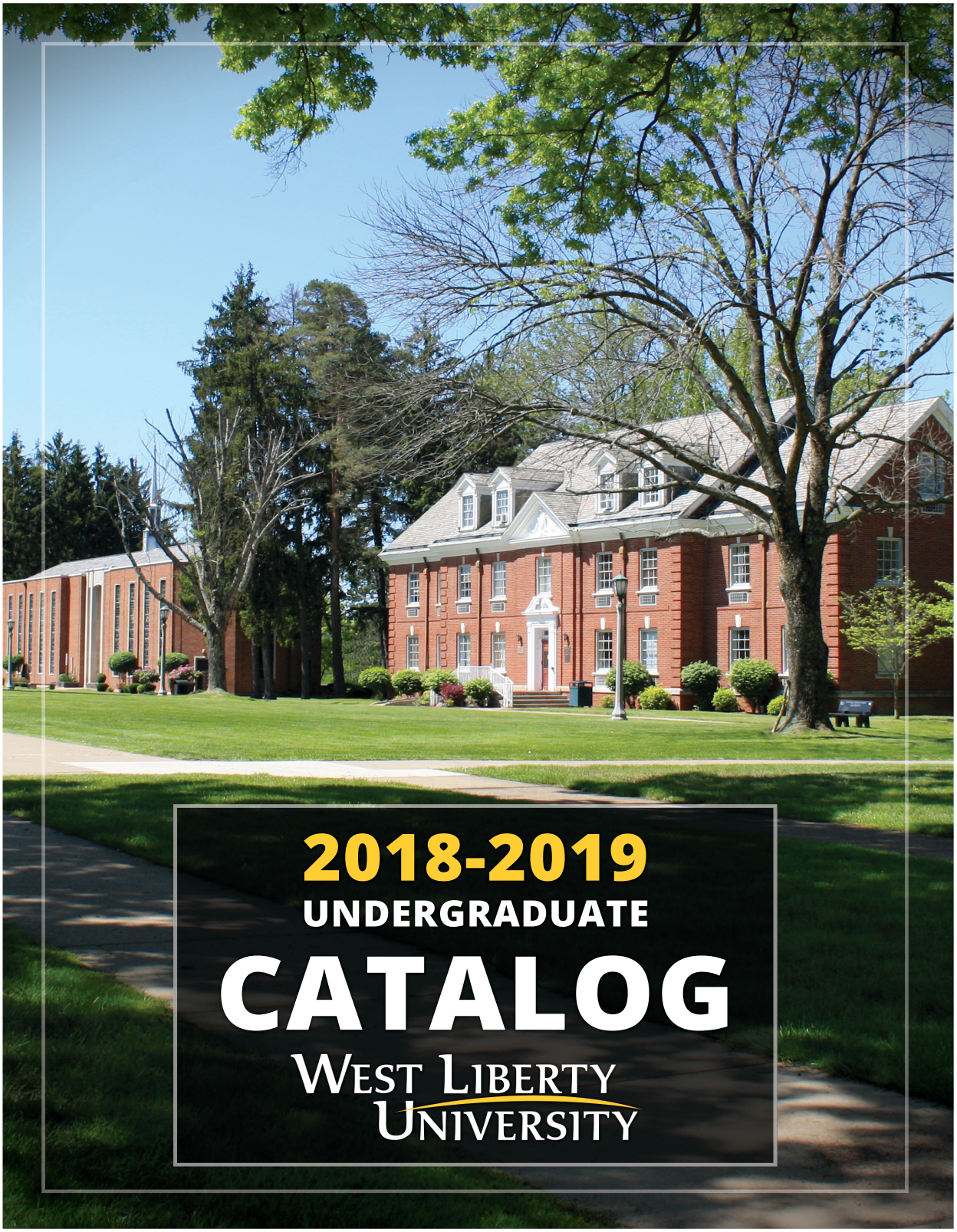

2018-2019
UNDERGRADUATE
CATALOG
WEST LIBERTY UNIVERSITY

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Our 181st Year

Chartered by the Legislature of Virginia
March 30, 1837

Chartered by the Legislature of West Virginia
March 1, 1870

WEST LIBERTY UNIVERSITY CATALOG

Volume 64 **August 2019**

West Liberty, WV 26074 • Phone 304.336.8007

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

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

Inquiries concerning the application of the above statement should be addressed to: Human Resources/Affirmative Action Officer, West Liberty University, 208 University Drive, College Union Box 131, West Liberty, WV 26074; Phone: 304.336.8029.

The policies and practices listed in this publication are those in effect as of May 1, 2018 and are subject to change. If there are changes which are effective for the 2018-2019 academic year, insofar as possible, these will be announced in* The Trumpet or by email, *and by means of other publications.

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

WEST LIBERTY UNIVERSITY ACADEMIC YEAR CALENDAR
FALL-SPRING-SUMMER 2018-19

FALL SEMESTER **2018**

Classes begin, including MBA first-half courses ..... 25 August
Registration 7:30 - 8:30 a.m. ..... 27 August
Labor Day - no classes - day or night ..... 3 September
Last day to enroll or add classes ..... 6 September
No applications for December graduation will be accepted after ..... 21 September
MBA first-half courses end ..... 13 October
Mid-Term ..... 19 October
Last day to add 2nd Half classes ..... 19 October
Second-Half Classes begin, including MBA ..... **20 October**
Fall Holiday – No classes – Offices Open ..... 26 October
Two-thirds point of semester-last day to withdraw with a grade of "W" ..... 2 November
Pre-registration for spring term & summer ..... 22 October -9 November
Thanksgiving Break, no classes ..... 21-24 November
Last day of classes and **last day to drop a class** ..... 7 December
Second-half semester MBA courses end ..... 14 December
Final Examinations ..... 8-14 December
Last day to apply for **May Graduation without late fee** ..... 14 December
Commencement (11:00 a.m.) ..... 15 December

SPRING SEMESTER **2019**

Classes begin, including MBA first-half courses ..... 5 January
Registration 7:30-8:30 a.m. ..... 7 January
Last day to enroll or add classes ..... 16 January
Martin Luther King Day - no classes - day or night ..... 21 January
MBA first-half courses end ..... 23 February
No applications for May graduation will be accepted after ..... 1 March
Mid-Term ..... 1 March
Spring Break ..... 2-8 March
Second Half classes begin, including MBA ..... **9 March**
Last day to add 2nd Half classes ..... 15 March
Two-thirds point of semester-last day to withdraw with a grade of "W" ..... 22 March
Pre-registration for summer and fall terms ..... 25 March – 14 April
Spring Holiday – No Classes – Offices Open ..... 19 April
Last day of classes and **last day to drop a class** ..... 26 April
Second-half MBA courses end ..... 27 April
Final examinations ..... 27 April – May 3
Commencement (11:00 a.m.) ..... 4 May
Last day to apply for **December Graduation without late fee** ..... 1 July

SUMMER TERMS 2019:

Summer I Term: (no classes & offices closed Memorial Day – 27 May)
6 Weeks: ..... 6 May 14 June
4 Weeks: ..... 6 May – 31 May
MBA courses ..... 6 May – 22 June

Summer II Term: (no classes & offices closed on Independence Day – 4 July)
6 Weeks: ..... 17 June – 26 July
4 Weeks: ..... 17 June – 12 July
MBA courses ..... 1 July – 17 Aug

Summer III Term: (for PA ONLY) (no classes & offices closed on Independence Day – 4 July)
PA1: ..... 1 July – 20 Sept
PA2: ..... 24 June – 30Aug

Tentative Fall 2019 Start Date: August 26, 2019

ADMINISTRATION AND PROFESSIONAL STAFF

(PRESIDENT'S OFFICE)

Stephen Greiner, Ed.D.	**President**
Mary Ann Edwards	Executive Secretary to the President
Ronald Witt, Jr., M.B.A.	Executive Director of Alumni & Community Relations
Maureen Zambito, B.S.	Director of Media Relations
Jason Koegler, B.A.	VP Institutional Advancement
Becky Bugaj	Administrative Assistant – Senior
Laura Mussilli	Grants Manager
Theresa Gretchen, B.S.	Executive Producer/WLTV

(PROVOST OFFICE)
REPORTS TO: President

Brian Crawford, Ph.D.	Provost
Jeremy Larance, Ph.D.	Assistant Provost
Elizabeth Richter, M.A.	Assistant to the Provost
Paula Tomasik, B.A.	Director of Institutional Research and Assessment and HLC Accreditation Liaison Officer
Sarah West, B.A.	Data Manager
Lucy Kefauver, M.A.	Director of Distance Education
Gabriela Martin Barbosa, M.A.	Instructional Designer
Kristin McCombs, M.A., A.B.D	Instructional Designer
Sara Sweeney, M.Ed.	Director of Graduate Studies
Carol Wood	Administrative Secretary

(WLTV)
REPORTS TO: Executive Director of Marketing

Jared Thompson, MAEd	Senior Producer and Engineer

(ATHLETIC DEPARTMENT)
REPORTS TO: President

Lynn Ullom, B.A.	Athletic Director
Robin Brunner	Program Assistant II
Don Clegg, B.S.	Sports Information Director
Rex Lancaster, B.S.	Manager of Athletic Operation
Barry Christmas, B.S., P.G.C.E.	Head Women's Soccer Coach
Mitch Smith, M.B.A.	Head Wrestling Coach
Ben Howlett, B.A.	Head Men's Basketball Coach
Mike Lamberti, M.S.	Assistant Men's Basketball Coach
Aaron Huffman, Ed.D.	Assistant Men's Basketball Coach
Kyle Cooper, M.A.	Head Women's Basketball Coach
Cassie Seth, M.S.	Assistant Women's Basketball Coach
Heather Gallagher, B.S.	Head Women's Tennis Coach
Kayla Fetsko-Mull, M.B.A.	Head Volleyball Coach
Roger Waialae, B.A.	Head Football Coach/Associate Athletic Director for Fundraising
Mike Kellar, M.A.	Assistant Football Coach – Offensive Coordinator
Jeff Monteroso, M.Ed.	Assistant Football Coach – Defensive Coordinator
Daniel Hopkins, M.Ed.	Assistant Football Coach – Strength & Conditioning Coordinator/Offensive Line
Zachary Amedro, B.A.	Assistant Football Coach
Angel Estrada, B.A.	Assistant Football Coach
Jerry Duncan, M.S. A.T.C., C.E.S	Head Athletic Trainer/Athletics Health Care Administrator
Melanie Cheek, M.S. A.T.C.	Athletic Trainer
Jason Coleman, M.S., A.T.C.	Athletic Trainer
Herb Minch, M.S., A.T.C., EMPT-P	Head Softball Coach
Bruce Jochum	Supervisor/Athletic Facilities Maintenance
Brian Watson	Maintenance Worker
Justin Simpson, M.S.	Head Women's & Men's Track/Cross Country Coach

Thomas Olivier, B.S.	Head Men's Soccer Coach
Treasure Fields, B.S.	Head Acro/Tumbling Coach
Eric Burkle, B.A.	Head Baseball Coach/Golf Coach
Mke Ricci, M.Ed.	Head Men's Golf Coach
Shane Rice, B.S.	Head Women's Golf Coach
Sam McCullough	Head Men's Tennis Coach

(BUSINESS OFFICE)
REPORTS TO: President

Roberta C. Linger CPA, MBA	Vice President of Finance and Administration
Amy Baccelliere	Controller
Beth Barr, B.S.	Payroll Representative
Katrina Hyde, B.S.	Director of Purchasing
Debbie Heinzeroth, A.A.S.	Accounting Assistant I – Accounts Payable
Stephanie Mills	Accounting Assistant I
Sherri Mason, B.S.	Financial Reporting Manager
Kimberly Lemley, MBA	Senior Accountant
Mikie Zaleski, A.A.B.	Accounting Assistant I
Jill Burns	Accounting Assistant I
Laura Mussilli, C.P.A, M.B.A	Senior Accountant

(CAMPUS POLICE)
REPORTS TO: Vice President of Student Services/Registrar

Joseph Montemurro	Chief of Police/Director of Public Safety
JR Olejasz	Campus Police Officer
Mike Makris	Campus Police Officer
Melvin Cunningham	Campus Police Officer
James Kelso	Campus Police Officer
Rusty Jewell	Campus Police Officer

(HUMAN RESOURCES DEPARTMENT)
REPORTS TO: President

Diana Harto, M.S., PHR, SHRM-CP	Chief Human Resources Officer
Susan Garrison, B.S.	Human Resources Assistant III
Brian Schamp, B.S.	Human Resources Sr. Generalist
Shari Beckett	HR Assistant
Anthony Salatino, M.S.	Health and Safety Specialist –HR

(SCHOOL OF PROFESSIONAL STUDIES)
REPORTS TO: Brian Crawford, Ph.D.

