning, and self-motivation.

6. The teacher uses knowledge of effective verbal, nonverbal, and media communication techniques to foster active inquiry, collaboration, and supportive interaction in the classroom.

7. The teacher plans instruction based upon knowledge of subject matter, students, the community, and curriculum goals.

8. The teacher understands and uses formal and informal assessment strategies to evaluate and ensure the continuous intellectual, social, and physical development of the learner.

9. The teacher is a reflective practitioner who continually evaluates the effects of his/her choices and actions on others (students, parents, and other professionals in the learning community) and who actively seeks out opportunities to grow professionally.

10. The teacher fosters relationships with school colleagues, parents, and agencies in the larger community to support students' learning and well-being.

ADMISSION AND RETENTION GUIDELINES

CRIMINAL BACKGROUND CHECK

All candidates for admission into the West Liberty State College teacher education programs must pass criminal background checks by the West Virginia State Police and the Federal Bureau of Investigation. Passing the criminal background check is a requirement for participation in, admission to, and continuance in the teacher education program. **Failure to pass the criminal background check may result in immediate removal from the teacher education program.**

The Declared Candidate:

As soon as a student decides on a teacher education major, he or she should formally declare the teacher education major with the Registrar's office. This will ensure the assignment of a faculty academic advisor in the appropriate teacher education department.

The Admitted Candidate is a Declared Candidate who meets ALL criteria for formal program admission. These criteria are:

- Successful completion of at least 45 semester hours of course work
- Overall GPA of 2.5 or higher
- Documentation of passing scores on the mathematics, reading, and writing PRAXIS I Tests (PPST) within the first five attempts for each test
- Completion of EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101 with grades of "C" or better
- Written remediation plan for Identified Candidate Deficiencies
- Formal interview with the Admission Committee
- Presentation of a "proficient" or "developing" Level I Professional Portfolio at the interview

Candidates are responsible for scheduling an admission interview as soon as all criteria are met. The academic advisor will assist if necessary. Candidates are informed of their admission status within 48 hours of the admission interview.

The Endorsed Program Candidate is an admitted candidate who is eligible for student teaching. The criteria for this status are:

- The Application for Student Teaching has been submitted.
- The student has Admitted Program Candidate status.
- Remediation for any and all Candidate Deficiencies is documented.

- The 90-hour formal evaluation is received from the Registrar's Office.
- No more than two courses in general studies remain to be completed.
- No more than one course in each content specialization remains to be completed.
- All required courses in education (EDUC, EED, READ, SPED) are completed with a "C" or better.
- All incomplete grades are resolved.
- GPAs of 2.5 overall, in each content specialization area, and in professional education are achieved.
- The candidate received a rating of "proficient" on the Level II Professional Portfolio.
- An ENDORSED recommendation is received from each department for each content specialization.
- Any additional criteria set by specific departments as noted in the College Bulletin or department materials are met. (Check with your advisor)
- Completed an individual interview with the Director of Student Teaching.

The candidate is responsible for scheduling the Level II portfolio review.

All requirements for eligibility for student teaching must be met before the first day of the term in which the candidate desires to student teach. (See Department of Professional Education Student Policy Manual and the Student Teaching Handbook.)

The Program Graduate is a candidate who has completed all teacher education program requirements.

The Program Completer has completed the WLSC professional education program and all other requirements for licensure/certification through the West Virginia Department of Education.

STUDENT TEACHING is conducted over the entire school day for a period of twelve weeks or as required. Student teachers are placed in approved schools within the college service area. In order to be selected, the secondary schools must be members of the North Central Association of Colleges and secondary schools and the elementary schools must be rated First Class or better by the State Department of Education. Professional education courses taken concurrently with student teaching are listed under the Professional Semester in the sections that follow.

AREAS OF SPECIALIZATION

Students who successfully complete a teaching specialization as established in this bulletin will be granted the B.A. degree in Education and recommended for certification in their selected specialization(s). Teacher education at West Liberty State College is approved by the W.Va. Board of Education and accredited by the National Council for Accreditation of Teacher Education (NCATE). The specializations offered are as follows:

1. Specialization for teaching **Elementary Education K-6** (Early Childhood and Middle Childhood Education). This program is designed to prepare teachers for the traditional elementary self-contained or open classroom. Students choosing this specialization may elect to complete an additional specialization in Early Education (PreK-K), Special Education (K-6) or a Middle Childhood content specialization (5-9). Student teaching must be completed for each programmatic level.
2. Specialization for teaching **Secondary Education 5-Adult and 9-Adult** (Middle Childhood and Adolescent Education). This program is designed to prepare teachers for traditional college bound and/or vocational-technical oriented middle school and high school. Students must complete requirements

to ensure competence as a classroom teacher in one or more areas of specialization. Student teaching must be completed at each programmatic level. Students completing a 5-Adult specialization in English, Mathematics, General Science, Social Studies or a 9-12 specialization in Biology or Chemistry may elect to complete the Multi-Categorical Special Education 5-Adult program.

3. Specialization for teaching **Comprehensive Education** (PreK-K, Early Childhood, Middle Childhood and Adolescent Education). This education program is designed to prepare specialists in the specific skill areas of Art, Music, Health, and Physical Education for all grade levels. The PreK-Adult specialist will be particularly aware of the various developmental stages and individual differences within this wide age range.

Students majoring in Art, Health, Music, and Physical Education PreK-Adult are not required to complete a second specialization. Students majoring in Health, Physical Education, Biology or Chemistry are strongly encouraged to complete a second specialization. Student teaching must be completed for each programmatic level.

IMPORTANT: State and federal requirements for special education sometimes change between catalog publications. Check with the Department of Professional Education for the current program requirements.

ELEMENTARY EDUCATION

K-6

Minimum 128 credit hours

A. PRE-PROFESSIONAL SKILLS COMPONENT

All education students must pass (within first five attempts) three PPST tests: mathematics, reading, and writing. Also, they must demonstrate speaking skills competency by achieving a letter grade of "C" or better in COM 101.

Sem. Hrs.
GENERAL STUDIES 49-50

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 Elementary

Teachers I 4

MATH 140 College Algebra 3

NATURAL SCIENCES 8

Life Science: Choose one course with lab from the following:

BIO 105 Life Science Non-Major 3

BIO 106 Life Science Lab 1

OR

BIO 124 Biological Principles 3

BIO 125 Biological Principles Lab 1

Physical Science:

PHYS 190 The Physical World 3

PHYS 191 The Physical World Lab 1

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 140 Art Appreciation 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

COM 241 Theatre Appreciation 3

COM 341 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. Social Sciences

SS 100 Global Issues 3

D. Restricted Electives: Choose one course from the following:

..... 3

ECON 101 Principles of Macroeconomics 3

ECON 102 Principles of Microeconomics . 3

HIST 103 History of Civilization I 3

HIST 104 History of Civilization II 3

POL 101 Basic Concepts of

Politics & Gov. 3

POL 201 National Government 3

PSYC 201 General Psychology 3

SOC 150 Basic Concepts of Sociology 3

SOC 156 Social Problems 3

SOC 235 Cultural Anthropology 3

WELLNESS/PHYSICAL

EDUCATION 4-5

PE 101 Gen. Program in PE I 1

PE 102 Gen. Program in PE II 1

HE 250 Intro to Health or HE 253 Personal

Health 3-2

(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.

C. CONTENT SPECIALIZATION COMPONENT

Required (50 credit hours including M & M Block)

	Sem. Hrs.
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 Gen. Bio. for Elem. K-6 & 5-9 Teachers	3
HE 466 Health & Safety Methods & Materials for Elementary Teachers	3
HIST 211 History of the US II	3
MATH 107 Mathematics for Elementary Teachers II	4
MUS 351 Music Materials & Procedures	3
PE 343 Physical Ed. for Elem. & 5-9 Teachers	2
PHYS 340 Physical Sci. for Elementary Teachers	3
* READ 210 Children's Literature	3
* READ 312 Dev. Read	3
SS 302 W.Va. & Appalachian Region	3

METHODS AND MATERIALS BLOCK SEMESTER

Required (16 credit Hours) Sem. Hrs.

These courses are scheduled together during the semester prior to the professional semester. Students may **not** schedule any additional courses during the Methods and Materials Block Semester. Students must be admitted to Professional Education before enrolling in the Elementary Education Methods and Materials Block semester.

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 Senior Field Experience	1
*** READ 412 Language Arts & Practicum ...	3
*** SPED 412 Collaborative Planning, Inst. and Assessment of Elem. Students with Special Needs	3

D. PROFESSIONAL EDUCATION COMPONENT *

Required (34 Credit Hours)	Sem. Hrs.
*** EDUC 100 Intro. to Profess. Education ...	1
EDUC 201 Human Development	3
*** EDUC 207 Foundations of Education	3
EDUC 290 Instructional Technology	3
*** EDUC 301 Educational Psychology	4
SPED 241 Intro to Exceptionalities	3

PROFESSIONAL SEMESTER COURSES: **

EDUC 409 School Law & Organization ..	1
EDUC 464 Educational Assessment	2
READ 415 Reading Assessment in Elem. Schools	1
EDUC 470 Student Teaching Seminar ...	1
EDUC 480 Student Teaching in ECE	4
EDUC 484 Student Teaching in MCE ...	4

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.
- *** This course includes a field experience in a school. Students must register for field experience(s) and include time in their schedules to travel to the school and complete the field experience.

E. Additional electives or optional specialization to total 128 hrs.

F. OPTIONAL SPECIALIZATIONS AVAILABLE TO ELEMENTARY EDUCATION MAJORS

Specialization	Page
Early Education PreK-K	81
Special Education K-6	81
Art 5-9	91
English 5-9	105
General Sciences 5-9	127
Mathematics 5-9	126
Social Studies 5-9	109

See bulletin page listed for course requirements and any specific admission and retention criteria. Students **MUST OBTAIN** an advisor from each specialization area.

EARLY EDUCATION PRE K-K (11 credit hours)

EED 280 Organ. and Admin. of Early Educ. ...	3
EED 301 Child Development	3
EED 330 Early Education Curriculum I	3
EED 380 Early Education Curriculum II	2
EED 483 Student Teaching EED	(2)

Student Teaching EED 483 is included in Professional Semester hours.

A minimum grade of "C" is required for EED 280, 301, 330, 380.

NOTE: Courses are sequenced. Please do not register for these courses without the required prerequisite.

Mandated changes in the West Virginia teacher certification requirements for West Liberty's programs may force changes in the information included in this catalog. For this reason, the program requirements listed in this catalog should not be considered as official requirements for program completion. Students must obtain a current listing of program requirement for the Department of Professional Education at the time of admission to an education program as a major.

SPECIAL EDUCATION MULTI-CATEGORICAL

The Multi-Categorical Special Education program is offered as an optional specialization for students seeking teaching certificates for Elementary K-6 or Secondary 5-Adult or 9-Adult in English, Mathematics, Sciences, or Social Studies. With this optional specialization, the elementary teacher is certified to teach all subjects to MI, BD, **or** LD students in self-contained or resource rooms K-6. The 5-Adult or 9-Adult secondary education majors are certified to teach MI, BD, **or** LD students in self-contained or resource rooms for 5-Adult.

COURSE REQUIREMENTS Special Education

Multi-Categorical K-6

(Minimum of 33 hours, 16 hours in addition to required Elementary Education K-6 program)

	Sem. Hrs.
* SPED 241 Intro to Exceptionalities	3
SPED 341 Characteristics of Mental Impairment	3
SPED 348 Curriculum, Methods and Assessment for BD/EH	3
SPED 355 Curriculum, Methods and Assessment for LD/MI	4
SPED 391 Classroom Management, Techniques, and Practicum	3
SPA 250 Language Development	3
* READ 312 Developmental Reading & Practicum	3
* EDUC 461 Mathematics Methods & Materials for Elementary	3
* READ 412 Language Arts and Practicum ...	3
* SPED 412 Collaborative Planning, Instruction and Assessment of Elementary Students with Special Learning Needs ...	3
** SPED 481 Student Teaching - Special Education	2

* Also required in Elementary Education K-6 program

** Part of normal 8-hour student teaching if completed concurrently with Elementary Education K-6 program.

Multi-Categorical 5-Adult

(Minimum of 33 hours, 19 hours in addition to required English, Mathematics, Science, or Social Studies Secondary Education program)

Sem. Hrs.

* SPED 241 Intro to Exceptionalities	3
* SPED 320 Collaborative Planning, Instruction and Assessment of Secondary Students with Special Learning Needs ...	3
SPED 341 Characteristics of the Mental Impairment	3
SPED 348 Curriculum, Methods and Assessment for BD/EH	3
SPED 355 Curriculum, Methods and Assessment for LD/MI	4
* EDUC 392 Models of Teaching, Learning, Planning and Management for Middle and Secondary Education	3
READ 312 Developmental Reading and Practicum	3
EDUC 461 Mathematics Methods & Materials for Elementary	3
* READ 302 Reading for Content Area Instruction	3
** SPED 481 Student Teaching - Special Education	2

* Also required in Secondary Education program

** Part of normal 8-hour student teaching if completed concurrently with Secondary Education program.

Students who complete the Elementary K-6, English 5-Adult, Mathematics 5-Adult, Science 5-Adult or 9-Adult, or Social Studies 5-Adult program, the endorsement requirements for the Special Education program, and pass the required PRAXIS II tests are eligible to apply for West Virginia certification in Multi-Categorical Special Education.

IMPORTANT: State and federal requirements for special education sometimes change between catalog publications. Check with the Department of Professional Education for the current program requirements.

SECONDARY AND COMPREHENSIVE EDUCATION CONTENT SPECIALIZATIONS 5-Adult, 9-Adult, PreK-Adult (Minimum 128 credit hours)

A. PRE-PROFESSIONAL SKILLS COMPONENT

All education students must pass PPST tests: mathematics, reading, and writing within five attempts for each of the three. Also, they must demonstrate speaking skills competency by achieving a letter grade of "C" or better in COM 101.

B. GENERAL STUDIES COMPONENT

(Required 45-47 credit hours) Sem. Hrs. **See Page 61.**

C. CONTENT SPECIALIZATION COMPONENT

Completion of one or more of the following teaching specializations

	Page
Art PreK-Adult	97
Biology 9-Adult	131
Chemistry 9-Adult	133
English 5-Adult	109
General Science 5-Adult	136
Health PreK-Adult	92
Mathematics 5-Adult	135
Music PreK-Adult	105
Physical Education PreK-Adult	91
Social Studies 5-Adult	114

D. PROFESSIONAL EDUCATION COMPONENT *

Required (41 Credit Hours) Sem. Hrs.

*** EDUC 100 Intro. to Profess. Education ...	1
EDUC 201 Human Development	3
*** EDUC 207 Foundations of Education	3
EDUC 290 Instructional Technology	3
*** EDUC 301 Educational Psychology	4
*** EDUC 392 Middle and Secondary Ed. Models	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:**

EDUC 409 School Law & Organization ..	1
EDUC 464 Educational Assessment	2
EDUC 470 Student Teaching Seminar ...	1
EDUC 480 Student Teaching in ECE ..	0-2
EDUC 482 Student Teaching in AC	3-8
EDUC 484 Student Teaching in MCE ..	0-4

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 tests
- ** Students must be eligible for student teaching to enroll in the professional semester courses.
- *** This course includes a field experience in a school. Students must register for a field experience and include time in their schedules to travel to the school and complete the field experience.

E. Additional electives or optional specialization to total 128 hrs.

F. OPTIONAL 5-9 SPECIALIZATIONS AVAILABLE TO SECONDARY AND COMBINATION EDUCATION MAJORS

Specialization.	Page
Art	91
English	105
General Science	127
Mathematics	126
Social Studies	91

G. OPTIONAL 5-ADULT SPECIAL- IZATION AVAILABLE TO SECOND- ARY AND COMBINATION EDUCA- TION MAJORS

Specialization.	Page
Special Education	81

School of Education

EDUCATION MINOR

REQUIRED HOURS	19
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	4
EDUC 315 Multicultural Education	3

ELECTIVES 3
(One three hour course with the prefix EDUC, READ, SPED or EED.)

TOTAL 22 Sem. Hrs.

See the catalog pages listed for course requirements and any specific admission and retention criteria for 5-9 and 5-Adult endorsements. Students **MUST OBTAIN** an advisor from each specialization area.

REQUIRED TESTS

All education majors must pass the three Praxis I (Pre-Professional Skills Test - PPST) tests within first five attempts. In addition, students desiring to apply for West Virginia teacher certification upon graduation are required by the state to pass the appropriate PRAXIS II tests. Students should consult the State Department of Education web site or the PRAXIS registration bulletin to determine which PRAXIS II tests are required. PRAXIS registration information is available in the financial aid office or in the Department of Professional Education office.

Students must register for the tests, take the tests, and request that the test scores be sent to West Liberty State College. **PRAXIS I test scores must be received in the Department of Professional Education Office prior to admission interview and the start of the semester in which students wish to enroll in courses requiring passing scores.** Students should plan to take the tests early and allow sufficient time for the receipt of scores. Students must pass the PPST tests within five attempts.

GRADUATION AND CERTIFICATION

At least 128 semester hours are required for graduation. At least 40 hours of upper-division credit (courses numbered 300 or 400) are required for graduation in all programs.

The student must file formal application for certification with the State of West Virginia or any other state. A background check is part of this process. The college recommends certification for those students who complete the college's prescribed program.

EMPLOYMENT

Employment credentials for students are kept on file in the West Liberty State College Career Services office. Students or graduates should consult that office for additional information.

LIABILITY INSURANCE

Students are encouraged to have liability insurance coverage when they are working in school situations. Appropriate insurance can be obtained from an insurance agency or through membership in the W.Va. Student Education Association.

DEPARTMENT OF PHYSICAL EDUCATION

Robert McCormack, Chairperson;
Mr. Crutchfield, Dr. Hickcox, Dr. Larouere, Dr. Noble, Mr. Price, Ms. Reed, Mr. Watson, Mr. Wehler.

The aims of the department are: (1) to provide opportunities for all students to participate in planned activities for the purpose of physical and neuromuscular development, for the social and mental values inherent, and for recreation through intercollegiate, intramural, club, and leisure-time activities sponsored by the college community; (2) to provide instruction and activities in required coursework designed to produce teachers of physical education, health and re-

lated areas, coaches, recreation leaders, exercise science specialists; and (3) to prepare students for graduate work and further training in the allied areas.

In order to graduate, all Health, Physical Education, and Exercise Physiology majors ARE REQUIRED to have at least an overall 2.5 GPA and also in their major field. In addition, all students will have a faculty advisor within the Physical Education Department.

GENERAL PROGRAM IN PHYSICAL EDUCATION

The required physical education program for all students in the college consists of two different life-time activity courses: General Program 101 and General Program 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.

PROGRAMS IN PHYSICAL EDUCATION AND HEALTH

SPECIALIZATIONS IN PHYSICAL EDUCATION Grades PreK-Adult, Minimum 54 hours

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 45-47

II. REQUIRED (47 credit hours) Note: Students must earn a GPA of 2.5 or higher for the courses listed in this section.

- * PE 101 General Program -
Tennis and Archery 1
- * PE 102 General Program -
Golf and Badminton 1
- PE 106 Primary Movement Experiences 2
- PE 108 Team Sports I 2
- PE 109 Team Sports II 2

PE 113 Fundamentals of Rhythm and Dance	1
PE 115 Beginner Swimming	
OR	
PE 216 Water Safety Instruction	1
PE 117 Individual and Recreational Sports	1
PE 120 Introduction to Phys. Education ..	2
SDE 232 First Aid and Emergency Services	3
PE 211 Gymnastics/Aerobics Group Leadership	2
PE 240 Anatomy and Physiology	3
PE 258 Motor Development	3
PE 280 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	2
PE 325 Practicum in Physical Education .	1
PE 326 Tests and Measurements in Phys. Educ.	2
PE 345 Physiology of Sport and Exercise ..	3
PE 360 History and Philosophy of Physical Education	2
PE 365 Psych. & Soc. of Physical Education	3
PE 395 Kinesology	3
PE 452 Adapted Physical Education I	2

Curriculum and Methods Course required for all specializations.

** EDUC 369 Curriculum and Methods in Physical Education	3
Electives to total 54 semester hours	4

* Indicates that the course will serve the dual purpose of counting in both the General Studies Area as well as in the specific content area.

** Minimum grade of "C" or better required.

Electives - The student will elect a minimum of four (4) semester hours, one of which must be a two (2) hour course.

PE 225 Lifeguarding	1
* 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	1
PE 335 Sports Officiating	1
* PE 336 Coaching Wrestling	1
* PE 337 Coaching Track and Field	1
* PE 338 Coaching 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
PE 453 Adapted Physical Education II	2

* If any coaching class is elected, the student must take PE 342 Care and Prevention of Athletic Injuries.

This major, general studies, and professional education to total 128 credit hours minimum. A second specialization is strongly recommended.

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

School of Education

SPECIALIZATION IN HEALTH EDUCATION GRADES PRE-K-ADULT

Sem. Hrs.

I. GENERAL STUDIES (see page 61) 45-47

II. REQUIRED (30 credit hours) Note: Students must earn an overall GPA of 2.5 or higher for all courses listed in this section.

PE 240 Anatomy and Physiology	3
PSYC 201 General Psychology	3
SDE 232 First Aid and Emergency Services	3
HE 250 Introduction to Health	3
HE 300 Nutrition and Fitness	3
HE 310 Mental Health	2
HE 320 Drug Use and Abuse	2
HE 340 Human Sexuality and the Family ..	2
HE 360 Community and Environmental Health	3
HE 362 Pract. in School and Commun. Prog	1
HE 468 School Health Program	3
HE 470 Current Health Issues Seminar ..	2
EDUC 373 C & M in Health Education ...	3

* Also counts for General Studies requirements

** Also counts for Physical Education Major requirements

III. General studies, professional education and electives to total 128 hours.

A second specialization is strongly recommended.

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with

the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

BACHELOR OF SCIENCE DEGREE IN EXERCISE PHYSIOLOGY

Program's Objectives: To provide the basic academic and clinical experience to pursue a graduate degree program in Exercise Science or Exercise Physiology, or prepare the student for professional entry-level employment careers in health and wellness centers and private enterprise. The student will learn to assess an individual's functional capacity and recommend alternative and appropriate physical activity in apparently healthy individuals and those persons with chronic diseases and disabilities.

Program Features: The Bachelor of Science degree in Exercise Physiology is a four-year degree program that includes three components:

- General Studies Requirement for the Bachelor of Science degree.
- Requirements for the Exercise Physiology program
- Requirements for concentration areas

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 State College as a student is eligible for admission into the program. Performance standards are the same as those set for all students

attending West Liberty State College. In order to graduate all Exercise Physiology majors are required to have a minimum GPA of 2.5 in their major field, concentration area and overall.

PROGRAM REQUIREMENTS:

	Sem. Hrs
General Studies Component	48
Major Component	62-63
* Concentration	28-29
Total Credit Hours	138-139

* Approved major or programs must be used to fulfill the minor component.

MAJOR COMPONENT

	Sem. Hrs.
* PE 101 Aerobic Fitness	1
* PE 102 Anaerobic Fitness	1
PE 115 Beginner Swim	1
OR	
PE 216 Water Safety Instruction	1
PE 125 Introduction to Exer. Physiology .	1
PE 211 Gymnastics/Group Leadership	2
SDE 232 First Aid and Emergency Services	3
BIO 212 Anatomy and Physiology	4
OR	
PE 240 Anatomy & Physiology	3
PE 258 Motor Development	3
* PHYS 100/101 Elementary Physics/Lab ..	4
CIS 271 Practical Computer Applications .	3
HE 300 Nutrition and Physical Fitness	3
PE 326 Tests and Measurements	2
PE 342 Care and Prevention of Athletic Injuries	2
PE 345 Physiology of Sport & Exercise	3
PE 395 Kinesiology	3
PE 450 Biomechanics	3
PE 454 Physiology of Cardiac Rehabilitation	3
PE 455 Modification of Exercise	2
PE 460 Theory of Testing and Program ..	3
PE 461 Theory of Testing and Program Lab	2
PE 467 Principles of Strength and Conditioning	3
** PE 480 Exercise Physiology Internship ..	10
** PE 481 Exercise Physiology Project	2
Total Hours	62

* Indicates that the course will serve the dual purpose of counting in both the General Studies Area as well as in the specific degree curriculum.

** Exercise Physiology students must have a cumulative GPA of 2.50 in concentration area and major as a prerequisite for internship.

CONCENTRATION OPTIONS

The Exercise Physiology program requires a concentration of approved courses to fulfill the minor component requirements.

Other minor fields or approved course of study require consultation with, and approval of, the program coordinator, department chair, and advisor.

There are three approved concentration areas:

HEALTH AND FITNESS (28 credit hours)

HE 360 Community and Environmental Health	3
HE 362 Pract. in School and Commun. Programs	1
PE 352 Sports Rehabilitation	2
PSYC 225 Psychology of Childhood and Adolescence	3
PSYC 320 Psychology of Adulthood & Old Age	3
GERO 200 Intro to Bio. Aspects of Aging	3
GERO 310 Program Activities for Seniors	3
HE 320 Drug Use and Abuse	2
HE 470 Current Health Issues Seminar ...	2
EDUC 201 Human Development	3
EDUC 241 Intro to Exceptionalities	3

SPORT AND BUSINESS (29 credit hours)

PE 124 Intro to Sports Management	1
PE 322 Organization & Administration	2
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

CLINICAL (29 credit hours)

MATH 160 Intro to Statistics	3
PE 352 Sports Rehabilitation	2
BIO 210 Essentials of Biomedical Term. .	3
BIO 302/ 303 Human Anatomy & Physiology I/Lab	4
BIO 328 Human Anat. & Physiology II	3
CHEM 112/113 General Chemistry II/Lab ...	4
PHYS 102/111 Elementary Physics II/Lab ..	4
PSYC 225 Psychology of Childhood & Adolescence	3
PSYC 320 Psychology of Adulthood & Old Age	3

Total hours must be at least 128 for graduation. Exercise Physiology Majors must have a cumulative GPA of 2.50 in concentration area, major, and overall in order to register for internship. Also, a 90-hour credit evaluation must be completed three semesters prior to registration of internship.

All course work must be completed prior to registering for PE 480 and PE 481.

EXERCISE PHYSIOLOGY MINOR

Sem. Hrs.

PHYSICAL EDUCATION 24

PE 240 Anatomy & Physiology	5
PE 326 Tests and Measurements	2
PE 345 Physiology or Sport & Exercise ..	3
PE 450 Biomechanics	3
PE 454 Physiology of Cardiac Rehabilitation	3
PE 455 Modifications of Exercise	3
PE 460/461 Theory of Exercise Testing & Pres.	3/2
PE 467 Principles of Strength & Conditioning & Lab	2

Exercise Physiology students must maintain a 2.50 GPA in their minor concentration area, major, and overall for graduation.

ATHLETIC COACHING MINOR

Sem. Hrs.

REQUIRED HOURS 19

HE 300 Nutrition and Fitness	3
PE 299 Current Strength and Conditioning Concepts	3
PE 320 Principles of Coaching	1
PE 322 Organization & Administration	2
PE 342 Care and Prevention	2
PE 355 Sport Law	2
PE 365 Psych and Soc of PE	3
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	1
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
PE 352 Sport Rehabilitation	2
PE 354 Facilities Management	2
PE 371 Compliance	2

TOTAL 25 Sem. Hrs.

The School of Business Administration, in cooperation with the Physical Education Department, offers a B.S. Degree in Business Administration in the areas of:

- Golf Management
- Sports Management

Liberal Arts



Programs Offered by the
SCHOOL OF LIBERAL ARTS

DEPARTMENT OF ARTS AND COMMUNICATIONS

Bachelor of Science Degree:

- Graphic Design
- Digital Media Design
- Communications
- Broadcasting Concentration
- Journalism Concentration
- Theater Concentration
- Non-Comprehensive Communications
- Minors: Graphic Design
- Theater Arts

Bachelor of Arts Degree:

- Teacher Ed.: Art Education 5-Adult
- Teacher Ed.: Art Education PreK-Adult
- Teacher Ed.: Art Education 5-9 Endorsement
- Teacher Ed.:Music Education PreK-Adult

Bachelor of Arts in Liberal Arts:

- Minors: Art, Graphic Design, Music, Theater Arts
- (Non-Communication Majors)

DEPARTMENT OF HUMANITIES

Bachelor of Arts in Liberal Arts:

- Major: English
- Minors: English
- Philosophy
- Religion
- Spanish
- Women’s Studies
- Writing

Bachelor of Arts Degree:

- Teacher Education: English 5-Adult
- English 5-9 Endorsement

DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

Bachelor of Arts Degree:

- Teacher Education: Social Studies Comprehensive
- 5-Adult Social Studies 5-9
- Endorsement

Bachelor of Arts in Liberal Arts:

- Minors: Geography, History, Interdisciplinary Pre-Law, Political Science, Psychology, Sociology,
- International Studies

Bachelor of Science Degree:

- Minors: Geography, History, Interdisciplinary Pre-Law, Political Science, Psychology, Sociology,
- International Studies, Social Work, Criminal Justice

Bachelor of Science or Bachelor of Arts:

- Criminal Justice
- Social Sciences
- Geography Concentration
- History Concentration
- Interdisciplinary Pre-Law Concentration
- International Studies Concentration
- Political Science Concentration
- Sociology Concentration
- Psychology

dent may choose: the comprehensive

ART 140 Art Appreciation 3

SCHOOL OF LIBERAL ARTS

Mr. Alfred R. de Jaager, Interim Dean

Faculty Members: Mr. Baronak, Ms. Bernstein-Goff, Dr. Brown, Dr. Cowan, Dr. Crawford, Dr. Crutchfield, Mr. Fencel, Dr. Gall, Mr. Haizlett, Dr. Hattman, Dr. Harder, Dr. Herrick, Dr. Inkster, Dr. Javersak, Dr. Kott, Dr. Kruse, Ms. Lasch, Mr. C. Lee, Dr. G. Lee, Dr. Linden, Dr. Lizza, Dr. Marshall, Mr. Matviko, Dr. McClain, Ms. McCracken, Dr. McGinley, Dr. Noble, Dr. Owens, Mr. Padgett, Ms. Paleudis, Mr. Reilly, Mr. Rinchiuso, Dr. Strada, Dr. Staffel, Dr. Thomas, Ms. Tirone, Mr. Villamagna, Dr. Wiesner, Dr. Zuelow.

DEPARTMENT OF ARTS AND COMMUNICATIONS

Mr. William Baronak, Interim Chairperson, Dr. Matthew Inkster, Assistant Chairperson, Dr. Richard Brown, Dr. Linda Cowan, Mr. Alfred R. de Jaager, Mr. Brian Fencel, Mr. James Haizlett, Dr. Matthew Harder, Dr. Tama Kott, Ms. Meta Lasch, Mr. Christian Lee, Dr. Gerald Lee, Mr. John Matviko, Mr. Robert P. Padgett, Mr. John Reilly, Ms. Nancy Tirone, Mr. Robert Villamagna, Dr. Harald Wiesner.

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 four-year curricula leading to the bachelor's degree:

TEACHER EDUCATION: The stu-

or single major curriculum for certification in grades K-12 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: 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.

CURRICULUM FOR THE PREPARATION OF TEACHERS ART COMPREHENSIVE (PREK-ADULT)

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 45-47

II. ART TEACHING FIELD 55

A. Freshman Year 18

ART 104 Drawing I 3

ART 110 Design I 3

ART 204 Drawing II	3
ART 160 Design II	3
ART 230 Printmaking I	3
B. Sophomore Year	12
ART 210 Watercolor Painting I	
OR	
ART 215 Oil/Acrylic Painting I	3
ART 220 Ceramics 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 (see page 90) 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

dent may choose: the comprehensive

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

IV. ELECTIVES to total 128 Sem. Hrs.

CURRICULUM FOR THE PREPARATION OF TEACHERS ART (5-ADULT)

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 45-47

II. ART TEACHING FIELD 43

- A. Freshman Year 18
 - ART 104 Drawing I..... 3
 - ART 110 Design I..... 3
 - ART 140 Art Appreciation 3
 - ART 204 Drawing II 3
 - ART 160 Design II..... 3
 - ART 230 Printmaking I 3
- B. Sophomore Year 9
 - ART 210 Watercolor Painting I

OR

- ART 215 Oil/Acrylic Painting I 3
- ART 220 Ceramics I..... 3
- ART 260 Sculpture I..... 3
- ART 140 Art Appreciation 3

ART SUBJECT SPECIALIZATION

(Grades 5-9)

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 (see page 90) 42 Sem. Hrs.

Includes Art 376 Curriculum Methods
& Materials in Art (Grades 5-12) 3

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

This is an optional specialization available to education majors.

Sem. Hrs.

I. ART TEACHING FIELD 27

ART 104 Drawing I	3
ART 110 Design I	3
ART 140 Art Appreciation	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
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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 (see page 90)

Includes ART 375 Curriculum Methods
& Materials in Art (K-4, 5-12) and EDUC
392 Models of Teaching, Planning,
Learning and Management/Middle
Level.

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior

to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

CURRICULUM FOR THE LIBERAL ARTS DEGREE ART (Minor)

Sem. Hrs.

I. GENERAL STUDIES (see page 61).....63

II. 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.

III. FIRST AND SECOND FIELD AND ELECTIVES TO

TOTAL 128 Sem. Hrs.

CURRICULUM FOR THE BACHELOR OF SCIENCE DEGREE IN GRAPHIC DESIGN

Sem. Hrs.