Thomas Michaud, Ph.D.	Dean, School of Professional Studies
Mary Lou Conley	Program Assistant II

(IT SERVICES)
REPORTS TO: Vice President for Finance and Administration

Joe Rodella	Director of Information Technology
Phillip Kent, M.B.A.	Database Administrator Senior
Jill Murray, M.P.S-O.L	Information Technology Senior
Becky McCullough, B.S.	Database Administrator Senior
Bob Wise, B.S.	Database Specialist

(REGISTRARS OFFICE)
REPORTS TO: President

Scott Cook, M.A.	Vice President of Student Services /Registrar
Amy Balog, B.A.	Certification Analyst

Mitchell Moon, B.M.	Records Assistant II
Laura Willis, B.S.	Records Officer

(MARKETING)
REPORTS TO: Scott Cook

Tammi Secrist, B.S.	Executive Director Marketing
Whitney Inkster, B.A.	Director of Creative
Samantha Wilson, B.S.	Web Assistant

(DIVISION OF STUDENT SERVICES)
REPORTS TO: President

Scott Cook, M.A.	Vice President of Student Services/Registrar
Dreama Bush	Administrative Secretary
Michelle Stack, M.M.	Office Administrator Senior/College Union
Lisa Witzberger, M.S.W.	Counselor II

(DEPARTMENT OF STUDENT HEALTH SERVICES)
REPORTS TO: Vice President of Student Services/Registrar

Cheryl Bennington, B.S.N.	Director Student Health Services

(HONORS COLLEGE)
REPORTS TO: Provost

Shannon Halicki, Ph.D.	Dean / Honors College
Peter Staffel, Ph.D.	Director of the Honors Program

(GARY E. WEST COLLEGE OF BUSINESS)
REPORTS TO: Provost

Gregory Chase, Ph.D.	Interim Dean/Gary E. West College of Business
Donna Schuler, A.A.S.	Administrative Secretary – Senior
Michael Blackwell C.P.A, M.B.A	Program Director of Undergraduate Business
Rickard Briggs, D.EL.	Interim Director of MBA Program/ Director, Center for Entrepreneurship

(COLLEGE OF EDUCATION & HUMAN PERFORMANCE)
REPORTS TO: Provost

Cathy Monteroso, Ed. D.	Interim Dean, College of Education
TBA	Administrative Associate
Lourdes Karas	Director, Arts and Education Center
Sarah Schimmel Ed.D.	Interim Teacher Education Program Director
TBA	Program Coordinator
Ryan Koenig, Ph.D.	Program Director/Exercise Physiology
David Hanna, D.P.T.	Program Director/Athletic Training
Miriam Roth-Douglas	Program Director, Community Education Program
Leann DiAndreth-Elkins	Program Director, MA.Ed.

(COLLEGE OF ARTS AND COMMUNICATIONS)
REPORTS TO: Provost

Matthew Harder, D.M.	Dean/College of Arts and Communications
Cindy Jones	Academic Program Associate

Department of Journalism, Communications Studies, and Visual Arts

Brian Fencl, M.F.A.	Chair

Department of Music and Theater

Linda Cowan, D.M.A.	Chair

(COLLEGE OF LIBERAL ARTS)
REPORTS TO: Provost

Gerard NeCastro, Ph.D.	Dean/College of Liberal Arts
Dawn Swiger.	Administrative Secretary Senior
Keith Bell, Ph.D.	Program Director / BS Criminal Justice & MS Criminology
Sylvia Hawranick Senften, Ed.D.	Program Director/Social Work

Department of Humanities

Peter Staffel, PhD	Interim Chair
Angela Rehbein, PhD	Interim Chair

(COLLEGE OF SCIENCES)
REPORTS TO: Provost

Karen Kettler, Ed.D.	Interim-Dean/College of Sciences
Stacey Page, B.S.	Administrative Associate
William A Childers, M.P.A.S., Ed.D.	Program Director/Physician Asst. Program
Tara Hardman, A.A., A.S.	Administrative Secretary - Senior

Department of Health Sciences

Rose Kutlenios, Ph.D.	Nursing/Program Director
William Wagener, Ph.D.	MLS/Program Director
Stephanie Meredith	Dental Hygiene/ Program Director
Kelly Baker	Administrative Secretary – Senior
Stephanie Bradley, Au.D.	Program Director/Speech Pathology and Audiology
Tammy McClain, Psy. D.	Program Director / Psychology

Department of Natural Sciences and Mathematics

Douglas Swartz, Ph.D.	Interim-Chair
Jon Serra, Ph.D.	Assistant Chair
Joseph Horzempa, Ph.D.	MAMS BIO Program Director
Bree Blum, M.A.	Administrative Secretary - Senior

(PHYSICAL PLANT DEPARTMENT)
REPORTS TO: Vice President for Finance and Administration

Joseph Mills	Director of Physical Plant
Tom Miller	Campus Maintenance Specialist

(LIBRARY)
REPORTS TO: Provost

Cheryl Harshman, M.L.S.	Director Library
Stacie Groch	Program Assistant I
Edward Wolf, B.A.	Library Technical Assistant II
Alan Ramsey	Library Technical Assistant II
Kathryn Zane	Staff Librarian

(HOUSING AND STUDENT LIFE)
REPORTS TO: Vice President of Student Services/Registrar

Marcella Snyder, M.B.A.	Executive Director of Housing and Student Life
Kimberley Fox, M.A.	Housing Area Coordinator
Camille Irvin, B.A.	Housing Area Coordinator
Kate Billings, M.B.A.	Campus Activities Coordinator

(FINANCIAL AID)
REPORTS TO: Vice President of Student Services/Registrar

Katie Cooper, M.A.	Director of Financial Aid
Amy Whipkey, M.S.	Financial Aid Counselor
Cindi Galloway A.S.	Financial Aid Counselor
Erika Rohrig	Financial Aid Counselor

(Learning and Student Development Center)
REPORTS TO: Vice President of Student Services/Registrar

Bridgette Dawson, M.B.A.	Director, Learning and Student Development Center
Peggy Howell, M.A.	Student Support Services Coordinator
Shannan Harris	Administrative Secretary, Senior

(ADMISSIONS OFFICE)
REPORTS TO: Vice President of Student Services/Registrar

Brenda King, B.S.	Executive Director of Admissions and Recruitment
Michelle Panepucci	Admissions Assistant III
Tasha Taylor	Student Records Assistant
Stephanie North, B.S.	Supervisor/Admissions
Joe Wakim, M.A.	Admissions Counselor
Brad Forshey B.A.	Admissions Counselor
Rhonda Tysk, M.L.S.	Admissions Counselor
Connie McVicar, B.S.	Student Records Assistant
Kim Eisel, B.A.	Admissions Counselor
Edward Mitchem, B.S.	Regional Admissions Representative
Damia Mogielski, M.S.	Admissions Counselor
Michelle Filberto, B.A.	Campus Visit Coordinator
Mihaela Szabo, M.A.	Director, International Student Recruiting
Heather Kalb, Ph. D.	Coordinator of International Students and Recruiting

(HIGHLANDS CENTER)
REPORTS TO: Director of Graduate Studies

Savannah Scott, M.A.	Academic Program Assistant
Mike Marker	Administrative Secretary

HISTORICAL NOTE

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

GEOGRAPHICAL NOTE

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

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

PHILOSOPHY

WLU 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.

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

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

GENERAL GOALS

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

1. First, the institution maintains three student development goals:

   A. Communication: Upon completion of the General Studies Program at WLU, students will communicate with clarity, coherence, and persuasiveness.

   B. Analysis: Upon completion of the General Studies program at WLU, students will apply appropriate concepts and methods to analyze, evaluate, and interpret information or texts, implementing suitable strategies to solve problems or relate analyses as appropriate.

   C. Self and Cultural Awareness: Upon completion of the General Studies program at WLU, students will reflect objectively on the human condition through investigation, appreciation, and evaluation of the products, perceptions, expressions, and interrelationships of various cultures.
2. The institution is committed to policies and programs contributing to the ongoing process of the professional development and growth of its faculty and staff as a second long range goal.
3. The third long range goal is to promote community service, whereby the institution's faculty, staff, and students contribute to the community according to their skills and abilities.
4. The development of quality teaching constitutes a fourth long range goal of the institution. However, other professional and extracurricular contributions are also to be encouraged and rewarded.
5. A fifth long range goal is to maintain an optimal balance among student enrollment, faculty size, and physical plant.
6. Finally, the institution intends to maintain goal relevance by measuring progress toward its goals and by periodically reviewing and assessing them.

MISSION

To provide our students with the opportunity for a high quality undergraduate, graduate, and professional education through appropriate formats and venues.

CORE VALUES

Opportunity
Caring
Professionalism and Integrity
Excellence
Civic Engagement

VISION STATEMENT

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

1. Providing its students with a high-quality education wherever and however courses are delivered that will prepare them for employment in current and future job markets or continuing their education;
2. Achieving excellence in all facets of university life, including academics, student experiences, athletics, and visual and performing arts;
3. Providing a comprehensive and significant liberal arts foundation that will prepare its students to communicate effectively, think critically, and assume roles as productive citizens of the global community;
4. Pursuing financial stability as an institution while also remaining affordable for its students;
5. Emphasizing high-quality professional relationships between students and faculty, both in and out of the

classroom, through excellent instruction in any format or location and advising;
6. Standing as a vigorous and vibrant source for the creation of knowledge through innovative and creative research and scholarly activity;
7. Providing technological capabilities and infrastructure to reflect contemporary educational needs and standards;
8. Facilitating vibrant relationships with the surrounding community through social, civic, and economic engagement activities, and building strong and enduring relationships with alumni and benefactors;
9. Supporting a safe campus environment that encourages diversity and inclusion for all members of the WLU community.

STRATEGIC GOALS

West Liberty University will continually enhance its academic programming to provide students with a high quality, affordable, and comprehensive education.

West Liberty University will create an environment that fosters openness and effective communication with internal and external stakeholders.

A campus development plan that supports a safe and effective campus environment that provides appropriate learning and recreational spaces accessible to all constituents.

Vibrant and active student life opportunities accessible to all West Liberty University students.

West Liberty University will provide an affordable education while focusing on high quality, the student experience, and exceptional services.

West Liberty University will continue to strive for growth in competitive technology and technological infrastructure by increasing accessibility, training, and utilization for the entire campus community.

ACCREDITATION

West Liberty University is accredited by The Higher Learning Commission: 230 South LaSalle Street, Suite 7-500, Chicago, IL 60604-1411.Phone:1-800-621-7440.

Program-specific accreditations:

- Bachelor of Arts in Elementary Education and Bachelor of Arts in Secondary Education
  - Council for the Accreditation of Educator Preparation (CAEP) / National Council for Accreditation of Teacher Education (NCATE)
    - 1140 19th St. NW
    - Washington, DC 20036
    - 202-223-0077
  - West Virginia Department of Education
    - 1900 Kanawha Blvd, East
    - Charleston, WV 25305
    - 304-558-2681
- Bachelor of Science in Athletic Training
  - Commission on Accreditation of Athletic Training Education (CAATE)
    - 6850 Austin Center Blvd., Suite 100
    - Austin, TX 78731
    - 512-733-9700
- Bachelor of Science in Business
  - International Accreditation Council for Business Education (IACBE)
    - 11374 Strang Line Road
    - Lenexa, KS 66215
    - 913-631-3009
- Bachelor of Science in Dental Hygiene and Associate of Science in Dental Hygiene
  - American Dental Association Commission on Dental Accreditation (CODA)
    - 211 E. Chicago Avenue
    - Chicago, IL 60611
    - 312-440-4653
- Bachelor of Science in Exercise Physiology
  - American Society of Exercise Physiologists (ASEP)
    - 1200 Kenwood Avenue
    - Duluth, MN 55811
    - 218-723-6297
- Bachelor of Science in Medical Laboratory Science
  - National Accrediting Agency for Clinical Laboratory Science (NACLS)
    - 8410 West Bryn Mawr Ave., Suite 670
    - Chicago, IL 60631
    - 773-714-8880
- Bachelor of Science in Music
  - National Association of Schools of Music (NASM)
    - 11250 Roger Bacon Drive, Suite 21
    - Reston, VA 20190
    - 704-437-0700
- Bachelor of Science in Nursing
  - Commission on Collegiate Nursing Education (CCNE)
    - One Dupont Circle, NW, Suite 530
    - Washington, DC 20036
    - 202-887-6791
- Bachelor of Social Work
  - Council on Social Work Education (CSWE)
    - 1701 Duke St., Suite 200
    - Alexandria, VA 22314
    - 703-683-8080

STATEMENT OF NON-DISCRIMINATION

West Liberty University prohibits discrimination and is committed to providing equal opportunity and an educational and work environment free from discrimination on the basis of sex, race, color, creed, religion, national origin, ancestry, physical or mental disability, age, sexual orientation, marital or family status, pregnancy, veteran status, service in the uniformed services (as defined in state and federal law), genetic information, gender identity, or gender expression. West Liberty University shall adhere to all applicable state and federal equal opportunity/affirmative action statutes and regulations. The university is dedicated to ensuring access and equal opportunity in its educational programs, related activities, and employment. Retaliation against an individual who has raised claims of illegal

discrimination or cooperated with an investigation of such claims is prohibited. Students and employees may bring questions or concerns to the attention of the Chief Human Resources and Title IX Officer, Diana Harto, Shaw Hall, CUB 131, 208 University Drive, West Liberty, West Virginia 26074, 304-336-8029 and 304-336-8440 (fax).

CAMPUS FACILITIES

ACADEMIC, SPORTS AND RECREATION COMPLEX (ASRC) The complex features an expanded training room, three classrooms wired for computer technology, a conference center, a wellness/fitness center, team rooms and administrative office area.

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

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

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

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

THE ANNEX Located on Faculty Drive, the Annex houses the coaching offices for the sports of baseball and men's and women's soccer.

ARNETT HALL OF NATURAL SCIENCES This building was named for Denver F. Arnett, Academic Dean of WLU from 1955 to 1970. The complex includes twelve laboratories, seven general purpose classrooms, faculty offices, and houses the Biology Program. A greenhouse is located on the south end of the building.

CAMPBELL HALL OF HEALTH SCIENCES This building was named for Clyde Campbell former Chemistry professor and president of West Liberty State College. It houses Nursing, Dental Hygiene, Medical Laboratory Science, Physician Assistant Studies, and Chemistry.

COLLEGE HALL The Helen Pierce Elbin Auditorium seats 450 and serves as a recital hall and center for lectures and other public programs. It is equipped with a 42rank, 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 The Union is designed to serve the social and extracurricular needs of the students, faculty, staff, administration, and guests. The Union serves as a conduit for those services and amenities that make the out-of-class experience a positive aspect of collegiate life.

The Union operates on a schedule that complements the academic timetable. By providing lounges, a Sodexo food court, a Subway franchise, an ATM, and the College Union Office (mailroom, I.D. card operation, general information, vending services, and reserving space within the Union and Interfaith Chapel), the Union helps make the transition from home to WLU a pleasant experience. The bookstore, the student newspaper, the Student Government Association office, and the campus radio station are also located in the Union. The offices within the Union provide programs, services, and facilities to enhance the college experience.

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

HIGHLANDS CENTER The WLU building at the Highlands location has nine high-tech classrooms and 15,900 square feet of space. The state-of-the-art facility houses several degree programs including the Masters of Arts in Education, Masters of Professional Studies, Regents Bachelor of Arts, Arts in Organizational Leadership and Administration, along with a number of undergraduate courses. The facility is located at Cabela Drive (Exit 10) off I-70 just east of Wheeling, W.Va.

INTERFAITH CHAPEL This worship center seats 175 and is equipped with a 33rank, three manual Moeller pipe organ and a piano. Other facilities include three offices, a lounge, 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 a major classroom area. Information technology services are centralized here. The building includes the Curtis and McColloch wings, which were the two original academic facilities on campus. These structures were named for pioneer West Liberty families who played important roles in the early development of WLU.

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

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

room, storeroom, two loading docks, an adjacent grounds storage facility and CAD capabilities.

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

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

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

The University Archives, a division of the Elbin Library, is located on the lower level along with the Humanities Department offices, classrooms, computer lab, and major's lounge.

RESIDENCE HALLS There are five residence halls for students located on campus, one townhouse apartment complex located in the area of faculty housing, two apartment complexes located across the street (Rt. 88) from campus, and several small student houses.

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

SHAW HALL Formerly a women's residence hall named for John Shaw, president from 1908-1919. Shaw was renovated and reopened in 2012. It houses administrative offices in addition to the departments of Campus Police and Student Health Services. Shaw Hall is listed on the National Registry of Historic Places.

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

STANDING COMMITTEES

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

Academic Appeals: Hears cases of students who desire to appeal a final course grade or charges of academic dishonesty (e.g., cheating, fabrication, collaboration, destruction of reference sources, and plagiarism). Each college shall designate one full-time faculty member to serve on the Academic Appeals Committee and one alternate. Faculty members from each college will nominate students at the beginning of the academic year, and the dean will forward these names to the Provost for consideration. For any given case, the committee will consist of three faculty members and two students from outside the college from which the appeal arises.

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

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

Assessment and Accreditation: reviews academic assessment reports required by the Board of Governors and the WV-HEPC during the Program Review process, or as subsequent follow-up reports. Assessment and Accreditation Committee recommendations are shared with the Provost, College Dean, Department Chair or Program Director, and Faculty Assessment Coordinator for each academic program under review. Final recommendations are submitted to the University Board of Governors and the WV-HEPC. The committee includes one faculty representative from each college, the Director of University Effectiveness, and a Chair appointed by the Provost. Membership terms are for three academic years and members may serve multiple terms. If a member is unable to fulfill their role, their college dean nominates a replacement for the remainder of that term.

Campus and Community Diversity: provides leadership in addressing diversity-related issues. The committee includes faculty, staff, students and members of the community.

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

Council of Department Chairpersons and Program Directors: shares information about mutual problems for the purpose of effecting solutions; works cooperatively with other administrators, faculty, and students; makes formal recommendations when necessary in any and all areas of campus and academic life to the

appropriate person or body including but not limited to the President and the Provost. Members: Department chairpersons of all academic departments and Program Directors of all individually accredited academic programs.

Council of 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, Graduate Studies Council, and Faculty Senate. Members: the Provost and the academic college deans.

Distance Education: Provides leadership and oversight for all eLearning (online learning/distance learning). Supports the Office of eLearning and maintains compliance with WLU policy and the National Council for State Authorization Reciprocity Agreement as well as benchmarking performance against the Council of Regional Accrediting Commissions' Interregional Guidelines for the Evaluation of Distance Education. Chaired by the Director of Distance Education, membership includes faculty representatives from each college and school, Office of eLearning staff, and a student selected by Student Government.

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

Faculty Development: meets regularly to manage available faculty development funds. Responsibilities include establishment of guidelines, approval of requests for funding professional activities, and dissemination of information related to faculty development. Members: one faculty member from each college, a department chairperson or program director, a college or school dean, and the Provost or designee.

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

General Studies Assessment: Includes one faculty representative from each academic college in addition to a Chair appointed by the Provost. This committee provides oversight of the assessment of the general studies program and assists with developing and approving rubrics and other measures of student learning for the assessment of general studies skills. Recommends and provides comments on proposals to modify the general studies program.

Graduate Studies Council: 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 relative to graduate education to the appropriate person or body including but not limited to the President, Provost, and Faculty Senate. Serves as a general oversight body for graduate programs. Members: the Provost, Director of Graduate Studies, the deans of academic colleges and schools with graduate programs, one faculty representative from each graduate program, and one graduate student.

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

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

Institutional Review Board: establishes and maintains guiding principles which elicit the highest professional standards in dealing with experimental human subjects in order to provide assurances that proper standards are met, and that procedures do not infringe upon the safety, health, and welfare of subjects at risk. The IRB will consist of at least one faculty representative from each college, an IRB administrator, and an IRB chair. The IRB administrator is the Dean of the College of Sciences, who designates, in consultation with the Provost, an IRB chair. Nominations for IRB membership are submitted by each college dean as necessary, and appointments are determined by the IRB administrator and chair. The IRB administrator and chair are responsible for ensuring that IRB membership composition meets, to the best of their ability, current federal guidelines and regulations. Membership terms are for three academic years and members may serve multiple terms. If an IRB member is unable to fulfill their role, their college dean will nominate a replacement for the remainder of that term.

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

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

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

Research, Creative Activity and Performance (RECAP): plans and organizes the annual RECAP symposium and competition for students of West Liberty University with the goal of recognizing and rewarding outstanding achievement in scholarly research, creative activity and performance among both graduate and undergraduate students. Membership includes faculty and staff.

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

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

Sustainability: Organizes and promotes efforts related to recycling, environmental education, and sustainability. Consists of faculty, staff, and students.

Undergraduate Curriculum: Considers proposals for new degree programs, any major or minor program additions or deletions within a degree program, modifications in the general studies program, and any curricular changes by one college that affect course offerings of other colleges; acts on course additions, deletions, credits, and descriptions. Proposals for new degree programs are sent to Faculty Senate for their consideration. Proposed modifications to the general studies program are made available for consideration and comment to the General Studies Assessment Committee, Council of Deans, and the Faculty Senate prior to being considered by the Curriculum Committee, Council of Deans, and the Faculty Senate prior to being considered by the Curriculum Committee. Members: the Provost, the academic college and school deans, one faculty member from each college, a representative of the Council of Department Chairpersons and Program Directors, the Registrar, and one student elected by Student Government.

FEDERAL AND STATE FINANCIAL AID

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

PELL GRANT PROGRAM: A federal non-repayable grant made to students based on financial need. The current grant amount ranges from $606 to $5,920 for full-time students.

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

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

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

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

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

WORK STUDY: An employment position that is awarded to students showing financial need. The student is awarded work study through the Financial Aid staff. Students apply for available positions through the NEOGOV system. The student receives a paycheck twice monthly. The usual workload per week varies from five to 20 hours. The work-study award is not applied to the student's bill. The institutional April 15 deadline must be met in order to receive work-study. The student must also complete a work-study request by May 1 in the Enrollment Services Center.

DIRECT LOAN PROGRAM: A federal subsidized and unsubsidized loan program available to all students. Maximum loan amounts are $5,500 (no more than $3,500 may be subsidized) for freshmen, $6,500 (no more than $4,500 may be subsidized) for sophomores, and $7,500 (no more than $5,500 may be subsidized) for juniors and seniors. The maximum loan amount for a graduate student is $20,500. Effective loan interest rates for the 2018-2019 academic year: Subsidized loans, 4.45%; Unsubsidized, 4.45%; Graduate loan interest rates: 6.0%. Repayment of the interest and principal begins six months after graduation or enrollment ceases. An Entrance Interview and Exit Interview are also required for any student receiving a Direct Loan. To apply for a Direct Loan, students must complete the FAFSA on line at www.fafsa.gov. Entrance and Exit Interviews must be completed on line at studentloans.gov.

PLUS LOAN: A federal loan program available to parents. A PLUS Loan Data Request Form must also be completed in the Enrollment Services Center or a parent may apply at studentloans.gov. The loan amount is determined either by the parent's request or by the eligibility remaining towards the student's cost of attendance. A credit check is required and will be processed by the Direct Loan Service. The current interest rate is 7.0%. 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. Borrowers have the option of waiting until six (6) months after the dependent student on whose behalf the parent borrowed ceases to be enrolled on at least a half-time basis. PLUS Loans are also available to graduate students. Please contact the WLU ESC for additional information.

SATISFACTORY ACADEMIC PROGRESS FOR FINANCIAL AID ELIGIBILITY

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

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

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

Qualitative Standards:

Students must meet a qualitative standard of academic progress measured through grade point average. The required G.P.A. is based upon the total number of credit hours earned. Freshman students who have earned between 0 and 29 hours must have an accumulative G.P.A. of 1.6. Students who have earned between 30 and 59 hours must have an accumulative G.P.A. of 1.8. Students who have earned 60 or more hours must have an accumulative G.P.A. of 2.0. Graduate students must have an accumulative G.P.A. of 2.5.

Quantitative Standard:

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

Maximum Time Frame for Degree Completion:

Students must obtain their degree objective within 150% of the normal timeframe. Undergraduate students in programs requiring 120 credit hours must complete their first baccalaureate degree within 180 attempted credit hours. Graduate students in programs requiring 36 credit hours must complete their master's degree program within 54 attempted credit hours.

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

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

Appeal Process:

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

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

Financial Aid Probation:

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

SCHOLARSHIPS

Scholarships are awarded on the basis of academic competence and/or special abilities. Scholarships are awarded by the Financial Aid Office to incoming freshmen on the basis of the ACT or SAT scores (not counting writing score) and high school grade point averages. Limited scholarships are awarded to transfer students based on university G.P.A. and high school grade point average, if necessary. Additionally, some scholarships are awarded by various departments of the university on the basis of students' majors and/or special abilities. More detailed information on each of the scholarships offered may be obtained by contacting the Enrollment Services Center. Application deadlines can be found on the WLU webpage.

RESIDENT ASSISTANT POSITIONS

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

INTERCOLLEGIATE ATHLETICS PROGRAM

The mission of the Athletics Department is to support the philosophy, goals, mission, core values, and vision statement of West Liberty University through conducting, regulating, and promoting high-quality intercollegiate athletics programs as an abiding member of the MEC and the NCAA, operating under the Division II Principles of Conduct for Intercollegiate Athletics identified in Constitution 2.

WLU's Intercollegiate Athletic Program is an integral part of the institution's total educational mission. Eighteen men's and women's sports are offered, providing diverse opportunities to accommodate students' needs 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 indoor and outdoor track, men's and women's golf, and women's soccer.