I. GENERAL STUDIES (see page 61) 48

II. GRAPHIC DESIGN CORE 61

- 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 140 Art Appreciation 3
 ART 205 Digital Illustration 3
 ART 283 Graphic Design I 3
 ART 285 Photography I 3

- Sophomore Year (second semester)

- ART 286 Intro to Typography 3
 ART 383 Graphic Design II 3
 ART 388 Digital Imaging 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 386 Advanced Typography 3
 ART 483 Graphic Design III 3
 ART 484 3-D Graphic Design 3
 ART 486 Senior Project 3
 ART 498 Senior Comprehensive
 Exhibition 1

III. ELECTIVES to total 128 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 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 395 Animation for the Web	3
ART 495 Advanced Interface Design	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 434 Desktop Publishing	3

DIGITAL MEDIAL 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 new 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 Digital Media Design. The portfolio review will assess GPA and specific projects to determine the future academic path of the candidate.

DMD CONCENTRATION

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 48

II. DMD CORE 63

DMD 101 Intro to Digital Media Design	3
DMD 201 Sophomore Portfolio	1
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	2
CIS 271 Practical Computer Applications ..	3
BIS 372 Data Base Mgt. Systems	3
MKT 331 Principles of Marketing	3
MKT 425 E-Commerce	3
ART 110 Design I	3
ART 190 Intro to Computer Graphics	3
ART 205 Digital Illustration	3
ART 285 Photography I	3
ART 286 Intro to Typography	3
ART 295 Intro to Web Design	3
ART 388 Digital Imaging	3
ART 395 Animation for the Web	3
DMD 490 Senior Project	4

III. ELECTIVES to total 128 Hrs.

CURRICULUM FOR MINOR PROGRAM IN GRAPHIC DESIGN (B.A. or B.S.)

Sem. Hrs.

I. REQUIRED 27

ART 104 Drawing I	3
ART 110 Design I	3
ART 190 Intro to Computer Graphics	3
ART 205 Drawing for Designers	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

II. MAJOR FIELD AND ELECTIVES TO TOTAL 128 Hrs.

COMMUNICATIONS

The Department of Arts and Communications offers two bachelor of science communication programs. The Communications Degree is a comprehensive program, which does not require a minor, but students will select one concentration from the following: Broadcasting, Journalism, or Theater. The Non-Comprehensive Communications Program requires a minor outside Communications. Also available to non-Communication Majors is a Theater Minor.

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

BROADCASTING CONCENTRATION

I. GENERAL STUDIES

(see page 60) 48

II. REQUIRED CORE 59

COM 211 Mass Communication Media 3
COM 221 History and Survey of

Broadcasting 3

COM 223 Radio Production 4

COM 224 Television Production I 4

COM 225 Television Field Production 4

COM 231 Newswriting and Reporting I 3

COM 232 Newswriting and Reporting II 3

COM 301 Interpersonal Communication 3

COM 321 Television Production II 3

COM 322 Writing for Radio and Television ... 3

COM 325 TV Studio News Directing &
Production 3

COM 334 Editing for Media 3

COM 328 On-campus Internship –
Radio 2

OR

COM 329 On-campus Internship-
Television 2

COM 401 Communication Theory 3

COM 411 Mass Communication Law 3

COM 412 Media Ethics 3

COM 413 Public Relations 3

COM 425 TV Studio News Directing &
Production 3
MUS 287 Recording Techniques I: Live and
Studio Recording 3

III. RESTRICTED ELECTIVES 12

COM 241 Theater Appreciation 3

COM 311 Media and Society 3

COM 312 Media Sales 3

COM 323 Introduction to Cinema 3

COM 324 Documentary Film 3

COM 332 Feature Writing 3

COM 335 Feature Broadcast and Production 3

COM 336 Feature Writing for Broadcast 3

COM 420 3D Animation and Graphics 3

COM 422 Non-Linear Editing 3

COM 428 Profess. Internship in Radio 3-6

COM 429 Professional Internship in TV 3-6

COM 442 Stage Lighting 3

COM 478 Special Topics (in Radio/TV) 1-3

COM 479 Special Problems (in Radio/TV) . 1-3

MKT 331 Principles of Marketing 3

MGT 350 Principles of Management 3

IV. ADDITIONAL ELECTIVES to total 128 hours

JOURNALISM CONCENTRATION

I. GENERAL STUDIES

(see page 60) 48

II. REQUIRED CORE 58

COM 211 Mass Communication Media 3

COM 223 Radio Production 4

COM 224 Television Production I 4

OR

COM 225 Television Field Production 4

COM 231 Newswriting and Reporting I 3

COM 232 Newswriting and Reporting II 3

COM 233 History and Survey of Journalism . 3

COM 241 Theater Appreciation 3

COM 301 Interpersonal Communication 3

COM 331 Photojournalism 3

COM 332 Feature Writing 3

COM 333 Editorial Writing 3

COM 334 Editing for Media 3

COM 339 On-campus Internship –

COM 301 Interpersonal Communication 3

COM 401 Communication Theory 3

COM 411 Mass Communication Law	3
COM 412 Media Ethics	3
COM 413 Public Relations	3
COM 434 Desktop Publishing	3
ART 285 Photography I	3

III. RESTRICTED ELECTIVES 12

COM 325 TV Studio News Directing & Production I	3
COM 425 TV Studio News Directing & Production II	3
COM 432 Advanced News Photography	3
COM 439 Professional Internship – Journalism	3
COM 477 Genre Writing A-G	3
COM 478 Special Topics (in Journalism) ...	1-3
COM 479 Special Problems (in Journalism)	1-3
MKT 331 Principles of Marketing	3
MGT 350 Principles of Management	3

IV. ADDITIONAL ELECTIVES to total 128 hours

THEATER CONCENTRATION

I. GENERAL STUDIES

(see page 61) 48

II. REQUIRED CORE 56

COM 211 Mass Communication Media	3
COM 241 Theater Appreciation	3
COM 242 Introduction of Stagecraft	3
COM 243 Acting & Stage Technique	4
COM 245 Theater Production I	3
COM 301 Interpersonal Communications	3
COM 340 Drafting for the Stage	3
COM 341 History of Theater	3
COM 345 Costuming for the Stage	3
COM 346 Makeup for Stage	3
COM 347 Stagecraft	4
COM 349 Theater Intern	2
COM 401 Communication Theory	3
COM 411 Mass Communication Law	3
COM 412 Media Ethics	3
COM 441 Contemporary Drama	3
COM 442 Stage Lighting	3
COM 443 Play Directing	3
COM 446 Scene Design	3

III. RESTRICTED ELECTIVES 12

COM 221 History & Survey of Broadcasting	3
COM 223 Radio Production	4
COM 224 TV Production I	4
COM 225 Television Field Production	4
COM 231 News Writing and Reporting I	3
COM 438 Professional Internship–Theatre ..	3
COM 311 Mass Media & Society	3
COM 323 Introduction to Cinema	3
COM 324 Documentary Film	3
COM 331 Photojournalism	3
COM 342 Playwriting	3
COM 343 Voice for Stage	3
COM 413 Public Relations	3
COM 434 Desktop Publishing	3
COM 445 Advanced Acting	3
COM 478 Special Topics (in Theater)	1-3
COM 479 Special Problems (in Theater) ..	1-3
MUS 387 MIDI and Digital Synthesis	3
ENG 311 Shakespeare	3
MKT 331 Principles of Marketing	3
MGT 350 Principles of Management	3
ART 100 Fundamentals of Art	3
ART 110 Design I	3
ART 140 Art Appreciation	3
ART 160 Design II	3
ART 210 Watercolor Painting I	3
ENG 395 Literary Criticism	3

IV. ADDITIONAL ELECTIVES to total 128 hours

BACHELOR OF SCIENCE COMMUNICATIONS PROGRAM (Non-Comprehensive)

I. GENERAL STUDIES

(see page 61) 48

II. REQUIRED 39

COM 211 Mass Communication Media	3
COM 223 Radio Production	4
COM 224 Television Production I	
OR	
COM 225 Television Field Production	4
COM 231 News Writing and Reporting I	3
COM 232 News Writing and Reporting II	3
COM 241 Theater Appreciation	3

COM 401 Communication Theory 3

TWO out of three internships:

COM 329 On-campus Internship - Radio and TV	
COM 339 On-Campus Internship - Journalism	
COM 349 On-Campus Internship - Theatre	4
COM 411 Mass Communication Law	3
COM 412 Media Ethics	3
COM 413 Public Relations	3

III. Electives from the following: .. 16

COM 203 Argumentation and Debate	3
COM 221 History and Survey of Broadcasting	3
COM 224 Television Production I	

OR

COM 225 Television Field Production	4
COM 242 Introduction to Stagecraft	3
COM 243 Acting and Stage Technique	4
COM 245 Theater Practicum	1
COM 278 Special Topics	1-3
COM 311 Mass Media and Society	3
COM 312 Media Sales	3
COM 321 Television Production II	3
COM 322 Writing for Radio and Television	3
COM 323 Introduction to the Cinema	3
COM 331 Photojournalism	3
COM 332 Feature Writing	3
COM 333 Editorial Writing	3
COM 334 Editing for Media	3
COM 340 Drafting for Theater	3
COM 341 History of the Theater	3
COM 342 Playwriting - The One Act Play	3
COM 343 Voice for the Stage	3
COM 344 Storytelling and Creative Drama	2
COM 345 Costuming	3
COM 346 Make-up for the Stage	3
COM 347 Stagecraft	4
COM 421 Topics in Advanced Television Production	2-4
COM 429 Prof. Internships: Radio and TV	6
COM 432 Advanced News Photography	3
COM 434 Desktop Publishing	3
COM 439 Professional Internship: Journalism	3
COM 440 Professional Internship: Public Relations	3
COM 441 Contemporary Drama	3
COM 442 Stage Lighting	3
COM 443 Play Directing	3
COM 445 Advanced Acting	3
COM 446 Scenic Design	3
COM 478 Special Topics	1-3

COM 479 Special Problems	1-3
MUS 387 MIDI and Digital Synthesis	2
MUS 388 Advanced Techniques in MIDI, Synthesis and Recording	2

IV. Minor Field and Electives to Total 128 Hrs.

THEATER MINOR FOR NON-COMMUNICATION MAJORS (25 Hrs.)

REQUIRED (15 Hrs.)

COM 241 Theater Appreciation	3
COM 242 Introduction to Stagecraft	3
COM 243 Acting and Stage Technique	4
COM 346 Make-Up for Stage	3
COM 349 On-Campus Internship in Theater	2

ELECTIVES (at least 10 hours) COM

245 Theater Practicum	1-3
COM 278 Special Topics (Relating to Theater)	1-3
COM 340 Drafting for Theater	3
COM 341 History of the Theater	3
COM 342 Playwriting-The One Act Play	3
COM 343 Voice for the Stage	3
COM 344 Story-Telling and Creative Drama	2
COM 345 Costuming for the Stage	3
COM 347 Stagecraft	4
COM 441 Contemporary Drama	3
COM 442 Stage Lighting	3
COM 443 Play Directing	3
COM 445 Advanced Acting	3
COM 446 Scenic Design	3
COM 478 Special Topics (Relating to Theater)	1-3
COM 479 Special Problems (Relating to Theater)	1-3
HON 499 Honors Seminar (Relating to Theater)	1-3

MUSIC

West Liberty State College is an accredited institutional member of the National Association of Schools of Music. The major curriculum is a four-year course in music education leading to the degree of Bachelor of Arts. This comprehensive music teaching field curriculum prepares students for positions in

the public schools. The music minor curriculum is offered for students with previous musical experience who wish to continue music study, though not on a full-time professional basis, and are not interested in music as a teaching vocation or avocation. An audition is required to be accepted as a music major or minor. This can be arranged by contacting the chairperson of the Department of Arts and Communications. An additional option is combining music with other fields in interdisciplinary settings. Refer to page 168.

In addition to meeting the regular college entrance requirements, students desiring to major or minor in music must demonstrate talent in instrumental or vocal performance and should have had considerable experience in school or community musical organizations. Sometime before freshman registration, preferably in the spring preceding their entrance into college, all prospective majors are required to arrange a personal interview with the Chairperson of the Department of Arts and Communications and present two letters of recommendation from persons familiar with the student's musical abilities. At this time the prospective student should be prepared to play or sing a solo of his or her own selection, and should be able to demonstrate both ability at sight reading and basic knowledge of music fundamentals. A student should arrange for this audition by writing directly to the Chairperson of the Department of Arts and Communications at the same time he or she applies to the Office of Admissions.

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.

Mission Statement

The Department of Arts and Communication realizes its important place in the training of our student musicians

by emphasizing educational experiences that develop life-long learners of music. With this in mind, the department holds most important its mission of:

Teacher Training, Service to the College, and Service to the Community.

The goals and objectives of the department, 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 practitioners in education and other professional fields of music. We do this by providing classes, 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 to elementary education majors, and general music courses and concerts as well as opportunities to participate in a variety of ensembles, to all students in the college.
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.

FACILITIES FOR MUSIC INSTRUCTION

Music facilities are housed in the Hall of Fine Arts and in adjacent College Hall. College Hall contains an auditorium seating 453, a 3-manual Moller pipe organ of 42 ranks, and two concert grand pianos. Also housed in College Hall are the Music Education laboratory, two studio offices, and a digital recording stu-

dio dedicated specifically to recording events in the Helen Pierce Elbin Auditorium of College Hall. Facilities in the Hall of Fine Arts include 12 air-conditioned practice rooms equipped with Yamaha Disklavier pianos and tone modules, eight studio offices, a music technology computer laboratory, a state-of-the-art recording studio, and two large rehearsal-lecture rooms. The Paul N. Elbin Library houses a large collection of both audio and video recordings. All instruments and practice facilities are available to music majors, music minors, and other students of the college who are participating in organizations sponsored by the department.

West Liberty's Interfaith Chapel is immediately north of the Hall of Fine Arts and is conveniently available for music programs suitable to a chapel. Friends of the college contributed funds for the purchase of the three-manual, 33-rank Moller pipe organ for the chapel, and Grand Piano.

CURRICULUM FOR THE PREPARATION OF TEACHERS MUSIC EDUCATION (COMPREHENSIVE) PREK-ADULT

Sem Hrs.

I. GENERAL STUDIES
(see page 61) 45-47

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

CHORAL EMPHASIS 68-69

A. Music Theory 18

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
MUS 315 Form and Analysis	2

B. Music History and Literature 8

MUS 131 Introduction to Music Literature	2
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 and Literature	3

D. Fundamentals Courses 12

MUS 153 Fundamentals of Voice	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)

Participation in Chorus each semester of full-time enrollment except during the semester of student teaching. A minimum of 4 semester hours is required in choral organizations, and a minimum of two semesters is required in instrumental organizations.

Piano and Organ Majors

One semester of MUS 374 Accompanying Practicum	1
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INSTRUMENTAL EMPHASIS ... 68-70**A. Music Theory 18**

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
MUS 315 Form and Analysis	2

B. Music History and Literature 8

MUS 131 Introduction to Music Literature	2
MUS 330 History of Music I	3
MUS 331 History of Music II	3

C. Conducting and Techniques 6

MUS 340 Basic Elements of Conducting	2
MUS 343 Fundamentals of Marching Band ..	2
MUS 344 Choral & Instrumental Conducting and Arranging	2

D. Fundamentals Courses 12

MUS 153 Fundamentals of Voice	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**

Participation in MUS 364 each semester of full-time enrollment except for the semester of student teaching. Two semesters of participation in an ensemble in the student's major applied area. A minimum of two semesters of participation in choral organizations.

Guitar and String 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**Freshman Year**

EDUC 100 Intro. to Profession Education ...	1
MUS 346 Computers in Music Education ...	3

Sophomore Year

EDUC 201 Human Development	3
EDUC 301 Educational Psychology	4
SPED 241 Intro to Exceptionalities	3

Junior Year

EDUC 207 Foundations of Education	3
MUS 451 Music in the Elementary School ..	3
MUS 452 Music in the Middle School	2
MUS 453 Music in the Secondary School ...	2
SPED 320 Collab. Teaching of Secondary Students with Special Needs	3
READ 302 Reading for Content Area	3

Senior Year Professional Semester	
EDUC 409 School Law and Organization ...	1
EDUC 470 Student Teaching Seminar	1
EDUC 480 Student Teaching Early Childhood	1-4
EDUC 482 Student Teaching Adolescent Educ.	1-4
EDUC 484 Student Teaching Middle Childhood	1-4

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

NOTE: Students must attend 60 approved concerts before graduation.

MINOR IN MUSIC (Either B.A. or B.S. degree) (Minimum 26 semester hours)

A. MUS 103 Ear Training I	2
MUS 113 Theory I	2
B. MUS 130 Appreciation of Music or MUS 330 or 331 History of Music I or II	3
C. Applied music (completing the 182 level in .. one applied area)	4

D. Organizations (8 hours maximum)	4
E. Electives in conducting and/or courses from the above areas	11

APPLIED MUSIC, PRIVATE INSTRUCTION

Private instruction in piano, organ, voice, traditional band instruments, guitar and string instruments is available to students of the college. Faculty teaching loads may necessitate preference being given to students who are meeting requirements listed in their respective curriculum. Beginning instruction in Piano (164 and 165) and (171 and 172) is on a semi-private basis with classes limited to a maximum of twelve in each class. One semester hour of credit in applied music represents fifteen weekly thirty-minute lessons and at least four hours of practice per week.

All students enrolled for private instruction at the 181 level or higher are required to appear as soloist on either a division or regular public recital each semester except their first semester at the 181 level.

Courses designated by numbers 81 through 482 represent study by the music student in his/her major area of applied music. Levels 81 and 82 are remedial in nature and the student cannot receive credit towards graduation requirements at this precollege level of instruction. Level 81 shall carry one hour of institutional credit and level 82 shall carry one or two hours of institutional credit.

Catalog numbers in the 181 through 482 series indicate a higher level of accomplishment such as is expected of a student in his/her major applied field. Levels 181 through 482 represent two hours of credit each. Only the music major studying in his/her major area of applied music may enroll for two hours credit. All others must enroll for one hour only and are required to repeat the level until the two-hour requirement represented by the level is fulfilled. Completion of a level or a part of a level is de-

fined as receiving a grade of C or better.

Students with an applied music emphasis in the Interdisciplinary Studies Degree Program may enroll for up to four hours credit in the 181 through 482 levels.

All music majors must earn twelve hours of credit and complete the 382 proficiency level in at least one area of applied music. Examples of proficiency levels for all areas of applied music study are outlined in the Music Department Handbook, which is available upon request from the Chair of the Department of Arts and Communication.

STUDENT TEACHING REQUIREMENTS

All music majors are required to complete the 172 level or higher in piano. All music education majors must attain a 2.5 average or above in all music courses which they have taken in order to receive the department's recommendation for entrance into the professional semester in education.

Music majors should complete the following courses before they begin student teaching: (1) All theory and ear training courses—113, 114, 213, 214, and 103, 104, 203, 204; (2) two semesters of conducting—340 and 344; (3) all fundamentals courses—153, 164, 165, 252, 253, 254, 255 and Functional Keyboard 375; (4) at least the 381 level in one performance area.

CONCERT ATTENDANCE REQUIREMENT

Each music education major must attend a minimum of 60 recital and concert performances as part of graduation requirements. Failure to complete the requirement will delay graduation until the requirement is fulfilled.

In meeting the requirement, each student is to include attendance at at least one event in each of the following categories: symphony orchestra, chamber music, opera, musical theater, ethnic/world music, solo performances; departmental student recitals: You may

count no more than one per semester, and it may not be a recital on which you perform; choir and vocal ensembles, large instrumental ensembles such as bands, symphonic wind ensembles, etc.; smaller instrumental ensembles such as brass ensemble, woodwind ensemble, percussion ensemble, etc.

If a student is performing in more than one West Liberty ensemble in a semester, one performance may be counted toward the required number.

The assistant chair of the Department of Arts and Communications will post a list of the concerts and recitals that may be used to meet this requirement. Any other programs must be approved in advance by the assistant chair.

DEPARTMENT OF HUMANITIES

Dr. David Thomas, Interim Chairperson, Dr. Robert Gall, Dr. John Hattman, Dr. Linda Okey-McGinley, Ms. Kathleen Paleudis, Mr. Leonard Rinchiuso, Dr. Peter Staffel.

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. And if they are minors, they 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.

Students interested in language, writing, and/or literature have four areas of specialization from which to choose: the Liberal Arts English major; the Secondary Education major with English as a main teaching field, English 5-Adult; the Secondary Education major with English 5-9; and the Elementary Education major with English 5-9. In addition, students may elect English as a minor in the Liberal Arts degree program.

ACADEMIC AND

PRE-PROFESSIONAL COUNSELING

Academic and pre-professional counseling are provided to all majors and minors regardless of programs. To help students plan their academic programs effectively, the Department urges all majors and minors to select a member of the English faculty as an advisor and to consult with their advisor regularly. During the first meeting with advisors students fill out the Major-Minor Personal Data Form and receive a program guide.

LIBERAL ARTS DEGREE

The Liberal Arts English curriculum is designed to provide students not only with a thorough, applied understanding of the history and structure of the language but also with an abiding appreciation of the nature, purpose, and variety of literary forms. Literature study provides unique and powerful learning experiences. By reflecting on the worldviews and images of humanity embodied in literature, students can gain perspectives of the complexities of existence.

ENGLISH 5-ADULT, 5-9

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. An examination of the specific programs (5-Adult, 5-9) reveals that each is designed to help stu-

dents meet the following goals as teachers:

- (1) understand the structure of language and the dynamics of communication;
- (2) acquire a knowledge of language and composition that enables them to speak and write correctly and effectively;
- (3) 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.

ENGLISH LIBERAL ARTS

Sem. Hrs.
Major Minor

I. GENERAL STUDIES

(see page 61) 63 63

II. REQUIRED COURSES 40 24

ENG 204 English Literature 3 3

ENG 205 American Literature 3 3

ENG 214 English Literature After
the 18th Century 3 3

ENG 215 American Literature
After the Civil War 3 3

ENG 311 Shakespeare 3 3

ENG 385 Advanced Composition ... 3 3

ENG 490 World Literature I 3

ENG 495 English Liberal Arts
Senior Seminar 1

III. REQUIRED ELECTIVES

Select one course from 3

ENG 275 Structure of English

ENG 276 Linguistics and History of Language

ENG 395 Literary Criticism

IV. ENGLISH ELECTIVES 15 6 *

Any five (or two if a minor) English courses except 101 and 102, three of which must be 300-level or above.

V. ELECTIVES TO TOTAL .. 128 Sem. Hrs.

* One course should be 300-level or above.

ENGLISH 5-ADULT

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 45-47

II. REQUIRED COURSES 51

ENG 204 English Literature 3

ENG 214 English Literature After the
18th Century 3

ENG 205 American Literature 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

OR

ENG 492 World Literature II 3

LITERATURE ELECTIVES (ANY 300 or 400
LITERATURE COURSE) 6

ENG 275 Structure of English 3

ENG 276 Linguistics and History of English 3

ENG 360 Creative Writing – Poetry

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

COM 231 News Writing and Reporting 3

III. PROFESSIONAL EDUCATION COMPONENT 41

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper-level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior

to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

IV. ELECTIVES AND/OR OPTIONAL SECOND SPECIALIZATION

TO TOTAL 128 Sem. Hrs.

ENGLISH 5-9

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 45-47

II. REQUIRED COURSES 42

ENG 204 English Literature 3

ENG 205 American Literature 3

ENG 214 English 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

OR

ENG 490 World Literature I

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

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

COM 231 News Writing and Reporting I

OR

Literature Elective (Any 300 or 400 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. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper-level courses, including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

IV. FIRST SPECIALIZATION AND ELECTIVES TO TOTAL 128 Sem. Hrs.

POLICY FOR ENTRANCE INTO ENGLISH EDUCATION

A. Criteria

The Chairperson of the Department of Humanities will recommend an applicant provided the applicant has achieved the following: (1) A 2.5 average in English (including freshman composition); (2) an average or above average rating from the English faculty who have instructed the applicant. (The rating will be a composite on file with the Humanities Department Chairperson.)

B. Evaluation Procedure

1. The Chairperson of the Department of Humanities will obtain copies of

applicants' transcripts to determine English grade-point average and communicate this information to the English faculty to give them an opportunity to evaluate the applicants' strengths and weaknesses. Applicants will be evaluated twice prior to the professional semester (student teaching semester). The first departmental evaluation will be the first semester of the junior year, and the second departmental evaluation will be the semester immediately prior to the professional semester.

2. After either departmental evaluation, an applicant who does not have an average or above-average rating from faculty who have taught the student in English classes will be required to meet with the advisor and the Chairperson to identify the reasons and to agree upon remedial measures. If the problems warrant, action on the application will be postponed until the student has had an opportunity to act on the suggestions.

3. When the applicant and/or advisor believes that the given problems have been addressed, the applicant will confer with the Chairperson. The Chairperson will then recommend (conditionally or unconditionally) or not recommend the applicant. The Chairperson will apprise the applicant of the reasons for the decision and of the appeals procedure available to the applicant.

C. Appeal Procedure

1. Any applicant who wishes to appeal should ask the Chairperson for a hearing by the Department of Humanities Appeals Committee.

2. The Committee will be composed of the Department Chairperson, the Department's Representative to the Teacher Education Committee (who will chair the committee), a member of the Department's Academic Counseling Committee, one of the student representatives to the Humanities Department, and – if the applicant wishes – an English faculty member of the student's choosing.

3. The applicant may be present at any meetings of the Appeals Committee.

4. Other persons may be invited to contribute information about the case.

5. Any applicant may appeal a decision of the Department's Appeals Committee to (in sequence): The Teacher Education Appeals Committee, the vice president for academic affairs, the president, and the Board of Directors.

FINANCIAL ASSISTANCE

The Department has at its disposal Work-Study funds for students who need financial aid and/or who want to gain experience by working for the Department as researchers, typists, graders, and lab assistants. Students interested in financial assistance should contact the Chairperson of the Department of Humanities.

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. Liberal Arts majors 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. (see page 55).

GERMAN Not a Minor Field

The following courses are offered on a one-year rotation basis.

GER 101 Beginning German I	3
GER 102 Beginning German II	3
GER 201 Intermediate German I	3
GER 202 Intermediate German II	3

RUSSIAN Not a Minor Field

The following courses are offered on a one-year rotation basis.

RUSS 101 Beginning Russian I	3
RUSS 102 Beginning Russian II	3
RUSS 201 Intermediate Russian I	3
RUSS 202 Intermediate Russian II	3

SPANISH Minor

Sem. Hrs.

I. GENERAL STUDIES
(see page 60) **63**

II. 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

**III. MAJOR FIELD AND ELECTIVES
TO TOTAL** **128 Sem. Hrs.**

PHILOSOPHY

The primary task of the Philosophy program is to introduce critical thinking, problem solving, and interpretive skills in all of its course offerings. The program attempts to apply the

above-mentioned skills to the various disciplines in the Arts and Sciences.

At the present time, fifty percent of the people admitted to schools of law and medicine have a strong background in Philosophy. The study of Philosophy promotes skills in analytical thinking and in constructive thinking, skills in interpretation, and a background in philosophical problems and issues that affect human inquiry in all areas of study and practice.

The particular emphasis in the program is the attempt to teach principles of moral responsibility in thought, belief, and action to promote the values of democracy in our pluralistic culture. The faculty believes this is best done by the teaching of critical thinking in their course offerings. All of these methods deal with problems of justification of belief and claims to knowledge in the pursuit of truth. The goal of the program is to produce the attitude of critical awareness of one's assumptions, beliefs, and claims to knowledge in the context of the above listed skills in order to help students to be more effective citizens and practitioners in their chosen professions. An interdisciplinary major in Philosophy is also offered.

**PHILOSOPHY LIBERAL ARTS
Minor**

Sem. Hrs.

**I. GENERAL STUDIES
(see page 61) 63**

II. REQUIRED COURSES 18
PHIL 201 Introduction to Philosophy 3
Electives in Philosophy 15

**III. MAJOR FIELD AND ELECTIVES
TO TOTAL 128 Sem. Hrs.**

RELIGION

The aim of the Religion program is to offer a critical and methodological approach to religious studies. The meth-

ods of critical thinking will be used to evaluate the different claims of knowledge and truth in the different religious systems and the problems of response to the plurality of competing claims to truth within our democratic society.

**RELIGION LIBERAL ARTS
(Pre-Theological Studies)
Minor**

**I. GENERAL STUDIES
(see page 61) 63**

II. REQUIRED COURSES 18
REL 301 Old Testament Literature
OR
REL 310 New Testament Literature 3
REL 350 World Religions 3
Electives in Religion 12

**III. MAJOR FIELD AND ELECTIVES
TO TOTAL 128 Sem. Hrs.**

**WOMEN'S STUDIES
Minor**

Sem. Hrs.

**I. GENERAL STUDIES
(see page 61) 63**

II. REQUIRED COURSES 7
WMS 101 Introduction to Women's Studies 3
WMS 400 Senior Seminar 4

**III. ELECTIVES IN WOMEN'S STUDIES
COURSES 18**
(No more than two courses from any one discipline: English, Music, Art, Business, etc.)

(At least two Special Topic electives will be offered every semester on a rotating basis. See Women's Studies Advisor for course offerings.)

TOTAL 25

**IV. MAJOR FIELD AND ELECTIVES
TO TOTAL 128 Sem. Hrs.**

WRITING MINOR

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 63

II. 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

III. ELECTIVE CHOICES:

Choose from the following 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

COM 342 Playwriting-The One Act Play 3

GBUS 322 Business Communications 3

PHIL 310 Logic (Critical Thinking) 3

IV. TOTAL HOURS FOR MINOR ... 21

V. MAJOR FIELD AND ELECTIVES

TO TOTAL 128 Sem. Hrs.

DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

Dr. Brian Crawford, Interim Chairperson, Dr. Michael Marshall, Assistant Chairperson, Ms. Sheli Bernstein-Goff, Dr. Diana Crutchfield, Dr. Susan Herrick, Dr. David Javersak, Dr. Robert Kruse, Dr. David Linden, Dr. Richard Lizza, Dr. Tammy McClain, Ms. Johnette McCracken, Dr. Frank Noble, Dr. Richard Owens, Dr. Michael Strada, Dr. Eric Zuelow.

The social and behavioral science disciplines enable students to develop a critical and reflective understanding of the past and present human condition together with an ability for informed speculation about the future.

Social sciences may be chosen as

a major leading to a B.A. or B.S. degree with a concentration in geography, history, interdisciplinary pre-law, international studies, political science or sociology. Students may also earn a B.A. or B.S. degree in psychology. Liberal Arts minors are available in each of these academic disciplines. Students may also earn a B.S. degree in criminal justice with a forensic concentration; or a B.S. minor in social work.

Social Studies may be selected as a first or second teaching field by those preparing for an elementary or secondary education degree.

CURRICULUM FOR THE PREPARATION OF TEACHERS

SOCIAL STUDIES COMPREHENSIVE, 5-ADULT

Social Studies (5-Adult and 5-9) students must achieve a 2.5 GPAs in both social studies programs and must earn a grade of "C" or better in each content course taken in the 5-Adult and the 5-9 program.

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 45-47

II. REQUIRED 45

ECON 101 Principles of Macroeconomics ... 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 1865 3

HIST 211 United States History Since 1865 3

POLS 101 Basic Concepts in Politics and

Government 3

POLS 201 National Government 3

PSYC 201 General Psychology 3

SOC 150 Basic Concepts of Sociology 3

SOC 235 Cultural Anthropology 3

SS 100 Global Issues: Introduction to

Social Science 3

SS 302 West Virginia and the Appalachian

Region 3

III. RESTRICTED SOCIAL SCIENCE ELECTIVES 6

Six (6) hours from the following:

ECON 102 Principles of Microeconomics ...3

GEO 405 Conservation of Natural

Resources3

POLS 202 American State and Local

Government3

PSYC 225 Psych. of Childhood and

Adolescence3

IV. HISTORY ELECTIVES 9

Any three upper level courses provided that at least one must be American and one must have a European or non-Western orientation (300 or 400 level).

V. SOCIAL AND BEHAVIORAL SCIENCE ELECTIVES 9

Any three upper level courses in Geography, Political Science, Psychology or Sociology, no more than one from a single discipline.

VI. PROFESSIONAL EDUCATION COMPONENT WHICH INCLUDES EDUC 356 (see page 90)

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Profes-

sional Semester, all students must successfully complete a Level III portfolio review.

VII. ELECTIVES TO TOTAL 128 Sem. Hrs.

SOCIAL STUDIES FOR MIDDLE CHILDHOOD EDUCATION, 5-9

Social Studies (5-Adult and 5-9) students must achieve a 2.5 GPAs in both social studies programs and must earn a grade of "C" or better in each content course taken in the 5-Adult and the 5-9 program.

I. GENERAL STUDIES

(see page 61) 45-47

II. REQUIRED 45

ECON 101 Principles of Macroeconomics ..3

GEO 205 Introduction to Geography3

GEO 206 World Regional Geography3

GEO 310 Geography of U.S. and Canada ..3

HIST 103 History of Civilization I3

HIST 104 History of Civilization II3

HIST 210 United States History to 18653

HIST 211 United States History Since 18653

POLS 101 Basic Concepts in Politics and

Government3

POLS 201 National Government3

PSYC 201 General Psychology3

SOC 150 Basic Concepts of Sociology3

SOC 235 Cultural Anthropology3

SS 100 Global Issues: Introduction to

Social Science3

SS 302 West Virginia and the Appalachian

Region3

III. PROFESSIONAL EDUCATION COMPONENT WHICH INCLUDES EDUC 356 AND EDUC 392 (see page 90)

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of

2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

IV. SECOND FIELD AND ELECTIVES TO TOTAL 128 Sem Hrs.

SOCIAL SCIENCE

B.A. AND B.S. DEGREE PROGRAMS THE DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 63 or 48

(Students must complete the program for the degree selected)

II. SOCIAL SCIENCE CORE 24

(All students must complete this program component)

REQUIRED:

ECON 101 Principles of Macroeconomics ...	3
GEO 205 Introduction to Geography	3
HIST 104 History of Civilization II	3
HIST 211 United States History Since 1865 ..	3
POLS 101 Basic Concepts in Politics and Government	3
POLS 201 National Government	3
SOC 150 Basic Concepts of Sociology	3
SS 100 Introduction to Social Science	3

III. SOCIAL SCIENCE CONCENTRATIONS

(Students must choose a concentration area from the following):

A. GEOGRAPHY 36

GEO 205, 302, 306, 310 or 320 or 330 or 340 or 350, 371, 400, 450, 452, MATH 160; SS 250, and six (6) hours of electives in geography.