The philosophy of WLU Athletics embraces the concept 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 to the rules and regulations of the MEC and the NCAA, operating under the Division II Principles of Conduct for Intercollegiate Athletics identified in Constitution 2.

The WLU Department of Athletics is committed to upholding the tenets of Title IX to provide a gender-equitable environment and overall student-athlete experience for student-athletes of both genders, and supports the University's overall efforts to maintain gender equity University-wide. 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 NCAA, are updated annually and are available the Department of Education and NCAA websites.

The WLU Department of Athletics does not discriminate on the basis of race, religion, national origin, color, sex, age, veteran status, or disability and promotes an inclusive culture that fosters equitable participation for student-athletes and equitable career opportunities for coaches, administrators and support staff from diverse backgrounds and perspectives, and supports the University's overall efforts to prevent discrimination and foster diversity University-wide. Reasonable accommodations for participation in intercollegiate athletics may be provided for individuals whose disabilities are officially registered with the University's ADA Office based on the recommendation of the University's ADA Coordinator and the Director of Athletics.

TUITION AND FEES

TUITION, FEES, AND EXPENSES

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

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

Students attending the summer sessions will pay tuition, registration, and fees (for each term) at the rates listed online (westliberty.edu/business-office/). Late registration fees and refund policy for summer school classes are published in each summer schedule.

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

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

All registered students will be emailed an invoice prior to the beginning of each semester. Statements will be emailed twice monthly for additional activity on a student account. Failure to receive an invoice ***will not*** be accepted as a reason for late payment(s). Students are able to review their charges and payments through their WINS account 24/7.

A late registration/payment fee shall be imposed upon all students who complete their registration or pay after the regular registration date established by WLU. For listing of registration dates, refer to the academic calendar. Students not having tuition and fees paid are subject to cancellation of registration.

No deposit is required for any registered course, but students will be charged for any equipment damage or broken equipment if the result of student negligence.

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

TUITION REFUND POLICY

A student who withdraws from the University by following the proper procedure may be entitled to a refund of tuition and fees through the Business Office. Students receiving financial aid may owe a balance to the University as the amount of financial aid that a student receives is based on 100% attendance. Once a student withdraws, the University is required to complete a Title IV calculation. This process determines the amount of "earned aid" the student is entitled to. The "unearned aid" must be returned, ultimately leaving the student to have a balance due to the University. Students who officially withdraw from a portion of their courses during the refund period, and such withdrawal results in a reduction of enrolled hours to less than 12, must request a refund from the Business Office. Refunds for reduced course loads are not made automatically; only upon formal request by the student. Refunds are automatically computed only for students who withdraw from all courses during the refund period. A student who is required to withdraw for disciplinary reasons shall not be entitled to any refund. Refunds are calculated from the first full day of classes. Capital fees, orientation, lab and course fees are not refundable.

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

Academic Year (Semester)

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

Half Semester Courses

During the first week……..…… .....90% Refund
During the second week…….…….....70% Refund
During the third week……..…. .....50% Refund
Beginning with the fourth week…….. ..... No Refund

Summer Terms

Refunds for summer session will be received based upon the following schedule:

During the first 10% of the term ....90% Refund
From 11% to 25% of the term ....75% Refund
From 26% to 50% of the term ....50% Refund
After 50% 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 WLU 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

Half Semester Courses

During the first 10% of the term…… ..... 90% Refund
From 11% to 16% of the term……..... 80% Refund
From 17% to 27% of the term……..... 70% Refund
From 28% to 33% of the term……..... 60% Refund
From 34% to 44% of the term……..... 50% Refund
From 45% to 50% of the term……..... 40% Refund
After 50% of the term is completed…….... .....No Refund

Courses with Duration Less than Half Semester

For first-time enrollees and continuing students, refunds for courses with duration less than half a semester shall be established based upon the refund rate for the academic year and calculated using the following schedule:

During the first 17%..... ..... 90% Refund
From 18% to 34%..... ..... 70% Refund
From 35% to 50%..... ..... 50% Refund
After 50% of the course is completed….. .....No Refund

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

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

Allow approximately five weeks for refunds.

FINANCIAL AID REFUND AND RETURN POLICIES

Financial aid is to 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 returned depending upon the number of days the student was enrolled and the amount of aid received. Any questions regarding "unearned financial aid" should be directed to the Financial Aid Office.

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

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

PARKING FEES

Color-coded parking permits (hangtags) are required for all motor vehicles parked on campus. There is a semester fee charged for the parking hang tag. Permits expire July 31 of each year. Loss of a parking permit requires a $80 fee for a replacement and the lost permit will be voided. Students are required to follow all campus parking regulations. Student parking hangtags are distributed in the Student Services office and by Campus Police in the lower level of Shaw Hall.

UNPAID BILLS, FEES, FINES

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

TRANSCRIPTS

Each student is entitled to one official transcript of his/her grades at no charge. There is a first time rush priority fee of $18.00 (same day) transcript request. There is a $8 fee for the preparation of each additional official transcript. If there is rush priority (same day) transcript request, the fee for preparation is $25. A written request is required for a transcript. Requests for transcripts should be mailed, faxed or scanned directly to the Enrollment Center and should include the last date of attendance, social security number, and all last names previously held. Signature of student is also required.

No transcript will be issued if there is a financial obligation to the university. Students have access to an unofficial transcripts in WINS.

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 July 15 for the fall semester and prior to Dec. 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.

Cancellation and Refund forms are available online at westliberty.edu/residence-life/cancel. Graduating seniors' deposits will automatically be refunded.

ROOM AND BOARD PAYMENTS AND REFUNDS

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

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

CAMPUS LIFE AND POLICIES

E-MAIL AND ONLINE WINS ACCOUNTS

All enrolled students will be assigned a WLU email account. Administration and faculty will distribute information to students through the students WLU email account. Students must regularly check their email accounts in order to stay informed of class assignments, deadlines, registration information and other campus information. Students should contact IT Services for email-related questions. New students will have email accounts created prior to the beginning of the entering semester, assuming the student is registered for classes. Students are required to use the WLU email account for university business. Billing statements will be sent to students via their WLU email account. The West Liberty University email policy can be found on our webpage at https://westliberty.edu/it/student-technology-serv/email-policy/.

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

- Accept Financial Aid Awards
- View and verify personal information (addresses, telephone numbers, major, advisor, etc.)
- Access Mid-term and Final Grades
- Register for courses
- View unofficial transcripts
- Access billing and financial aid information
- Topper Tracks (Degree Audit)

Students should contact the Enrollment Center for WINS questions.

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

STUDENT LIFE POLICIES

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

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

TITLE IX

Title IX of the Educational Amendments Act of 1972 (amending the Higher Education Act of 1965) is the federal law prohibiting sex discrimination in educational institutions. This act is codified as Title 20, United States Code, Chapter 38, Sections 1681-1686. The act was also amended by the Civil Rights

Restoration Act of 1987 ("Title IX").

The law states that "no person in the United States shall on the basis of sex be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving federal financial assistance." The amendment in 1987 expanded the definition of program or activity to include all the operations of an educational institution, governmental entity, or private employer that receives federal funds.

West Liberty University is committed to providing a safe, healthy, and respectful living, learning, and working environment for all members of its' community. Gender-based misconduct, which includes sexual or gender-based or gender identity based discrimination, harassment, exploitation, violence, assault, and more, is incompatible with the values and standards of our campus community. Reports of behavior that involves gender-based misconduct against any member of the campus community, including visitors, will be investigated and addressed in a timely manner in order to ensure the safety and well-being of both the individuals involved and the larger West Liberty University community.

THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

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

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

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

Students may complete a Request for Disclosure form in the Enrollment Center, 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 Enrollment Center.

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

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

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

Students may not inspect and review the following as outlined by the Act: financial information submitted by their parents; confidential letters and recommendations associated with admissions, employment or job placement, or honors to which they have waived their rights of inspection and review; or education records containing information about more than one student, in which case the institution will permit access only to that part of the record which pertains to the inquiring student. The institution is not required to permit students to inspect and review confidential letters and recommendations placed in their files prior to January 1, 1975, provided those letters were collected under established policies of confidentiality and were used only for the purposes for which they were collected.

Students who believe that their education records contain information that is inaccurate or misleading, or is otherwise in violation of their privacy or other rights, may discuss their problems informally with the Registrar or appropriate campus official. If the decisions are in agreement with the students' requests, the appropriate records will be amended. If not, the students will be notified within a reasonable period of time that the records will not be amended; and they will be informed of their right to a formal hearing. Student requests for a formal hearing must be made in writing to the Provost, who, within a reasonable period of time after receiving such requests, will inform students of the date, place, and the time of the hearing. Students may present evidence

relevant to the issues raised and may be assisted or represented at the hearings by one or more persons of their choice, including attorneys, at the students' expense. The hearing panels, which will adjudicate such challenges, will be the vice president for academic affairs, vice president for student affairs, a faculty member appointed by the president, and a student appointed by student government.

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

Students who believe that the adjudications of their challenges were unfair, or not keeping with the provisions of the Act, may request, in writing, assistance from the President of the institution. Further, students who believe that their rights have been abridged may file complaints with the Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Ave. S.W., Washington, D.C. 20202, concerning the alleged failures of WLU to comply with the Act.

CAMPUS LIFE

Being a college student is about finding opportunities to learn about one's self whether in or out of the classroom. The Office of Housing and Student Life works to provide co-curricular activities for those who want to be involved at West Liberty. Whether it is a student organization, Student Government Association, leadership programs, Campus Activities programs, or Greek Life, there is something for each student who wants to get involved. West Liberty has more than 50clubs and organizations.

Campus Activities further seeks to provide leadership, involvement, and engagement opportunities for students in the planning, proposal, promotion, and presentation of a variety of activities. These activities are designated to serve the cultural, educational, and social interests of the WLU community. Campus Activities and the Student Government Association traditionally sponsor, plan, promote, and present several major events yearly. Some of these include TopperFest, West Lib Idol, Open Mic Nights, and Team Trivia. Involvement in campus activities can provide students a foundation for success, a passion for learning, and a commitment to responsible global citizenship while fostering creativity and service. Additional information is available throughout the semester through the Office of Housing and Student Life.

RESIDENCE LIFE

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

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

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

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

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

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

Hughes Hall Hughes Hall is a co-ed residence hall for upper-class students. Hughes Hall was named for Raymond G. Hughes, a member of the English faculty from 1931 until 1970. Hughes Hall is suite style, fully-carpeted with air conditioning and semi-private baths.

Krise Hall Krise Hall is a co-ed residence hall for upper-class students and first-year honor 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.

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

INTRAMURALS

The Intramural program is one of the great traditions at WLU. WLU offers competitive and recreational activities within a variety of individual and team sports that involve hundreds of students annually. Individual sports include billiards, racquetball, tennis, and table tennis. Team sports include flag football, soccer, volleyball, bowling, 3v3 and 5v5 basketball, floor hockey, dodgeball, kickball, and softball. Some sports have multiple leagues (i.e. men's, women's, coed). Each year new events are planned based on the students' wants. The Intramural program is operated by the Office of Housing and Student Life.

ALUMNI ASSOCIATION

The West Liberty University Alumni Association was founded in June 1877 with 103 members. From its beginning, the growth and development of the Alumni Association has been dedicated to promoting the interests of WLU 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 WLU and its administration, staff, faculty, students, and friends.

Today, the Alumni Association represents over 50,000 alumni and continues to foster a spirit of unity and fellowship through communications, development, publicity, special events, recruiting, and career exploration to meet the diverse interests of its constituents.

ALUMNI ASSOCIATION "WALL OF HONOR"

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

The concept was suggested by then Associate Professor of Physics Robert W. Schramm, a 1958 graduate of the university and a 2002 Alumni Wall of Honor inductee. Schramm passed away in 2014.

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

COUNSELING SERVICES

Counseling Services are confidential and free of charge and are located on the second floor of the Student Union, S 14.

Personal problems may arise that interfere with a student's adjustment and academic success. Seeking help or advice is not an admission of weakness, but a demonstration of a student's determination to help themselves' during a challenging or critical period of adjustment.

COMMON ISSUES ON TODAY'S CAMPUSES:

- Academic Concerns
- Alcohol Abuse
- Anxiety
- Depression
- Drug Abuse
- Eating Disorders
- Grieving
- Homesickness
- Identity Issues
- Relationship Issues
- Self-injurious Behavior
- Sexual/Physical Assault
- Sleep Difficulty
- Stress
- Suicidal Thoughts or Gestures

Appointments can be scheduled by :

1. Sign into your Wins account:
   - Click Student Services
   - Click Request a Counseling Session
2. Email: lwitzberger@westliberty.edu
3. Call 304.336.8215
4. Use referral box beside office door
5. Walk – In

DEPARTMENT OF CAMPUS POLICE

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

Campus law enforcement is primarily the responsibility of the Department of Campus Police, which provides 24-hour-a-day patrol to the grounds, parking lots, residence halls, academic buildings and the faculty housing area. The Campus Police Office is located on the lower level in Shaw Hall. Officers may be reached by calling 304.336.8021. All should be called in the event of an emergency.