B. HISTORY 30

HIST 103, 210, 480 and twenty-one (21) elective hours in history.

C. INTERDISCIPLINARY

PRE-LAW 33

ENG 385; COM 203; PHIL 310; POLS 202, 420, 441, 442, 450 and six (6) elective hours in political science with approval of the pre-law advisor.

D. INTERNATIONAL STUDIES .. 33

ECON 409; ENG 492; GEO 310 or 320 or 330 or 340 or 350; HIST 319 or 337 or 341 or 372 or 385; POLS 303. Plus eighteen (18) hours chosen from the following: ART 341, 342, 343; GBUS 325; ECON 411; ENG 392; HIST 319, 337, 341, 372, 385, 426; POLS 324, 426; GEO 371; REL 350; SS 478.

E. POLITICAL SCIENCE 34

POLS 201, 202, 300, 303, 304, 324, 420, 426; MATH 160; SS 250, 450, 451.

F. SOCIOLOGY 34

SOC 235, 350 or 370, 440, 475; MATH 160; SS 250, 450, 451 plus twelve (12) elective hours 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 B.A. or B.S. discipline as their concentration.

IV. ELECTIVES TO TOTAL 128 SEM. HRS.

A minimum of 40 of these 128 required semester hours must be in upper level (300 or 400) coursework.

CRIMINAL JUSTICE

The hallmark of this 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.

Other features include:

- Transfer credits for approved state police, municipal/local police, and corrections academics graduates.
- Course work scheduled during the evening hours.
- Required field placement is offered during the Fall, and Spring schedules.

CRIMINAL JUSTICE BACHELOR OF SCIENCE DEGREE

Sem. Hrs.

I. GENERAL STUDIES (see page 61) 48

II. REQUIRED 42

CJ 152 Introduction to Criminal Justice	3
CJ 236 Criminology I: History and Causes of Criminal Behavior	3
CJ 237 Criminology II: Deviant Behavior and Social Control	3
CJ 238 Juvenile Delinquency and Justice ...	3
CIS 271 Practical Computer Applications ...	3
CJ 281 Contemporary Corrections	3
CJ 302 Ethics in Criminal Justice	3
CJ 303 Criminal Law	3
CJ 353 Correctional Assessment, Casework and Counseling	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

III. RESTRICTED ELECTIVES 18

Courses must be approved by advisor and should be 300 or 400 level.

IV. ELECTIVES to total .. 128 Sem. Hrs.

CRIMINAL JUSTICE Minor

Sem. Hrs.

I. GENERAL STUDIES (see page 61) 48

II. REQUIRED COURSES 21

CJ 152 Introduction to Criminal Justice	3
CJ 236 Criminology I: History and Causes of Criminal Behavior	3
CJ 237 Criminology II: Deviant Behavior and Social Control	3
CJ 281 Contemporary Corrections	3
CJ 302 Ethics in Criminal Justice	3
CJ 303 Criminal Law	3
CJ 480 Contemporary Law Enforcement	3

III. MAJOR FIELD AND ELECTIVES TO TOTAL 128 Sem. Hrs.

SOCIAL WORK Minor

Sem. Hrs.

I. GENERAL STUDIES (see page 61) 48

II. REQUIRED COURSES 33

SWK 200 Intro to Social Work	3
SWK 201 Ethnicity, Diversity & Cultural Awareness	3

OR

SOC 235 Cultural Anthropology	3
SWK 300 Social Welfare Policies and Services	3
SWK 306 Counseling Theories	3
SWK 308 Crisis & Disaster Intervention	3
SWK 400 Social Work Intervention with Individuals & Families	3
SWK 401 Social Work Intervention with Groups	3
SWK 402 Social Work Intervention with Communities & Organizations	3
SWK 403 Family & Child Welfare	3
SWK 416 Human Behavior and the Social Environment	3
SWK 441 Diagnosis in Mental Health	3

IV. MAJOR FIELD AND ELECTIVES TO TOTAL 128 Sem. Hrs.

Recommended electives:

SOC 150 Basic Concepts of Sociology	3
PSYC 201 General Psychology	3

PSYCHOLOGY (B.A. or B.S. Degree)

The Department of Social and Behavioral Sciences at West Liberty State College provides a quality undergraduate psychology program. The curriculum is designed to produce students who have a strong liberal arts foundation which will prepare them to succeed in the workplace and graduate school.

PSYCHOLOGY: B.A. DEGREE

Sem. Hrs.

I. GENERAL STUDIES

(see pages 61) 63

II. PSYCHOLOGY CORE 12-15

PSYC 201 General Psychology	3
SS 250 Statistics in Social & Behavioral Sciences	3
PSYC 301 Experimental Psychology	3
* PSYC 409 History of Psychology	3
PSYC 475 Current Issues in Psychology	3

* Optional

III. AREAS OF CONCENTRATION AND PSYCHOLOGY ELECTIVES 18

One course from each concentration.

A. Social-Industrial	3
PSYC 414 Consumer Psychology	
PSYC 415 Industrial/Organizational Psychology	
PSYC 416 Social Psychology	
PSYC 419 Applied Psychology	

B. Developmental-Personality	3
PSYC 225 Psychology of Childhood & Adolescence	
PSYC 320 Psychology of Adulthood & Old Age	
PSYC 321 Psychology of Personal Growth	
PSYC 420 Psychology of Personality	

C. Experimental	3
PSYC 335 Introduction to Learning	
PSYC 336 Sensation & Perception	
PSYC 435 Motivation & Emotion	
PSYC 437 Cognitive Psychology	
PSYC 439 Physiological Psychology	
D. School-Clinical	3
PSYC 345 Psychological Tests & Measurements	
PSYC 441 Abnormal Psychology	
PSYC 443 Introduction to School Psychology	
PSYC 446 Clinical Psychology	

E. Electives in Psychology 6

IV. SECOND FIELD OR MINOR AND ELECTIVES TO TOTAL 128 Hrs.

A minimum of 40 of these 128 required semester hours must be in upper level (300 or 400) coursework.

PSYCHOLOGY: B.S. DEGREE

Sem. Hrs.

I. GENERAL STUDIES

(see pages 61) 48

II. PSYCHOLOGY CORE 12-15

PSYC 201 General Psychology	3
SS 250 Statistics in Social & Behavioral Sciences	3
PSYC 301 Experimental Psychology	3
* PSYC 409 History of Psychology	3
PSYC 475 Current Issues in Psychology	3

* Optional

III. AREAS OF CONCENTRATION AND PSYCHOLOGY ELECTIVES 33

Two courses from each area required.

A. Social-Industrial	6
PSYC 414 Consumer Psychology	
PSYC 415 Industrial/Organizational Psychology	
PSYC 416 Social Psychology	
PSYC 419 Applied Psychology	

B. Developmental-Personality	6
PSYC 225 Psychology of Childhood & Adolescence	
PSYC 320 Psychology of Adulthood & Old Age	
PSYC 321 Psychology of Personal Growth	
PSYC 420 Psychology of Personality	

C. Experimental	6
PSYC 335 Introduction to Learning	
PSYC 336 Sensation & Perception	
PSYC 435 Motivation & Emotion	
PSYC 437 Cognitive Psychology	
PSYC 439 Physiological Psychology	

D. School-Clinical	6
PSYC 345 Psychological Tests & Measurements	
PSYC 441 Abnormal Psychology	
PSYC 443 Introduction to School Psychology	
PSYC 446 Clinical Psychology	

E. Electives in Psychology	9
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IV. SECOND FIELD OR MINOR AND ELECTIVES TO TOTAL 128 Hrs.

A minimum of 40 or these 128 required semester hours must be in upper level (300 or 400) coursework.

GEOGRAPHY (B.S. or B.A. Degree) Minor

Sem. Hrs.

I. GENERAL STUDIES (see page 61) 63 or 48

II. REQUIRED	18
GEO 205 Introduction to Geography	3
GEO 206 World Regional Geography	3
GEO 310 Geography of U.S. and Canada ...	3
Electives in Geography	9

III. MAJOR FIELD AND ELECTIVES TO TOTAL 128 Sem Hrs.

HISTORY (B.S. or B.A. Degree) Minor

**Sem. Hrs.
Minor**

I. GENERAL STUDIES (see page 61) 63 or 48

II. REQUIRED	21
HIST 103-104 World Civilization I, II	6
HIST 210-211 U.S. History I, II	6
Electives in History	9

III. MAJOR FIELD AND ELECTIVES TO TOTAL 128 Sem. Hrs.

INTERNATIONAL STUDIES (B.A. or B.S. DEGREE) MINOR

Sem. Hrs.

I. GENERAL STUDIES (see page 61) 63 or 48

II. REQUIRED COURSES	9
GEO 206 World Regional Geography	3
SS 100 Global Issues	3
POLS 303 International Relations	3

III. RESTRICTED INTERNATIONAL STUDIES ELECTIVES

Twelve (12) hours from the following:	12
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 372 Modern East Asia	3
HIST 385 History of Africa	3
POLS 324 Politics of Development	3
POLS 426 Twentieth Century U.S.	
Foreign Policy	3
REL 350 World Religions	3
SS 478 Special Topics	3
SOC 235 Cultural Anthropology	3

IV. MAJOR FIELD AND ELECTIVES TO TOTAL 128 Sem. Hrs.

**POLITICAL SCIENCE TRACK
(B.S. or B.A. Degree) Minor**

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 63 or 48

II. REQUIRED 21

POLS 201 National 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 or 3

POLS 425 Twentieth Century U.S. Foreign Policy

POLS 420 Modern Political Thought 3

Electives in Political Science 3

III. MAJOR FIELD AND ELECTIVES

TO TOTAL 128 Sem. Hrs.

**POLITICAL SCIENCE
INTERDISCIPLINARY PRE-LAW
(B.S. or B.A. DEGREE)**

Minor

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 63 or 48

II. REQUIRED COURSES 30

ENG 274 Technical Writing 3

ENG 385 Advanced Composition &

Grammar 3

COM 203 Argumentation & Debate 3

PHIL 310 Logic 3

POLS 101 Basic Concepts in Politics &

Government 3

POLS 201 National 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

III. MAJOR FIELD AND ELECTIVES

TO TOTAL 128 Sem Hrs.

**• 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 num-

ber 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.

**PSYCHOLOGY: (B.A.
or B.S. Degree)
MINOR**

Sem. Hrs.

I. GENERAL STUDIES 63 or 48

II. PSYCHOLOGY CORE COURSE 3

PSYC 201 General Psychology 3

III. PSYCHOLOGY ELECTIVES 15

IV. MAJOR FIELD AND ELECTIVES

TO TOTAL 128 Hrs.

**SOCIOLOGY (B.S. or
B.A. Degree) MINOR**

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 63 or 48

II. REQUIRED COURSES 24

SOC 150 Basic Concepts of Sociology 3

SOC 235 Cultural Anthropology 3

SOC 440 Sociological Theory 3

Electives in Sociology 15

III. MAJOR FIELD AND ELECTIVES

TO TOTAL 128 Sem. Hrs.



Programs Offered by the SCHOOL OF SCIENCES

Bachelor of Science Degree in Biology

Bachelor of Science Degree in Chemistry

**Bachelor of Science Degree in Chemistry/Environmental
Science Track**

Bachelor of Arts in Education Degree in Biology 9-Adult

Bachelor of Arts in Education Degree in Chemistry 9-Adult

Bachelor of Arts in Education Degree in General Science 5-Adult

Associate in Science Degree in Dental Hygiene

Bachelor of Science Degree in Dental Hygiene

Bachelor of Science Degree in Mathematics

Bachelor of Arts in Education Degree in Mathematics 5-Adult

Bachelor of Science in Clinical Laboratory Science

Bachelor of Science in Nursing

Pre-Professional Preparation For:

Dental School

Engineering School

Medical School

Occupational Therapy Program

Optometry School

Pharmacy School

Physical Therapy Program

Speech Pathology Program

Veterinary Science School

SCHOOL OF SCIENCES

Dr. Robert Kreisberg, Dean

Faculty Members: Dr. Aguilar, Mrs. Briggs, Mrs. Carney, Dr. Clampitt, Dr. Cornell, Dr. Domyan, Dr. Edinger, Ms. Faykus, Mr. Fliess, Mrs. Huffman, Dr. Kennison, Dr. M. Kreisberg, Dr. R. Kreisberg, Dr. Leech, Dr. Lukich, Mrs. Merz, Ms. Misselwitz, Mrs. Sansone, Dr. Seeber, Mrs. Six, Mrs. Sproull, Ms. Sweeney, Dr. Tomasic, Mr. Vopal, Dr. Wagener, Dr. Youssef. Laboratory and Clinical Assistants: Ms. Blaskovich, Mrs. Bock, Mr. DeWitt, Mrs. Francis, Mrs. Kettler, Mr. Loughman, Mr. Miller, Mr. White. Staff: Mr. Strong.

The School of Sciences is committed to providing a quality undergraduate educational experience to those students seeking degrees offered by the departments within the School. 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 Dental Hygiene, Mathematics, Physics and Physical Science, Clinical Laboratory Sciences, Nursing, and Speech Pathology-Audiology.

Bachelor of science degrees that can be earned at the end of four-year programs terminate with specialization in Biology, Chemistry, Dental Hygiene, Mathematics, Clinical Laboratory Sciences, Nursing, and Pre-Professional Speech Pathology and Audiology. In addition to general classes, open to all students, the School of Sciences offers teacher education programs in which first or second teaching fields may be designated in Biology, Chemistry, General Science, and Mathematics. There is only one curriculum requiring less than four years to earn a degree—the two-year curriculum in dental hygiene—and the student will graduate with an associate degree in dental hygiene.

To obtain information related to a specific program(s), students must schedule an appointment with the chairperson of the department or program director where the program is offered.

DEPARTMENT OF NATURAL SCIENCES AND MATHEMATICS

Dr. Jarrett Aguilar, Chairperson, Mrs. Judy Carney, Dr. Norman Clampitt, Dr. Charles Cornell, Dr. Bruce Edinger, Mr. Robert Fliess, Dr. Melinda Kreisberg, Dr. Robert Kreisberg, Dr. William Leech, Dr. Roger Seeber, Mr. James Vopal, Dr. Mohamed Youssef. Lab Assistants: Mrs. Sally Bock, Mr. David DeWitt, Mrs. Amanda Francis, Mr. Zach Loughman, Mrs. Karen Kettler, Mr. Travis Miller, Mr. Jacob White.

The Department of Natural Sciences and Mathematics provides three bachelors degree programs: a B.A. or a B.S. in Biology, Chemistry, and Mathematics. These degree programs serve students interested in a professional career in biology, chemistry, general science, forensic science, or mathematics, as well as those interested in teaching biology, chemistry and/or mathematics at the secondary school level. The department also offers a minor in Biology, Chemistry, and Mathematics.

The department provides courses for many pre-professional programs such as pre-engineering as well as for professional programs such as Clinical Laboratory Science, Dental Hygiene, and Nursing. Further information can be obtained from the department chairperson.

BIOLOGY PROGRAM

The Biology Program, within the Department of Natural Sciences, offers a B.S. Degree in Biology with several different tracks. A student may choose a B.S. degree program in Biology from the following tracks:

- General Biology Track
- Pre-Professional Track (such as Pre-Medical, Pre-Dental, Pre-Veterinary, Pre-Optometry, Pre-Pharmacy)
- Biotechnology Track
- Forensic Science Track
- Microbiology Track

Students may also choose the B.A. degree in Biology to teach at the secondary level.

All biology majors are required to take core courses in Biology (12 semester hours), Chemistry (8 semester hours), Physics (8 semester hours) and Mathematics (6 semester hours).

	Sem Hrs.	
	Major	Minor
BIOLOGY CORE	12	12
* BIO 124 Biological Principles	3	3
* BIO 125 Biological Principles Lab	1	1
** BIO 200 Biology of Plants	4	4
BIO 202 Biology of Animals	4	4

Non-Restricted Electives.....12

To be selected from 300 or 400 level biology courses.

* These courses also satisfy General Studies requirements in Natural Sciences and Mathematics (see page 59).

** 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 Precal. Algebra 3
- * MATH 160 Intro. to Statistics 3

All biology majors completing a B.S. degree in biology need:

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 48

II. MINOR OR SECOND MAJOR

(Cannot be another Biology Track.)

III. ELECTIVES TO TOTAL 128 Sem. Hrs.

BACHELOR OF SCIENCE (B.S.) DEGREE IN BIOLOGY GENERAL BIOLOGY TRACK WITH A MINOR

The students completing the B.S. degree in Biology in the General Biology Track will be required to attain a minimum GPA 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 MATHEMATICS

Sem. Hrs.

Major

A. BIOLOGY36

BIOLOGY CORE..... 12

GENERAL BIOLOGY TRACK	24
BIO 302 Human Anatomy and Physiology I	4
BIO 325 Gen. Microbiology	4
BIO 401 Genetics	4
BIO 404 General Ecology	4
BIO 460 Molecular Biology	4
BIO 480 Biology Capstone Course	1
Non-Restricted Electives	3
To be selected from 300 or 400 level biology courses.	

B. CHEMISTRY:.....	16
CHEMISTRY CORE (see page 128).....	8
CHEM 340-341 Org. Chem. I	4
CHEM 342-343 Org. Chem. II	4

C. PHYSICS:	
PHYSICS CORE (see page 128).....	8

D. MATHEMATICS:	
MATHEMATICS CORE (see page 128).....	6

E. MINOR OR SECOND MAJOR (CANNOT BE ANOTHER BIOLOGY TRACK)	
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**BACHELOR OF SCIENCE (B.S.)
DEGREE IN BIOLOGY
GENERAL BIOLOGY TRACK
WITHOUT A MINOR**

REQUIRED COURSES IN SCIENCE AND MATH:

	Sem. Hrs.
	Major
A. BIOLOGY	41
BIOLOGY CORE.....	12
GENERAL BIOLOGY TRACK	29
BIO 302 Human Anatomy and Physiology I	4
BIO 325 Gen. Microbiology	4
BIO 401 Genetics	4
BIO 404 General Ecology	4
BIO 460 Molecular Biology	4

BIO 480 Biology Capstone Course	1
Non-Restricted Electives	8
To be selected from 300 or 400 level biology courses.	

B. CHEMISTRY:.....	16
CHEMISTRY CORE (see page 128).....	8
CHEM 340-341 Org. Chem. I	4
CHEM 342-343 Org. Chem. II	4
CHEM 352 Biochemistry	3
CHEM 353 Biochemistry Lab	1

C. PHYSICS:	
PHYSICS CORE (see page 128).....	8

D. MATHEMATICS:	
MATHEMATICS CORE (see page 128)....	6

**BACHELOR OF SCIENCE (B.S.)
DEGREE IN BIOLOGY
PRE-PROFESSIONAL TRACK**

The students completing the B.S. degree in Biology in the Pre-Professional Track will be required to attain a minimum GPA 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 track includes pre-medical, pre-dental, pre-veterinary, pre-physical therapy, pre-pharmacy, and pre-optometry. Successful completion of the pre-professional track is helpful for admission into professional programs, such as medicine, dentistry, etc., but it does not guarantee a place in any professional school.

**BACHELOR OF SCIENCE (B.S.)
DEGREE IN BIOLOGY
PRE-PROFESSIONAL TRACK
WITH A MINOR**

**REQUIRED COURSES IN SCIENCE
AND MATH:**

	Sem. Hrs. Major
A. BIOLOGY	36
BIOLOGY CORE.....	12
PRE-PROFESSIONAL TRACK	24
BIO 302 Human Anatomy and Physiology I	4
BIO 325 Gen. Microbiology	4
BIO 401 Genetics	4
BIO 404 General Ecology	4
OR	
BIO 432 Histology	4
BIO 460 Molecular Biology	4
BIO 479 Research/Internship	1-3
BIO 480 Biology Capstone Course	1
Non-Restricted Electives	0-2
To be selected from 300 or 400 level biology courses.	
B. CHEMISTRY:	19
CHEMISTRY CORE	
(see page 128)	8
CHEM 340-341 Org. Chem. I	4
CHEM 342-343 Org. Chem. II	4
CHEM 352 Biochemistry	3
C. PHYSICS:	
PHYSICS CORE	
(see page 128)	8
D. MATHEMATICS:	
MATHEMATICS CORE	
(see page 128)	6
E. MINOR OR SECOND MAJOR	
(CANNOT BE ANOTHER BIOLOGY	
TRACK)	

**BACHELOR OF SCIENCE (B.S.)
DEGREE IN BIOLOGY
GENERAL BIOLOGY TRACK
WITHOUT A MINOR**

**REQUIRED COURSES IN SCIENCE
AND MATH:**

	Sem. Hrs. Major
A. BIOLOGY	41
BIOLOGY CORE.....	12
PRE-PROFESSIONAL TRACK	29
BIO 302 Human Anatomy and Physiology I	4
BIO 325 Gen. Microbiology	4
BIO 401 Genetics	4
BIO 404 General Ecology	4
OR	
BIO 432 Histology	4
BIO 460 Molecular Biology	4
BIO 479 Research/Internship	1-3
BIO 480 Biology Capstone Course	1
Non-Restricted Electives	5-7
To be selected from 300 or 400 level biology courses.	
B. CHEMISTRY.....	19
CHEMISTRY CORE:	
(see page 128)	
CHEM 340-341 Org. Chem.I	4
CHEM 342-342 Org. Chem. II	4
CHEM 352 Biochemistry	3
CHEM 353 Biochemistry Lab	1
C. PHYSICS:	
PHYSICS CORE (see pg 128)	8
D. MATHEMATICS:	
MATHEMATICS CORE	
(see page 128)	6

**BACHELOR OF SCIENCE (B.S.)
DEGREE IN BIOLOGY
BIOTECHNOLOGY TRACK
WITH A MINOR**

Students who are interested in the B.S. Biotechnology Track must complete an application, which will be kept on file in the Track Coordinator's office file. Admission to the Biotechnology Track requires that students complete the biology core with a minimum grade of "C" and a minimum GPA of 2.5 overall. The minimum grade of "C" also includes all math and science courses in the program.

In order to remain in good academic standing, a student must achieve and maintain a 2.5 GPA overall in all math and science courses in the program.

Failure to achieve a minimum grade of "C" will result in the student being dropped from the Biotechnology Track. The student may reapply to the Biotechnology Track.

REQUIRED COURSES IN SCIENCE AND MATH:

	Sem. Hrs.
A. BIOLOGY:	36
BIOLOGY CORE	
(see page 128)	12
BIOTECHNOLOGY TRACK:	24
BIO 220 Scientific	
Methodologies	1
BIO 306 Biotechnology I	3
BIO 307 Plant Tissue Culture	2
BIO 308 Animal Tissue Culture	2
BIO 321 Biotechnology II	3
BIO 467 Biotech. Internship	3
BIO 480 Biology Capstone Course	1

Restricted Electives to be selected from: .. 9

BIO 302 Human Anatomy and Physiology I	4
BIO 317 Principles of Immunology	3
BIO 320 Current Topics in Biotechnology	1
BIO 325 General Microbiology	4
BIO 401 Genetics	4

BIO 404 General Ecology	4
BIO 432 Histology	4
BIO 460 Molecular Biology	4
BIO 468 Special Issues for Biotechnology	3

B. CHEMISTRY: 19

CHEMISTRY CORE

(see page 128)	8
CHEM 340-341 Org. Chem. I	4
CHEM 342-343 Org. Chem. II	4
CHEM 352 Biochemistry	3

C. PHYSICS:

PHYSICS CORE

(see page 128)	8
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D. MATHEMATICS:

MATHEMATICS CORE

(see page 128)	6
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E. MINOR OR SECOND MAJOR

(CANNOT BE ANOTHER BIOLOGY TRACK)

**BACHELOR OF SCIENCE (B.S.)
DEGREE IN BIOLOGY
BIOTECHNOLOGY TRACK
WITHOUT A MINOR***

REQUIRED COURSES IN SCIENCE AND MATH:

	Sem. Hrs.
A. BIOLOGY:	41
BIOLOGY CORE	
(see page 128)	12
BIOTECHNOLOGY TRACK:	29
BIO 220 Scientific	
Methodologies	1
BIO 306 Biotechnology I	3
BIO 307 Plant Tissue Culture	2
BIO 308 Animal Tissue Culture	2
BIO 321 Biotechnology II	3
BIO 467 Biotech. Internship	3
BIO 480 Biology Capstone Course	1

Restricted Electives to be selected from: .. 9

BIO 302 Human Anatomy and Physiology I	4
BIO 317 Principles of Immunology	3

BIO 320 Current Topics in Biotechnology	1
BIO 325 General Microbiology	4
BIO 401 Genetics	4
BIO 404 General Ecology	4
BIO 432 Histology	4
BIO 460 Molecular Biology	4
BIO 468 Special Issues for Biotechnology	3

Non-Restrictive Electives 5

To be selected from 300 or 400 level biology courses

B. CHEMISTRY:.....19

CHEMISTRY CORE

(see page 128) 8

CHEM 340-341 Org. Chem. I 4

CHEM 342-343 Org. Chem. II 4

CHEM 352 Biochemistry 3

CHEM 353 Biochemistry Lab 1

C. PHYSICS:

PHYSICS CORE

(see page 128) 8

D. MATHEMATICS:

MATHEMATICS CORE

(see page 128) 6

**BACHELOR OF SCIENCE (B.S.)
DEGREE IN BIOLOGY
MICROBIOLOGY TRACK WITH
A MINOR**

Students who are interested in the B.S. Microbiology Track must complete an application, which will be kept on file in the Track Coordinator's office file. Admission to the Microbiology Track requires students to complete the biology core with a minimum grade of "C" and a minimum GPA of 2.5 overall in all math and science courses in the program.

In order to remain in good academic standing, a student must achieve and maintain a 2.5 cumulative GPA for all biology courses in the program attempted.

**REQUIRED COURSES IN SCIENCE
AND MATH:**

Sem. Hrs.

A. BIOLOGY: 36

BIOLOGY CORE 12

MICROBIOLOGY TRACK: 24

BIO 325 Gen. Microbiology 4

BIO 460 Molecular Biology 4

BIO 480 Biology Capstone Course 1

Restricted Electives to be selected from: . 15

BIO 220 Scien.Method. 1

BIO 306 Biotechnology I 3

BIO 317 Prin.of Immunology 3

BIO 321 Biotechnology II 3

BIO 329 Applied Microbiology 4

BIO 356, 357 Parasitology 4

BIO 421 Epidemiology of Infectious Diseases . 3

BIO 432 Histology 4

BIO 462 Microbial Pathogenesis 3

BIO 465 Virology 3

BIO 479 Research/Intern. 1-3

B. CHEMISTRY: 19

CHEMISTRY CORE

(see page 128) 8

CHEM 340-341 Org. Chem. I 4

CHEM 342-343 Org. Chem. II 4

CHEM 352 Biochemistry 3

C. PHYSICS:

PHYSICS CORE

(see page 128) 8

D. MATHEMATICS:

MATHEMATICS CORE

(see page 128) 6

E. MINOR OR SECOND MAJOR

**(CANNOT BE ANOTHER BIOLOGY
TRACK)**

**BACHELOR OF SCIENCE (B.S.)
DEGREE IN BIOLOGY
MICROBIOLOGY TRACK
WITHOUT A MINOR**

**REQUIRED COURSES IN SCIENCE
AND MATH:**

Sem. Hrs.

A. BIOLOGY: 41

BIOLOGY CORE 12

MICROBIOLOGY TRACK:	29
BIO 325 Gen. Microbiology	4
BIO 460 Molecular Biology	4
BIO 480 Biology Capstone Course	1

Restricted Electives to be selected from: . 15

BIO 220 Scien.Method.	1
BIO 306 Biotechnology I	3
BIO 317 Prin.of Immunology	3
BIO 321 Biotechnology II	3
BIO 329 Applied Microbiology	4
BIO 356, 357 Parasitology	4
BIO 421 Epidemiology of Infectious Diseases	3
BIO 432 Histology	4
BIO 462 Microbial Pathogenesis	3
BIO 465 Virology	3
BIO 479 Research/Intern.	1-3

Non-Restricted Electives 5

To be selected from 300 or 400 level biology courses

B. CHEMISTRY: 19

CHEMISTRY CORE

(see page 128) 8

CHEM 340-341 Org. Chem. I 4

CHEM 342-343 Org. Chem. II 4

CHEM 352 Biochemistry 3

CHEM 353 Biochemistry Lab 1

C. PHYSICS:

PHYSICS CORE (see page 128) 8

D. MATHEMATICS:

MATHEMATICS CORE

(see page 128) 6

**BACHELOR OF SCIENCE (B.S.)
DEGREE IN BIOLOGY
PRE-PROFESSIONAL
* FORENSIC SCIENCE TRACK
WITHOUT A MINOR**

Sem. Hrs.

I. GENERAL STUDIES (see page 61) 48

**REQUIRED COURSES IN SCIENCE, MATH,
AND CRIMINAL JUSTICE:**

Sem. Hrs.

BIOLOGY: 29

BIO 124 Biological Principles 3

BIO 125 Biological Principles Lab	1
BIO 200 Biology of Plants	4
BIO 202 Biology of Animals	4
BIO 212 Anatomy and Physiology	4
BIO 214 Anatomy and Physiology II	2
BIO 220 Scientific Methodologies	1
BIO 306 Biotechnology I	3
BIO 321 Biotechnology II	3
BIO 322 Crime Scene Investigation	3
BIO 481 Forensics Capstone	1

Non-restricted Electives 3

(To be selected from 300 or 400 level biology courses)

CHEMISTRY 16

CHEM 110 General Chemistry I 3

CHEM 111 General Chemistry Lab 1

CHEM 112 General Chemistry II 3

CHEM 113 General Chemistry II 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

CRIMINAL JUSTICE/CLINICAL LABORATORY

SCIENCE 18

CJ 152 Intro to Criminal Justice 3

CJ 236 Criminology I 3

CJ 303 Criminal Law 3

CJ 482 Criminal Investigation 3

CLS 340 Clinical Biochemistry I 3

CLS 342 Clinical Biochemistry II 3

MATH 6

MATH 145 Precalculus Algebra 3

MATH 160 Introduction to Statistics 4

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

* A minimum ACT score of 21 in Math and Science is required for entrance into the Forensic Science program.

BACHELOR OF ARTS (B.A.) DEGREE IN BIOLOGY (9-ADULT)

Students interested in the Bachelor of Arts in Biology should consult with the Program coordinator.

The students completing the B.A. 9-Adult teaching degree in Biology will be required to attain a minimum GPA of 2.50 in the program and overall 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, excluding the listed Education Curriculum and Methods course.) These courses are included in the catalog under the specific degree program.

Sem. Hrs.

I. GENERAL STUDIES (see page 61) 44

II. REQUIRED COURSES IN SCIENCE AND MATHEMATICS

A. BIOLOGY 34-36

BIOLOGY CORE

(see page 128) 12

BIO 325 Gen. Microbio. 4

BIO 302 Human Anatomy

and Physiology I 4

BIO 401 Genetics 4

BIO 404 General Ecology 4

BIO 460 Molecular Biology 4

BIO 480 Biology 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

(see page 128) 8

C. PHYSICS: 16

PHYSICS CORE

(see page 128) 8

PHYS 150 Science Technology

and Society 2

PHYS 320 Demonstrations,

Experiments and Science

Teaching Techniques 2

PHYS Elective to be selected from:

* PHYS 360 Physical Geology 4

OR

* PHYS 370 Elementary

Astronomy 4

D. MATHEMATICS:

MATHEMATICS CORE

(see page 128) 6

III. SECOND TEACHING SPECIALIZATION

A second field is highly recommended.

VI. PROFESSIONAL EDUCATION COMPONENT

Includes EDUC 362, Curriculum and Methods in Science, EDUC 482 Student Teaching in Adolescent Education. (See page 88).

Prospective candidates for the teaching fields should read the policies concerning entrance to the Teacher Education Program. These policies are described on page 81).

NOTE: West Virginia certification requirements include meeting the passing score on the required PRAXIS II tests.

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students

must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

V. ELECTIVES TO TOTAL 128 Sem. Hrs.

CHEMISTRY PROGRAM

The Chemistry Program, within the Department of Natural Sciences and Mathematics, offers a Bachelor of Science Degree in Chemistry. The curriculum for this degree conforms to the curriculum guidelines prepared by the Committee on Professional Training of the American Chemical Society and is designed to prepare a strong, liberal arts foundation for future work in industry, graduate school, or professional school. Students completing a chemistry program will be required to attain at least a "C" in each course in the program. Students may also choose the Bachelor of Arts Degree in chemistry to teach at the secondary level.