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

West Liberty University has met or exceeds the training standards of the West Virginia Criminal Justice and Highway Safety Law Enforcement Training Committee. They also receive on-going in-service and specialized training in non-violent crisis intervention, legal updates, domestic violence, firearms, and other skills.

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

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

ANNUAL REPORT ON CAMPUS SAFETY

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

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

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

CAMPUS AUTOMOBILE REGULATIONS

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

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

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

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

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

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

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

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

THE UNIVERSITY IS NOT RESPONSIBLE FOR DAMAGE OR THEFTS.

ACCESSIBILITY SERVICES

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

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

The Accessibility Services Office can arrange to provide the student with several academic and campus life support services tailored to their specific needs. For information, please call 304.336.8018. Services are located in Main Hall, Room 140.

STUDENT HEALTH SERVICES

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

1. MANDATORY HEALTH FORM. Completion of the Mandatory Health Form is required of each student entering the university whether he/she enters as a freshman or as a transfer student. The Mandatory Health Form may be completed by the student in advance of registration and sent to the University Student Health Services. Students who fail to submit the required health form may be denied student medical care, participation in intercollegiate sports, or entry into some academic programs.
2. PHYSICIANS. During the regular university year a university physician is available for consultations with and treatment of university students Monday-Friday mornings. The physician's schedule varies. Please call Student Health Services or check the Student Health Services website for the physician's schedule. Physicians are also available at Doctors Urgent Care during hours of operations.
3. REGISTERED NURSES. Evaluation and treatment of students with health concerns will be provided by the Health Services Director, who maintains regular office hours (7 a.m. to 3 p.m.) Monday through Friday. There is no charge for these services.

DENTAL HYGIENE CLINIC

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

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

CAREER SERVICES

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

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

Services:

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

Students may call 304.336.8018 or visit Main Hall, Room 140, to make an appointment.

OFFICE OF ELEARNING

The Office of eLearning, located in the east wing of Main Hall, supports the design, development, and delivery of online courses and programs for students who need or want to learning without the barriers of time or place. The Office of eLearning provides an orientation to online learning to students (via the College 101 course) and formal and informal instructional design training and services for faculty. Both phone and email support is available for students and faculty who have technical and navigational issues with the online courses and the Learning Management System (Sakai).

INFORMATION TECHNOLOGY SERVICES

Information Technology Services (ITS) facilities are located in the basement of the East Wing Main Hall. IT Services provides services and support for the students, faculty, and staff of WLU.

Wireless Access: High-speed network and wireless connectivity is available across campus and in many outdoor areas. Employee wireless is available by connecting to WLU-WiFi. Your username is the first part of your westliberty.edu email address and your password is your 8 digit birthdate. If you need wired connectivity, please contact IT Services to have your computer registered to the network. The WLU-Guest wireless network is reserved for visiting guests of the university. Special devices such as Apple TV's, Roku's, Google Chromecast, Wireless Printers, etc., must be registered with IT Services before it can connect to the wireless network. The Highlands Center has a wireless network in the classrooms and administrative offices. All the residence halls have COMCAST high-speed internet WiFi and digital TV services.

Support tickets can be created at http://westliberty.edu/helpdesk
For more information on services and policies, please visit our webpage at https://westliberty.edu/it/

ADMISSIONS AND ACADEMIC POLICIES

Due to the varying accreditation and licensure standards for the programs listed below, the individual programs' policies and procedures including, but not limited to, those dealing with program admission, dismissal, student standing, and appeal processes related to these, take precedence over West Liberty University policies and procedures.

- Athletic Training
- Dental Hygiene
- Exercise Physiology
- Medical Laboratory Science
- Music
- Nursing
- Physician Assistant Studies
- Professional Education
- Social Work

ADMISSIONS POLICY

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

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

Application Fee

No application fee is required.

High School Graduates

To be eligible for admission, students must graduate with a cumulative grade point average of at least 2.0 (on a 4-point scale) and an 18 composite score 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 (prior to March 2016) or the new SAT (March 2016 – Present) examination, these scores may be substituted for the ACT. A minimum combined Evidence-Based Reading & Writing and math score of 950 on the SAT 1 is required on the SAT. In instances where students have taken the new SAT (tests taken prior to March 2016), these scores will be converted to ACT equivalents by using the appropriate conversion chart authorized by the Chancellor. These students will not be required to take the ACT at a later time.

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

UNITS (YEARS)

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

SELECTIVE SERVICE REGISTRATION

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

at all U.S. Postal Service facilities and can be accessed on the Internet at www.sss.gov.

DEVELOPMENTAL SKILLS PROGRAM ASSESSMENT AND PLACEMENT STANDARDS

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

English Composition

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

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

b. A score of 450 or above on the verbal portion of the SAT. For students taking the SAT March 2016 or later, 480 score on Evidence Based Reading & Writing (ERW).

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

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

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

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

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

3. Students not meeting the standards described in (1) and (2) above must successfully complete an integrated English (ENG) 101 course.

Mathematics

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

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

b. A score of 460 or above on the quantitative portion of the University Board's Recentered Scholastic Aptitude Test (SAT). For students taking the SAT March 2016 or later, 500 score on math.

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

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

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

2. Students not meeting this standard must successfully complete an integrated math courses.

Reading

1. Students scoring 17 or above on the reading section of the ACT, 420 or above on the verbal section of the Recentered SAT, 36 or above on the reading skills test of the ASSET, or 30 percentile or above on the NelsonDenny Reading Test will be considered to have met minimal reading skills requirements.

2. Students who do not meet the reading comprehension standard may petition the WLU Learning and Student Development Center for assistance in a reading comprehension program.

IMMUNIZATION REQUIREMENT

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

TRANSFER STUDENTS

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

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

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

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

A cumulative grade point average of at least 2.0 is normally required for transfer students. A student with slightly less than a

2.0 may be considered for admission by the Committee on Admissions and Credits if extenuating circumstances are involved.

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

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

Any student who enrolls at WLU without reporting all previous college/university attendance will be subject to suspension.

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

TRANSFER CREDIT APPEALS PROCESS

All courses completed at public institutions in West Virginia are generally considered as transferrable to West Liberty University. Courses that share at least 70% of their learning objectives with existing WLU courses will be accepted in place of those WLU courses, and will fulfill specified program and degree requirements.

If a course is not accepted as requested by the student, the following appeal process is available:

1. The student will provide a written request for re-evaluation of the course transfer, along with a copy of the syllabus for the course taken, to the dean of the college in which the course for which the student desires credit is located. The dean may request additional information from the student. Once all materials are received, the dean will respond to the student in writing, with copies to the Registrar and Provost, within 10 working days.
2. If the dean denies the transfer, the student may submit a further written request, which includes the course syllabus, to the Provost. The Provost may request additional information from the student or dean. Once all materials are received, the Provost will respond in writing to the student, with copies to the appropriate dean and the Registrar, within 10 working days.
3. If the Provost denies the transfer, the student may request a review by the West Virginia Higher Education Policy Commission Division of Academic Affairs. Instructions for submitting such requests can be found on the WV-HEPC website. The Joint Recommending Committee on Transfer and Articulation (JRC) will consider such requests. This body may request additional information. Once all materials are received, the JRC will issue a recommendation to the president of the receiving institution within 10 working days.
4. Within 30 days of receiving the JRC recommendation, the president of the receiving institution will communicate the final decision to the student, with copies to the dean, Provost and Registrar. The President's office will also submit a report to the HEPC Division of Academic Affairs.

INTERNATIONAL STUDENTS

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

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

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

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

If the student has attended a previous college/university, transcripts must be provided by the college/university. All foreign high school or college transcripts and any supporting credentials must be certified English translations.

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

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

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

ADMISSION THROUGH THE HIGH SCHOOL EQUIVALENCY EXAM

Non-high school graduates who meet their home state's requirements for granting the high school equivalency will need to submit the appropriate documentation. For the State of West

Virginia, students will need to submit the "State of West Virginia High School Equivalency Diploma."

If the diploma was awarded within the last five years, applicants are also required to take the American College Test (ACT) or the Scholastic Aptitude Test (SAT).

HOME-SCHOOLED ADMISSION POLICY

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

Immunization records must also be submitted before enrollment.

Required Documentation

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

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

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

Required Courses

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

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

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

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

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

In addition, students who were homeschooled and wish to receive federal and/or state financial aid must have a state approved diploma or a recognized equivalent such as the GED or TASC.

EARLY ENTRANCE PROGRAM FOR HIGH SCHOOL STUDENTS

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

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

ADVANCED PLACEMENT

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

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

REGISTRATION

The calendar of the academic year specifies the days when registration occurs. It is important that students register on these

days. Students are required to meet with Academic advisors. Freshman students are required to be present for orientation preceding the arrival of upperclassmen. Orientation/registration is held during the summer for freshmen and transfer students. All new students are required to participate in these events. Enrolled students register online via WINS accounts.

CREDIT HOUR

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

65 PLUS PROGRAM

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

STUDENT ASSESSMENT REQUIREMENT

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

COMMITTEE ON ADMISSIONS AND CREDITS

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

PASS/FAIL AND CREDIT/NO CREDIT COURSES

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

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

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

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

COMPRESSED DEGREE PROGRAMS

Each college of the institution will have the discretion to offer any of its programs in a compressed 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 a complressed format are subject to all academic regulations applicable to degree programs offered in the semester format.

AWARDING OF CREDITS FOR WORK AND LIFE EXPERIENCE

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

Within the School of Professional Studies, non-traditional students enrolled in a compressed program, the Regents Bachelor of Arts (R.B.A.), or the Bachelor of Organizational Leadership and Administration (B.L.A.) may receive credit for work/life experience, referred to as Prior Learning Assessment (PLA). PLA credits are established by review of portfolios, which must demonstrate

mastery of exit competencies for each course requested. PLA credits may be granted only for courses currently listed in the WLU Catalog. PLA credits are not to be used in the computation of G.P.A.. and may not be used to meet stated residency requirements. PLA credits will not be posted to a student's transcript until that student has registered for and completed at least 12 semester credit hours at WLU. A one-time fee will be charged for the assessment of PLA portfolios in addition to the per credit hour fee. For more information about PLA, see the School of Professional Studies section of the University Catalog.

All RNs requesting admission to the RN-BSN program will receive 30-31 undifferentiated nursing credits for lower division nursing coursework based on current registered nurse license and graduation from an accredited school of nursing within the past 10 years or employment as an RN within the past three years. In addition, the science support courses will considered fulfilled in those courses were also included in the diploma nursing curriculum.

Upon successful completion of 12 credit hours at WLU, 12 credit hours will be awarded if the student has passed the ASCP BOC for laboratory technicians or has a minimum of two years of experience in laboratory science.

CORE COURSEWORK TRANSFER AGREEMENT

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

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

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

Art 140	Geography 205
Biology 105/106	Geography 206
Biology 124/125	History 103
Biology 200/201	History 104
Biology 202/203	History 210
Chemistry 100/101	History 211
Chemistry 110/111	Math 102
Chemistry 112/113	Math 140
Communication 101	Math 145
Economics 101	Math 210
Economics 102	Music 130
Economics 103	Music 133
Economics 203	Physics 101/110
English 101	Physics 102/111
English 102	Physics 190/191
English 203	Physics 360
English 204	Political Science 101
English 205	Political Science 202
English 214	Political Science 201
English 215	Psychology 101
	Sociology 150
	Theater 100

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

CREDIT FOR MILITARY SERVICE

Up to four semester hours of credit can be granted to individuals who present a copy of their DD214 after completing a minimum of one year of active duty. Such credit will be recorded

on the student's record after one year of attendance at WLU and the completion of a minimum of 24 hours of credit. These hours will be counted as general electives and will not replace any required courses; the credits will count toward graduation.

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

VETERANS CERTIFICATION

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

INTERN PROGRAM IN WASHINGTON, D.C.

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

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

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

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

SCHOLARS PROGRAM

The West Liberty University Scholars Program was established to attract top academic students. Students entering as a first-time freshman may qualify for one of three designations within the Scholars Program. In addition to receiving a four-year academic scholarship, students receive other benefits under this program. A 3.5 grade point average is required to remain in the scholars program.

Elbin Scholars

Students accepted for admission with at least a 3.75 high school grade point average (on a 4.0 scale) and at least an ACT composite score of 27 (1290 SAT1* combined ERW/math) are designated as Elbin Scholars. The Elbin Scholar designation is the highest scholar designation, and is named for Dr. Paul Elbin, who served as president of West Liberty University for 35 years. Students admitted as Elbin Scholars receive:

- A minimum four-year academic scholarship offer of $4,000 per year (in addition to the PROMISE scholarship) for West Virginia residents and $12,000 for non-residents. Elbin Scholars with a 4.00 high school grade point average and 30 ACT composite score (1400 SAT1*) at the time of graduation will receive a full scholarship covering mandatory tuition and fees
- General studies credit based on ACT sub scores of 27 (630 SAT1*) or higher
- Priority scheduling
- Enter WLU as a member of the Honors College
- Transcript designation as an Elbin Scholar
- Recognition at graduation as an Elbin Scholar

Presidential Scholars

Students accepted for admission with at least a 3.75 high school grade point average (on a 4.0 scale) and an ACT composite score between 24-26 (1160-1280 SAT combined ERW/math) are designated as Presidential Scholars. Students admitted as Presidential Scholars receive:

- A minimum four-year academic scholarship offer of $3,000 per year for WV residents, and $7,500 for non-residents.
- General studies credit based on ACT sub scores of 27 (630 SAT) or higher
- Enter WLU as a member of the Honors College
- Priority scheduling
- Transcript designation as a Presidential Scholar
- Recognition at graduation as a Presidential Scholar

Foundation Scholars

Students accepted for admission with at least a 3.75 high school grade point average (on a 4.0 scale) and an ACT composite score of 22-23 (1100-1150 SAT1* combined ERW/math) are designated as Foundation Scholars. Students admitted as Foundation Scholars receive:

- A minimum four-year academic scholarship offer of $2000 per year
- General studies credit based on ACT sub scores of 27 (630 SAT1*) or higher
- Enter WLU as a member of the Honors College
- Priority scheduling
- Transcript designation as a Foundation Scholar
- Recognition at graduation as a Foundation Scholar

For more information on the WLU Scholar Program, please contact Katie Cooper, Director of Financial Aid, at 304.336.8016.

TUTORIAL SERVICE

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

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

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

FIRST-YEAR AND RETENTION PROGRAMS AND SERVICES

The following programs and services are coordinated through the Learning and Student Development Center:

- First-Year Experience course
- At-risk student monitoring and academic advising
- PARENT POWER news bulletin

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

RESIDENCY CLASSIFICATION FOR ADMISSION AND FEE PURPOSES

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

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

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

2. Residence Determined by Domicile

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

3. Dependency Status

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

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

4. Change of Residence

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

shall be effective for the academic term or semester next following the date of application for reclassification.

5. Military

An individual who is on full-time active military service in another state or a foreign country or an employee of the federal government shall be classified as in-state student for the purpose of payment of tuition and fees, provided that the person established a domicile in West Virginia prior to entrance into federal service, entered the federal service from West Virginia, and has at no time while in federal service claimed or established a domicile in another state. Sworn statements attesting to these conditions may be required. The spouse and dependent children of such individuals shall also be classified as in-state students for tuition and fee purposes.

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

6. Aliens

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

7. Former Domicile

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

8. Appeal Process

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

POLICY ON ACADEMIC DISHONESTY

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

1. 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; and/or 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; and/or 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; and/or permitting another to copy from his/her paper during an exam.

d. Destruction of Reference Sources and/or 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.

f. Misrepresentation of statistics

2. Penalties:

A student who violates the academic honesty policy may be subject to one or more of the following penalties:

a. A faculty member may award a failing grade on an assignment; lower a course grade or award a failing course grade, including a WF should the student withdraw from the class prior to the 2/3s withdrawal deadline.

b. The University may place the student on probation.

c. The University may suspend the student.

d. The University may expel a student from a program or the University.

3. Procedures for Handling Academic Dishonesty Cases:

a. As soon as is reasonable after discovery of the offense, the faculty member will discuss the incident with the student. A condensed written explanation of the charges / incident and the specific penalty being administered or recommended is to be filed with the Provost's Office within five (5) working days using the online form for that purpose available through the Provost's web pages. The Provost's Office will provide copies of the report to the appropriate academic administrators.

b. Cases of academic dishonesty where the imposed penalty is one of those listed in Section 2.a will be resolved between the faculty member and the student. In such cases the student maintains the right to appeal the course grade per WLU Policy.

c. If the faculty member is recommending one of the penalties from Section 2.b, 2.c, or 2.d, the proposed penalty may be initiated by the appropriate Chair, Program Director, or Program Coordinator after consultation with the faculty member and appropriate Dean.

d. In cases of multiple, separate incidents of academic dishonesty by the same student, the Provost may initiate one of the penalties from Sections 2.b, 2.c or 2.d.

e. When a penalty from Section 2.b, 2.c or 2.d is administered, the student has the right to appeal per the Academic Probation and Suspension Appeals Policy and Procedure.

STUDENT RIGHTS AND RESPONSIBILITIES

Policies, Rules, and Regulations Regarding Student Rights, Responsibilities, and Conduct are published in the Student Handbook. This Code of Conduct 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

West Liberty University provides for the computing needs of the educational community, both academic and administrative. The systems and machines used to this end must be protected from misuse and unauthorized access.

This policy addresses the university's computer systems and refers to all hardware, data, software, and communications networks associated with these computers. In particular, this policy covers computers ranging from multi-user timesharing systems to single user personal computers.

Scope

This policy applies to all WLU staff, faculty, administrators, officers, and students.

Policy

WLU computer resources are provided primarily for the use of faculty, staff, and students. They are intended to be used for administrative and educational purposes to carry out legitimate WLU business.

Access to network resources is a privilege. It requires individual computer users to act responsibly, conserve computer resources, and consider the rights and privacy of others. These network resources are the property of WLU and use of any computing resource constitutes acceptance of this policy.

Common Forms of Computer Abuse

- Privacy
- Reading another user's files (protected or not)
- Deliberate, unauthorized attempts to access or use West Liberty University's computers, systems, or data
- Theft
- Using deception to avoid computer use charges
- Deliberate, unauthorized use of another user's account or files
- Abusing specific resources
- Removing any equipment (hardware, software, data) without authorization
- Copying or attempting to copy data or software (protected or unprotected) without proper authorization
- Harrassment
- Interfering with legitimate work of another user (via computer or in person)
- Sending abusive or obscene messages via computers
- Miscellaneous
- Unauthorized and time consuming recreational game playing
- Using computer accounts for work not authorized for that account
- Sending chain letters or unauthorized mass mailings
- Personal advertisement
- Removal or deletion of software without authorized permission
- Installing abusive or obscene software or files
- Unauthorized attempts to replace computer or printer components
- Unauthorized attempts to repair or tamper with computers or printers

Computer Usage Guidelines

- Users are to have valid, authorized accounts and may only use their account in accordance with its authorized purpose. Users should not let another person use their account.
- A user may not change, copy, delete, read, or otherwise access files or software without the explicit permission of the owner.
- A user may neither prevent others from accessing the system nor unreasonably slow down the system by deliberately running wasteful jobs or programs, sending mass mailings, or chain letters.
- Users should assume that software they did not create is copyrighted. They may neither distribute copyrighted or proprietary material without the written consent of the copyright holder nor violate copyright or patent laws concerning computer systems (hardware/software).
- Users must not use the West Liberty Univeristy computer systems to violate any rules in the W.Va. Classified Employee Handbook, Faculty, and Student Handbooks, or any local, state, or federal laws.

Enforcement

Although WLU does not routinely monitor computer and network use, we do reserve the right to monitor it for operational needs and to ensure compliance with applicable laws and WLU policies. West Liberty University considers any violation of this policy serious and

reserves the right to warrant immediate action without prior verbal warning.

Penalties

Action to be taken as a result of abuse or misuse of WLU's computing services may include, but not necessarily be limited to:

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

GRADES AND REPORTS

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

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

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

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

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

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

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

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

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

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

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

QUALITY POINTS

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

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

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

All grades earned in undergraduate university-level courses at West Liberty University and transferable courses will be included in the computation of the grade point average.

Grades earned in graduate courses will not be included in the undergraduate grade point average. There will be a graduate grade point average calculated.

ACADEMIC APPEAL

I. General Information

The evaluation of student performance is based on the professional judgements of instructors, and matters of academic judgment cannot be appealed. Only final grades may be appealed. In a grade appeal, the student has the burden of proof in establishing cause for a grade change. The only bases on which a grade may be appealed are:

A. the grade awarded was arbitrary, capricious, or prejudiced, (for example: the instructor did not apply the same grading criteria to the appealing student as for other students), or;
B. the grade assigned was awarded as a result of an error in calculating, recording, or reporting a final grade.

II. Level 1 – Informal Instructor Conference

1. Any student wishing to appeal a grade must contact the instructor to present the case within 15 business days of receiving the final grade. This conference may be conducted by email or other electronic means. If the instructor does not respond within 5 days, the student should contact the Program Director or Department Chair for assistance.
2. If the conference results in a resolution that is satisfactory to the student and instructor, no further action is required.

III. Level 2 – Academic Appeals Committee

1. If the dispute cannot be resolved through the Level I instructor conference, the student may file a formal grade appeal by completing the Level 2 Grade Appeal Form located on the webpage of the office of the Provost at https://westliberty.edu/provost-office/resources/. The Level 2 appeal must be initiated within 10 business days of the conclusion of the Level 1 conference.
2. The Provost will convene a hearing of the Academic Appeals Committee as soon as possible after receipt of the grade appeal form. Every reasonable effort will be made to accommodate student and instructor preferences for the hearing date, however the hearing shall not be delayed beyond the mid-point of the semester following that during which the course was taken. Either party may elect to participate via electronic means or by written submission only.
    a. Hearing the case will be a committee of three full-time faculty members and two students. The Provost or designee will chair the committee as a non-voting member.
    b. The faculty members will be chosen from the standing Academic Appeals Committee. Each college shall designate one full-time faculty member to serve on the Academic Appeals Committee and one alternate. For any given case, the faculty members chosen will be outside the college from which the appeal arose.
    c. The students will be chosen from the standing Academic Appeals Committee. Faculty members from each college will nominate students at the beginning of the academic year, and the dean will forward these names to the Provost for consideration. For any given case, the students chosen will be outside the college from which the appeal arose.
3. At the hearing, the student and instructor will each be given an opportunity to state their case, provide written evidence, provide witness testimony, and answer committee members' questions. The student will make the first presentation.
4. Both the student and instructor may be accompanied by an advisor of her or his choosing from the university (student, faculty, or staff). Such advisors may consult with their advisees, but may not speak on behalf or otherwise participate directly in the proceedings unless given specific permission to do so by the committee chair. Neither party is permitted to bring an attorney into the hearing. The Academic Appeals Committee chair shall ensure detailed minutes of the work of the committee, including a record of the final vote, are recorded.
5. The committee may request any individual to give testimony. After each side had the opportunity to present evidence and make statements, the commi9ttee will meet to deliberate.
6. The final decision of the committee will be made by majority vote. The decision shall be forwarded to the student, instructor, and dean involved within 5 business days of the hearing. If the decision requires a change of grade, the instructor shall take action in accordance with the committee's decision by contacting the registrar's office to change the grade. If the instructor does not act within five business days, the dean shall make the necessary grade adjustment.
7. The minutes of the work of the committee shall be maintained in the Provost's Office for at least three years and shall remain confidential. Access shall be limited to the involved student and instructor, and appropriate staff and administrators.

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 before the last date to drop 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

Students can repeat up to 21 credit hours of courses with grades of D or F under the Higher Education Policy Commission's Course Repeat Policy. Students repeating courses prior to the fall of 2018 will not have those courses count towards the 21 credit hour limit.

The original grade of D or F will be removed from the grade point average once repeated, but will remain on the transcript.

Up to 8 credit hours of C grades can be repeated as part of the 21 credit hour limit. However, a request form, available in the Enrollment Services Center, must be signed and approved by the Department Chairperson/Program Director for the student's respective major.

A student may repeat courses beyond the 21 credit hour cap. However, after the cap has been reached, all repeated courses will count in the grade point average. Courses passed and repeated after 21 credit hour cap has been reached will only have the course counted once towards graduation requirements.

ACADEMIC FORGIVENESS POLICY

Academic forgiveness is intended for the student who is returning to university and who has not been enrolled as a fulltime student (12 or more credit hours) in any institution of higher learning during the four consecutive academic years immediately preceding the readmission semester. Only the students applying for readmission after the effective date of this policy will be eligible for forgiveness under this policy. When academic forgiveness is granted, failing grades earned prior to the four consecutive academic year period immediately preceding the beginning of the readmission semester are excluded from the computation of the grade point average. However, no failing grade will be removed from the permanent record. The academic forgiveness policy may be applied after a student has completed a semester as a fulltime student, has earned at least 12 credit hours that apply toward graduation, and has achieved a G.P.A. of at least 2.0 for that readmission semester.

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

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

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

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

PROBATION AND SUSPENSION POLICY

1. Any student whose cumulative scholastic record shows a grade point average below a 2.00 will automatically acquire probationary status.

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. Students will be placed on academic suspension only if they have been placed on academic probation previously, or admitted on probation. Students who have been on probation or admitted on probation at least once, must meet a minimum grade point average as listed below in order to avoid academic suspension.