BACHELOR OF SCIENCE (B.S.) DEGREE IN CHEMISTRY (With Minor)

I. GENERAL STUDIES (see page 61) 48 Sem. Hrs.

II. REQUIRED COURSES IN SCIENCE AND MATHEMATICS

A. CHEMISTRY 44 Major

* 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 320 Analytical Chemistry	3
CHEM 321 Analytical Chem. Lab	1
CHEM 340 Organic Chemistry I	3

CHEM 341 Organic Chem. I Lab	1
CHEM 342 Organic Chemistry II	3
CHEM 343 Organic Chem. II Lab	1
CHEM 400 Inorganic Chemistry	3
CHEM 420 Instrumental Analysis	2

and

CHEM 421 Instrum. Analysis Lab	1
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OR

CHEM 422 Instru. Analysis II	2
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and

CHEM 423 Instru. Analy. II Lab	1
CHEM 464 Physical Chemistry I	4
CHEM 465 Phys. Chem. I Lab	1
CHEM 466 Physical Chemistry II	4
CHEM 467 Phys. Chem. II Lab	1
CHEM 485 Chemistry Capstone	1
CHElectives	7

To be selected from: CHEM 322, 352/353, 440, 442, 478, 479.

* The second three hours of CHEM 420, 421, 422, 423 may be used as chemistry electives.

CHEMISTRY MINOR

Minor

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 320 Analytical Chemistry	3
CHEM 321 Analytical Chem. Lab	1
CHEM 340 Organic Chemistry I	3
CHEM 341 Organic Chem. I Lab	1
CHEM 342 Organic Chemistry II	3
CHEM 343 Organic Chem. II Lab	1
CHEM 360 Principles of Physical Chemistry	3
CHEM 361 Phys. Chemistry Lab	1

Sem. Hrs.

B. PHYSICS 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

C. MATHEMATICS 9

* MATH 210 Calculus & Analytic Geometry I	4
MATH 211 Calculus & Analytic Geometry II	5

* These courses also satisfy General Studies requirements in Natural Sciences and Mathematics (see page 60).

III. MINOR FIELD OR SECOND MAJOR
Minor may be in any field other than
Chemistry.

IV. ELECTIVES TO TOTAL 128 Sem. Hrs.

BACHELOR OF SCIENCE (B.S.)
DEGREE
IN CHEMISTRY
(Without Minor)

Sem. Hrs.

I. GENERAL STUDIES (see page 61) 48

II. REQUIRED COURSES IN SCIENCE
AND MATHEMATICS

A. CHEMISTRY 54

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 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 420 Instrumental Analysis I	2
CHEM 421 Instrumental Analysis I Lab	1
CHEM 422 Instrumental Analysis II	2
CHEM 423 Instrumental Analysis II Lab ...	1
CHEM 464 Physical Chemistry I	4
CHEM 465 Physical Chemistry I Lab	1
CHEM 466 Physical Chemistry II	4
CHEM 467 Physical Chemistry II Lab	1
CHEM 479 Special Problems	1-3
CHEM 352/353 Prin. of Biochem. and Lab 4	

OR

CHEM 480/481 Biochemistry I and Lab 4

AND

CHEM 482/483 Biochemistry II and Lab ... 4

CHEM 485 Chemistry Capstone 1

Restricted Electives to total 54 hours 3-9

From the following list:

- CHEM 322 Interpretation of Spectra
- CHEM 440 Advanced Organic Chemistry
- CHEM 442 Organic Qualitative Analysis
- CHEM 478 Special Topics
- MATH 341 Linear Algebra

- MATH 375 Applied Differential Equations
- PHYS 300 Modern Physics
- PHYS 308 Applied E & M

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 4
- MATH 211 Calculus & Analytic Geo. II 5
- MATH 212 Calculus & Analytic Geo.III 4

* These courses also satisfy General Studies requirements in Natural Sciences and Mathematics (see page 60).

III. ELECTIVES TO TOTAL 128 Sem. Hrs.

BACHELOR OF SCIENCE (B.S.)
DEGREE IN
CHEMISTRY/ENVIRONMENTAL
SCIENCE

Sem. Hrs.

I. GENERAL STUDIES (see page 61) 48

II. REQUIRED COURSES IN SCIENCE
AND MATHEMATICS

A. CHEMISTRY 20

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 335 Environmental Chemistry	3
CHEM 336 Environmental 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

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	6
MATH 145 Precalculus Algebra	3
MATH 160 Introduction to Statistics	3

D. BIOLOGY.....	12
BIO 124 Biological Principles	3
BIO 125 Biological Principles Lab	1
BIO 200 Biology of Plants	4
BIO 202 Biology of Animals	4

REQUIRED COURSES (24 hours between required courses and restricted electives)

From the following list:

GEO 302 Introduction to GIS	3
GEO 405 Conservation of Natural Resources	3
BIO 404 Ecology	4
BIO 435 Environmental Policies & Issues	3
BIO 480 Biology Capstone	1

Restricted Electives

From the following list:

BIO 225 Ecological Habitats and Biological Diversity	1
BIO 325 Microbiology	4
BIO 329 Applied Microbiology	4
BIO 331 Plant Taxonomy	4
BIO 335 Entomology	4
BIO 408 Herpetology	4
BIO 440 Conservation Biology	4
CHEM 337 Green Chemistry	3
CHEM 410 Environmental Toxicology	3
CHEM 478 Special Topics in Chemistry 1-3	
CHEM 479 Special Problems - Independent Research Studies	1-3
GEO 402 Advanced GIS	3

III. ELECTIVES TO TOTAL 128 Sem. Hrs.

**BACHELOR OF ARTS
(B.A.) DEGREE IN
CHEMISTRY TEACHING (9-ADULT)**

Sem. Hrs.

**I. GENERAL STUDIES
(see page 61) 45-47**

**II. REQUIRED COURSES IN
SCIENCE AND MATHEMATICS**

A. CHEMISTRY 32-35

CHEM 110 General Chemistry I	3
CHEM 111 General Chemistry I Lab	3
CHEM 112 General Chemistry II	1
CHEM 113 General Chemistry II Lab	1
CHEM 320 Analytical Chemistry	3
CHEM 321 Analytical Chemistry Lab	1
CHEM 322 Interpretation of Spectra	1

OR

CHEM 420 Instrumental Analysis I	2
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AND

CHEM 421 Instrumental Analysis I 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 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.....16

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 150 Science, Technology and Society	2
PHYS 320 Demonstrations, Experiment s and Science Teaching Techniques	2

PHYS Elective.....	4
To be selected from:	
PHYS 360 Phys.Geology	4
OR	
PHYS 370 Elem. Astronomy	4

D. MATHEMATICS	7
MATH 145 Precalculus Algebra.....	3
MATH 210 Calculus & Analytic Geometry I	4

*These courses also satisfy General Studies requirements in Natural Sciences and Mathematics (see page 60).

III. SECOND TEACHING SPECIALIZATION

A second field is highly recommended.

IV. PROFESSIONAL EDUCATION COMPONENT

Includes EDUC 362, Curriculum and Methods in Science and EDUC 482, Student Teaching in Adolescent Education.

Prospective candidates for the teaching fields should read the policies concerning entrance to the Teacher Education Program. These policies are described on page 84.

NOTE: West Virginia certification requirements include meeting the passing score on the PRAXIS II tests.

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio,

meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

V. ELECTIVES TO TOTAL 128 Sem. Hrs.

MATHEMATICS PROGRAM

The Mathematics Program offers a major in Mathematics for the bachelor of science degree as well as teaching specializations in Mathematics 5-9 and Mathematics 5-Adult.

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.

Students who are considering Mathematics as a major or minor are strongly encouraged to enroll in the appropriate mathematics course(s) for the first semester.

When a student makes the decision to complete one of the teaching specializations, Mathematics 5-9 or 5-Adult, he/she is expected to file that decision on the Data Change Request Form in the Registrar's Office. The student is then expected to consult an academic advisor in Education as well as Mathematics prior to registration each semester.

Students completing the Mathematics 5-Adult and Mathematics 5-9 teacher education programs will be required to attain a minimum GPA 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 SCIENCE DEGREE IN MATHEMATICS

I. GENERAL STUDIES

(see page 61)..... 48

II. MATHEMATICS 41

MATH 175 Computer Program. for the
Sciences

OR

MATH 177 Modern Program. Methods3 3

MATH 210 Calculus & Analytic
Geometry I 4 4

MATH 211 Calcul. & Analy. Geom. II 5 5

MATH 212 Calcul. & Analy. Geom. III4 4

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

Mathematics electives, selected with the ap-
proval of an Academic Advisor from the math-
ematics faculty, from the following list:

MATH 327, 349, 375, 377, 410, and 475 9

Minors will select six (6) hours of Mathematics
electives with Advisor approval 6

III. MINOR FIELD OR SECOND MAJOR

MATHEMATICS TEACHING SPECIALIZATION (Grades 5-Adult)

Sem. Hrs.

I. GENERAL STUDIES

(see page 61) 45-47

II. MATHEMATICS 43

MATH 171 Intro. to Computer Programming1

MATH 175 Computer Programming for the
Sciences

OR

MATH 177 Modern Programming Methods 3

MATH 210 Calculus & Analytic Geometry I 4

MATH 211 Calculus & Analytic Geometry II 5

MATH 212 Calculus & Analytic Geometry III4

MATH 264 Manipulatives in Mathematics... 1

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. PROFESSIONAL EDUCATION

COMPONENT WHICH INCLUDES

EDUC 364 (See page 90)..... 43-45

All students wishing to complete a program lead-
ing to certification/licensure for teaching must be
formally admitted to the Professional Education
Program. The admission interview, including the
Level I portfolio review, is conducted as soon as
the student receives passing scores for the read-
ing, writing, and mathematics PRAXIS I - PPSTs
(Pre-Professional Skills Tests), completes at
least 45 semester hours with an overall GPA of
2.5 or better, and earns a "C" or better in EDUC
100, EDUC 201, EDUC 207, ENG 101, ENG 102,
and COM 101. Admission to Professional Edu-
cation is required for some upper level courses
including curriculum and methods courses,
EDUC 392, and the Professional Semester. Prior
to admission to the Professional Semester and
registration for requisite courses, all students
must successfully present a Level II portfolio,
meet with the Director of Student Teaching, and
receive endorsement from the appropriate aca-
demic department. Requirements for student
teaching must be met prior to the beginning of
the Professional Semester. During the Profes-
sional Semester, all students must successfully
complete a Level III portfolio review.

V. ELECTIVES TO TOTAL 128 Sem. Hrs.

Prospective candidates for the teach-
ing field should read the policies con-
cerning entrance to the Teacher Edu-
cation Program on page 80-83.

GENERAL MATHEMATICS SPECIALIZATION (Grades 5-9)

Sem. Hrs.

I. GENERAL STUDIES

(see page 60) 45-47

II. MATHEMATICS 27

* MATH 106 Math. for Elem. Teachers I	4
MATH 107 Math. for Elem. Teachers II	4
MATH 141 Trigonometry	2
MATH 145 Precalculus Algebra	3
MATH 160 Introduction to Statistics	3
MATH 171 Intro to Computer Programming ..	1
MATH 309 Calculus & Geometry for Gen. Math 5-9	3
MATH 327 History of Mathematics	3
MATH 373 Finite Mathematics	3
MATH 480 Mathematics Capstone	1

III. ADDITIONAL SPECIALIZATION

(An additional specialization is required)

IV. PROFESSIONAL EDUCATION COMPONENT WHICH INCLUDES EDUC 364 AND EDUC 392 (See page 88) 42

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Profes-

sional Semester, all students must successfully complete a Level III portfolio review.

V. ELECTIVES TO TOTAL 128 Sem. Hrs.

Prospective candidates for the teaching field should read the policies concerning entrance to the Teacher Education Program on pages 81-83.

PHYSICS AND PHYSICAL SCIENCES PROGRAM

The Physics and Physical Sciences Program offers teaching specializations in General Science 5-9 and General Science 5-Adult. Due to the sequential nature of the curricula, students selecting either of these teaching specializations should contact an academic adviser within the program for assistance in planning their schedules. Students completing either of these teaching specializations will be required to attain a minimum GPA 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).

GENERAL SCIENCE TEACHING SPECIALIZATION (Grades 5-9)

Sem. Hrs.

I. GENERAL STUDIES (see page 60) 45-47

II. SCIENCE 35-37

A. BIOLOGY

BIO 105 Life Science Non-Major	3
AND	
BIO 106 Life Science Non-Major Lab	1
OR	
BIO 124 Biological Principles	3
AND	
BIO 125 Biological Principles Lab	1

School of Sciences

- * BIO 340 General Biol. for Elementary K-6 and 5-9 Teachers 3

B. GEOGRAPHY

- * GEO 444 Weather and Climate 3

C. MATHEMATICS

EITHER

- * MATH 106 Math for Elem. Teachers I 4
- MATH 107 Math for Elem. Teachers II 4

OR

- MATH 145 Precalculus Algebra 3
- MATH 160 Introduction to Statistics 3

D. PHYSICS

- PHYS 150 Science, Technology, and Society 2
- *PHYS 190 The Physical World 3
- *PHYS 191 The Physical World Lab 1
- PHYS 320 Demonstrations, Experiments, and Science Teaching Techniques 2
- PHYS 340 Physical Science for Elem. Teachers 3
- PHYS 360 Physical Geology 4
- PHYS 370 Elementary Astronomy 4

III. SECOND SPECIALIZATION

An additional specialization is required.

IV. PROFESSIONAL EDUCATION COMPONENT WHICH INCLUDES EDUC 362 AND EDUC 392 (See page 88) 42

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate aca-

demetic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

V. ELECTIVES TO TOTAL .. 128 Sem. Hrs.

Prospective candidates for the teaching field should read the policies concerning entrance to the Teacher Education Program on pages 82.

* These courses also satisfy General Studies requirements.

GENERAL SCIENCE TEACHING SPECIALIZATION (GRADES 5-ADULT)

Sem. Hrs.

I. GENERAL STUDIES

(see pages 60) 45-47

II. SCIENCE 55-57

A. BIOLOGY

- BIO 124 Biological Principles 3
- BIO 125 Biological Principles Lab 1
- BIO 200 Biology of Plants 4
- BIO 202 Biology of Animals 4

B. CHEMISTRY

- 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

- GEO 444 Weather and Climate 3

D. MATHEMATICS

- MATH 145 Precalculus Algebra 3
 - MATH 171 Intro. Computer Programming ... 1
- EITHER**
- MATH 160 Introduction to Statistics 3
- OR**
- MATH 210 Calculus & Analytic Geo.I 4

E. PHYSICS

- PHYS 101 Elementary Physics I 3
- PHYS 110 Elementary Physics Lab I 1
- PHYS 102 Elementary Physics II 3

PHYS 111 Elementary Physics Lab II	1
PHYS 150 Science, Tech. and Society	2
PHYS 213 Applications of the Microcomputer in the Classroom and Laboratory	2
PHYS 320 Demonstrations, Experiments, and Science Teaching Techniques	2
PHYS 360 Physical Geology	4
PHYS 370 Elementary Astronomy	4

F. ELECTIVES

Science Elective chosen from:

BIO 216, 302, 404, 460

CHEM 340/341, 360/361

PHYS 200, 300, 350 3-4

III. PROFESSIONAL EDUCATION COMPONENT WHICH INCLUDES EDUC 362 and EDUC 392 43-45

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program. The admission interview, including the Level I portfolio review, is conducted as soon as the student receives passing scores for the reading, writing, and mathematics PRAXIS I - PPSTs (Pre-Professional Skills Tests), completes at least 45 semester hours with an overall GPA of 2.5 or better, and earns a "C" or better in EDUC 100, EDUC 201, EDUC 207, ENG 101, ENG 102, and COM 101. Admission to Professional Education is required for some upper level courses including curriculum and methods courses, EDUC 392, and the Professional Semester. Prior to admission to the Professional Semester and registration for requisite courses, all students must successfully present a Level II portfolio, meet with the Director of Student Teaching, and receive endorsement from the appropriate academic department. Requirements for student teaching must be met prior to the beginning of the Professional Semester. During the Professional Semester, all students must successfully complete a Level III portfolio review.

IV. ELECTIVES TO TOTAL 128 Sem. Hrs.

Prospective candidates for the teaching field should read the policies concerning entrance to the Teacher Education Program on page 84.

PRE-PROFESSIONAL PROGRAMS

PREPARATION FOR HEALTH SCIENCE, MEDICAL, DENTAL AND RELATED PROFESSIONS

The School of Sciences offers programs that prepare the student for continuation of his/her studies in the professional areas of chiropractics, dentistry, engineering, medicine, occupational therapy, pharmacy, physical therapy, speech pathology and audiology, veterinary science, and related professional areas of science. These programs are well rounded in the humanities, social sciences, and arts, with concentrated emphasis on all areas of the natural sciences. Although students may be admitted to professional schools with only two or three years of preparatory study, such is extremely rare and the student should be prepared to complete the baccalaureate degree offered by the School of Sciences before applying for admission to the professional school.

It should be pointed out that competition for selection into any professional college is extremely keen, and that in order for students to be successful, they must maintain a high academic record in all areas of study. In addition, they must score a relatively high mark on such placement examinations as the MCAT, DAT, PCAT, GRE, etc. Guidance in the academic preparation for these programs is through the Dean of the School of Sciences. Students interested in such programs should immediately contact this individual for assignment of an appropriate advisor.

Students are cautioned that they should consult with the professional school of their choice early in their career to ascertain the exact requirements for admission. In particular, special attention should be given to residency requirements. For the professions of chiropractics, dentistry, medicine, occupational therapy, veterinary science, and other related disciplines, students are

sional track outlined under the B.S. Biology curriculum (pg. 133).

PRE-ENGINEERING

Dr. Mohamed Youssef, Coordinator

The Physics and Physical Sciences Program offers a pre-engineering program, which consists of general education courses with an emphasis in science and mathematics. Since the student does not receive a degree from this program, it is quite flexible and can be adjusted to meet specific needs.

It is strongly suggested that the student consult with the engineering school of his or her choice to learn of their requirements before enrolling at West Liberty.

Because each engineering school has varying requirements for admission of transfer students, it is the student's responsibility to be aware of those requirements and to contact the engineering school concerning the acceptability of this program. West Liberty State College will assist by providing appropriate course syllabi.

Students applying for admission to this program should have successfully completed at least two years of algebra. A candidate who does not have a better than average aptitude for mathematics should consider carefully whether he or she should study engineering. All students must contact Dr. Youssef and inform him of his or her interest in Pre-Engineering.

RECOMMENDED PRE-ENGINEERING PROGRAM

Sem. Hrs.

1st Semester

CHEM 110 General Chemistry I	3
CHEM 111 General Chemistry Laboratory I ..	1
ENG 101 Freshman English I	3

HPE 101 Gen. Program in Physical Educ. I ..	1
MATH 141 Trigonometry	2
MATH 145 Precalculus Algebra	3
PHYS 101 Elementary Physics I	3
PHYS 110 Elem. Physics Laboratory I	1
TOTAL	17

2nd Semester

CHEM 112 General Chemistry II	3
CHEM 113 General Chemistry Laboratory II ..	1
ENG 102 Freshman English II	3
HPE 102 Gen. Program in Physical Educ. II ..	1
MATH 210 Calculus & Analytic Geometry I ..	4
PHYS 102 Elementary Physics II	3
PHYS 111 Elem. Physics Laboratory II	1
TOTAL	16

3rd Semester

MATH 175 Computer Prog. for Sciences	3
MATH 211 Calculus & Analytic Geometry II ..	5
PHYS 200 Intermediate Physics	2
General Electives *	6
TOTAL	16

4th Semester

MATH 212 Calculus & Analytic Geometry III ..	4
Electives in Science *	8
General Electives *	6
TOTAL	18

* Electives can be in any discipline. The student should consult the engineering school to which he/she expects to transfer.

DEPARTMENT OF HEALTH SCIENCES

Dr. Steve Domyan, Chairperson, Mr. Rosita Briggs, Ms. Teresa Faykus, Mrs. Courtney Huffman, Dr. Monica Kennison, Ms. Mary Ann Merz, Ms. Shirley Misselwitz, Ms. Rhonda Sansone, Mrs. Margaret Six, Ms. Elizabeth Sproull, Ms. Michele Sweeney, Dr. Diane Tomasic, Dr. William Wagener. Clinical Assistants: Ms. Jennifer Blaskovich, Mrs. Dawn Ann Dean, Mrs. Sue Forrester, Mrs. Jeannette Gryskevich, Mrs. Lynn Muth, Mrs. Mary Ann Vandrich.

encouraged to consider the pre-profes-

CLINICAL LABORATORY SCIENCE PROGRAM

Dr. William Wagener, Program Director,
Ms. Mary Ann Merz.

The profession of Clinical 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 clinical laboratory scientist performs the multitude of laboratory tests upon which physicians rely for diagnosis and treatment. Opportunities are also available for the clinical laboratory scientist who chooses to work in research, biotechnology or education.

The Clinical Laboratory Science Program at West Liberty State College consists of prerequisite course work in biology, chemistry, mathematics and general studies. Introductory clinical laboratory science courses taken during the freshman and sophomore years introduce 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. In addition, senior clinical laboratory science students develop problem solving, interpersonal and managerial skills required for the health professions.

Educational Programs in the clinical laboratory sciences must be accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS, 8410 West Bryn Mawr Avenue, Suite 670, Chicago, IL 60631, 773-714-8880). The Clinical Laboratory Science Program at West Liberty State
tion from computer-generated

October 1978. The program was granted full accreditation in March 2007 for seven (7) years.

The Clinical Laboratory Science curriculum generally requires four years of study and upon successful completion of the program, the student will be awarded a B.S. degree in Clinical Laboratory Science.

ADMISSION

Although the entire curriculum takes four years to complete, students are not officially admitted into the Clinical Laboratory Science Program until the end of the sophomore year. Freshman students who are admitted into the introductory to Clinical Laboratory Science courses are designated as Pre-Clinical Laboratory Science majors.

At the end of the Sophomore year, only those Pre-Clinical Laboratory Science majors with the most competitive qualifications will be selected to enter the Clinical Laboratory Science Program as Juniors.

REQUIREMENTS FOR ADMISSION TO THE PRE-CLINICAL LABORATORY SCIENCE PROGRAM

Applicant must:

1. Meet the admission requirements for West Liberty State College.
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,

ter 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 CLS 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 CLS 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 pipets and pipetting devices and other standard laboratory glassware and equipment.
 8. Accurately transcribe information.
- College received initial accreditation in

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 CLINICAL LABORATORY SCIENCE PROGRAM

The Clinical Laboratory Science Program accepts only its most qualified Pre-Clinical Laboratory Science majors into the available positions. To be considered for admission to the Clinical Laboratory Science Program, the applicant must:

1. Submit a completed Clinical 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 Clinical Laboratory Science courses: 210, 211, 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 two (2) science and non-science faculty members or laboratory assistants.
 - b.) Interview with representatives of the Clinical Laboratory Science Admissions Committee.
 - c.) Professional assessment by Clinical Laboratory Science faculty.

earning a grade of "C" or bet-

REQUIREMENTS FOR TRANSFER INTO THE CLINICAL LABORATORY PROGRAM

Because of the nature of the Clinical Laboratory Science Program, it is very difficult to transfer into the program and still complete the required courses within the usual four-year time period. Those who do transfer into the program should plan to spend at least one additional year at West Liberty State College to complete the requirements for a B.S. degree in Clinical Laboratory Science.

Concerning advanced placement of qualified transfer students: due to limited class sizes in the junior and senior level Clinical Laboratory Science 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 Clinical 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 State College:

- 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 State College.

2. Have earned an overall grade point average of 2.5 or higher.

BS DEGREE IN CLS FOR LABORATORY TECHNICIANS

The CLS Program faculty have developed the following guidelines for awarding the CLS degree to medical laboratory technicians or clinical laboratory technicians who are graduates from NAACLS accredited programs.

Article 11 - Clinical Laboratory Science -

Graduates of West Virginia Northern Community College, Fairmont State University, and Jefferson Community College should contact the Program Director of the Clinical Laboratory Science Program or the Chairperson of the Department of Health Sciences to determine which courses have equivalencies at West Liberty State College.

General Studies:

The general studies courses required by West Liberty State College must be completed according to the College Bulletin in place when the student begins course work at West Liberty State College.

Credit by Petition:

Credit may be awarded for selected courses, general studies, science courses, and courses in the CLS major, following a petition for credit. The Program Director should be consulted when a student wishes to request credit by petition.

Validation for CLT (MLT) Graduates:

Upon successful completion of 12 credit hours at West Liberty State College, 12 credit hours (traditional sequence) or six credit hours (biotechnology emphasis) will be awarded if the student has passed the ASCP or NCA certification examination for laboratory technicians or has a minimum of two years experience in laboratory science.

Credits:

Students should be aware that the college can apply a maximum of 72 credit hours from two year colleges toward the B.S. degree at West Liberty State College. A minimum of 40 credit hours from junior or senior level courses (300 and 400 level) is required. In addition, a minimum of 15 credit hours must be taken in the student's major area of study (CLS).

ALTERNATE LIST

A sequential listing of qualified pre-Clinical Laboratory Science majors

who were not selected into the Clinical Laboratory Science Program will be maintained. Should one of the students who were already accepted decide to decline the appointment, then 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-Clinical Laboratory Science Admissions: Enrollment in the Pre-Clinical Laboratory Science program is unlimited and students will be accepted into the program up to the beginning of the Fall semester. Students should contact the department for an admissions information form.

2. Clinical Laboratory Science Admissions:

a. Cutoff date for submission of application materials:

Pre-Clinical Laboratory Science majors wishing to be considered for acceptance into the Clinical Laboratory Science Program 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.

- All requests for application materials - both general college and

should be directed to: Admissions Office West Liberty State College, West Liberty, WV 26074

OR

Program Director of Clinical Laboratory Science, West Liberty State College, West Liberty, WV 26074

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 Clinical 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 Clinical 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 State College 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 Clinical Laboratory Science 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 CLINICAL LABORATORY SCIENCE

The Clinical Laboratory Science Program offers two routes to the B.S. de-

gree. The traditional route prepares students for employment in the traditional clinical laboratory setting such as hospitals, clinics, etc. The biotechnology emphasis provides additional training in biotechnology courses through the Department of Biology. This emphasis prepares students who are more interested in employment in the biotechnology field or research in addition to the traditional employment areas. The course requirements for each emphasis are listed below.

Sem. Hrs.

I. GENERAL STUDIES (see page 60) 48

II. REQUIRED SUPPORT

COURSES (traditional) 28 ***

(biotechnology) 26 **

- * 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
- HS 420 Management Health Professions .. 2
- *** General Elective 2

III. Required CLS/

Biotechnology (traditional) 63***

(biotechnology) 65**

- ** BIO 306 Biotechnology I 3
- ** BIO 307 Tissue Culture I 2
- ** BIO 308 Tissue Culture II 2
- ** BIO 321 Biotechnology II 3
- ** Biology elective 3
- CLS 210/211 Introduction to CLS/Lab 2/1
- CLS 250 Medical Bio-organic Chemistry 4
- CLS 300/301 Clinical Hematology/Lab 4/1
- CLS 320 Analysis of Body Fluids 2
- 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 372/373 Clinical Microbiology II/Lab 3/1
- 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 441 Advanced Clinical Biochem. Lab.. 4
- CLS 450 Senior Seminar 3
- CLS 455 Quality Control and Research

- ***CLS 461 Advanced Clinical Microbiol. Lab 3
- ** CLS 462 Clinical Rotation I 3
- ** CLS 463 Clinical Rotation II 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.

* Additional general studies courses are listed as required support courses to equal the required total of 48 credits for B.S. degrees.

** Biotechnology sequence.

*** Traditional sequence.

BUDGET

Refer to section of Fees, Budgets and Financial Aid in the catalog.

Additionally, seniors will experience costs associated with the clinical rotation courses, such as lab coats, uniforms, and transportation. Fees are also required with NCA or BOR Registry Examination Applications. See Program Director for more information.

RETENTION, WITHDRAWAL, SUSPENSION AND DISMISSAL POLICY

INTRODUCTION: A student admitted to the Clinical Laboratory Science 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 Clinical Laboratory Science course that is required for the B.S. degree in Clinical Laboratory Science.

A student who earns a "D" or "F" in

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 Clinical 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 clinical laboratory science during the final term before graduation. The exam will be given during finals week and will constitute the final grade for CLS 400 CLS Comprehensive Review. Students are not required to complete a national certification examination in clinical laboratory science as a condition for graduation. However, two national examinations are available for graduates who wish to earn certification: The Board of Registry exam offered by the American Society of Clinical Pathologists (ASCP) and the NCA exam offered by the National Credentialing Agency for Laboratory Personnel. Students may take one or both exams but the CLS faculty recommends students sit for the NCA exam in order to validate their competencies with others on a national level and earn the appropriate certification credential.

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

ing 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 reinstatement is approved by the Clinical Laboratory Science Admission Faculty, the student may then resume taking the necessary course work remaining for the B.S. degree in Clinical Laboratory Science. It should be noted, however, that because of limitations in class sizes in the Clinical Laboratory Science courses, such a student may 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 reinstatement is approved by the Clinical Laboratory Science Program Director, the student may then resume taking the necessary course-work remaining for the B.S. degree in Clinical Laboratory Science. It should be noted, however, that because of limitations in class sizes in the Clinical Laboratory Science courses, such a student may 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 responsible

gent, 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 health 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. The minor requires the completion of 21 credit hours. Students enrolled in other majors may take selected courses as electives. Students completing the Gerontology Minor should select courses from the follow-

GERONTOLOGY MINOR

REQUIRED COURSES: 21 Sem. Hrs.

Students may select 21 or more hours for the minor from the courses listed below

	Sem. Hrs.
GERO 100 Perspectives on Aging	3
GERO 200 Biology & Physiology of Aging	3
GERO 280 Clinical Aspects of Dementia Care	2
GERO 290 Interdisciplinary Management of Problems of Aging	3
GERO 300 Prevention & Healthy Aging	3
GERO 340 Issues in Long-Term Care and Aging	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	2
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
Total Hours	37-42

DENTAL HYGIENE PROGRAM

Mrs. Six, Program Director, Mrs. Huffman, Dr. Hutchison, Dr. Kademenos, Dr. Mermigas, Dr. Roman, Dr. Schnupp, Ms. Sweeney. Clinical Assistants: Mrs. Blaskovich, Mrs. Dean, Mrs. Forrester, Mrs. Gryskevich, Mrs. Muth, and Mrs. Yandrich.

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

delay the growth of the dental hygiene movement. West Liberty State College 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 and works directly in the mouth of the patient and is, therefore, 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 State College is a testing site for the National Board and the North East Regional Clinical Board 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

West Virginia, who felt that the lack of a dental school in West Virginia should not

tient.

of dental hygienists are working in expanded career alternative settings including dental hygiene education, schools systems, public health, hospitals, clinics and nursing homes, 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 students in dental hygiene apply for student membership in the American Dental Hygienists' Association. An annual membership fee entitles the student to receive monthly issues of 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 college and is intended as a protection for the students, the college, and the pa-

RETENTION, SUSPENSION AND REINSTATEMENT

Minimum academic standards:

Since 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 cumulative grade-point average of 2.5 and a "C" or better in all dental hygiene and science courses included in the Dental Hygiene Program curriculum

To be eligible for graduation, a student must have a minimum of 2.5 GPA in Dental Hygiene curriculum courses.

Failure to meet Academic Standards:

- A. 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. 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.
- B. Failure to Meet Stipulated Grade-Point Average: A student who fails to meet the stipulated GPA as stated in the minimum academic standards above will be immediately placed on probation. The student will be afforded the opportunity to raise the Dental Hygiene GPA during the next semester. At the completion of the next semester, if the Dental Hygiene GPA is not a 2.5, the student will be immediately

and permanently dismissed from the Dental Hygiene Program. Please be advised that liberal arts courses are not to be included when computing the dental hygiene grade-point average.

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 college 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

Applications for admission to both the two-year and four-year Dental Hygiene Programs must be completed and submitted before January 15 of each year. Such applications are reviewed and evaluated by the Dental Hygiene Admissions Committee and applicants are notified of their acceptance or rejection.

tion, or in certain cases their retention on an "alternate" list. A personal interview may be requested by the Admissions Committee

There are three categories of acceptance:

1. High School - 2 year program
2. High School - 4 year program
3. Students on the campus of West

Liberty State College and college transfers.

The procedures for selections of applicants is basically the same in all three categories. **By January 15, the following application procedures must be completed:**

High School Applicants - 2 & 4 year program

1. Admissions requirements for West Liberty State College **must be met**. Applicants who meet these requirements will be notified by the Admissions Office. This does not mean admission to the Dental Hygiene Program but to the college in general.
2. Application requirements to the **Dental Hygiene Program** includes the following:
 - A. Graduation in the upper half of high school graduating class as certified by a school official.
 - B. Transcript of high school grades to date, including class rank.
 - C. Minimum **cumulative** grade point average of 2.8 or higher.
 - D. Completion of one high school unit of chemistry, one high school unit of algebra **and** one unit of high school biology. A minimum grade of "C" is required in each course.
 - E. Minimum American College Test (ACT) score of 18 or Scholastic Achievement Test (SAT) score of 870.
3. Health forms completed by physician.
4. **Completed application** form for the Dental Hygiene Program.

College Applicants

Students who are attending an accredited college or university and who wish to apply for admission to the two year or four year Dental Hygiene Program must complete the following application procedures by January 15:

1. If the student is not attending West Liberty State College, the proper transfer forms must be obtained from the Admissions Office.
2. Completion of one unit of high school or college Chemistry, one unit of high school algebra and college biology (4 credits). A minimum grade of "C" is required in each course.
3. Health forms to be completed by physician.
4. Transcript of college grades to date.
5. Completed application form for the Dental Hygiene Program.
To be eligible for consideration by the Committee for Admission to the Dental Hygiene Program, applicants who have attended or are attending college must have a 2.80 or higher cumulative grade-point average. This grade point average does not guarantee admission but is a minimum requirement for consideration for admission. In addition, a minimum grade of "C" **is required** in each NATURAL SCIENCE course attempted.

Students accepted by the Admissions Committee will be given tentative admission in April. Final admission will be given after successful completion of the second semester.