0-29 credit hours earned
Minimum G.P.A. of 1.60
30-59 credit hours earned
Minimum G.P.A. of 1.80
60 credit hours or more earned
Minimum G.P.A. of 2.00

Student records are reviewed for probation and suspension at the conclusion of each semester. Students placed on academic probation or suspension are notified in writing. A student's first academic suspension with be for one semester

4. A student returning from a period of suspension will reenter on a probationary basis and will remain on that basis until the grade point deficit is removed. The length of time permitted to remain in university after such a return will depend upon the progress which is made toward reducing the quality point deficit each semester. A second suspension will be for a one-year period.

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

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

7. Transfer students must adhere to the above policies.

CLASS ATTENDANCE POLICY

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

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

Instructors **must** distribute written copies of their attendance policy to students in their classes, their Department Chairperson, and the appropriate Dean before the end of the first week of classes.

Regularly scheduled classes take precedence over all other activities. No penalty may be imposed upon a student for failure to perform curricular or extra-curricular responsibilities that are scheduled in conflict with a regular class. All persons scheduling such curricular or extra-curricular activities shall circulate a list of student participants. This list is for the instructors' information and it **does not constitute an administrative excuse from class.**

Instructors should provide, within reason, opportunity for students who miss class for university-recorded curricular and extra-curricular 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. Faculty are expected to maintain student attendance records in their classes.

The Provost and the Dean of Students requests that faculty report students whose class standing is in jeopardy because of

excessive absences. Excessive absenteeism should also be reported to the student's academic advisor.

Failure to attend the first scheduled meeting of classes may result in the loss of the student's position in those classes unless he/she has notified the instructor prior to the first meeting that he/she will be unable to be in attendance. Furthermore, all attendance policies go into effect upon the first meeting of class.

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

WITHDRAWAL FROM UNIVERSITY

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

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

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

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

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

PROCEDURES FOR STUDENTS CALLED TO ACTIVE MILITARY SERVICE

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

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

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

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

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

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

ACADEMIC LOAD

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

Students taking 19 hours or more will pay an additional service fee.

ONLINE COURSES

West Liberty University offers a variety of online courses delivered via the Learning Management System, Sakai 11.2. While not all courses are offered online, those that are meet the same outcomes and standards of rigor as their classroom counterparts. An orientation to online learning is offered in each

section of College 101 so that students are prepared to be successful in online coursework.

CLASSIFICATION OF STUDENTS IN SEMESTER HOURS

Seniors:	90+
Juniors:	60-89
Sophomores:	30-59
Freshman:	0-29

DEAN'S LIST

At the end of each semester the Enrollment Services Center prepares a Dean's List of students who have done outstanding scholastic work for that semester. To be eligible for the Dean's List, a student must complete a minimum of twelve semester hours with a 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 faculty member who helps the student in the process of planning his or her career of coursework at WLU. Because not all courses are offered every semester, and course offerings may vary from one year to the next, students are required to consult with their academic advisor at least once each semester prior to registration.

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

GENERAL REQUIREMENTS FOR GRADUATION

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

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

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

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

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

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

6. For graduation, all applicants must have a cumulative grade point average of at least 2.00. To be eligible for graduation in any Teacher Education program, a minimum cumulative grade point average of 3.0 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:

(ENG 101 *and* 102) or ENG 103

COM 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 WLU, provided the degree is conferred within six calendar years from the time of entrance. However, students majoring in teacher education are subject to any changes mandated by state or national requirements. Students who have interrupted attendance in university will generally be required to meet the requirements of the catalog in effect at the time of re-entrance to WLU.

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 WLU, 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. Students should use Toppertracks, the WLU online degree

audit system, to track requirements. Toppertracks is available in WINS.

EVALUATION OF CREDITS

Students should review their academic record with their academic advisor to make sure all graduation requirements are being met. Students should use Toppertracks in WINS to track all graduation requirements.

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 WLU and all university-level courses transferred from other regionally accredited institutions.

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

UNDERGRADUATE DEGREES:

GARY E. WEST COLLEGE OF BUSINESS

Bachelor of Science in Business Administration

Majors*:*

Accounting
Computer Information Systems
Entrepreneurship
Finance
General Business
Health Care Management
Management
Marketing
Sport Management

Minors:

Business Administration
Computer Information Systems
Entrepreneurship

Entrepreneurship Certificate through the Center for Entrepreneurship

COLLEGE OF EDUCATION & HUMAN PERFORMANCE

BACHELOR OF ARTS IN ELEMENTARY EDUCATION

Majors: Elementary Education
Early Intervention

BACHELOR OF ARTS IN SECONDARY EDUCATION

Majors:* Health and Physical Education
Middle Childhood Education

BACHELOR OF SCIENCE IN EXERCISE PHYSIOLOGY

Major: Exercise Physiology
Tracks: Clinical
Health & Fitness

BACHELOR OF SCIENCE IN ATHLETIC TRAINING

Major: Athletic Training

*See other Colleges for a listing of areas in which students can major in Secondary Education.

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

Certifications:

- Art Education Pre-K-Adult
- Art Education 5-12
- Elementary K-6
- Early Education Pre-K-K
- Music Education Pre-K-Adult (Choral and Instrumental)
- Physical Education Pre-K-Adult
- Health Education Pre-K-Adult
- Social Studies 5-Adult
- Mathematics 5-Adult
- Biology 9-Adult
- Chemistry 9-Adult
- General Science 5-Adult
- English 5-Adult
- Multi-Categorical Special Education K-6 and 5-Adult (learning disabilities, behavior disorders, and mental impairments)

Endorsements for Middle School 5-9:

- Art
- English
- Social Studies
- General Science
- Mathematics

BACHELOR OF ARTS IN COMMUNITY EDUCATION

Majors:

Community Arts
Outdoor Education
Sports, Recreation, and Wellness
Museum Education
Educational Leadership in Faith Organizations
Disabilities Services

Minors:

Athletic Coaching
Community Education
Exercise Physiology
Health and Fitness
Special Education

COLLEGE OF ARTS AND COMMUNICATION

DEPARTMENT OF JOURNALISM, COMMUNICATION STUDIES, AND VISUAL ARTS

Bachelor of Science in Visual Communication Design (*formerly known as Graphic Design)*
Bachelor of Science in Digital Media Design
Bachelor of Science in Creative Arts Therapy
Bachelor Science in Communications:

Majors: Advertising Communication
Broadcasting
Integrated Communication Studies
Journalism
Public Relations

Bachelor of Arts:

Teacher Ed.: Art Education 5-Adult
Teacher Ed.: Art Education Pre-K-Adult
Teacher Ed.: Art Education 5-9 Certification*

Minors:

Art
Communication Studies
Visual Communication Design
Journalism
Photography
Public Relations

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

DEPARTMENT OF MUSIC AND THEATER

Bachelor of Arts Degree: Teacher Ed.: Music Education Pre-K-Adult
Bachelor of Arts: Theater
Bachelor of Music: Performance concentration
Bachelor of Music: Technology Concentration

Minors:

Music
Theater

COLLEGE OF LIBERAL ARTS

Bachelor of Social Work

Minors:

Appalachian Studies
Criminal Justice
Geography
History
Pre-Law
International Studies
Medieval Studies
Social Work

Bachelor of Science in Criminal Justice

DEPARTMENT OF HUMANITIES

Bachelor of Arts in English:

Majors: Literature, English: Comic Studies, and Writing

Bachelor of Arts in Education in English

* Certification: English 5-9

Minors: Creative Writing
English
English: Comic Studies
French
Spanish
Teaching English as a Second Language
Writing
Philosophy and Religion
Philosophy
Religion

Bachelor of Arts in Education - Social Studies Comprehensive

* Certification: Social Studies 5-9

Bachelor of Arts in Social Science

Majors: Geography & Planning
History

Bachelor of Science in Social Science

Majors: Geography& Planning
History

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

COLLEGE OF SCIENCES

Bachelor of Science in Biology

Majors:

WLU/WVU Dental Early Admission Program (DEAP)
Ecology, Evolution, and Organismal Biology
Environmental Stewardship and Education
General Biology
Human Biology
Microbiology
Pre-Medicine
Pre-Professional
Pre-Veterinary
Zoo Science and Applied Conservation
3+2 Human Biology/MS Physician Assistant Studies
3+2 BS/MS Biology

Bachelor of Science in Chemistry
Bachelor of Arts in Education in Biology
Bachelor of Arts in Education in Chemistry
Bachelor of Arts in Education in General Science
* Certification: General Science 5-9
Associate in Science in Dental Hygiene
Bachelor of Science in Dental Hygiene
Bachelor of Arts in Education in Mathematics
** Certification: Mathematics 5-9*
Bachelor of Science in Psychology
Bachelor of Science in Medical Laboratory Science
Bachelor of Science in Nursing
Bachelor of Science in Speech Pathology-Audiology

Pre Professional Preparation For:

Dental School
Engineering
Graduate School
Medical / Osteopathic School
Optometry School
Pharmacy School
Physical Therapy
Physician Assistant
Speech Pathology / Audiology
Veterinary Science School

Minors:

Biology
Chemistry
Mathematics
Psychology

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

SCHOOL OF PROFESSIONAL STUDIES

Bachelor of Arts in Organizational Leadership and Administration
Regents Bachelor of Arts

GENERAL STUDIES PROGRAM

MISSION STATEMENT: The General Studies Program promotes student success by providing undergraduates with the knowledge and skills needed to become successful graduates, critical thinkers, and lifelong learners. While all programs have their own objectives, the General Studies Program represents the core foundation upon which all academic programs and the following Student Development Outcomes are built. (General Studies requirements for students who have already earned a Bachelor Degree from a regionally accredited institution of higher education are considered to be completed.)

STUDENT LEARNING OUTCOMES:

Communication: Upon completion of the General Studies Program at WLU, students will communicate with clarity, coherence, and persuasiveness.

Analysis: Upon completion of the General Studies program at WLU, students will apply appropriate concepts and methods to analyze, evaluate, and interpret information or texts, implementing suitable strategies to solve problems or relate analyses as appropriate.

Self and Cultural Awareness: Upon completion of the General Studies program at WLU, students will reflect objectively on the human condition through investigation, appreciation, and evaluation of the products, perceptions, expressions, and interrelationships of various cultures.

Note:
Be sure to check for exceptions to the following course requirements in the section of the catalog that refers to your major. Some majors prefer/require students take certain courses to fulfill their general studies requirements.

BACHELOR OF SCIENCE
44-48 Hours in General Studies

COMMUNICATION 6-9
A *minimum grade of "C" is required in these courses.*

(ENG 101 College Composition I *AND* ENG 102 College Composition II) *OR* ENG 103 Accelerated College Comp
COM 101 Fund of Oral Communication

ANALYSIS 20-21
Students must take courses from each analytical abilities block as directed:

Quantitative (1 Course)
MATH 102 Nature of Math
MATH 140 College Algebra
MATH 145 Pre-Calculus Algebra
MATH 160 Intro to Statistics
MATH 210 Calculus & Analytical Geometry I

Scientific (1 Life Sciences course & 1 Physical Sciences course)

Life Sciences:
BIO 105/106 Life Sciences for the Non-Major & Lab
BIO 124/125 Biological Principles & Laboratory

Physical Sciences:
CHEM 100/101 Foundations of Chemistry & Laboratory
CHEM 110/111 General Chemistry I & Laboratory
PHYS 101/110 Physics I & Laboratory
PHYS 190/191 Physical World & Laboratory
PHYS 345/346 Earth & Space Science & Laboratory

Critical Reading (1 Course)
ENG 200-400 Literature, any

Economics/Finance (1 Course)
ECON 103 Principles of Microeconomics
ECON 104 Survey of Economics *(not an option for Business Students)*
FIN 131 Financial Literacy

Logic/Critical Assessment (1 course)
PHIL 210 Logic & Critical Thinking
PSYC 101 Intro to Psychology
LING 150 Intro to Language and Linguistics

SELF AND CULTURAL AWARENESS..... 18
Students must take courses from the following blocks as directed

Fine Arts (1 course)
ART 140 Art Appreciation
ART 340 History of Western Art I
ART 341 History of Western Art II
ART 343 Survey of Non-Western Art

FA 101 Fine Arts as a Human Experience
MUS 130 Music Appreciation
MUS 132 Jazz Appreciation
MUS 133 Rock Appreciation
MUS 134 Music In World Cultures
THE 100 Theater Appreciation
THE 300 History of the Theatre

Perceptions and Cultures (1 Course from 4 of the 7 Different Groups plus 1 course from HIST options listed):

Group 1:
GEO 205 Intro to Geography
or
GEO 206 World Regional Geography

Group 2:
POLS 101 Basic Concepts of Politics & Gov't
or
POLS 201 National Gov't

Group 3:
REL any

Group 4:
Foreign Language any

Group 5:
SOC 150 Basic Concepts of Sociology
or
SWK 201 Ethnicity, Diversity, Cultural Awareness