All requests for application material should be directed to:

Program Director, Dental Hygiene
West Liberty State College
121Campus Service Center
PO Box 295
West Liberty, WV 26074-0295

STUDENT-PARTNERS

Students accepted into the Dental Hygiene Program 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 themselves.

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

Awarded to a graduating student. Recognizes outstanding comprehensive patient care in the clinic.

• STUDENT AMERICAN DENTAL HYGIENISTS' ASSOCIATION AWARD

Awarded to a graduating student. Recognizes outstanding contribution to the class.

• HU-FRIEDY GOLDEN SCALER AWARD

Awarded to a graduating student. Recognizes outstanding clinical proficiency.

• COLGATE "STAR" AWARD

Awarded to a graduating student. Honors a student for academic excellence and community service.

• WEST VIRGINIA DENTAL HYGIENISTS' ASSOCIATION AWARD

Recognizes a first-year student who consistently demonstrates quality communication skills with patient education. Also, honors 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.

Tuition and fees are based on in-state and out-of-state residency. Additional expenses for a student enrolled in the Associate of Science Degree program include: uniforms, shoes, glasses with side shields, instruments, Dental Hygiene lab fee, x-ray badge, professional dues for the student organization, board examination fees, and professional pin.

INTRODUCTION TO DENTAL HYGIENE I (D.H. 110)

An elective course may be taken prior to enrolling in the two-year professional curriculum in Dental Hygiene.

TWO YEAR CURRICULUM IN DENTAL HYGIENE

The General Studies courses listed must be taken prior to completing the two-year Associate program. 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.

	Sem. Hrs.
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 201 General Psychology *	3
	15

First Year- First Semester

CHEM 100 Chemistry Health Prof.	3
CHEM 101 Chemistry Lab Health Prof.	1
BIO 212 Anatomy & Physiology Health Prof. ..	4
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.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE IN DENTAL HYGIENE

	Sem. Hrs.
I. GENERAL STUDIES (see page 61)	48
II. REQUIRED PROFESSIONAL STUDIES	
courses in two-year program with exception of those with *	59

III. PROFESSIONAL SUPPORT

COURSES 10

MATH 160 Introduction to Statistics	3
BIO 124 Biological Principles	3
BIO 125 Biological Principles Lab	1
BIO 210 Essentials of Biomed. Terminology ..	3

IV. GENERAL SUPPORT COURSES 9

EDUC 201 Human Development	3
EDUC 403 Instructional Media	3
One of the following choices	3
PSYCH 225 Psychology of Childhood and Adolescence	
PSYCH 252 Lifespan Development	
PSYCH 320 Psychology of Adult and Old Age	
PSYCH 321 Psychology of Personal Growth	
PSYCH 416 Social Psychology	
PSYCH 420 Psychology of Personality	

V. DENTAL HYGIENE EDUC. COURSES 4

Required:

DH 466 Practice Management for the Dental Hygienist	2
DH 450 Senior Research in Dental Hygiene Education	2

VI. ELECTIVES APPROVED BY THE PROGRAM DIRECTOR TO TOTAL .. 128 Hrs.

BACHELOR OF SCIENCE DEGREE OPTIONS

The Dental Hygiene Program offers two additional Bachelor of Science Degree options for students pursuing careers in dental sales or manager positions in community clinics and dental offices.

BACHELOR OF SCIENCE DEGREE IN DENTAL HYGIENE Management Track

Sem. Hrs.

I. GENERAL STUDIES (see page 60) 48

* GBUS 140 Intro to Business is required for students completing management track.

II. REQUIRED PROFESSIONAL STUDIES (see page 155) 59

III. PROFESSIONAL SUPPORT

(see page 155) 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 EDUCATION

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

Sem. Hrs.

I. GENERAL STUDIES (see page 60) 48

* GBUS 140 Intro to Business is required for students completing marketing track.

II. REQUIRED PROFESSIONAL STUDIES (see pages 155) 59

III. PROFESSIONAL SUPPORT (see page 151) 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 EDUCATION

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 the college.

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 Direc-

tor 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 college.

PRE-DENTISTRY STUDENTS

Pre-dentistry students may opt to take certain dental hygiene courses within the Associate Degree curriculum. These dental hygiene courses will provide the students with exposure to the professional area of dentistry. Contact the Program Director for additional information. Students are advised to contact the dental school of their choice for exact admission requirements.

NURSING PROGRAM

Dr. Monica Kennison, Program Director, Ms. Briggs, Ms. Faykus, Ms. Misselwitz, Ms. Sansone, Ms. Sproull, Dr. Tomasic.

The college offers a bachelor of science in nursing degree program, accredited by the National League for Nursing Accrediting Commission (NLNAC)*, 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 write the examination for licensure as professional registered nurses. They will be qualified to practice at entry-level positions in a variety of acute and long-term health care set-

tings. All graduates of the program possess a sound knowledge base for the continuation of their nursing education at the master's level.

MISSION

The mission of the West Liberty State College Nursing Program is to launch professional nurses for caring practice in the community.

PROGRAM GOALS

Graduates of the West Liberty State College nursing program will:

1. Employ caring nursing interventions in nursing practice.
2. Employ critical thinking in making professional judgments and decisions.
3. Communicate effectively with others.
4. Demonstrate non-judgmental care for diverse cultures, values and lifestyles.
5. Grow and develop in the professional nursing roles of care giver, care coordinator, advocate, and member of the profession.

* National League for Nursing Accrediting Commission
61 Broadway
New York, NY 10006
212-363-5555

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 such as nursing homes, 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 are usually interested in a particular area of specialization in nursing. Examples of nursing specialties include mental health, maternal-child health, critical care, oncology, and rehabilitation. Some nurses manage to become experts in many specialties by working in different nursing positions during their careers in nursing.

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

Basic Students (High School Seniors)

ADMISSION PROCEDURE AND REQUIREMENTS

1. Persons desiring to study nursing at West Liberty State College must be accepted for admission to the college, declaring Nursing as their major.
2. Applicants must submit their high school transcript and ACT or SAT scores directly to the Office of Admissions.
3. Upon acceptance to the college, the Nursing Academic Standards Committee will review the records of these students to determine if the person is an acceptable candidate and notifies the candidate of its decision. Admission to the Nursing program will be determined by:
 - a. High School GPA of 3.0 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. Preference will be given to West Virginia residents.

4. Progression in the Nursing Program will then be determined by meeting the requirements of the program including a satisfactory ACT/SAT math score as defined in the College Bulletin. Requirements for progression in the Nursing Program include:
 - a. A cumulative college GPA of 2.8 upon completion of the freshman year with a minimum of 28 hours of credit, including the following courses and ALL PREREQUISITES for nursing courses.
 - 1.) BIO 105/106 or BIO 124/125
 - 2.) CHEM 100/101 or other physical science
 - 3.) ENG I and II or DEV ENG and ENG I
 - 4.) PSYC 201
 - 5.) DEV MATH, if required
 - b. Additional appropriate general studies courses.
5. The Nursing Academic Standards Committee requires a completed health record at the beginning of the first semester of the sophomore year and reserves the right to require additional information, examinations, or measures of eligibility before the student begins the first off-campus clinical experience.
6. Students not meeting the initial requirements for admission to the nursing program as entering freshmen may enroll in the suggested freshman courses as listed above and request in writing to the Nursing Academic Standards Committee a reevaluation of their status. Acceptance at this time will be based on a college GPA of 2.8 or above and available space in the class.

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 WLSC. Persons needing college applications and other information should write to the Office of Admissions, West Liberty State College, P.O. Box 295, West Liberty, WV 26074-0295.
2. Upon acceptance by the College, RN students will be reviewed by the Nursing Academic Standard Committee. Applicants will be notified regarding the Committee's decision.
3. Applicants must submit their school of nursing transcripts, and all additional college transcripts to the Office of Admissions.
4. RN ADMISSION REQUIREMENTS INCLUDE:
 - A. Meet the general requirements for admission to the college
 - B. Graduate from an approved/ accredited associate degree or diploma program in nursing as evidenced by an official transcript
 - C. Valid professional nursing license or be eligible for licensure
 - D. Cumulative GPA 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. Preference will be given to West Virginia residents.

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.

CURRICULUM REQUIREMENT FOR THE BACHELOR OF SCIENCE IN NURSING DEGREE

Basic Students and Registered Nurse Students

GENERAL STUDIES (see pg 61) 48 Sem. Hrs.

I. Verbal Communications 9

II. Fine Arts and Humanities 9

III. Natural Science & Mathematics 11

Must take:

MATH 160 Intro to Statistics3

**IV. Social and Behavioral
Sciences 12**

Must take:

PSYC 201 General Psychology 3

V. Business and Economics 3

VI. Physical Education 1

Must take:

PE 101 or PE 102 General Program 1
45

SUPPORT COURSES

** BIO 212, 214 Anatomy & Phys 6

** BIO 216, Micro 3

BIO 330 Fundamentals of Nutrition 3

PSYC 252 Lifespan Development 3

HS 101 Calculation of Drugs and Solutions 1

HS 420 Management for the Health

Professions 2

(Basic students only)

Basic Student Nursing Courses

Sophomore

NUR 200, 201 Intro to Nursing & Clin 4

NUR 210, 211 Concepts Fund. to Prac & Clin 6

NUR 246 Nrsng: Com Hlth II 1

NUR 250 Health Assessment 2

NUR 270 Therapeutic Communication 2

GERO 275 Caring for Elderly Client 3

Junior

NUR 306, 307 Hlth Prom in Chron & Clin 9

NUR 308 Case Studies in Chronicity 2

NUR 320 Pharmacology 3

NUR 340, 341 Hlth Prom in Crisis & Clin 9

NUR 360 Nrsng Research 3

Senior

NUR 430, 431 Hlth Prom of Women and

Children 7

NUR 404 Community Nursing 3

NUR 445 Nrsng: Com Hlth VI 2

NUR 472 Issues of Nursing 3

NUR 481 Nursing Practicum 4

HS 300 Understanding Death & Dying 2

Total 60

ELECTIVES TO TOTAL 128 Sem. Hrs.

** 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. A substitution of a three credit upper level biology (300 or higher) course may be made for 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 this requirement. Approval will be given by the Program Director, Nursing/Chair, Department of Health Sciences.

The Registered Nurse (RN) student will complete (or transfer credit for) the General Studies and all support courses previously listed except HS 420 Management for the Health Professions. Required Nursing courses for RNs follow:

RN Student Nursing Courses

NUR 390 Nursing Transition	3
NUR 391 Advanced Health Assessment	3
NUR 360 Nursing Research	3
NUR 400/401 Comm Hlth Nrsg & Clinic	5
NUR 445 Nrsg: Comm Hlth VI	2
NUR 450 Management in Nursing	3
NUR 472 Issues of Nursing	3
NUR 478/479 Spec Top/Spec Prob in Nrsg .	6
NUR 481 Nursing Practicum	4
TOTAL	32

ACCELERATED B.S.N.

The baccalaureate degree for nursing is available to RN students in an accelerated time frame. It is designed primarily for working RNs, who are at least 21 years of age and have completed approximately 60 hours of college credit. Nursing classes are provided in Warwood, W.Va., in a concentrated block of time. More detailed information can be obtained from the Nursing Program Office.

VALIDATION PROCESS for Registered Nurses

ASSOCIATE DEGREE RN

Upon completion of twelve credit hours in nursing with a minimum grade of "C" at West Liberty State College, the Associate Degree RN will be able to transfer lower level nursing credits to validate prior learning of nursing knowledge and skills.

DIPLOMA RN

To receive credit for prior learning of nursing knowledge and skills the RN student must satisfactorily complete three Excelsior College examinations:

- Psychiatric/Mental Health
- Adult Nursing
- Maternal and Child Nursing

Candidates who wish to take these examinations must obtain an Excelsior Candidate Registration Packet from the Excelsior College Office, or a participat-

ing college or university, a test center. To earn or transfer nursing credit, a standard score of at least 45 must be achieved on each examination. The college credit received is as follows:

• Psychiatric/Mental Health Nursing	10
• Adult Nursing	11
• Maternal and Child Nursing	10
TOTAL CREDITS	31

A student may enroll in NUR 390 and 391 and other non-clinical nursing courses while completing the validation process.

THE SCHOOL NURSE PROGRAM

West Liberty State College 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 State College must complete the following courses:

	Sem. Hrs.
NUR 478 ST: School Health Nursing	2
SPED 241 Intro to Exceptionalities	3
EDUC 409 School Law & Organization	1

POLICIES

Attendance

The faculty of the Nursing Program believes that class attendance is essential for optimum learning. Therefore, attendance is expected for all scheduled learning experiences except for legitimate emergencies and situations beyond the student's control. Absence from class, laboratory, and clinical experiences will be evaluated on an individual basis according to the student's ability to meet the course requirements. When possible, the student should inform the appropriate faculty member

prior to being absent. Upon return from

quired Nursing courses for RNs follow:

absence, it is the responsibility of the student to contact the appropriate faculty member regarding any assignments. A student who has frequent or prolonged absences may be unable to meet the course requirements and be subject to an incomplete or failing grade for the course. In accordance with the college attendance policy, the faculty reserves the right to establish their own specific course attendance policies.

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 State College nursing courses, HS 420, as well as BIO 212 and 214. In HS 101, students must achieve an 84% or higher to pass the course. The student must also maintain a cumulative GPA of 2.50 or higher for all West Liberty State College nursing and health science curriculum courses attempted.

The Nursing Academic Standards Committee reviews all nursing student records annually for promotion from one level to another in the program. The Committee will meet on an as needed basis for selected student cases. If a student earns a "D" or "F" grade in a nursing, health science, or biology course, the Nursing Academic Standards Committee will meet to consider the student's ability to continue in the Nursing Program. Continuation in the program in this case will be dependent upon the course(s) unsatisfactorily met, the prerequisite(s) for subsequent nursing courses, and the student's cumulative nursing GPA.

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 an unsatisfactory grade earned (D, F, WF, FI). Upon earning a second unsatisfactory grade in a nursing curriculum course, the student is immediately, permanently dis-

missed 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 course deemed equivalent to a specific course in the West Liberty State College 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 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 State College nursing curriculum will not be used in the computation of the nursing GPA 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 West Liberty State College Higher Education Policy Bulletin No. 57 to be found in 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, April 1995). The WV 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 19-1-12.4. The Board of Examiners for Registered Professional Nurses will be informed by the Program Direc-

tor, Nursing when a student is in violation of the Standards for Professional Nursing Practice 19-10-2 and 19-10-3.

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. 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 college policy, the grade will become a failure.

Transfer

Placement of students who transfer to the nursing program at West Liberty State College will be determined on an individual basis by the Nursing Academic Standards Committee. Advanced standing is given following review of tran-

scripts, nursing course descriptions, and or nursing course syllabi, and in some cases achievement testing. Students must meet college admission and Nursing Program admission, and progression requirements as well as:

1. Provide transcripts from previous schools and evaluation by the WLSC Admissions Office for the Nursing Academic Standards Committee.
2. Complete a minimum of 15 credits in nursing from West Liberty State College and other general requirements for graduation as outlined in the college bulletin.
3. Preference will be given to West Virginia residents.

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 State College.

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 WLSC Board of Governors Policy No. 60, Section 1.1.2 and the WLSC Academic Probation and Suspension Appeals Policy. 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 College so dismissal from Nursing may not affect a student's good academic standing with the college.

Graduation

Candidates for a bachelor of science in nursing degree must complete a minimum of 128 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 and health science curriculum courses attempted in order to graduate. The required professional development and community service activities must be validated, and all college graduation requirements must be met. Upon graduation, the nursing pin and cap that symbolize graduates of West Liberty State College 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 (Policy Bulletin Nos. 57 and 60) 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 college 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 Program 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 one quarter 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 College Withdrawal Policy and complete all necessary forms for withdrawal from College. The forms are available in the Student Enrichment office.

Individuals who leave the program in good academic standing and desire re-

admission after a one semester leave of absence will be given preference for readmission to the nursing program.

If a student plans to return, the department must be notified within the first month of the semester prior to the return.

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 college 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 earned the RN license.

Health Examination

After acceptance into the nursing program, each student must have a Health Record completed prior to the student's first clinical experience. Additional examinations and immunizations are required for some clinical experiences. Detailed requirements of the

Health Record are provided after admission to the Nursing Program. The student may choose the site for obtaining these services. 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.

Faculty verify students' certification at the beginning of each clinical course.

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

Basic 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.

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.

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.

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.

GRADUATION AWARDS

Graduation awards are presented to senior nursing students at their Pinning Program: Pauline F. Sonneborn, Dorothy E. Greene, Nightengale, 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. The award consists of a medallion and a gift of money.

Dorothy E. Greene Award

The Dorothy Greene Award was established in June, 1983 and given by the James U. Greene family in memory of Dorothy E. Greene who was a graduate of Ohio Valley General Hospital School of Nursing in 1952 and worked as a Head Nurse at Ohio Valley Medical Cen-

ter. The award is given annually to a graduating senior displaying outstanding dedication to the profession of nursing. The award consists of a plaque and a gift of money.

Nightengale

The Nightengale 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. The award consists of a medallion and a gift of money.

Sharon Smarrella Outstanding Nursing Student Award

The Sharon Smarrella Outstanding Nursing Student Award was established in May 1999 by the West Liberty State College Nursing Program faculty in memory of Sharon Smarrella, who was a faculty member in the West Liberty State College Nursing Program for four years. The award is given annually to an outstanding graduating senior who displays caring and a commitment to the profession of nursing. The award includes a medallion and a gift of money.

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 WLSC faculty member. The award is given annually to a graduating senior who displays a commitment to lifelong learning. The award includes a plaque and a gift of money.

Eastern Star Award

The Eastern Star Award is a gift of money to an exemplary graduating RN student.

BUDGET

In addition to college tuition and fees, nursing students are responsible for the following approximate expenses:

ITEMS

COST *

Uniforms and accessories	\$300
Health Professions fee	\$75/sem.
Achievement testing	\$32/sem.
Nursing Pin & Cap	Varies
State board fees for	
Licensure	Varies (state to state)

* Subject to change without notice.

PRE-PROFESSIONAL SPEECH PATHOLOGY-AUDIOLOGY Bachelor of Science

Dr. Steve R. Domyan, Program Coordinator. Dr. Vicki Donne, Mr. Robert Mancuso, Ms. Cynthia Wepler.

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 disabilities. 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 professional 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 State College, 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 State College, 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 who will function in the marketplace of the twenty-first century. 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, 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 lan-

guage, 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 college. It is recommended but not required that those students interested in SPA meet the following requirements:

- a. High School GPA of 3.0 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 College Bulletin

Upon acceptance by the college, the student is enrolled in the introductory SPA courses required of all SPA majors:

SPA 150 or SPA 151	3 sem. hrs.
SPA 152 or 255	3 sem. hrs.
SPA 252	3 sem. hrs.

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 in writing. The student is then required to meet with the Director of SPA within ten (10 days) of receiving the letter concerning the grade point average.

The grade point average of each SPA student will be reviewed each semester. Admission to a graduate program typically requires a grade point average of 3.00 or, higher (most graduate schools are requiring 3.33 and above) in the undergraduate major, so a high level of academic

performance is strongly encouraged at West Liberty State College.

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 School 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 State College Board of Governors Policy Bulletin No. 57 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.

PRE-PROFESSIONAL SPEECH PATHOLOGY and AUDIOLOGY (SPA) BACHELOR OF SCIENCE

	Sem. Hrs.
I.A. GENERAL STUDIES (see page 61)	
Bachelor of Science	48
II. SPEECH PATHOLOGY-AUDIOLOGY COURSES	59
A. Required Core Courses	44
B. SPA Electives	15
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.

SPEECH-LANGUAGE PATHOLOGY ASSISTANT

I. A. GENERAL STUDIES (see page 61)
Bachelor of Science 48

**II. SPEECH-LANGUAGE PATHOLOGY
ASSISTANT 59**

A. Required Core Courses 44

B. SPA Electives 15

III. PREFERRED ELECTIVES 21

TOTAL 128 Sem. Hrs.

SPA CORE CURRICULUM PRE-PROFESSIONAL SPA SPA ASSISTANT BACHELOR OF SCIENCE

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

**SPA REQUIRED ELECTIVES (Select 15 hours
from the following)**

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 455 Prin. of Speech/Language

Invervention 3

For further information concerning the
Speech Pathology-Audiology Program
contact:

Steve R. Domyan, Ph.D., Coordinator of SPA

326-D Main Hall

West Liberty State College

140 Campus Service Center

PO Box 295

West Liberty, WV 26074-0295

304.336.8100

email: domyansr@westliberty.edu

SMART-Center

Mr. Robert E. Strong, Director, Mrs.
Elizabeth A. Strong, Program Coordina-
tor, Mr. Richard Pollack, Assistant Pro-
gram Coordinator

The WLSC SMART-Center is a member of the Association of Science and Technology Centers and since 1996 has directly served more than 80,000 students through its programs, outreach, and activities. Students have traveled from as far away as Boone County, W.Va, for activities, while teachers have traveled from upstate New York to participate in the teacher enhancement activities. From the custom-designed school or class field trips correlated to state and national education standards to programs held at local schools, such as the Science Enhancement for Middle Schools program, the SMART-Center continues to serve many area schools annually.

SMART, which is an acronym for **Science, Mathematics, And Research Technology**, is a hands-on science center complete with an exhibit hall containing a variety of hands-on exhibits; a demonstration theater; distance learning equipment;

a Light, Optics and Visual Perception room; an Educator Resource Center with a lending library; an Educator Research Laboratory; and two (STARLAB) inflatable planetariums.

More than 750 regional teachers and WLSC education majors are currently STARLAB trained. This inflatable planetarium allows schools to have on-site mini-planetarium shows at their schools. To date, more than 85 schools have leased the STARLAB with a variety of other schools using the STARLAB as part of a program held at their school or at the SMART-Center.

The SMART-Center sponsors the annual Science Challenge for Middle Schools, and both the regional Middle School Science Bowl and the High School Science Bowl, sponsored by RESA-6 and the National Energy Technology Center.

Community events held at the WLSC SMART-Center include the hosting of the local astronomy club, ASTROLABE, the Science in Science Fiction Club, and the steering committee meetings for the Northern Regional Consortium.

The SMART-Center serves as the center of operations for the West Virginia-Handle On Science Project and is a partner in this collaborative endeavor in elementary science education involving RESA-6, all five county school systems of the Northern Panhandle, business and industry and local colleges and universities.



Interdisciplinary Studies

INTERDISCIPLINARY STUDIES PROGRAM PROGRAM SUMMARY

The primary objective of this non-traditional 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 non-conventional 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 WLSC.
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, clinical 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

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 222 and 223 or 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.

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. 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 TAX ACCOUNTING I - 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 TAX ACCOUNTING II - 3 hours

Continuation of ACC 425; involving detailed discussion of depreciation; depletion losses; net operating losses; bad debt losses. Study of tax returns of partnerships, corporations, estates, and trusts. The ethical consider-

ations of tax return filing and preparation will be stressed. Prerequisite: ACC 425.

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.

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 school 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

+ = Critical Thinking

O = Technology

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

100. FUNDAMENTALS OF ART - 3 hours

An introductory course for non-art majors; the exploration of the relationship between visual elements and aesthetic experience.

104. DRAWING I - 3 hours

Beginning drawing emphasis on non-figurative, natural and inanimate forms, skill development in perceptual sensitivity and rendering, using line, tone and modeling; drawing in perspective as applied to non-figurative, naturalistic and inanimate forms.

110. DESIGN I - 3 hours

Exploration of two-dimensional 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.

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.

O 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, 283 and 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 and materials of the oil/acrylic painting media; painting from still life, landscape, and the figure.

220. CERAMICS I - 3 hours

Introduction to hand-formed and wheel-thrown ceramics; the use of engobes,

☛ = International/Global Perspective

! = Cultural Diversity

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 re-

flex (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 290.

295. INTRODUCTION TO WEB DESIGN - 3 hours

An investigation 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 how to use tables, layers and frames for layout and how to import images and format type. Topics include: HTML basics, web-safe color, file formats, static and motion graphics, interface design, scanning and importing images, and digital photography. Prerequisites: ART 110 and 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.

+ = Critical Thinking

O = Technology

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 pre-history 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 self-contained 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 GPA 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 camera 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: Juniors and Seniors who have taken ART 110 and 290.

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, 205 and 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 settings. Prerequisite: ART 383. Entry to the class is contingent upon successful completion of a graphic design portfolio.

+ = Critical Thinking

O = Technology

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 in an internship setting. 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. ADVANCED INTERFACE DESIGN - 3 hours

An advanced study of graphic user interface design. Students will investigate the increasingly important role of the computer screen in helping people to organize and access information via information kiosks and web sites. A variety of projects will be completed dealing with navigation strategies, screen designs, and the integration of multimedia elements such as animation, audio and video. Student work will be developed into web sites and burned onto CD-ROMs. Prerequisites: Juniors and Seniors who have taken ART 110, 160, 283, 290, 295, 383 and 483.

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 5-12, liberal arts majors in their senior year.

BIOLOGY**105. LIFE SCIENCES FOR THE NON-MAJOR - 3 hours**

A survey course designed for the non-science major. Major emphasis is placed on basic biological concepts such as characteristics of life, mitosis, meiosis, embryology, and genetics; the higher plants (angiosperms), their organ systems, physiological processes, and reproduction; and the major human systems. Three lectures per week. Must enroll in both Biology 105 and BIO 106 concurrently, unless Biology 106 has already been passed. Minimum Math ACT score of 19 (or comparable SAT score) or passing of the ASSET test or successful completion of MATH 046.

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 BIO105 and BIO 106 concurrently unless BIO 105 has already been passed. Minimum Math ACT score of 19 (or comparable SAT score) or passing of the ASSET test or successful completion of MATH 046.

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 profes-

sional 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.

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) - 4 hours

Development, morphology, diversity and phylogeny of the major animal phyla. Three lectures and one two-hour laboratory per week. Primarily for biology majors and minors, majors in biology teacher education, and students in pre-professional programs. Prerequisites: BIO 124 and BIO 125.

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. Prima-

rily 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 use of laboratory equipment.

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.

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

+ = Critical Thinking

O = Technology

to recommend to the department chairperson any topics of interest to them.

302. HUMAN ANATOMY AND PHYSIOLOGY I - 4 hours

A detailed study of the structure and functions of the various body systems. Emphasis will be placed on the chemical nature of the life processes and homeostasis, especially muscle, nerve, cardiovascular, respiratory, and excretory physiology. Three lectures and one three-hour laboratory per week. Primarily 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; CHEM 110, 111, 112, 113.

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, 200, 202 and 220; CHEM 110, 111, 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.

322. CRIME SCENE INVESTIGATION - 3 hours

This three-hour laboratory course is designed to teach the fundamentals of evidence collection at a crime scene and processing of collected evidence. Blood spatter, fingerprinting, DNA analysis, fiber analysis, and tool markings are among the topics to be presented. Course is presented as a laboratory capstone requiring application of forensics track coursework in an integrated fashion. Prerequisites: BIO 321, CHEM 112, CHEM 113, CJ 152, CJ 236, CJ 303 and CJ 482.

325. GENERAL MICROBIOLOGY - 4 hours

Morphology and functions of microorganisms and their relationships to humans. Laboratory methods of culturing and identifying bacteria and other microorgan-

isms, 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 lecture course exploring the functional and regulatory processes of the human body and stressing homeostasis of these processes especially endocrine, reproductive, and digestive physiology, as well as intermediary metabolism. Prerequisites: BIO 124, 125, CHEM 110, 111, 112, 113.

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. Prerequisites: BIO 124, 125, 200.

335. ENTOMOLOGY - 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. Three one-hour lectures and one three-hour laboratory per week, and week-end field trips. Prerequisites: BIO 124, 125, 202.

+ = Critical Thinking

O = Technology

340. GENERAL BIOLOGY FOR ELEMENTARY TEACHERS - 3 hours

Concepts of the principles of organisms including life, evolution, classification, the five kingdoms and ecology. For students in elementary education. Prerequisites: BIO 105 and 106 or BIO 124 and 125.

356. PARASITOLOGY - 2 hours

Parasitic protozoa, flatworms, roundworms, and arthropods of medical importance, with emphasis on recognition and identification of human parasites. Two lectures per week. Required of all clinical laboratory sciences students; also for 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. Must be taken concurrently with BIO 357. Prerequisites: BIO 124 and 125.

357. PARASITOLOGY LABORATORY - 2 hours

Laboratory studies of parasites, with emphasis on recognition and disease relationships. Two two-hour laboratories per week. Must be taken concurrently with BIO 356. Prerequisites: BIO 124 and 125.

401. GENETICS - 4 hours

Basic principles of heredity including cytogenetics, mendelian and biochemical genetics. Three lectures and one hour laboratory per week. Laboratory includes executing and interpreting genetic experiments. An additional research project is also completed in the laboratory. Primarily 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, 125, 200, and 202; CHEM 110, 111, 112, and 113; MATH 145 or 160.

404. GENERAL ECOLOGY - 4 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. Laboratory introduces students to methods of ecological research. Includes extended field trips. Three lectures and one

three-hour laboratory per week. Prerequisites: BIO 124, 125, 200, 202.

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 chair person.

407. HUMAN GENETICS - 3 hours

Basic 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. One three-hour lecture per week. Primarily for biology minors, and students in nursing and clinical laboratory science. Prerequisite: none.

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.

432. HISTOLOGY - 4 hours

The structure and functions of cells, tissues and organ systems, with special reference to humans. Laboratory studies of vertebrate tissues. Two lectures and two two-hour laboratories per week. Strongly recommended for biology majors and students in pre-medicine, pre-dentistry, pre-pharmacy; also for biology minors, majors in biology teacher education, and advanced students in the health professions. Prerequisites: BIO 124, 125, 302 or 328.

435. 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. For advanced environmental science students. Prerequisites: BIO 124, 125, 200, 202, and completion of 7 credits from the environmental science restrictive electives.

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. Prerequisites: BIO 124, 125, 200, 202.

460. MOLECULAR BIOLOGY - 4 hours

Structure and function of living organisms at a cell-molecular level, including concepts of cyto-histochemistry, enzymic function and metabolism, and molecular genetics. Laboratory studies designed to teach methods of studying cellular chemistry and to coordinate chemical and cellular functions; various instruments are used to analyse cells at all levels of organization. Three lectures and one three-hour laboratory per week. Prerequisites: BIO 124, 125, 200, 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, CHEM 110, 111, 112, 113.

464. MICROBIAL GENETICS - 4 hours

This course will introduce students to the study of bacterial genetics. Basic topics in-

+ = Critical Thinking

O = Technology

clude 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; CHEM 110, 111, 112 and 113.

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.

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.

A. Independent Research: 1-3 hours Independent research or special studies under the guidance of a departmental faculty member; the purpose of this course is to familiarize the student with the techniques of scientific research or to give the student an opportunity to undertake an independent project which is related to student's area of specialization, such as microbiology, biotechnology, genetics, ecology or secondary education in biology.

Before beginning a project, the student will need: (a) approval from a departmental faculty member who will agree to guide the student in his/her research project, (b) to present a prospectus for approval to the department chairperson, and (c) at the conclusion of the project, a written report will be submitted, and, if appropriate, a seminar will be presented. Open to juniors and seniors majoring in biology.

B. Internship: 1-3 hours

Before beginning an internship, each student will need: (a) a recommendation and approval from a departmental faculty member who will agree to supervise the student in his/her internship, (b) present a prospectus and a written application for approval of the department chairperson. For all internships, biweekly and final reports to the faculty supervisor are required. Internship is open to juniors and seniors majoring in B.S. Biology in Pre-Professional Track, Biotechnology Track and Microbiology Track for 1-3 semester hour credit. Any other biology major may apply for internship for K credit only. Credit for all internships will be awarded on the basis of 45 work hours as equivalent to one semester credit.

1 Laboratory activities for biology teaching major. Students with a biology teaching major may elect to earn credit by working with a member of the biology faculty in certain select courses, learning to design, develop, evaluate, and present labo-

ratory activities and outcomes. Open to juniors and seniors majoring in A.B. Biology Teaching degree.

2. Hospitals, clinics, physicians'/dentists'/veterinarians' offices, physical therapy and optometry centers in the local area. Practicum involving hands on experience working with professional people in their day-to-day operation. Open to juniors and seniors majoring in B.S. Biology in Pre-Professional Track and Graduate School tract. However, upon recommendation of the Program or Track coordinator and written permission of the department chairperson, any other junior or senior biology major may take this internship.

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.

481. FORENSICS CAPSTONE COURSE - 1 hour

Seminar topics involve different areas in forensics. Enrollment in this course is limited to seniors majoring in the forensics track of the B.S. Biology degree program. Prerequisites: Senior standing in the Forensics Track.

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

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: CIS 360 or BIS 360.

+ = Critical Thinking

O = Technology

364. CONTEMPORARY PROGRAMMING LANGUAGES - 3 hours

Disciplined approach to problem-solving and structured program designutilizing modern programming languages. Prerequisite: CIS 340 or 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

Analysing, 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 organization and its impact on management organization, 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 school 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

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 LABORA- TORY 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 LABORA- TORY II - 1 hour

One three hour session per week, a continu-

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ation of CHEM 111. Kinetics, equilibrium, acid-base, voltaic cells, redox, radio-activity, qualitative and quantitative analysis. Pre-requisite: CHEM 111. Corequisite: 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. Corequisite: 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

One lecture per week. An introduction to the interpretation of ultraviolet infrared, visible, nuclear magnetic and mass spectra. Prerequisite CHEM 342. May be offered upon student request: consult with the department chairperson.

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.

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.

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. 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.

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 I - 2 hours

Two lectures per week; ultraviolet, visible, and infrared spectrophotometry; nuclear magnetic resonance, mass and emission spectrometry; Atomic absorption. PrerequisiteS: CHEM 342, 343.

421. INSTRUMENTAL ANALYSIS I LABORATORY - 1 hour

One three-hour sessions per week. Laboratory designed for techniques discussed in CHEM 420. Co-requisite: CHEM 420. Prerequisite: CHEM 321 and 361 or 465.

422. INSTRUMENTAL ANALYSIS II - 2 hours

Two lectures per week. Gas and liquid chromatography, electrochemical methods. Prerequisite: CHEM 342, 343 and 420.

423. INSTRUMENTAL ANALYSIS II LABORATORY - 1 hour

One three-hour session per week. Laboratory designed for techniques discussed in CHEM 422. Prerequisites: CHEM 342, 343. Co-requisites: CHEM 422.

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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: CHEM342.

464. PHYSICAL CHEMISTRY I - 4 hours

Three lectures and one problem session per week; a mathematical presentation of the laws of chemistry. Prerequisites: CHEM 320; PHYS 102; and MATH 210, 211, and 212. Co-requisites: CHEM 465.

465. PHYSICAL CHEMISTRY LABORATORY I - 1 hour

One three-hour session per week. Co-requisite: CHEM464. 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. Corequisite: 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

Seminar topics involving the different areas of chemistry will be researched and a topical paper and presentation will be carried out by senior chemistry majors in the B.S. in chemistry with a minor and B.S. in chemistry without a minor chemistry degrees. The topics will be approved by the faculty of the chemistry program and the student may choose a faculty member to be advisor with approval of the chemistry faculty. 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.

CLINICAL LABORATORY SCIENCE

210. INTRODUCTION TO CLINICAL LABORATORY SCIENCE - 2 hours

Introduces the student to the profession of Clinical Laboratory Science including basic responsibilities as part of the health care system, as well as medical terminology, basic clinical laboratory techniques and calculations. Concurrent with CLS 211.

211. INTRODUCTION TO CLINICAL LABORATORY SCIENCE LABORATORY - 1 hour

The student will perform laboratory exercises to become familiar with basic equipment. Simulated clinical laboratory procedures will be performed to acquaint students with clinical laboratory methodology. Concurrent with CLS 210.

250. MEDICAL BIO-ORGANIC CHEMISTRY - 4 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 - 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 CLS 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 CLS program or permission of instructor. Concurrent with CLS 300.

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 CLS 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

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and their related disease processes. Prerequisites: Admission to Clinical 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 Clinical 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. Concurrent with CLS 373.

**373. CLINICAL MICROBIOLOGY II
LABORATORY - 1 hour**

Laboratory experience in isolating and identifying microorganisms using both simulated and actual patient specimens. Prerequisites: CLS 360/361. Concurrent with CLS 372.

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 proce-

dures. Fall term. Prerequisites: Admission to Clinical Laboratory Science program or permission of instructor.

**400. CLS COMPREHENSIVE REVIEW -
3 hours**

This is a capstone course for senior CLS 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.

**441. ADVANCED CLINICAL
BIOCHEMISTRY LABORATORY - 4 hours**

Training and experience in clinical biochemistry procedures, including instrumentation. Prerequisites: Senior CLS student, CLS 340, 341, 342.

450. SENIOR SEMINAR - 3 hours

A seminar course designed to introduce students to current issues in CLS 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 CLS 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 Clinical Laboratory Science program.

**461. ADVANCED CLINICAL MICROBIOL-
OGY LABORATORY - 3 hours**

Training and experience in clinical microbiology laboratory procedures, including bacteria, anaerobes, mycobacteria, yeasts and fungi from human sources. Prerequisites: Senior Clinical Laboratory Science students; CLS 360, 361, 372, 373.

462. CLINICAL ROTATION I - 3 hours

Training and experience in selected clinical laboratory procedures for student enrolled in the CLS program with a biotechnology

emphasis. Students will spend two days per week in the clinical laboratory setting under the direction of a clinical coordinator. Prerequisite: Senior status CLS-Biotech.

463. CLINICAL ROTATION II - 3 hours

A continuation of CLS 462 offered to provide additional training and experience in a clinical laboratory setting for students enrolled in the CLS-Biotechnology curriculum. Prerequisite: Senior status CLS-Biotech.

470. CASE STUDIES - 3 hours

This course is designed to provide senior CLS 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 Clinical 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 Clinical Laboratory Science. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topics to the Program Director.

481. ADVANCED CLINICAL IMMUNOLOGY LABORATORY- 1 hour

Training and experience in immunologic procedures, including in-instrumentation. Prerequisites: Must be enrolled in senior year of Clinical Laboratory Science program.

490. INDEPENDENT RESEARCH STUDIES IN CLINICAL LABORATORY SCIENCE - 3 hours

Independent studies under the guidance of the Clinical 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.

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, 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.

+ = Critical Thinking

O = Technology

COMMUNICATIONS

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.

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.

O 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 - 4 hours

Lectures and exercises designed to introduce the student to the principles on single camera ENG/EFP production. Topics cov-

ered include: writing, producing, lighting and editing techniques. The course requires substantial time in the editing lab.

231-232. NEWS WRITING AND REPORTING I & II - 3 hours each

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, but students enrolled in Part II are introduced 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.

! 241. 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.

242. INTRODUCTION TO 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.

243. ACTING AND STAGE TECHNIQUES - 4 hours

Study and practice in fundamentals of acting, including voice and movement, stage terminology and awareness, based upon the Stanislavski actor training system.

245. THEATER PRACTICUM - 1 hour

Practical skills developed in backstage work running crews for major COM theatrical productions, excluding acting. Course may be repeated with the consent of the instructor.

278. SPECIAL TOPICS - 1-3 hours

A course category for selected topics in the general field of Communication and Theater Arts. 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. 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.

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.

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.

328. ON-CAMPUS INTERNSHIP IN RADIO - 2 hours

Students will be given specific responsibilities on the campus radio station. Prerequisites: COM 223 or COM 224 or COM 225.

329. ON CAMPUS INTERNSHIP IN TELEVISION - 2 hours

Students will be given specific responsibilities in the campus television studio. 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

+ = Critical Thinking

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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.

335. FEATURE BROADCAST AND PRODUCTION - 3 hours

An advanced study in field production with an emphasis on the shooting and editing a continuing feature program for tape delay cable broadcast. Students use A/B roll computerized timecode editing and both signal and multi-camera field shooting techniques. Students must be concurrently enrolled in COM 336. Prerequisite: COM 225..

336. FEATURE WRITING FOR BROADCAST - 3 hours

An intensive experience in writing full-length television scripts for actual broadcast. Students must be concurrently enrolled in COM 335. Prerequisites: COM 231 and 232.

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.

340. DRAFTING FOR THEATER - 3 hours

Drafting technique and building problems.

341. HISTORY OF THE THEATER - 3 hours

A history of theater focused primarily on Western theatrical production and drama from the Greeks through the 20th century, with some attention paid to Asian and other non-Western theater and drama.

342. PLAYWRITING - THE ONE ACT PLAY - 3 hours

Principles of dramatic construction and practice in the writing of one-act plays. Prerequisite: ENG 102.

343. VOICE FOR THE STAGE - 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.

345. 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.

346. MAKEUP FOR THE STAGE - 3 hours

An entry level study of the materials and principles governing the theory and practice in design and application of stage makeup.

347. STAGECRAFT - 4 hours

Ongoing study of scenery construction, properties, scene painting and stage lighting. Students will do specialized work in one aspect of play production. Some evening and weekend meetings—as production requires. May be repeated for credit providing specialization area changes. Prerequisite: COM 242.

349. ON CAMPUS INTERNSHIP IN THEATER - 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.

401. COMMUNICATION THEORY - 3 hours

The study of various communication theories as they apply to individuals and the larger society.

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. Prerequisites: COM 231 and 232.

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.

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. Prerequisite: COM 325.

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.

+ = Critical Thinking

O = Technology

**438. PROFESSIONAL INTERNSHIP:
THEATER - 3 hours**

A supervised observation experience program in which the student is assigned to an area of his or her specialization in an off-campus professional theatre. Prerequisite: Consent of the instructor.

**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.

441. CONTEMPORARY DRAMA - 3 hours

Reading and discussing plays from the modern era. Study of production techniques.

442. STAGE LIGHTING - 3 hours

Lecture and Laboratory. A study of the mechanics and maintenance of theatrical lighting instruments with an introduction to lighting design. Prerequisite: COM 347.

443. 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. Prerequisite: COM 243.

445. ADVANCED ACTING - 3 hours

An advanced study and practice of acting techniques.

446. SCENIC DESIGN - 3 hours

Discussion of the principles governing the theory and practice of scenic design. Emphasis on script evaluation, concept building, and rendering technique. Prerequisites: ART 104, 110, 160, 210; COM 340.

**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.

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 anytime. Student requests require approval of the instructor, department chairperson, and school 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.

COMPUTER INFORMATION SYSTEMS

100. BASIC KEYBOARDING - 1 hour

A computer-based program designed to develop required computer keyboarding skills of 35 words per minute net. A timed skill measurement will be given at the end of the eight-week period. Proficiency testing is an option. The course is offered on a pass-fail basis.

270. INTRODUCTION TO COMPUTER SYSTEMS - 1 hour

A beginning computer literacy course introducing computer terminology and theory. This lecture course introduces students to computer usage in contemporary America, including business and industry, and in basic computer and information systems concepts and terminology.

O 271. PRACTICAL COMPUTER APPLICATIONS - 3 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 COLLEGE-WIDE.

272. WORD PROCESSING APPLICATIONS - 2 hours

Word processing concepts and practical applications including editing, formatting and enhancing documents, advanced features such as outlines, tables/charts, headers/footers and file management.

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.

O 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 microcomputer software. Topics include advanced

word processing, advanced spreadsheets, presentation management, operating systems and the Internet. 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 school 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.

+ = Critical Thinking

O = Technology

CRIMINAL JUSTICE

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 I: HISTORY AND CAUSES OF CRIMINAL BEHAVIOR - 3 hours

Study of the major theories of criminal behavior, patterns of crime and strategies for social control.

237. CRIMINAL II: DEVIANT BEHAVIOR AND SOCIAL CONTROL - 3 hours

Study of the nature of social control processes, informal means of social control, the nature of formal social control, and patterns and theories of deviance.

238. JUVENILE DELINQUENCY AND JUVENILE JUSTICE - 3 hours

Conduct, causes, and extent, current methods of treatment correction and prevention.

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 systems approach to the study of current institutional correctional systems, written and oral communications, and operational procedures for prisons and jails.

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).

Courses CJ 311 through 316 are not normally taught at WLSC as a part of the regular WLSC 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 WLSC'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 con-

stitutes 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. Prerequisite: CJ 303.

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.

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).

480. CONTEMPORARY LAW ENFORCEMENT - 3 hours

A systems approach to the study of current law enforcement systems, written and oral communications and operational proce-

+ = Critical Thinking

O = Technology

dures. Prerequisite: Junior or Senior standing.

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.

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.

485. SENIOR SEMINAR IN CRIMINAL JUSTICE- 3 hours

The "Capstone" course of the criminal justice (CJ) program. Requires a comprehensive examination of technical core subjects and focuses on the student's preparation for entry-level employment in criminal justice (law enforcement, corrections, probation, parole. Senior-level criminal justice majors with approval of chair. Prerequisites: All CJ core courses completed except CJ 483.

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.

DENTAL HYGIENE

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

Study of anatomy, physiology, histology and embryology of the head, neck and oral cavity.

156. TOOTH MORPHOLOGY - 2 hour

A study of the deciduous and permanent dentition, including morphology, eruption, function and occlusion.

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, 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 in

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 photography.

238. RADIOGRAPHY LAB - 1 hour

Practical laboratory experience in exposing x-ray films and digital sensors on mannequins 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. Importing digital radiographs in patient digital charts 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 compre-

hensive dental hygiene care plan and delivery of appropriate treatment. The recognition, evaluation and management of medical emergencies are emphasized. CPR certification is a prerequisite. 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.

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.

+ = Critical Thinking

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350. PHARMACOLOGY AND 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 her 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.

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• 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

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.

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 sonic and ultrasonic scalers is introduced. Chemotherapeutic

agents and oral irrigation techniques for the treatment of the periodontally involved patient is emphasized. Dental implant, implant-borne prostheses care and the periodontal screening record (PSR) is presented. 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 principles of practice management, preventive maintenance systems, alternative career options and technology in dentistry. Issues relating to oral maxillofacial surgery, cleft lip/palate, child abuse, chemical dependencies, and smoking cessation 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

● = International/Global Perspective

! = Cultural Diversity

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 a series of 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 285 and DH 286.

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 and 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. Development and design of a research project and an oral presentation is included.

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

+ = Critical Thinking

O = Technology

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

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.

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 school 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

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.

🌐 = International/Global Perspective

🌍 = Cultural Diversity

+ 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 operation 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. Prerequisites: ECON 101 and 102. Not open to Economics majors or minors.

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 and 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.

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 and 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 300 and 306.

• 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 and 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 and 102.

+ = Critical Thinking

O = Technology

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 school 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

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. **Twelve (12) hour field based experience included.** 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. **Thirty (30) hour field experience in an approved school setting included.** Minimum grade of "C" required.

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.

O 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.

+ 301. EDUCATIONAL PSYCHOLOGY - 4 hours

A study of learners and the learning process, this course includes principles of learning theory and its application to the classroom. **Thirty (30) hour field experience in an approved educational setting included.** Prerequisites: EDUC 100, EDUC 201. Letter grade of "C" or better required.

☛ = International/Global Perspective

! = Cultural Diversity

303. FIELD EXPERIENCE: LEARNING AND THE LEARNER - 1 hour

This course consists of 30 clock-hours of clinical and field experience in which the potential teacher is placed in her or his teaching specialization subject area in two programmatic levels. At least one placement is high diversity. FOCUS is Teacher As A Catalyst (TAAC) in relation to learning and the learner. Prerequisites: EDUC 100, 201, 301, achievement of required GPA, passed Praxis I (PPST) tests. Minimum grade of "C" required.

308. CLASSROOM ORGANIZATION AND MANAGEMENT - 2 hours

A competency-based course, which utilizes role-playing, discussion, and other active modes of inquiry to explore a positive approach to classroom management. Prerequisites: EDUC 100, 201, 301. Open to all education majors. Minimum grade of "C" required.

! 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.

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 GPA 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 GPA 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 GPA 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, 5-8, 9-12. Includes a field experience in an approved setting. Prerequisites: Admission to Professional Education (This includes passing all three PPST tests and achieving an overall GPA 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 GPA of at least 2.50), EDUC 301. To be taken prior to the Professional semester. Minimum grade of "C" required.

+ = Critical Thinking

O = Technology

392. MODELS OF TEACHING, LEARNING, PLANNING, AND MANAGEMENT FOR MIDDLE AND SECONDARY EDUCATION - 3 hours

A research based course which focuses on adolescent development and psychology as related to teaching, learning, planning, and management in middle and high school classrooms. Emphasis is given to the development characteristics of adolescent learners and to managing the learning environment, including the student behavior.

Thirty (30) hour field experience in an approved school setting included. Prerequisites: Admission to Professional Education (This includes passing all three PPST tests and achieving an overall GPA of at least 2.50 and EDUC 290). Minimum grade of "C" or better is 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 audio-visual machines producing teacher-made visual materials and operating microcomputers. This course may be substituted for EDUC 290 in the Professional Education curriculum. 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 TEACHERS – 3 hours

A course for elementary 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, so-

cial, and career applications of the sciences. Prerequisites: Admission to Professional Education (This includes passing all three PPST tests and achieving an overall GPA of at least 2.50). Grade of "C" or better required.

461. MATH METHODS AND MATERIALS FOR ELEMENTARY 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: Admission to Professional Education (This includes passing all three PPST tests and achieving an overall GPA of at least 2.50). Minimum grade of "C" required.

462. SOCIAL SCIENCE METHODS AND MATERIALS FOR ELEMENTARY 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: Admission to Professional Education (This includes passing all three PPST tests and achieving an overall GPA of at least 2.50). Minimum grade of "C" required.

463. SENIOR FIELD EXPERIENCE IN ELEMENTARY EDUCATION – 1 hour

A course for elementary education majors. To be scheduled during the methods and materials block. Students will participate in a minimum of two weeks (full-day) field experience in an elementary school. This experience is coordinated with the methods

courses in reading, language arts, mathematics, science, and social studies. Prerequisites: Admission to Professional Education (This includes passing all three PPST tests and achieving an overall GPA of at least 2.50). 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 school dean.

480. STUDENT TEACHING IN EARLY CHILDHOOD EDUCATION – 1-4 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 – 1-4 hours

The student teaching course. Prerequisites: Completed all published requirements for eligibility.

495. TEACHING WORKSHOP (Grades K-4, 5-9, 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.

+ = Critical Thinking

O = Technology

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 ON PAGE 267.

Early Education

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. ORGANIZATION AND ADMINISTRATION OF EARLY EDUCATION - 3 hours

Introduction and analysis of current trends in the organization and administration of early education with emphasis on child development at the preschool and kindergarten levels. This course reviews the variety of philosophies, goals and organizational structures available in the field of early education. Field observations are required. Minimum grade of "C" required.

301. EARLY CHILD DEVELOPMENT - 3 hours

This course provides a foundation in child development. The focus is on research-based principles and theories that have practical application for parents and child care workers of children aged 0 to 6. Biological, cognitive and socioemotional processes are introduced. A letter grade of "C" is required for EED students.

330. EARLY EDUCATION CURRICULUM I - 3 hours

A study of curriculum and instruction, instructional design and assessment, and pro-

gram management appropriate for the various developmental tasks faced by preschool and kindergarten children. Field experience is required. Prerequisite: EED 280.

380. EARLY EDUCATION CURRICULUM II - 2 hours

Application of concepts through field placements in various PreK-K environments. Emphasis will be placed on developing and implementing activity plans, design and selection of appropriate materials, and assessing student achievement. Prerequisites: Admission to Professional Education (This includes passing all three PPST tests and achieving an overall GPA of at least 2.50), EED 280 and EED 330. Minimum grade of "C" required.

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 school 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 330, EED 380.

Special Education

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. 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

 = International/Global Perspective

 = Cultural Diversity

further encouraged to recommend topical items to the department chairperson.

320. COLLABORATIVE PLANNING, INSTRUCTION AND ASSESSMENT OF SECONDARY STUDENTS WITH SPECIAL LEARNING NEEDS - 3 hours

This course focuses on methods of collaboration in the regular educational environment as related to planning, instruction, and assessment 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, EDUC 201.

341. CHARACTERISTICS OF THE MILDLY/MODERATELY IMPAIRED (MI, LDI BD) - 3 hours

Psychological characteristics of the mildly/moderately impaired client. Emphasis is placed on PL 94-142, etiology, historical, social, educational, vocational, and familial impact of the MI, LD, BD client. Prerequisite: SPED 241. Minimum grade of "C" required.

343. CURRICULUM, METHODS, AND ASSESSMENT FOR THE MI CLIENT - 3 hours

This course examines assessment, modified curriculum, and classroom teaching strategies for mildly and moderately mentally impaired learners. Emphasis is placed on the development of individualized educational plans and corresponding strategies and activities. Includes a thirty-two hour field experience in an approved public school setting. Prerequisites: Admission to Professional Education (This includes passing all three PPST tests and achieving an overall GPA of at least 2.50), SPED 241 and SPED 341. Minimum grade of "C" required.

345. OCCUPATIONAL AND RECREATIONAL TRAINING FOR THE MILDLY/MODERATELY IMPAIRED (MI, LD, BD) - 3 hours

Development of competency in instituting and maintaining transitional programs to assist the MI, LD, BD client 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 THE BD / EH - 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. Includes a thirty-two hour field-based experience in an approved setting. Prerequisites: Admission to Profession Education (This includes passing all three PPST tests and achieving an overall GPA of at least 2.50), SPED 241 and SPED 341. Minimum grade of "C" required.

349. CURRICULUM, METHODS, AND ASSESSMENT FOR THE LD CLIENT - 3 hours

Assessment techniques, writing IEPs, choosing appropriate learning objectives in appropriate curricular areas are included. Construction of materials, test administration, and field experience are course components. Includes a thirty-two hour field-based experience in an approved setting. Prerequisites: Admission to Profession Education (This includes passing all three PPST tests and achieving an overall GPA of at least 2.50), SPED 241 and SPED 341. Minimum grade of "C" required.

351. PRE-SCHOOL 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 - 3 hours

Characteristics, techniques, and knowledge are components of this course designed to assist the teacher to work effectively to meet

+ = Critical Thinking

O = Technology

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.

355. CURRICULUM AND METHODS FOR LEARNING DISABILITIES AND MENTAL IMPAIRMENTS - 4 hours

Classroom teaching Strategies, curriculum design, and assessment techniques for mildly 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 thirty-hour field experience in an approved public school setting. Prerequisites: Admission to Professional Education (This includes passing all three PPST tests and achieving an overall GPA of at least 2.50), 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. CLASSROOM MANAGEMENT, TECHNIQUES AND PRACTICUM FOR MILDLY/MODERATELY IMPAIRED (MI, LD, BD)- 3 hours

Effective management and teaching techniques are described, observed and implemented; field experience will be required. Includes a 24-hour field-based experience in an approved setting. Prerequisites: SPED 241, 341. Minimum grade of "C" required.

412. COLLABORATIVE PLANNING, INSTRUCTION AND ASSESSMENT OF ELEMENTARY STUDENTS WITH SPECIAL LEARNING NEEDS - 3 hours

This course focuses on methods of collaboration in the regular educational environment as related to planning, instruction, and assessment 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 elementary education majors during the Methods and Materials Block. Prerequisites: EDUC 290, EDUC 301, READ 210, READ 312, admission to Professional Education.

440. INSTRUCTION OF LEARNERS WITH EXCEPTIONALITIES - 1-3 hours

A study of all areas of exceptionalities: Physical, intellectual, emotional and social emphasis will be placed on meeting the special needs of the exceptional students within the regular classrooms through identification and evaluation techniques, planning and teaching strategies and material selection of instruction. Prerequisite: Concurrent with student teaching.

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.

501. AUTISM I: CHARACTERISTICS OF AUTISM - 3 hours

This graduate level course provides an overview of autism including the characteristics of individuals with autism, tools used to diagnose autism, and common behavior characteristics associated with autism. This course includes a 30-hour field experience with autistic clients in an approved setting. Prerequisites: Teaching certification in behavior disorders or multi-categorical special education or permission from the chair of the Department of Professional Education.

502. AUTISM II: AUTISM ASSESSMENTS AND INTERVENTIONS - 3 hours

This graduate level 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. Prerequisites: Teaching certification in behavior disorders or multi-categorical special education or permission from the chair of the Department of Professional Education.

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.

Reading

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.

311. LANGUAGE ARTS AND PRACTICUM IN EARLY CHILDHOOD AND ELEMENTARY EDUCATION - 3 hours

Study of the methods and materials in teaching and evaluating the communication skills of listening, speaking, writing, viewing, and thinking. Also covered are the tools of the effective communicator: handwriting, spelling, grammar and mechanics. Includes a practicum experience in an elementary classroom. To be taken concurrently with READ 312. Prerequisites: EDUC 100, 201, and READ 210. Minimum grade of "C" required. Praxis I (PPST) tests must be passed prior to enrollment. Admission to Teacher Education.

312. DEVELOPMENTAL READING AND PRACTICUM - 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 201, 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, writ-

+ = Critical Thinking

O = Technology

ing, 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 201, 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.

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. Stu-

dent 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

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.

+ O 101. FRESHMAN ENGLISH I - 3 hours

Fundamentals of expository writing using various rhetorical forms including argument and persuasion; the writing process; research techniques of proper quotation, paraphrase, summary, and documentation; review of grammar, punctuation, and sentence structure. A minimum grade of "C" is required for graduation.

+ O 102. FRESHMAN ENGLISH II - 3 hours

A continuation of English 101, with extensive practice in various kinds of expository writing, including writing the research paper, with an introduction to literary types and writing about literature. A minimum grade of "C" is required for graduation. Prerequisite: "C" or better in Freshman ENG 101.

204. ENGLISH LITERATURE - 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 - 3 hours
American writers from Colonial days to 1860 with emphasis upon the Romantics, some reference to world influence.

214. ENGLISH 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.

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 on 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. OLD TESTAMENT LITERATURE - 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 LITERATURE - 3 hours

Significant works of the 16th Century, exclusive of Shakespearean drama, by More, Sidney, Lyly, Marlowe, Kyd, and others.

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.

! 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.

+ = Critical Thinking

O = Technology

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, analyse, and evaluate a variety of young adult literature. Prerequisites: ENG 101 and ENG 102.

322. THE SEVENTEENTH CENTURY - 3 hours

The English poems of John Milton; selections from the prose; survey of cavalier and metaphysical poetry and major works prior to the Restoration.

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: "C" or better in 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: "C" or better in 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 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 and Steele, and others.

390. ROMANTIC PERIOD - 3 hours

Poetry of Wordsworth, Coleridge, Shelley, Keats, and Byron.

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.

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 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

British and American writers from 1925 to the present. Golding, McCullers, Waugh, Baldwin, Malamud, Ellison and others.

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 school dean.

- **490. WORLD LITERATURE I - 3 hours**

Non-English and non-Western literature in translation from ancient, medieval, and renaissance cultures, including Greek, Hebrew, Roman Indian, Chinese, Japanese, African, French, German, Italian, and others. Attention given to the epic, drama, romance, folklore, lyric, satire, and biography.

- **492. WORLD LITERATURE II - 3 hours**

Non-English and non-Western literature in translation from the Neoclassic through the Contemporary period, including French, Russian, German, Italian, Norwegian, Japanese, Chinese, Indian, African, and others.

495. ENGLISH LIBERAL ARTS SENIOR SEMINAR I - 1 hour

Measures the accomplishments of English Liberal Arts majors with a portfolio, 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.

FINANCE

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. Prerequisites: ACC 222 and 223 or ACC 224 and 225.

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: ECON 300. Spring semester, even-numbered years.

310. INVESTMENT ANALYSIS – 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. Prerequisites: ACC 222 and 223 or ACC 224 and 225. Fall semester, even-numbered years.

311. PORTFOLIO MANAGEMENT – 3 hours

Investment and analysis for the financial professional and financial institution. The systematic selection, assessment, and ranking of corporate securities in a portfolio

+ = Critical Thinking

O = Technology

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.

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. Prerequisite: GBUS 140.

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

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

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 school 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 school 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 school dean.

GENERAL BUSINESS

+ 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. Open to freshmen and sophomores only.

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.

🌐 = International/Global Perspective

🌍 = Cultural Diversity

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 or 145.

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.

322. BUSINESS COMMUNICATIONS - 3 hours

A course designed to develop both written and oral business communication skills. Business writing includes letters, memoranda, e-mail and reports. An individual oral presentation, using presentation management software, is required. Prerequisites: One year of freshman English and CIS 271.

! 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 multi-nationals on the U.S. economy, and career issues. Prerequisite: GBUS 140.

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, corpo-

rations, 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 school 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 WLSC 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 sell-

+ = Critical Thinking

O = Technology

ing 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.

490. PROFESSIONAL DEVELOPMENT SEMINAR - 1 hour

A finishing course, required for all senior business majors, that focuses on approaches to interviewing, professional dress, business etiquette, social protocols, networking, and other important career-oriented topics. Prerequisites: Senior Status. This course is offered on a pass/fail basis.

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 commercialization 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

• 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.

• = International/Global Perspective

! = Cultural Diversity

➤ **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.

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.

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.

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.

○ **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: GEO 302 and MATH 160 .

404. URBAN GEOGRAPHY - 3 hours

Basic understanding of the development, function, and spatial interaction of cities in the world.

405. CONSERVATION OF NATURAL RESOURCES - 3 hours

The nature, interrelationships, and factors that influence human use of natural resources.

○ **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 enhanced interpretation of digital images and spatial analysis methods are explored.

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 cli-

† = Critical Thinking

○ = Technology

mates, with emphasis on regional distribution. Basic techniques in handling climatic data.

450. GEOGRAPHIC RESEARCH - 3 hours

Provides students with an introduction to qualitative and quantitative research principles and methods as they are applied in geography. Students will conduct research under faculty supervision. Prerequisites: MATH 160 and SS 250.

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.

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.

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.

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.

GERMAN

101. BEGINNING GERMAN I - 3 hours

Introduction to the sounds and to the basic language patterns, for the purpose of understanding and communicating in spoken and written German. Includes introduction to German culture.

102. BEGINNING GERMAN II - 3 hours

Continuation of the sounds and basic language patterns for the purpose of understanding and communicating in spoken and written German. Introduction to German culture. Prerequisite: GER 101.

201. INTERMEDIATE GERMAN I - 3 hours

Continuing development of the ability to comprehend and communicate in German. Prerequisites: GER 101, 102.

202. INTERMEDIATE GERMAN II - 3 hours

Continuing development of the ability to comprehend and communicate in German. Students may elect to pursue their interest in either (1) listening-speaking activities or (2) German readings. Prerequisites: GER 101, 102, 201.

GERONTOLOGY

100. PERSPECTIVES ON AGING - 2 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.

🌐 = International/Global Perspective

🌍 = Cultural Diversity

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.

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: Admission to the nursing program.

280. CLINICAL ASPECT OF DEMENTIA CARE - 3 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 may 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.

+ = Critical Thinking

O = Technology

HEALTH EDUCATION

250. INTRODUCTION TO HEALTH - 3 hours

An exploration of the concepts; health, health as a quality of life; a study of the health of the eyes, ears, nose, throat, skin and teeth; disease prevention and control; aspects of safety and accident prevention and control.

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.

310. MENTAL HEALTH - 2 hours

Examine the relationships among mental health, mental illness and optimum health. Offered spring semester only.

320. DRUG USE AND ABUSE - 2 hours

Study of 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; con-

sumer health, health careers; environmental health. To be taken concurrently with HE 362. Offered fall semester only.

362. PRACTICUM IN SCHOOL AND COMMUNITY PROGRAMS - 1 hour

An arranged field experience to provide participation in health agencies and school health programs. To be taken concurrently with HE 360. Offered fall semester only.

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 PROGRAM - 3 hours

A philosophical and historical foundation for the school health services and healthful school environment with aspects of health instruction. Offered spring semester only.

470. CURRENT HEALTH ISSUES SEMINAR - 2 hours

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 school dean.

HEALTH SCIENCES

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 - 2 hours

A course designed to explore the process of dying and the subsequent reaction experienced by individuals from various cultural and religious groups.

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 for CLS majors: Senior standing in the Clinical Laboratory Science Program. Prerequisites for basic nursing students: 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 specialties. Prerequisites: Open to biology pre-professional 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

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

Heritage of the Western and Non-Western past to 1500.

+ = Critical Thinking

O = Technology

• **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 1865 - 3 hours

Survey from colonial days through the Civil War; origins and development of national institutions.

211. HISTORY OF THE UNITED STATES II, SINCE 1865 - 3 hours

Continuation of History 210; survey from Reconstruction to the present.

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.

308. HISTORY OF THE ANCIENT WESTERN WORLD, TO 395 A.D. - 3 hours

Mediterranean civilization, stressing Greece and Rome.

309. MEDIEVAL HISTORY, 395-1305 - 3 hours

Institutional and intellectual development of Europe from the decline of the Roman Empire through the thirteenth century.

313. RENAISSANCE AND REFORMATION, 1305-1610 - 3 hours

Government, religion, philosophy, literature, and fine arts from the fourteenth through the sixteenth century.

317. EARLY MODERN EUROPE, 1610-1815 - 3 hours

The age of absolutism; the rise of rationalism; the Enlightenment; the French Revolution; the Napoleonic Era; equal stress on political, cultural, and social development.

318. NINETEENTH CENTURY EUROPE - 3 hours

European History from the Treaty of Vienna to World War I; growth of liberalism, nationalism, socialism, and imperialism.

319. TWENTIETH CENTURY EUROPE - 3 hours

Europe since World War I: crisis of democracy, growth of Communism and Fascism, World War II, and contemporary social, political, economic and diplomatic problems.

331. ORIGINS OF THE ENGLISH NATION, to 1688 - 3 hours

Medieval, Tudor, and Stuart England; constitutional development, religious settlement, the Revolution, and background to colonization of America and the Empire.

333. HISTORY OF MODERN ENGLAND, SINCE 1688 - 3 hours

Development of parliamentary democracy and industrial civilization; growth and loss of the Empire; political and cultural relations with other nations.

337. MODERN GERMANY - 3 hours

Political, social, and cultural evolution of the German nation in the nineteenth and twentieth centuries.

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.

370. TRADITIONAL CULTURES OF ASIA, TO 1850 - 3 hours

Development of the distinctive forms of government, religion, and society of East and South Asia from ancient times to the beginnings of westernization.

372. MODERN EAST ASIA - 3 hours

China and Japan in the modern world; developments since 1850.

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.

401. AMERICAN COLONIAL HISTORY, TO 1763 - 3 hours

The rise of European nation-states and their American colonial empires, with special emphasis upon British North America, indigenous cultures, colonies, colonists, and slavery.

405. THE NEW NATION, 1763-1830 - 3 hours

The causes and effects of the American Revolution, and the evolution of the United States through the confrontations and compromises of nation-building from the Confederation Period through the Age of Jackson.

410. THE AMERICAN CIVIL WAR ERA, 1830-1876 - 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.

416. VICTORIAN AMERICA, 1876-1917 - 3 hours

Major political, economic, and demographic transformations: Populism, Progressivism, industrialization, urbanization, and race relations. Special emphasis on everyday life of late 19th and early 20th centuries.

420. THE UNITED STATES IN THE TWENTIETH CENTURY, 1917-1945 - 3 hours

Societal and institutional changes in the national experience of disillusioning world war, roaring prosperity, shattering economic depression, and a second global conflict.

421. THE UNITED STATES IN THE TWENTIETH CENTURY, SINCE 1945 - 3 hours

The United States from the postwar years to the postmodern age: the struggle to combat communism, the turmoil of the civil rights movement, the dissolution of the liberal consensus, and the resurgence of conservatism.

! 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.

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.

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.

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.

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.

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.

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 top-

+ = Critical Thinking

O = Technology

ics 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 various members of the faculty; may be offered at any time. Student requests require the approval of the instructor, department chairperson, and school dean.

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.

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

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 – 1-3 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.

HOSPITALITY AND TOURISM MANAGEMENT

300. INTRODUCTION TO HOSPITALITY AND TOURISM - 3 hours

A broad examination of hospitality and tourism including lodging, food services, destinations, gaming entertainment, meetings and conventions, and recreation. Each area is explored from an historic, economic, and social perspective. Current issues and trends are also examined including social responsibility in tourism development and ethical considerations in areas including hospitality employment, business practices, and a comparison of legal responsibilities to moral obligations.

316. FOOD SERVICE MANAGEMENT - 3 hours

The identification, solution, and prevention of problems in areas ranging from purchasing to sanitation, and including receiving and storing, menus, frozen foods, kitchen layouts, controls, training of employees, and communications. Prerequisites: MGT 350 and HTM 300. Spring semester, even-numbered years.

355. CONVENTION AND MEETING PLANNING - 3 hours

A study of strategic and logistical considerations in managing the planning, development, marketing and implementation of meetings, conferences and conventions. Prerequisite: MGT 350. Fall semester, even-numbered years.

401. HOSPITALITY LAW - 3 hours

Examines legal aspects of hotel and restaurant management. Uses case study approach to develop understanding of tort and

☛ = International/Global Perspective

! = Cultural Diversity

contract liability in the hospitality industry. Emphasis on a managerial approach to solving or avoiding potential problems while managing a business. Prerequisite: HTM 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. LODGING AND RESORT MANAGEMENT - 3 hours

An introduction to the management and operations of hotels, motels, resorts, parks, and casinos. Includes study of general administration, planning, staffing, and controlling. Prerequisite: MGT 350. Spring semester, odd-numbered years.

463. LODGING OPERATIONS MANAGEMENT - 3 hours

Fundamental duties and responsibilities of lodging operations including front-office procedures from reservations through check-out, property management systems, purchasing, cleaning and safety. Special emphasis placed on guest-employee relations. Prerequisite: HTM 300.

478. SPECIAL TOPICS - 1-3 hours

A course category for selected topics in the general field of Hospitality and Tourism 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 school dean.

490. HOSPITALITY AND TOURISM MANAGEMENT INTERNSHIP - 6 hours

On-the-job training and instruction in a travel or tourist related organization. Emphasis will be given to the appreciation of the basic principles of travel and tourism management.

ment. Prerequisite: Senior status and approval of Department Chairperson.

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.

MANAGEMENT

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. Prerequisite: GBUS 140.

351. PRODUCTION MANAGEMENT - 3 hours

Production problems that confront managers; developing operational plans; improving production processes; appraising relative risks. Prerequisite: MGT 350. Spring semester, odd numbered years.

+ = Critical Thinking

O = Technology

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.

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.

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. Prerequisite: MGT 364.

470. SPORTS MANAGEMENT AND MARKETING - 3 hours

A comprehensive look at the organizations in the world of sport and recreation including organizational structures found in amateur, professional, commercial and recreational sport, environmental concerns, administrative skills, as well as processes including budgeting, marketing, event staging and fundraising. Prerequisites: MGT 350, MKT 331. Fall semester, odd-numbered years.

471. SPORTS MANAGEMENT INTERNSHIP - 6 hours

Supervised on-the-job training (minimum of 450 hours) 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.

472. GOLF MANAGEMENT INTERNSHIP - 6 hours

A practical experience in a golf management setting, which will be arranged in cooperation with an appropriate golf-related facility. A total of 450 hours are required to complete the internship requirement. The student will be guided and evaluated by a business faculty member and the golf facility 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.

476. COMPENSATION MANAGEMENT - 3 hours

Comprehensive examination of contemporary compensation problems; wage and salary differentials; and administrative methods and analysis of compensation models. Prerequisite: MGT 350. Spring semester, odd-numbered years.

477. OFFICE MANAGEMENT - 3 hours

Organization and management of the business office, with emphasis on administration and effective control of modern office systems; information flow; work simplification; and cost reduction with output efficiency. 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 school 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 300. 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 (minimum of 450 hours) 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. Prerequisites: GERO 100, HS 370 and Senior Status or permission of Instructor.

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. Prerequisite: HS 370 and Senior Status or permission of Instructor.

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, pub-

+ = Critical Thinking

O = Technology

lic, 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. ADMINISTRATIVE POLICIES - 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

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. Prerequisite: GBUS 140.

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 re-

tailoring; the retail store; retail organization; buying, receiving, and pricing; sales promotion and customer services; retail control. Prerequisite: MKT 331. Fall semester, even-numbered years.

335. DIRECT MARKETING - 3 hours

A detailed study examining the basic principles of direct marketing; the media used, such as direct mail, catalogs, magazines, e-commerce and creative techniques. Prerequisite: MKT 331.

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.

337. BUSINESS LOGISTICS - 3 hours

The management of the flows of goods and services in profit - and nonprofit-oriented organizations. Activities include transportation, inventory management, order processing, acquisition, warehousing, materials handling, packaging, and product scheduling. Prerequisites: ECON 101, 102, and MKT 331.

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.

339. RETAIL MERCHANDISING - 3 hours

Retail buying and the principles, techniques, and problems encountered in merchandising control and mathematics of merchandising; fashion, style, and textiles as elements in selecting merchandise. Prerequisite: MKT 331.

340. CONSUMER BEHAVIOR - 3 hours

Examines underlying economic, sociological, and psychological factors which influence consumer behavior. Studies the im-

part of marketing activities on society, consumerism and legislation affecting the marketplace. 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.

425. E-COMMERCE - 3 hours

Electronic Commerce (E-Commerce) examines the process of electronically buying and selling goods, services and information using the Internet. This course includes electronic communication, collaboration and discovery of information. This course is delivered in two parts. Part I is lecture on the fundamentals of Electronic Commerce, terminology, consumer behavior and online market research. Part II utilizes computer applications to design online business-to-business models and Internet-based applications, strategies and implementation. Prerequisites: CIS 271, MKT 331. Spring semester, even-numbered years.

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 school dean.

485. MARKETING RESEARCH - 3 hours

Research methods and procedures used in the marketing process; particular emphasis is given to the sources of market data, sam-

pling, preparation of questionnaires, collection and interpretation of data, and preparation of research reports. Prerequisites: MKT 331 and GBUS 280 and 322.

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

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.

+ = Critical Thinking

O = Technology

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.

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: Satisfactory score on ACT test, ASSET test, or MATH 046.

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: 2 units high school algebra; 1 unit of high school geometry.

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.

O 171. INTRODUCTION TO COMPUTER PROGRAMMING - 1 hour

Elementary computer programming using a modern programming language. Topics include primitive data types, expressions, precedence rules, stream I/O, control structures, functions, and one-dimensional arrays. Emphasis on structured programming.

O 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 - 4 hours

Review of functions and graphs; limits; derivative and application; integral theory; exponential and logarithmic functions. Prerequisite: Content knowledge of MATH 145.

264. MANIPULATIVES IN MATHEMATICS - 1 hour

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.

**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.

**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, MATH 141, MATH 145.

**311. CALCULUS AND ANALYTIC
GEOMETRY II - 5 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. Prerequisites: MATH 210 and content knowledge of MATH 145.

**312. CALCULUS AND ANALYTIC
GEOMETRY III - 4 hours**

A continuation of MATH 211. Prerequisite: MATH 211.

**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 or 334.

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 107 or 210.

341. LINEAR ALGEBRA - 3 hours

An in-depth study of vector and matrix algebra and its application to systems of lin-

ear equations, linear spaces, linear mappings, and inner product spaces. Prerequisites: MATH 210 or equivalent.

349. NUMBER THEORY - 3 hours

Divisibility; Euclidean algorithm; primes; congruences; famous theorems; Diophantine equations; numerical functions. Prerequisite: MATH 145, or equivalent knowledge.

373. FINITE MATHEMATICS - 3 hours

Introduction to linear algebra, linear programming, mathematics of finance, counting techniques, probability, and elementary logic. Prerequisites: Content knowledge of MATH 145.

**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: MATH 171 and MATH 373 or equivalent.

**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 212 and MATH 175 or equivalent.

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 212 or equivalent.

† = Critical Thinking

O = Technology

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 212 (or concurrent with MATH 212) and MATH 374 or equivalent.

464. PROBABILITY AND STATISTICS - 3 hours

A study of random variables, probability distributions, statistical inference, linear regression, correlation analysis, and their applications. Prerequisites: MATH 212 (or concurrent with MATH 212).

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 212 or MATH 175 or equivalent.

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.

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.

MUSIC**103. EAR TRAINING I - 2 hours**

Development and coordination of visual, oral, aural, and writing skills in rhythmic, melodic and harmonic patterns. Meets three times per week.

104. EAR TRAINING II - 1 hour

Continuation of 103. Meets two times per week.

113. THEORY I - 2 hours

Basic acoustics; elements of music; simultaneous and consecutive relationships of sound and their notation; musical terminology. Meets two times per week.

114. THEORY II - 3 hours

Relationships of sound in tonal music; melodic contour, phrases; diatonic harmony, e.g. tertial structures, keys, functions, harmonic rhythm, nonharmonic tones, basic counterpoint related to harmonic choices, part-writing; analysis. Meets three times per week. Prerequisite: MUS 113.

! 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.

131. INTRODUCTION TO MUSIC LITERATURE - 2 hours

Significant musical compositions of various styles and periods with emphasis upon intelligent listening habits for music majors; assigned listening.

153. FUNDAMENTALS OF VOICE - 2 hours

Basic elements of vocal technique; practical experience in singing on the beginning level.

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.

203. EAR TRAINING III - 2 hours

Continuation of 104. Meets three times per week.

204. EAR TRAINING IV - 1 hour

Continuation of 203. Meets two times per week.

213. THEORY III - 2 hours

Continuation of 114; also chromatic harmony; all techniques of modulation. Meets two times per week. Prerequisite: MUS 114.

214. THEORY IV - 3 hours

Analysis of compositions which trace the stylistic evolution from high romanticism to the present. Meets three times per week. Prerequisite: MUS 213.

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.

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.

264. INSTRUMENTAL ORGANIZATION - 1-2 hours

Open to all students of the college.

265. CHORAL ORGANIZATION - 1-2 hours

Open to all students of the college.

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.

+ = Critical Thinking

O = Technology

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: LIVE AND STUDIO RECORDING - 3 hours

Covers studio and live recording techniques. ProTools HD, studio construction, microphones, acoustics, analog vs. digital, etc.

288. RECORDING TECHNIQUES II: EDITING AND MASTERING - 3 hours

Advanced recording techniques and independent projects. More emphasis on "post production," including digital signal processing and syncing sound to video.

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.

331. HISTORY OF MUSIC II - 3 hours

The development of music from the period of Bach and Handel to the present.

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 tech-

niques 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. Corequisite: Participation in a conducted West Liberty ensemble. Meets three times per week.

343. FUNDAMENTALS OF MARCHING BAND - 2 hours

Theory and techniques for the high school marching band program; corps style show designing and music analysis. Completion of a full marching band half-time show is required.

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. Corequisite: Participation in a conducted West Liberty ensemble in the student's area of emphasis (instrumental or choral). Meets three times per week.

346. MUSIC TECHNOLOGY FOR EDUCATION - 3 hours

Computer basics, notation basic MIDI, digital audio, productivity software, computer-aided instruction. MUS 346 substitutes for EDUC 290.

• = International/Global Perspective

! = Cultural Diversity

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.

364. INSTRUMENTAL ORGANIZATION - 1-2 hours

Open by audition to all students of the college.

365. CHORAL ORGANIZATION - 1-2 hours

Open by audition to all students of the college.

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.

387. ELECTRONIC MUSIC I: MIDI AND DIGITAL SYNTHESIS - 2 hours

History of electronic music (popular and "art" music, MIDI sequencing, garage band, logic, peak, sampling basics software instrument. etc.

388. MULTIMEDIA: ELECTRONIC MUSIC II - 2 hours

Students learn about live computer music including audio installations and "lap top

techno." Further use of software instrument including synthesis, sampling and sound design.

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.

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.

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.

452. MUSIC IN THE MIDDLE SCHOOL - 2 hours

A research-based course which focuses on adolescent development and psychology as related to teaching, planning, learning, and management of middle level music classes. Particular attention is paid to the unique nature of middle level non-performance music courses for all students, and the specific problems encountered by the changing voice of boys and girls during this transitional physical and emotional growth stage. Motivation and discipline of middle school students is also extensively studied. Minimum grade of "C" required. Open only to music majors. Prerequisite: MUS 214. Student must have passed all three Praxis I Tests (PPST). Includes 12 hours of field experience. Prerequisites: EDUC 100, MUS 214.

+ = Critical Thinking

O = Technology

453. MUSIC IN THE SECONDARY SCHOOL - 2 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.

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.

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.

491. MUSIC EDUCATION WORKSHOP - 1-3 hours

An activity course based upon the specific needs, interests, and problems of the participants.

NOTE:* Students must enroll in an appropriate choral or instrumental organization while taking conducting and choral technique courses.

APPLIED MUSIC INSTRUCTION

81 - 1 hour; 82 - 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

College level private study. All but 382 may be repeated for credit.

Private instruction is available in the following areas:

• **BRASS INSTRUMENTS** - Trumpet or Cornet, Horn, Trombone, Baritone, and Tuba.

• **WOODWIND INSTRUMENTS** - Flute, Oboe, Bassoon, Clarinet, and Saxophone.

• **PERCUSSION INSTRUMENTS**

• **KEYBOARD INSTRUMENTS** - Piano, Organ, and Harpsichord.

• **STRING INSTRUMENTS** - Guitar and Electric Bass.

• **VOICE**

Performing Organizations

The Music Department offers a wide selection of instrumental and choral performing organizations. A partial listing of these organizations includes:

Brass Ensemble

Jazz Ensemble

Chorus

Marching Band

Concert Band

Percussion Ensemble

Chamber Choir

Steel Band

Guitar Ensemble

Woodwind Ensemble

Jazz Combo

Membership in performing organizations is open to all qualified college 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

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 State College. Explores the concepts of personhood and health.

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; MATH 046 and ENG 101. Pre- or co-requisites: HS 101, BIO 212, NUR 200.

+ 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; BIO 212. NUR 210 must be taken concurrently with NUR 211, 246, and 250. Pre- or co-requisites: BIO 216 and BIO 214.

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; BIO 212. NUR 211 must be taken concurrently with NUR 210, 246, and 250. Pre- or co-requisites: BIO 216 and BIO 214.

246. NURSING: COMMUNITY HEALTH II - 1 hour

Emphasis on family theory and dynamics. Prerequisite: NUR 200, 201.

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.

! 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.

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; BIO 214, 216. NUR 306 must be taken concurrently with NUR 307. Pre or co-requisite: NUR 320, 336, and BIO 330.

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; BIO 214, 216. NUR 307 must be taken concurrently with NUR 306. Pre- or co-requisite: BIO 330, NUR 320, 336.

308. CASE STUDIES IN CHRONICITY - 2 hours

Application of concepts related to nursing care of persons experiencing chronicity.

320. PHARMACOLOGY - 3 hours

Basic concepts of pharmacology are presented with a focus on nursing responsibilities related to administration of medications. NUR 320 must be taken prior to or concurrently with NUR 306, 307.

340. HEALTH PROMOTION IN CRISIS - 5 hours

Concepts and principles related to health promotion and nursing care for persons experiencing crises related to health alter-

+ = Critical Thinking

O = Technology

ations experienced across the life span. Pre-requisites: NUR 306, 307, 320, 336. NUR 340 must be taken concurrently with NUR 341. Pre- or co-requisite: NUR 345.

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, 336. NUR 341 must be taken concurrently with NUR 340. Pre- or co-requisite: NUR 345.

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 standing in the nursing program.

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: Graduate of an approved RN program; initiation of validation examinations. NUR 390 must be taken concurrently with NUR 391.

391. ADVANCED HEALTH ASSESSMENT - 3 hours

This course focuses on the application of assessment to clinical practice with persons and families across the life span. Opportunities are planned for validation of the level of performance and clinical judgment of RN students in clinical practice. Prerequisite: Graduate of an approved RN program.

400. COMMUNITY HEALTH NURSING - 3 hours

Study of concepts and principles related to health promotion and nursing care of persons, groups, and aggregate populations in community settings. Prerequisites: NUR 390 and 391. To be taken concurrently with NUR 401.

401. CLINICAL NURSING: COMMUNITY HEALTH - 2 hours

Application of concepts and principles from NUR 400 in health care experiences in the community. This course requires an average of six contact hours weekly. This course is graded on a pass/fail basis. Prerequisites: NUR 390 and 391. To be taken concurrently with NUR 400.

404. COMMUNITY NURSING - 3 hours

This course will cover concepts related to community health nursing with emphasis on vulnerable populations.

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, 345. Pre- or co-requisite: NUR 435. NUR 430 must be taken concurrently with NUR 431.

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, 345. NUR 431 must be taken concurrently with NUR 430. Pre- or co-requisite: NUR 435.

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: For basic nursing students - NUR 435; for RN students - NUR 400 and 401.

450. MANAGEMENT IN NURSING - 3 hours

Concepts and principles of management as applied in nursing practice. Prerequisites: Graduate from an approved RN program. NUR 450 must be taken prior to or concurrently with NUR 481.

461. SENIOR NURSING REVIEW - 2 hours

Course is designed to assist seniors in reviewing junior level nursing content in preparation for the NCLEX-RN exam. One hour of lecture and three hours of computer laboratory learning each week. This course is graded on a pass/fail basis.

• **472. ISSUES OF NURSING - 3 hours**

Examines issues of nursing practice from legal, ethical, political, and socioeconomic perspectives. Prerequisites: NUR 210, 211, and 250 or 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

The culmination of clinical nursing courses with emphasis on the application of management principles to the care of groups of persons and to developing competence in nursing judgment and skill in a variety of settings under the direction of the faculty and supervision of a nurse preceptor. This course requires an average of twelve contact hours weekly. This course is graded on a pass/fail basis. Prerequisites: Basic students - NUR 430, 431, 435; RN students - NUR 400 and 401. Pre- or co-requisites: NUR 445 and 450. NUR 481 should be taken in the semester in which graduation requirements will be met.

issues such as human nature, language and thought, human freedom, moral standards, social change, ecology and science, belief in God.

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.

306. GREAT 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 sub-titles.

308. PHILOSOPHICAL PERIODS - 3 hours

Exploration and evaluation of selected important historical periods of philosophy. Period listed varies from ancient to contemporary and includes such specific periods as nineteenth century. Students may repeat the course for credit under different sub-titles.

+ **310. LOGIC (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.

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.

PHILOSOPHY

+ **201. INTRODUCTION TO PHILOSOPHY - 3 hours**

Philosophical examination of contemporary

400. INTERDISCIPLINARY PHILOSOPHY - 3 hours

Philosophical examination of the foundations of the selected discipline, including key concepts, methods, principles, presupposi-

+ = Critical Thinking

O = Technology

tions, 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 sub-titles.

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 school dean.

PHYSICAL EDUCATION

101. GENERAL PROGRAM IN PHYSICAL EDUCATION I - 1 hour

Required of all students. Students elect life-time 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 life-time 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 soccer, flag football, weight training, and basketball. Offered fall semester only.

109. TEAM SPORTS II - 2 hours

Skills and teaching methods in volleyball, track and field, and softball. Offered spring semester only.

113. FUNDAMENTALS OF RHYTHM AND DANCE I - 1 hour

A physical education course designed to provide instructional strategies and techniques in basic rhythm and dance instruction applicable to grades K-12. Offered spring semester only.

115. BEGINNER SWIM I - 1 hour

This course is designed to provide basic instruction in swim stroke technique and principals of aquatic safety.

117. INDIVIDUAL AND RECREATIONAL SPORTS - 1 hour

Skills and teaching methods in racquetball, wallyball, billiards, handball 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

● = International/Global Perspective

! = Cultural Diversity

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.

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.

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. GYMNASTICS /AEROBICS GROUP 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 basic tumbling and aerobic skills.

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

Beginning with birth through maturity with emphasis on school age children.

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.

+ = Critical Thinking

O = Technology

299. PRINCIPLES OF STRENGTH AND CONDITIONING - 3 hours

Scientific principles, theories and practical applications of strength and conditioning in athletic development, program and facility design and individual and group technique.

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 - 2 hours

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 AND MEASUREMENTS IN PHYSICAL EDUCATION - 2 hours

Review basic statistical procedures applied to evaluation in physical education. Identification and application of instruments and tests in physical education. Prerequisite: A math course; statistics recommended.

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.

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.

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.

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.

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.

360. HISTORY AND PHILOSOPHY OF PHYSICAL EDUCATION - 2 hours

Historical and philosophical development of sport and physical education. Offered fall semester only.

365. PSYCHOLOGY AND SOCIOLOGY OF PHYSICAL EDUCATION - 3 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.

+ = Critical Thinking

O = Technology

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. Prerequisites: BIO 212 or PE 240.

452. ADAPTED PHYSICAL EDUCATION I - 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.

454. PHYSIOLOGY OF 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. Prerequisite: PE 345. Offered spring semester only.

455. MODIFICATION OF EXERCISE - 2 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 recommen-

dations for exercise testing will also be discussed. Prerequisite: PE 345. Offered fall semester only.

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. Prerequisite: PE 345. Concurrent with PE 461. Spring semester only.

461. THEORY OF EXERCISE TESTING, PRESCRIPTION AND PROGRAMS LABORATORY - 2 hours

This course is designed to complement the lecture course (PE 460) and to familiarize the student with basic laboratory procedures and tests in Exercise Physiology, i.e., calibration; ergometry measure; anaerobic power; muscle strength; pulmonary function; oxygen consumption; resting and exercise heart rate, blood pressure and EKG; sub maximal and symptom-limited maximal exercise testing; body composition and exercise prescription. To be taken concurrently with PE 460. Prerequisite: PE 345. Offered spring semester only.

467. 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 school dean.

480. EXERCISE PHYSIOLOGY INTERNSHIP - 10 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. Four-hundred-eighty (480) contact hours with daily log recorded by the student are required. Prerequisite: All courses must be completed. GPA of 2.50 in minor, major, and overall and completion of minor component requirements prior to the internship.

481. EXERCISE PHYSIOLOGY PROJECT - 2 hours

This course consists of an independent laboratory research or special studies under the guidance of the instructor(s). It will include the formulation of an idea, the planning of a study, the collection of data and the analysis of data. A prospectus and written paper will be evaluated. A certification from a nationally recognized organization (i.e. ASCM, ACE, etc.) or other certification from a list provided by the instructor is also acceptable requirements. Concurrent with PE 480.

PHYSICS

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 corequisite: 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. Corequisite: PHYS 102.

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.

† = Critical Thinking

O = Technology

O 213. APPLICATIONS OF THE MICRO-COMPUTER 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.

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 SCIENCE FOR ELEMENTARY TEACHERS - 3 hours

An integrated lecture-laboratory course dealing with the physical science content often found within the elementary school curriculum. Open only to elementary K-6 and general science 5-9 students. Prereq-

uisites: MATH 106/107 or MATH 145/160 and PHYS 190/191.

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, structure of the galaxy. Laboratory supplements the lecture section. Three hours of class and two hours of laboratory per week.

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

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. NATIONAL GOVERNMENT - 3 hours

Historical background of American government; the Constitution; political processes; structure and procedures of government.

 = International/Global Perspective

 = Cultural Diversity

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.

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: POLS 101 or 201.

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.

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.

441. AMERICAN CONSTITUTIONAL LAW - 3 hours

See HIST 441.

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: 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: GPA of 3.0.

+ = Critical Thinking

O = Technology

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.

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.

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.

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 Washing-

ton, 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.

PSYCHOLOGY

201. GENERAL 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: PSYCH 201.

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. Prerequisites: PSYCH 201.

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: PSYCH 201 and SS 250.

🌐 = International/Global Perspective

👤 = Cultural Diversity

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: PSYCH 201.

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.

335. INTRODUCTION TO LEARNING - 3 hours

A survey of fundamental facts, principles, methodology, and conceptual framework involved in animal and human learning. Prerequisites: PSYCH 201, PSYCH 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: PSYCH 201.

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 PSYCH 335.

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: PSYCH 201 and SS 250.

409. HISTORY OF PSYCHOLOGY - 3 hours

A survey of historical figures and systems underlying the various theoretical and conceptual issues in psychology. Prerequisites: PSYCH 201 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: PSYCH 201.

419. APPLIED PSYCHOLOGY - 3 hours

A survey of the speciality areas in psychology that use psychological principles and methods to help solve human problems. Areas of study include clinical, health, sports, industrial/organizational, forensic, consumer, environmental, and community psychology. Prerequisite: PSYCH 201.

420. PSYCHOLOGY OF PERSONALITY - 3 hours

Theoretical structure of personality from various theorists in the field. Also assessment techniques. Prerequisite: PSYCH 201.

435. MOTIVATION AND EMOTION - 3 hours

A critical introduction to the study of motivation and emotion that reviews the major

+ = Critical Thinking

O = Technology

theories and empirical research in the area.
Prerequisite: PSYCH 201.

436. LABORATORY IN MOTIVATION AND EMOTION - 1 hour

An introduction to the study of motivation and emotion emphasizing the experimental approach. To be taken in conjunction with PSYCH 435.

437. COGNITIVE PSYCHOLOGY - 3 hours

The study of mental processes and activities used in perceiving, remembering, and thinking and their effects on behavior. Prerequisite: PSYCH 201.

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: PSYCH 201.

441. ABNORMAL PSYCHOLOGY - 3 hours

Physiological and psychological analysis of mental disorders and abnormal behavior. Prerequisite: PSYCH 201.

443. INTRODUCTION TO SCHOOL PSYCHOLOGY - 3 hours

An overview of psychological services provided to school districts including definition and in-depth examination of the diagnostic, consultant, and research roles of the psychologist. Prerequisites: PSYCH 201, PSYCH 225.

446. CLINICAL PSYCHOLOGY - 3 hours

An examination of psychology used in a clinical setting, discussion of clinical diagnosis and testing, psychotherapy techniques and community mental health. Prerequisites: PSYCH 201 and PSYCH 441.

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 PSYCH 201, PSYCH 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, PSYCH 201.

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 school dean.

RELIGION

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. OLD TESTAMENT LITERATURE - 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.)

! 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.

• 350. WORLD RELIGIONS - 3 hours

Founders, teachings, ethics, literature, divisions, contemporary trends in Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, Shinto, Zoroastrianism, Judaism, Christianity, Islam, and indigenous 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 school dean.

RUSSIAN

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.

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.

+ = Critical Thinking

O = Technology

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.

SAFETY EDUCATION

131. COMMUNITY CPR/FIRST AID - 1 hour

A presentation of common problems encountered in the initial care of the injured and sick. Emphasis is placed on evaluation and early care of the patient. American Red Cross Certification available.

132. PROFESSIONAL RESCUER CPR - 1 hour

Provides for instruction in basic life support and two-man cardiopulmonary resuscitation. American Red Cross Certification available.

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 and CPR techniques. 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.

278. SPECIAL TOPICS - 1-3 hours

A course category for selected topics in the general field of Safety and Drive 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.

478. SPECIAL TOPICS - 1-3 hours

A course category for selected topics in safety and driver 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 school dean.

SOCIAL SCIENCE

• **100. GLOBAL ISSUES: AN INTRODUCTION TO SOCIAL SCIENCE - 3 hours**

Issue-oriented interdisciplinary survey of the social sciences (psychology, political science, sociology, economics, and anthropology) stressing methodology, fundamental concepts, and policy applications.

250. STATISTICS IN THE SOCIAL AND BEHAVIORAL SCIENCES - 3 hours

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 201 or SOC 150 or POLS 101.

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 school dean.

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.

• = International/Global Perspective

! = Cultural Diversity

450. RESEARCH DESIGN - 3 hours

Empirical social science methods: design measurement and computer-assisted data analysis with the statistical package for the social sciences. The linkages among measurement, statistics, and interpretation of results in sociological, psychological, and political science studies will be explored. To be taken concurrently with SS 451. Prerequisite: MATH 160.

451. RESEARCH DESIGN LAB - 1 hour

Designed to introduce students enrolled in Research Design (SS 450) to the Statistical Package for the Social Sciences (SPSS). Although the focus is on the structure of the Windows environment of SPSS, applications to student research projects and basic statistical techniques will be discussed. To be taken concurrently with SS 450. Prerequisite: MATH 160.

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 school 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 school 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.

SOCIAL WORK**200. INTRODUCTION TO SOCIAL WORK - 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 systematically analysed. There will be an emphasis on current welfare structures and how to influence the development of social policy.

+ = Critical Thinking

O = Technology

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.

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.

308. CRISIS AND DISASTER INTERVENTION - 3 hours

This course focuses on crisis intervention theories as applied to suicide, rape, family violence, natural and man-made disasters and terrorism. The concentration will be the study of Disaster Mental Health/Field Traumatology as well as Critical Stress Incident Management. Prerequisites: SWK 200 and SWK 306.

400. SOCIAL WORK INTERVENTION WITH INDIVIDUALS AND FAMILIES - 3 hours

This is the first course in the social work intervention practice sequence which emphasizes the social work generalist model with individuals and/or families. Content will include problem identification, assessment, strategies for intervention, contracts and service evaluation. Prerequisites: SWK 200.

401. SOCIAL WORK INTERVENTION WITH GROUPS - 3 hours

This is the second course in the social work intervention practice sequence and continues the study of social work practice on a mezzo level concentrating on social work with groups. Content will include concepts, techniques, skills, theories, frameworks and principles of group work in a clinical setting. Prerequisite: SWK 200.

402. SOCIAL WORK INTERVENTION WITH COMMUNITIES AND ORGANIZATIONS - 3 hours

This is the third course in the social work intervention sequence and continues the study of social work practice on a macro level accentuating social work with

organizations and communities. Content will include theories and techniques utilized in organizations and communities, models of organizational and community practice, and the role of a social worker in a macro setting. Prerequisite: SWK 200.

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.

416. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT - 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 across their lifespan. Prerequisite: SWK 200.

441. DIAGNOSIS IN MENTAL HEALTH - 3 hours

This course will introduce the student to the clinical world for 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.

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 school dean.

480. PRACTICUM IN SOCIAL WORK - 6 hours

Students work in an agency. 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. An on-site supervisor and the faculty supervisor supervise the work done. Students verify activities by keeping a log throughout the semester. Prerequisites: Senior standing and approval of department chair.

484. SOCIAL WORK PRACTICUM SEMINAR - 3 hours

A seminar aimed at integrating classroom content with field education experiences, and furthering the development of sound social work practice skills. To be taken concurrently with SWK 480.

SOCIOLOGY

! 150. BASIC CONCEPTS OF SOCIOLOGY - 3 hours

Foundations of sociology; structure of society; major institutions; culture.

! 235. CULTURAL ANTHROPOLOGY - 3 hours

Introduction to cultural anthropology; evolution and organization of society; linguistics; cultural universals.

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 THE FAMILY - 3 hours

Examination of recent literature on marriage and the family; analysis of courtship cus-

toms, 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.

334. PHYSICAL ANTHROPOLOGY - 3 hours

Introduction to Physical anthropology; evolution of the human species; genetic, racial, and individual difference; biological behavior.

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.

369. SEXUALITY AND SOCIETY - 3 hours

Examines aspects of human sexuality in regard to cross-cultural, historical and societal expectations, socialization and reproduction. Emphasis is on social versus biological reality.

370. CORPORATE CULTURE AND FORMAL ORGANIZATIONS - 3 hours

An introduction to the scientific study of the organizations of society. Explores the rela-

+ = Critical Thinking

O = Technology

tionships among the structures, cultures and tasks of organizations and how their goals conflict or coincide with the goals of communities, families and individuals.

379. ALTERNATE LIFESTYLES - 3 hours

Sociological analysis of the beliefs, culture, and normative structure of various groups in the society whose way of life is atypical.

! 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.

415. THE AFRICAN-AMERICAN EXPERIENCE - 3 hours

An intensive study of the struggle for equal rights in America.

430. MEDICAL SOCIOLOGY - 3 hours

Familiarizes the student with the social concomitants (race, gender, age, geography) of health and illness and the social processes involved in epidemiology, etiology and treatments of illness.

440. SOCIOLOGICAL THEORY - 3 hours

Aquaints 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.

470. SEMINAR IN SOCIOLOGY - 3 hours

Selected topics based on contemporary issues in sociology. Prerequisites: SOC 150.

475. SENIOR PROJECT - 3 hours

A mentoring experience in a seminar setting for students nearing completion of the B.S. Sociology Program. Designed to help students evaluate their activities in sociology and to integrate their educational experiences.

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.

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.

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

101-102. BEGINNING SPANISH I-II - 3-3 hours

Intensive training in the four basic skills: comprehension, speaking, reading, and writing. 101 -102 are only offered first and second semesters respectively.

201-202. INTERMEDIATE SPANISH I-II - 3-3 hours

Review of 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. 201-202 are only

☛ = International/Global Perspective

! = Cultural Diversity

offered first and second semesters respectively.

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.

331. SURVEY OF SPANISH LITERATURE- 3 hours

A study of representative works: lectures, discussions, and outside reading. 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 reading. Conducted in Spanish. Prerequisite: A reading knowledge of Spanish. SPAN 302 is recommended.

351. SPANISH PRONUNCIATION - 3 hours

Phonetics and orthography, intensive study of formation and production of sounds and intonation, interpretative reading. SPAN 302 is recommended.

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.

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 school 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.

+ = Critical Thinking

O = Technology

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, 254 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, 254 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, 254.

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 speech 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 speech 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.

+ = Critical Thinking

O = Technology

ogy, 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.

WOMEN'S STUDIES

101. INTRODUCTION TO WOMEN'S STUDIES - 3 hours

Introduces students to the exploration of feminist theory and how it shapes our view of gender, culture, and society. The course includes a critique of existing disciplines with emphasis placed on how our lives are shaped by gender; women's contributions to society and culture, and the international roles of women.

400. SENIOR SEMINAR - 4 hours

A culmination of experiences in women's studies. Students will share and integrate their diverse course work in a seminar process. Will include an investigation of a relevant issue and a presentation of the student's project. Prerequisites: WMS 101 and 12 hours of electives.

GRADUATE COURSES Collaborative Masters Programs

EDUCATION – Master of Arts in Educational Administration: School Principal

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.

WLSC/WVU collaborative Master of Arts in Educational Administration – School Principal Program.

EDUCATION (EDUC)

500. ADVANCED EDUCATIONAL PSYCHOLOGY - 3 hours

A comparative introduction to the natural science of human behavior and the philosophical foundations of that science as related to education. Prerequisite: Admission to Masters Program.

501. CURRICULUM DEVELOPMENT - 3 hours

The study of the concepts underlying the school curriculum.

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.

512. SEMINAR IN EDUCATIONAL EVALUATION - 3 hours

This graduate level course is designed to provide students with the fundamental skills to evaluate educational progress at the individual, classroom, program, and school level.

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.

The following courses are required in the

● = International/Global Perspective

! = Cultural Diversity

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.

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.

578. SPECIAL TOPICS IN EDUCATION - 3 hours

This is a graduate level course that provides for the study of advanced topics in Professional Education. Prerequisites: Admission to West Liberty as a graduate student, permission of instructor.

579. SPECIAL PROBLEMS IN EDUCATION - 3 hours

This is a graduate level course that provides for the study of advanced topics in Professional Education. Prerequisites: Admission to West Liberty as a graduate student, permission of instructor.

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. PUBLIC SCHOOL ORGANIZATION AND ADMINISTRATION - 3 hours

This course provides an overview of social and educational philosophies and concepts which are basic to understanding the expectations, tasks and administrative methods for those in leadership roles in public school education. Prerequisite: Admission to Masters Program.

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 enhance the purpose of schooling: teaching and learning. Prerequisite: Admission to Masters Program.

520. HUMAN RESOURCE MANAGEMENT - 3 hours

This course examines policies and procedures for the recruitment, selection, orientation, development, and evaluation of a variety of personnel in an educational organization.

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. SCHOOL 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

+ = Critical Thinking

O = Technology

decisions. Prerequisite: Admission to Masters Program.

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. Prerequisite: Admission to Masters Program.

595. SITE BASED LEADERSHIP - 3 hours

by social, economical, political and technological forces.

Master of Science in Nursing with Emphasis in Nursing Education

The Marshall University College of Nursing and Health Professions and West Liberty State College will collaboratively deliver the MU Master of Science in Nursing degree. The MSN-Nurse Educator will prepare graduates for practice as nursing educators in academic and clinical settings. The primary focus of the curriculum is development of knowledge and skills essential to practice nursing education.

The following courses will be required in the Master of Science in Nursing degree program.

COMPUTER INFORMATION SYSTEMS (CIS)

500. COMPUTING AND INSTRUCTIONAL DESIGN - 3 hours

An analysis of current systems of educational computing based on models of instruction, learning modalities and desired learning outcomes.

NURSING (NUR)

502. THE THEORETICAL FOUNDATIONS IN NURSING - 3 hours

Provides students with the opportunity to relate a philosophical and theoretical base to concepts and processes inherent in nursing. Emphasis is on analysis of nursing theories and their relationship and application to research and practice.

504. NURSE LEADERSHIP IN HEALTH CARE SETTINGS - 3 hours

Explores the theoretical basis for effective nurse leadership in health related settings. Emphasis is placed on analysis of leadership, its components and the role of the leader. Concepts such as decision-making, organizing, delegation, motivation, communication and power are examined to enhance understanding of human behavior in organizations.

**506. ADVANCED NURSING RESEARCH
- 3 hours**

Provides the opportunity to develop a research approach to nursing situations. Focus is on the development of a research proposal. Prerequisite or Co-requisite: NLJR 502.

508. ISSUES IN HEALTH CARE - 3 hours

Explores and evaluates concerns germane to contemporary nursing. Focus is upon the role of nursing in addressing health issues affected by social, economical, political and technological forces.

516. CURRICULUM DEVELOPMENT IN NURSING - 3 hours

Introduces students to the various components in the curriculum development process. Emphasis is placed on philosophy, objectives, curriculum designs and total program evaluation. Factors that influence curriculum development, implementation, evaluation and nursing curriculum patterns are examined. Prerequisite or Co-requisite: NUR 502.

518. TEACHING IN NURSING - 3 hours

Investigates the responsibilities of the educator in contemporary nursing. Emphasis is upon the instructional process. The student is provided with the opportunity to practice the role of the teacher in a variety of educational experiences. Prerequisite: NUR 516.

519. PRACTICUM: TEACHING IN NURSING - 3 hours

Guided experience in didactic teaching of nursing, clinical teaching, supervision and evaluation of students.





Faculty and Administration

● = International/Global Perspective

! = Cultural Diversity

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 State College.

ADAMS, CAROLE, Associate Professor of General Business
B.S., West Virginia University, 1968; M.B.A., Virginia Commonwealth University, 1977; Ph.D., The Ohio State University, 2003. (2006)

AGUILAR, JARRETT, Associate Professor of Chemistry and Chair, Department of Natural Sciences
B.A., Indiana University of Pennsylvania, 1988; M.S., Indiana University of Pennsylvania, 1991; Ph.D., Bowling Green State University, 1997. (2001)

BAILEY, JEAN, Associate Professor of Marketing
B.A., West Liberty State College, 1976; M.A., Marshall University, 1990. (1987)

BARNABEI, ROBERT J., Associate Professor of Computer Information Systems and Coordinator, Business Information Systems Program
B.S., St. Edward's University, 1966; M.B.A., University of Pittsburgh, 1977. (1993)

BARONAK, WILLIAM M., Assistant Professor of Communications and Interim Chair, Department of Arts and Communications
B.S., Clarion University of Pennsylvania, 1995; M.S., Point Park College, 2000. (2001)

BERNSTEIN-GOFF, SHELI, Assistant 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)

BLACKWELL, MICHAEL, Instructor of Accounting
B.S., West Liberty State College, 1997; M.B.A., C.P.A., 1998; Wheeling Jesuit University, 2000. (2004)

BLASKOVICH, JENNIFER, Laboratory Assistant Dental Hygiene
B.S., West Liberty State College, 1979; M.A. West Virginia University, 1993 (1997)

BRIGGS, ROSITA, Lecturer in Nursing
B.S., West Liberty State College, 1999; graduate studies: Marshall University. (2005)

BROWN, MARY, Assistant Professor of Education
B.Med., Morehead State University, 1970; M.A., Michigan State University, 1988. (1999)

BROWN, RICHARD L., Associate Professor of Music
B.M.E., Morehead State University, 1971; M.M. Bowling Green State University, 1985; Ph.D. Michigan State University, 1988. (1997)

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)

CARPENTER, J.D., Vice President of Student Affairs and Enrollment Management
B.S.R., West Virginia University, 1989; M.S., West Virginia University, 1991; Ed.S., Marshall University, 2000; Ed.D., West Virginia University, 2002 (2004)

CLAMPITT, NORMAN C., Associate Professor of Chemistry
B.S., Western Carolina University, 1969; Ph.D., Indiana University, 1974 (1995)

CLAWSON, KAY L., Professor of Education
B.S. West Virginia University 1970, M.S., West Virginia University 1973; M.A., West Virginia University, 1983; Ed.D., West Virginia University, 1994; graduate study: University of Missouri at Columbia. (1978)

COOK, SCOTT A., Registrar and Director of Financial Aid
A.B., West Liberty State College, 1989; M.A. West Virginia University, 1997. (1990)

COTTLE, MATTHEW, Vice President for Institutional Advancement and Executive Director of the West Liberty State College Foundation
B.S., University of Kentucky, 1981; B.B.A, University of Kentucky, 1981; M.B.A., University of Cincinnati, 1984. (2006)

CORNELL, CHARLES D., Professor of Biology
A.B., West Liberty State College, 1966; M.S., Pennsylvania State University, 1968; Ed.D., West Virginia University, 1993. (1969)

COWAN, LINDA, Assistant Professor of Music
B.S., Indiana University of Pennsylvania, 1994; M.M. Indiana State University, 1996; D.M.A., Rutgers University 2006. (2002)

CRAWFORD, BRIAN L., Associate Professor of Geography and Interim Chair, Department of Social and Behavioral Sciences
B.A., Indiana University of Pennsylvania, 1982; M.S., California University of Pennsylvania, 1984; Ph.D., Indiana State University, 2000. (1999)

CROSS, JENNIFER D., Technical Services Librarian
A.B., Smith College, 1976; M.L.S., University of Pittsburgh, 1991. (1979)

CRUTCHFIELD, DIANA, Assistant Professor of Criminal Justice
B.A., West Virginia University, 1980; J.D., West Virginia University College of Law, 1983. (2004)

CRUTCHFIELD, JAMES K., Associate Professor of Physical Education and Head Men's Basketball Coach
B.S., West Virginia University, 1978; M.S., West Virginia University, 1987. (1989)

DAVIS, JOHN L., Vice President of Administration
B.A., West Virginia University, 1972; J.D., West Virginia University College of Law, 1976. (2000)

de JAAGER, ALFRED R., Associate Professor of Music; Dean, School of Liberal Arts
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)

DEWITT, DAVID, Academic Laboratory Instructing Assistant
B.S., West Liberty State College, 1982. (1998)

Faculty and Administration

DOMYAN, STEVE R., Professor of Speech Pathology-Audiology and Chair, Department of Health Sciences
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)

EDINGER, BRUCE, Associate Professor of Biology
A.B., Cornell University, 1977; M.S., University of Minnesota, 1985; Ph.D., University of Minnesota, 1987. (2006)

EHLE, MARYANN J., Professor of Education
B.S., Ohio University, 1956; M.A., West Virginia University, 1962; Ed.D., West Virginia University, 1977; graduate study: Ball State University, West Virginia University, Northern Arizona University, 1984, University of Pittsburgh, 1976, Ohio University, 1987. (1968)

FAYKUS, TERESA, Instructor of Nursing
Ohio Valley School of Nursing; B.S., Ohio University-Eastern, 1988; M.S., Franciscan University, 1988; graduate study:. (2004)

FENCL, BRIAN, Assistant Professor of Art and Coordinator of Art Studios
B.F.A., Art Center College of Design, 1990; M.F.A., New York Academy of Art, 2000. (2002)

FLIESS, ROBERT F., Associate Professor of Mathematics
B.S., University of Pittsburgh, 1975; M.Ed., University of Pittsburgh, 1979; graduate study: University of Pittsburgh, 1984-1986. (1988)

GALL, ROBERT, Associate Professor of Biology
B.A., University of Pennsylvania, 1978; M.A., Temple University, 1980; Ph.D., Temple University, 1984. (2005)

GIESMANN, JOHN, Director of Institutional Research and Assessment
B.S., Westminster College, 1972; M.A., Bowling Green State University, 1973. (2002)

HAIZLETT, JAMES A., Assistant Professor of Graphic Design
B.A., Grove City College, 1983; M.S., Bloomsburg University, 1994. (1999)

HARDER, MATTHEW, Assistant Professor of Music
B.A., Illinois Wesleyan University, 1996; M.A., Bowling Green State University, 1999; Ph.D., Northwestern University, 2003. (2005)

HARSHMAN, CHERYL, Library Director
B.A. Bethany College, 1974; M.L.S. University of Pittsburgh, 1977. (1997)

HATTMAN, JOHN W., Professor of English
A.B. Wheeling College, 1962; M.A., University of Scranton, 1964; D.A., Carnegie-Mellon University, 1974. (1964)

HERRICK, SUSAN, Professor of Sociology
B.A., Queens College, CUNY, 1970; M.A., Hunter College, CUNY, 1979; M.A., University of New Hampshire, 1981; Ph.D., University of New Hampshire, 1987; post doctoral research fellow: Johns Hopkins University, 1989-1991. (1995)

HICKCOX, LESLIE, Associate Professor of Physical Education
B.A., University of Redlands, 1973; M.A., University of Pacific, 1975; M.Ed., Columbia University, 1979; M.Ed., Oregon State University, 1987; M.Ed., Oregon State University, 1988; Ed.D., Oregon State University, 1991. (2005)

HUFFMAN, COURTNEY, Assistant Professor of Dental Hygiene
B.S.D.H., West Virginia University, 2000; M.S.D.H., West Virginia University, 2002; graduate study: West Virginia University. (2002)

HYPES, GARY, Assistant Professor of Accounting
B.S., West Liberty State College, 1994; C.P.A., 1995; J.D., West Virginia University College of Law, 2003. (2004)

JAVERSAK, DAVID T., Professor of History
A.B., West Liberty State College, 1967; M.A., University of Hawaii, 1969; Ph.D., West Virginia University, 1977; graduate study: Arizona State University. (1969)

INKSTER, MATTHEW, Assistant Professor of Music and Interim Assistant Chair, Department of Arts and Communications
B.M.E., University of Wyoming, 1992; M.M., University of Redlands, 1994; D.M., Florida State University, 1997. (2004)

JOHNSON, LU ANN P., Staff Librarian - Systems Librarian
B.A., Shepherd College, 1977; M.S.L.S., Catholic University of America, 1985. (1992)

KING, BRENDA, Director of Admissions
B.S., West Liberty State College, 1981. (1981)

KENNISON, MONICA, Professor of Nursing and Nursing Program Director
B.S., Indiana University of Pennsylvania, 1980; M.S., West Virginia University, 1985; Ed.D., West Virginia University, 2003. (1991)

KOTT, TAMA, Assistant Professor of Music
B.A., New England Conservatory of Music, 1992; M.S., Eastman School of Music, 1994; D.M., The Ohio State University, 2000. (2006)

KREISBERG, ROBERT, Associate Professor of Biology and Dean, School of Sciences
B.A., University of South Florida, 1982; M.S., University of Tennessee, Knoxville, 1988; Ph.D., University of Tennessee, Knoxville, 1993. (1997)

KREISBERG, MELINDA, Assistant Professor of Biology and Director of Science Fair
B.S., Mount Union College, 1988; Ph.D., University of Tennessee, 1994. (2002)

KRUSE, ROBERT, Assistant Professor of Geography
B.A., Slippery Rock University, 1999; M.A., Kent State University, 2001; Ph.D., Kent State University, 2004. (2005)

LAROUERE, BRIAN, Assistant Professor of Exercise Physiology and Coordinator of Exercise Physiology Program
B.S., Slippery Rock University, 1996; M.S., Slippery Rock University, 1998; Ph.D., University of Pittsburgh, 2004 (2003)

LASCH, META M., Assistant Professor of Communication and Theatre Arts and Theater Technical Director
B.A. West Liberty State College 1976; M.A., University of Pittsburgh 1980; graduate study: University of Pittsburgh, West Virginia University. (1981)

LEE, CHRISTIAN H., Associate Professor of Communications and Supervisor of Radio / TV Stations
B.A., Western Maryland College, 1984; M.A., Northern Illinois University 1987. (1989)

Faculty and Administration

LEE, GERALD, Assistant 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)

LEECH, WILLIAM, Professor of Physics
B.S., West Virginia University, 1964; Ph.D., University of Maryland, 1975. (1964) (1990) (2005)

LINDEN, DAVID R., Professor of Psychology
B.S., St. Vincent College, 1962; M.A., West Virginia University 1965 Ph.D., West Virginia University, 1968; postdoctoral research, University of Minnesota, 1988, 1995, Kent State University, 1996. (1974)

LIZZA, RICHARD P., Professor of History
A.B., Duquesne University, 1966; M.A. Duquesne University, 1968;
Ph.D. West Virginia University 1984. (1969-1972) (1987)

LUKICH, DONNA J., Professor of Nursing and Acting Provost / Vice President of Academic Affairs
B.S., West Liberty State College 1979, M.S.N., West Virginia University 1982; Ed.D. West Virginia University, 1987. (1988)

MARSHALL, MICHAEL J., Professor of Psychology and Assistant Chair, Department of Social and Behavioral Science
B.A., California State University of Northridge, 1976; M.A., California State University of Northridge, 1980; Ph.D., Claremont Graduate University, 1987. (1992)

MATVIKO, JOHN W., Associate Professor of Communication
B.S., Clarion State College, 1969; M.A., University of Pittsburgh, 1973; graduate study: West Virginia University. (1979)

MCCORMACK, ROBERT D., Associate Professor of Health Education; Interim Chair, Department of Physical Education
B.S., Central Missouri State University, 1973, M.S. Central Missouri State University 1975, graduate study: University of Maryland, West Virginia University. (1977)

MCCLAIN, TAMMY, Assistant Professor of Psychology
B.A., University of Charleston, 1990; Psy.D., Wright State University School of Professional Psychology, 1994. (2006)

MCCRACKEN, JOHNETTE L., Associate Professor of Criminal Justice
R.B.A., West Liberty State College, 1979; M.S., West Virginia University, 1982; graduate study: West Virginia College of Graduate Studies. (1988)

MCCULLOUGH, JOHN P, Chief Administrative Officer
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)

McGINLEY, LINDA OKEY, Professor of English
B.S., Slippery Rock State College, 1967; M.A., Ohio University, 1968; M.A. (Reading), West Virginia University, 1976, Ed.D., West Virginia University, 1979. (1968)

MILLER, TRAVIS, Academic Laboratory Instructing Assistant
B.S., West Liberty State College, 1998. (1998)

MISSELWITZ, SHIRLEY K., Associate Professor of Nursing
A.S. Nursing, West Virginia Northern Community College, 1975; B.S.N., West Liberty State College, 1978; M.S.N., West Virginia University, 1989; graduate study: University of Dayton. (1991)

MUDRINICH, ANDREW, Assistant Professor of Accounting
B.S., Pennsylvania State University, 1984; M.S., University of Akron Graduate School of Accounting, 1994; J.D., University of Akron School of Law, 1996. (2006)

MUSSER, BETH E., Dean, School of Education and Professor of Education
A.B., Lycoming College 1966, M.A. West Virginia University 1969 Ph.D. University of Pittsburgh, 1981, graduate study: Ball State University, University of Colorado, West Virginia University, (1976)

NICODEMUS, EARL G., Associate Professor of Education
B.S., Ohio State University, 1970; M.Ed., Miami University (Ohio), 1974; graduate study: Miami University (Ohio). (1976)

NOBLE, FRANK, Assistant Professor of Criminal Justice
B.A., Bethany College, 1995; J.D., Ohio Northern University, 1995. (2005)

NOBLE, RHONDA, Professor of Physical Education
A.B., West Liberty State College, 1983, M.S., Eastern Kentucky University 1986. E.Ed., West Virginia University, 2002. (1986)

OWENS, RICHARD, Professor of History
B.A., Manhattan College, 1969; M.A., Old Dominion University, 1977; Ph.D., University of Maryland, 1988. (2002)

PADGETT, ROBERT P., Professor of Art
A.B., Florida State University, 1968; M.S., Florida State University, 1971; M.F.A., West Virginia University, 1981. (1972)

PALEUDIS, KATHERINE, Assistant Professor of English
B.A., Immaculata, 1968; M.A., John Carroll University, 1970; graduate studies: Duquesne University, University of Pittsburgh. (2002)

PRICE, RICHARD, Instructor of Physical Education
B.A., West Liberty State College, 1973; M.S., West Virginia University, 1991. (1999)

REED, SUZANNE, Instructor of Physical Education
B.A., West Liberty State College, 1994; M.A., Tennessee Technological University, 1996. (2004)

REILLY, JOHN E., Professor of Communication and Theatre Arts and Director of Theater Productions
A B., St. Peter's College 1967; M.A., University of Wisconsin, (Madison) 1968; M.F.A., University of Alabama; graduate study: University of Wisconsin. (1980)

RINCHIUSO, LEONARD, Instructor of Foreign Language
B.A., Duquesne University, 1989; M.A., The Ohio State University, 1992; graduate study: West Virginia University. (2002)

ROBINSON, ELIZABETH A., Associate Professor of Management; Dean, School of Business Administration
B.S., West Liberty State College, 1964 M.B.A. West Virginia University 1983; graduate study: West Virginia University. (1979)

Faculty and Administration

ROSE, ANN C., Associate Professor of Education
B.A., Marietta College, 1976; M.Ed., Ashland University, 1987; graduate study: West Virginia University, 1995. (2000)

SANSONE, RHONDA, Instructor of Nursing
A.S., Belmont Technical College, 1996; B.S., Ohio University, 1998; M.S., The Ohio State University, 2001. (2006)

SCHRAMM, JEANNE V., Library Instruction
B.S., University of Delaware, 1963; M.S., University of Tennessee, 1965; M.L.S., University of Pittsburgh, 1972. (1965)

SEEBER, ROGER G., Professor of Biology
B.S., State University of New York, 1978; Ph.D., West Virginia University, 1989. (1991)

SIX, MARGARET, Associate Professor of Dental Hygiene and Program Director, Dental Hygiene and Coordinator of Interdisciplinary Studies Program
A.S., West Liberty State College; B.S. West Liberty State College, 1981; M.S., West Virginia University, 1993. (1997)

SMITH, GAIL, Associate Professor of Education
B.S., Indiana University of Pennsylvania, 1971; M.Ed., Indiana University of Pennsylvania, 1975; D.Ed., Pennsylvania State University, 1992. (2004)

SNYDER, MARCELLA, Director of Housing and Residence Life
B.S., W.Va. Wesleyan College, 2000; M.B.A., W.Va. Wesleyan, 2003. (2004)

SPROULL, ELIZABETH, Instructor of Nursing
Ohio Valley Hospital School of Nursing, 1971; B.A., Ohio University, 1974; M.Ed., Ohio University, 1979; B.S., University of State of New York, 1985. (January 2005)

STAFFEL, PETER, Associate Professor of English and Coordinator of Elbins Scholars Program and Hughes Lecture Series
B.A., University of North Carolina (Chapel Hill), 1971; B.A., Edinburgh University (Scotland), 1981; M.A., University of Idaho, 1987; Ph.D., Tulane University, 1989. (2004)

STRADA, MICHAEL J., Professor of Political Science
A.B., State University of New York, 1967; M.A., Pennsylvania State University, 1969; Ph.D., West Virginia University, 1977; M.A. West Virginia University, 1979 graduate study: Smith College, University of California-Berkeley, Dartmouth College, University of Pittsburgh. (1969)

SWEENEY, MICHELE, Associate Professor of Dental Hygiene
Certificate in Dental Hygiene, University of Pittsburgh, 1974; B.S., University of Pittsburgh, 1975; M.S.D.H., West Virginia University, 1991. (1999)

THOMAS, DAVID J., Professor of English and Interim Chair, Department of Humanities
B.A., West Liberty State College 1975; M.A., Marshall University, 1977; Ph.D., West Virginia University, 1992. (1985)

TIRONE, NANCY E., Associate Professor of Art
B.S., Ladycliff College, 1969; M.A., University of South Carolina 1974 M.S., University of Wisconsin, 1980; graduate study: University of Wisconsin, West Virginia University. (1980)

TOMASIC, DIANE, Professor of Nursing
B.S., Point Park College, 1971; M.S.Ed., Duquesne University 1974; M.N., University of Pittsburgh, 1980; Ed.D., West Virginia University, 1989. (1984) (1991)

TURRENTINE, MICHAEL, Assistant Professor of Business Law and Chairperson, Department of Financial Systems
B.S., Ohio University, 1978; J.D., Duquesne University of Law, 1996. (1999)

VILLAMAGNA, ROBERT A., Assistant Professor of Art and Director of Art Gallery
B.S., Franciscan University, 1989; M.A., Wright State University, 1991. (1997)

VOPAL, JAMES, Lecturer in Mathematics
B.S. (Mathematics), B.S. (Physics), Michigan Technological University, 2001; M.S., West Virginia University, 2006. (2006)

WAGENER, WILLIAM C., Program Director, Clinical Laboratory Sciences and Associate Professor of Clinical Laboratory Sciences
M.T.(ASCP), Harrisburg Hospital School of Medical Technology, 1975; B.S., Indiana University of Pennsylvania, 1975; M.S., University of Pittsburgh, Grad. School of Public Health, 1979; Ph.D., University of Pittsburgh, Grad. School of Public Health, 1993. (1994)

WAIALAE, ROGER, Head Football Coach
B.A., University of Dubuque, 1989; graduate study: West Virginia University. (1999)

WARMUTH, BRIAN L., Director of Human Resources/AA/EEO/Payroll
B.A., West Virginia University, 1978; M.S., West Virginia University, 1980; Graduate: West Virginia School of Banking, 1988. (1993)

WATSON, JAMES W., Associate Professor Physical Education and Director of Athletics and Coordinator of Athletic Training
B.S., Springfield College, 1969; M.P.E., Springfield College, 1970; graduate study: West Virginia University. (1971)

WEHLER, MICHAEL, Instructor of Physical Education; Head Wrestling Coach
B.S., Lock Haven University of Pennsylvania, 2000; M.A., University of North Carolina (Pembroke), 2004. (2004)

WHITE, CARRIE, Assistant Professor of Business; Chair, Department of Administrative Systems
B.S., Franciscan University of Steubenville, 1990; M.B.A., Franciscan University of Steubenville, 1992; J.D., Duquesne University School of Law, 1996. (2004)

WIESNER, HARALD, Professor of Music
A.B., University of Richmond 1961; M.M. Texas Christian University 1965; Mus.D., Northwestern University, 1968. (1968)

WILLIAMS, LAURENCE P., Coordinator of Extended Education and Community Outreach and Coordinator of Warwood Center
A.B., West Liberty State College, 1968; M.A., West Virginia University, 1975. (1971)

WITT, RONALD A., Instructor of Hospitality and Tourism Management and Director of Alumni Association and Manager of Liberty Oaks Alumni House Bed and Breakfast
B.S. West Liberty State College, 1992.; M.B.A., West Virginia University, 2004. (1997) (2006)

WRIGHT, DAVID, Associate Professor of Management and Coordinator, Regents' B.A. Degree Program and Coordinator of Bachelor of Applied Sciences Program
B.S., West Liberty State College, 1979; M.B.A., University of Steubenville, 1985; graduate study: West Virginia University. (1982)

Faculty and Administration

WUDARSKI, ALFRED, Associate Professor of Computer Information Systems
B.A., West Liberty State College, 1973; M.A., West Virginia University, 1979. (1981-89) (2003)

YOUSSEF, MOHAMED, Assistant Professor of Physics
B.S., University of Alexandria, Egypt, 1980; M.S., University of Alexandria, Egypt, 1984; Ph.D.,
University of Rhode Island, 1993. (2002)

ZUELOW, ERIC, Assistant Professor of History
B.A., University of Washington, 1996; M.A., University of Wisconsin, Madison, 1999; Ph.D.,
University of Wisconsin, Madison, 1004. (2005)

Index

A

Academic Dishonesty Policy	46
Academic Forgiveness Policy	50
Academic Load	51
Accounting	72
Accelerated Business Programs	78
Accelerated Degree Programs	41
Accreditation	9
Active Military Service, Procedures	53
Administration and Professional Staff	4
Administrative Mathematics	72
Administrative Science	72
Administrative Systems, Department of	75
Admissions &, Credits Committee	40
Admissions Policy	36
Advanced Placement	39
Advisors	54
Alumni Association	29
Arts and Communications, Department of	99
Art, Comprehensive	99
Art Subject Specialization	101
Athletic Coaching Minor	96
Auditing Courses	50

B

Bachelor of Applied Science Degree	59
Bachelor of Arts Degree - Secondary Education	67
Bachelor of Arts Degree - Liberal Arts	65
Bachelor of Science Degree	63
Banking, Finance and Economics	72
Biology	128
Biotechnology	131
Broadcasting Concentration	104
Budget, Dental Hygiene	154
Budget Clinical Laboratory Science	141
Budget, Nursing	166
Business Administration Minor	79
Business Administration Minor for Science Majors	79
Business Administration Programs	69
Business Administration, School of	70
Business Information Systems Degree	78

C

Calendar 2007-2008	3
Campus Automobile Regulations	30
Campus Facilities	10
Campus Life	28
Campus Safety	30
Center for Student Success	32
Charges, Summer School	23
Chemistry	135
Chemistry/Environmental Science Track	136
Class Attendance Policy	52
Classification for Admission &, Fee Purposes	44
Classification of Students	54
Clinical Laboratory Science, Department of	144
College Level Examination Program (CLEP)	41
Committees, Standing	12
Communications	103
Computer Use Policy	47
Computer Information Systems	72
Computer Information Systems, Minor,	79
Concert Attendance Requirements	111
Core Coursework Transfer	41
Core Values	8
Counseling Services	29
Course Descriptions	173
Course Descriptions (Graduate Degree Programs)	266
Credit by Examination	40
Credit Evaluation	56
Credit, Military Service	42
Credit, Work/Life Experience	41
Criminal Justice	120

D

Dean's List	54
Degree Programs	56
Dental Hygiene Clinic	32
Dental Hygiene, Management Track	155
Dental Hygiene, Marketing Track	155
Dental Hygiene Program	150
Developmental Skills Program	36
Digital Media Design Program	103
Disability Support Services	31

E

Early Education	89
Early Entrance for High School	39
Education Minor	91
Education Programs	82
Education, School of	83
Elbin Scholars Program	43
Elementary Education	87
English	111
English Liberal Arts	112
Entrepreneurship Minor	80
Essential Skills Area	61
Evening Classes, Absences	53
Exercise Physiology Minor	96

F

Faculty and Administration	271
Family Educational Rights & Privacy Act	26
Financial Aid	15
Financial Aid, Academic Progress for	16
Financial Aid, Refund	21
Financial Systems, Department of	73
Foreign Languages	115
Forensic Science Track	133

G

General Business	72
General Educational Development Test	39
General Goals of the College	8
General Science	140
General Studies Program	61
General Studies Requirements, Overview	63
German Gerontology	115
Geographical Note	149
Geography Minor	7
Golf Management	122
Grade Appeal	73
Grades and Reports Graduate	50
Degree Programs Graduate Degree	49
Program Courses Graduation	60
Requirements	266
Graduation with Honors	54
Graphic Design	56
	102

H

Health Education	94
Health Sciences, Department of	143
Health Services	31
Health Services Management	72
Historical Note	7
History	122
Honors Program	43
Hospitality and Tourism Management	72
Humanities, Department of	111

I

Immunization Requirement	38
Information Technology Services	33
Insurance, Dental Hygiene	154
Insurance, Clinical Laboratory Science	146
Intercollegiate Athletic Program	18
Interdisciplinary Studies	172
International Students	38
International Studies	122
Intramurals	29

J

Journalism Concentration	104
--------------------------	-----

K

Knowledge Area	62
----------------	----

L

Liberal Arts Programs	98
Liberal Arts, School of	99
Library, Paul N. Elbin	11
Loan Funds	16

M

Management	73
Marketing	73
Mathematics Program	137
Media Arts Center	11
Microbiology	132
Military Service Credit	42
Mission Statement	8
Music, Applied, Private Instruction	110
Music	166
Music Education	108
Music Facilities	107
Music Minor	110

N

Natural Sciences and Mathematics, Department of	127
Nursing, Accelerated B.S.N.	160
Nursing Program	157

P

Pass/Fail Credit	40
Parking Fees	22
Paul N. Elbin Library	11
Philosophy & Aims	7
Philosophy	115
Physical Education, Department of	92
Physics and Physical Sciences Program	139
Political Science	123
Pre-Dentistry	156
Pre-Engineering	142
Pre-Professional Programs	141
Professional Objectives, Education	84
Professional Education, Department of	83
Professional Education, Dept. of LISTSERV.	81
Probation & Suspension	51
Psychology	121

Q

Quality Points	50
----------------	----

R

Regents' B.A. Degree Program	57
Registration	39
Religion	116
Repetition of Courses	50
Residence Hall Deposit	23
Residence Life	28
Resident Assistant Positions	18
Residency Classification	44
Room and Board Payment and Refunds	23
Russian	115

S

65 Plus Program	40
Scholarships	17
School Nurse Program	161
Sciences, Programs	126
Sciences, School of	127
Secondary Education	90
Selective Service Registration	36
Sigma Tau Delta	115
SMART-Center	170
Social and Behavioral Sciences, Dept. of	117
Social Studies	117
Social Work	120
Sociology	123
Spanish	115
Special Education	89
Specialization Areas Teacher Education	86
Speech Pathology Audiology	167
Sports Management	73
Strategic Goals	9
Student Assessment Requirement	40
Students and Curricula	7
Student Life Policies	26
Student Rights & Responsibilities	47
Student Teaching	86
Summer School Changes	13
Summer Term Schedule	3

T

Tests, Required Education	89
Theater Concentration	105
Theater Minor	106
Transcripts	22
Transfer Students	38
Tuition and Fees	20
Tuition Refund Policy	20
Tutorial Service	44

U

Unpaid Bills, Fees, Fines	22
---------------------------	----

V

Veterans Certification	42
Vision Statement	8

W

Washington Center, The	43
Withdrawal from College	53
Withdrawal from Courses	53
Women's Studies	116
Writing Minor	117

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The Hughes Lecture Series

A popular program at West Liberty 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 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.