Group 6:
HE 250 Intro to Health
or
HE 300 Nutrition and Fitness

Group 7:
Any PHIL course except PHIL 210

1 Course:

HIST 103 History of Civilization I
HIST 104 History of Civilization II
HIST 210 History of the US to 1865
HIST 211 History of the US since 1865

BACHELOR OF ARTS
LIBERAL ARTS
49-53 Hours in General Studies

COMMUNICATION 12-15
A *minimum grade of "C" is required in these courses.*

Fundamental Communication
(ENG 101 College Composition I *AND* ENG 102 College Composition II) *OR* ENG 103 Accelerated College Comp
COM 101 Fund of Oral Communication

Advanced Communication (2 Courses):
COM 203 Argumentation & Debate
And
SPAN or FREN 200 Level Course or SPA 452
OR
One Third-Semester Foreign Language

ANALYSIS 16-17
Students must take courses from each analytical abilities block as directed:

Quantitative (1 Course)
MATH 102 Nature of Math *(not an option for Business Students)*
MATH 140 College Algebra
MATH 145 Pre-Calculus Algebra
MATH 160 Intro to Statistics *(not an option for Business Students)*
MATH 210 Calculus & Analytical Geometry I

Scientific (1 Course from Life Sciences or Physical Sciences)
Life Sciences:
BIO 105/106 Life Sciences for the Non-Major & Lab
BIO 124/125 Biological Principles & Lab

Physical Sciences:
CHEM 100/101 Foundations of Chemistry & Laboratory
CHEM 110/111 General Chemistry I & Laboratory
PHYS 101/110 Physics I & Laboratory
PHYS 190/191 Physical World & Laboratory
PHYS 345/346 Earth & Space Science & Laboratory

Critical Reading (1 Course)
ENG 200-400 Literature, any

Economics/Finance (1 Course)
ECON 103 Principles of Microeconomics
ECON 104 Survey of Economics *(not an option for Business Students)*
FIN 131 Financial Literacy *(not an option for Business Students)*

Logic/Critical Assessment (1 Course)
PHIL 210 Logic & Critical Thinking
PSYC 101 Intro to Psychology
LING 150 Intro to Language and Linguistics

SELF AND CULTURAL AWARENESS 21
Students must take courses from the following blocks as directed

Fine Arts (2 courses)
ART 140 Art Appreciation
ART 340 History of Western Art I
ART 341 History of Western Art II
ART 343 Survey of Non-Western Art
FA 101 Fine Arts as a Human Experience
MUS 130 Music Appreciation
MUS 132 Jazz Appreciation
MUS 133 Rock Appreciation
MUS 134 Music in World Cultures
THE 100 Theater Appreciation
THE 300 History of the Theatre

Perceptions and Cultures (1 Course from 4 of the 6 Different Groups plus 1 course from HIST options):

Group 1:
GEO 205 Intro to Geography
or
GEO 206 World Regional Geography

Group 2:
POLS 101 Basic Concepts of Politics & Gov't
or
POLS 201 National Gov't

Group 3:
REL 100-400 any course

Group 4:
SOC 150 Basic Concepts of Sociology
Or
SWK 201 Ethnicity, Diversity, Cultural Awareness

Group 5:
HE 250 Intro to Health
Or
HE 300 Nutrition and Fitness

Group 6:
Any PHIL course except PHIL 210

1 Course:
HIST 103 History of Civilization I
HIST 104 History of Civilization II
HIST 210 History of the US to 1865
HIST 211 History of the US since 1865

BACHELOR OF ARTS
ELEMENTARY EDUCATION
34-37 Hours in General Studies

COMMUNICATION 6-9
A *minimum grade of "C" is required in these courses.*

(ENG 101 College Composition I *AND* ENG 102 College Composition II) *OR* ENG 103 Accelerated College Comp
COM 101 Fund of Oral Communication

ANALYSIS 13
Students must take courses from each analytical abilities block as directed:

Quantitative (1 Course)
MATH 140 College Algebra

Scientific (2 Courses)
BIO 140 Life Science I for Elem Teachers
PHYS 140 Phys. Science I for Elem Teachers

Critical Reading (1 Course)
ENG 200-400 Literature, any

SELF AND CULTURAL AWARENESS..... 15
Students must take courses from the following blocks as directed

Fine Arts (3 courses)
ART 100 Fundamentals of Art
MUS 351 Music for Elementary Teachers
THE 351 Theater for Elementary Teachers

Perceptions and Cultures
1 Course:
HIST 103 History of Civilization I
HIST 104 History of Civilization II
HIST 210 History of the US to 1865
HIST 211 History of the US since 1865

1 Course:
Elementary Education majors choose from:
GEO 205 Intro to Geography
or
GEO 206 World Regional Geography

BACHELOR OF ARTS
SECONDARY/COMPREHENSIVE EDUCATION
41-45 Hours in General Studies

COMMUNICATION 6-9
A *minimum grade of "C" is required in these courses.*

(ENG 101 College Composition I *AND* ENG 102 College Composition II) *OR* ENG 103 Accelerated College Comp
COM 101 Fund of Oral Communication

ANALYSIS 14-16
Students must take courses from each analytical abilities block as directed:

Quantitative (1 Course)
MATH 102 Nature of Math
MATH 140 College Algebra
MATH 145 Pre-Calculus Algebra
MATH 160 Intro to Statistics
MATH 210 Calculus & Analytical Geometry I

Scientific (1 Life Science & 1 Physical Science course)
Life Science:
BIO 105/106 Life Sciences for Non-Major/Lab
BIO 124/125 Biological Principles/Lab

Physical Science:
CHEM 100/101 Foundations of Chemistry/ Lab
CHEM 110/111 General Chemistry I/Lab
PHYS 101/110 Physics I & Laboratory
PHYS 190/191 Physical World & Laboratory
PHYS 345/346 Earth & Space Science/Lab

Critical Reading (1 Course)
ENG 200-400 Literature, any

SELF AND CULTURAL AWARENESS 18
Students must take courses from the following blocks as directed

Fine Arts (2 courses from different groupings)
ART 140 Art Appreciation
ART 340 History of Western Art I
ART 341 History of Western Art II
ART 343 Survey of Non-Western Art
FA 101 Fine Arts as a Human Experience
MUS 130 Music Appreciation
MUS 132 Jazz Appreciation
MUS 133 Rock Appreciation
MUS 134 Music in World Cultures
THE 100 Theater Appreciation
THE 300 History of the Theatre

Perceptions and Cultures
1 Course:
GEO 205 Intro to Geography
GEO 206 World Regional Geography

1 Course:
Any GEO, HIST, POLS, or SOC course or HE 250 Intro to Health
Or HE 300 Nutrition and Fitness

1 Course:
HIST 103 History of Civilization I
HIST 104 History of Civilization II
HIST 210 History of the US to 1865
HIST 211 History of the US since 1865

RESTRICTED ELECTIVES 3
Students must take 1 restricted elective from the following categories:

Analytical Abilities
ECON 103 Principles of Microeconomics
ECON 104 Survey of Economics *(not an option for Business Students)*
FIN 131 Financial Literacy
PHIL 210 Logic & Critical Thinking
PSYC 101 Intro to Psychology

Perceptions and Cultures
Foreign Language, any course
GEO 205 Introduction to Geography
GEO 206 World Regional Geography
HIST 103 History of Civilization I
HIST 104 History of Civilization II
POLS 101 Basic Concepts of Politics & Gov't
POLS 201 National Government
SOC 150 Basic Concepts of Sociology
SWK 201 Ethnicity, Diversity, and Cultural Awareness
Any PHIL except PHIL 210

BACHELOR OF MUSIC
31-35 Hours in General Studies

COMMUNICATION 6-9
A *minimum grade of "C" is required in these courses.*

(ENG 101 College Composition I *AND* ENG 102 College Composition II) *OR* ENG 103 Accelerated College Comp
COM 101 Fund of Oral Communication

ANALYSIS 13-14
Part 1: Students must take one course each from quantitative, scientific, and logic/critical assessment blocks.
Quantitative
MATH 102 Nature of Math

MATH 140 College Algebra
MATH 145 Pre-Calculus Algebra
MATH 160 Intro to Statistics
MATH 210 Calculus & Analytical Geometry I

Scientific
BIO 105/106 Life Sciences for Non-Major/Lab
BIO 124/125 Biological Principles/ Lab
CHEM 100/101 Foundations of Chem & Lab
CHEM 110/111 General Chemistry I & Lab
PHYS 101/110 Physics I & Laboratory
PHYS 190/191 Physical World & Laboratory
PHYS 345/346 Earth & Space Science & Lab

Logic/Critical Assessment
PHIL 210 Logic & Critical Thinking
PSYC 101 Intro to Psychology
LING 150 Intro to Language and Linguistics

Part 2: Students must take one course from either critical reading or economics/finance:

Critical Reading
ENG 200-400 Literature, any

Economics/Finance
ECON 103 Principles of Microeconomics
ECON 104 Survey of Economics *(not an option for Business Students)*
FIN 131 Financial Literacy

SELF AND CULTURAL AWARENESS 12
Students must take courses from the following blocks as directed

Fine Arts (2 courses)
ART 140 Art Appreciation
ART 340 History of Western Art I
ART 341 History of Western Art II
ART 343 Survey of Non-Western Art
FA 101 Fine Arts as a Human Experience
MUS 130 Music Appreciation
MUS 132 Jazz Appreciation
MUS 133 Rock Appreciation
MUS 134 Music in World Cultures
THE 100 Theater Appreciation
THE 300 History of the Theatre

Perceptions and Cultures
1 Course:
HIST 103 History of Civilization I
HIST 104 History of Civilization II
HIST 210 History of the US to 1865
HIST 211 History of the US since 1865
GEO 205 Intro to Geography
GEO 206 World Regional Geography
POLS 101 Basic Concepts of Politics & Gov't
POLS 201 National Gov't

1 Course:
REL 100-400 any course
Any PHIL course except PHIL 210
SOC 150 Basic Concepts of Sociology
SWK 201 Ethnicity, Diversity, Cultural Awareness
HE 250 Intro to Health
HE 300 Nutrition and Fitness

COLLEGE OF ARTS AND COMMUNICATION

DEPARTMENT OF JOURNALISM, COMMUNICATION STUDIES, AND VISUAL ARTS

Bachelor of Science in Visual Communication Design
Bachelor of Science in Digital Media Design
Bachelor of Science in Creative Arts Therapy

Bachelor Science in Communications:
Majors: *Advertising Communication*
Broadcasting
Integrated Communication Studies
Journalism
Public Relations

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

Minors: *Advertising Communication*
Art
Communication Studies
Visual Communication Design
Journalism
Photography
Public Relations

DEPARTMENT OF MUSIC AND THEATER

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

Bachelor of Music
Concentrations: *Performance*
Music Technology

Bachelor of Arts:
Major: Theater

Minors: *Music*
Theater

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

COLLEGE OF ARTS AND COMMUNICATION

Matthew Harder, D.M., Dean

DEPARTMENT OF JOURNALISM, COMMUNICATION STUDIES, AND VISUAL ARTS

Brian Fencl, Chairperson

ART

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

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

TEACHER EDUCATION: The student may choose: the comprehensive or single major curriculum for certification in grades K12 or a curriculum for certification in grades 5-12. The curriculum for certification in grades 5-12 requires a second teaching field from another area. (Prospective elementary teachers may choose the field of art as one of their subject specializations for teaching grades 59).

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

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

ART COMPREHENSIVE (PRE-K–ADULT)

I. GENERAL STUDIES 43-45

II. ART TEACHING FIELD.....55

A. Freshman Year 12
- ART 104 Drawing I 3
- ART 110 2D Foundation Design 3
- ART 204 Drawing II 3
- ART 160 3D Foundation Design.....3

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

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

1. Major Studio Emphasis.....12

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

2. Minor Studio Emphasis.....6

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

III. PROFESSIONAL EDUCATION COMPONENT 42
- 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

- Materials in Art (Grades K-4, 5-9) 3
- And ART 376 Curriculum Methods & Materials in Art (Grades 5-Adult).....3

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

ART (5-ADULT)

I. GENERAL STUDIES 43-45

II. ART TEACHING FIELD 43

A. Freshman Year 15
ART 104 Drawing I.....3
ART 110 2D Foundation Design 3
ART 204 Drawing II.....3
ART 160 3D Foundation Design 3

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

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

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

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

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

ART SUBJECT SPECIALIZATION
(Grades 5-9)

This is an optional specialization available to education majors.

I. ART TEACHING FIELD.....27
ART 104 Drawing I.....3
ART 110 2D Foundation Design 3
ART 150 Appreciation for the Art Major 3
ART 160 3D Foundation Design 3
ART 210 Watercolor Painting.....3
OR
ART 215 Oil/Acrylic Painting I 3
ART 340 History of Western Art I 3
ART 341 History of Western Art II 3
OR
ART 342 History of Western Art III.....3

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

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

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

ART MINOR

Students have the choice of focusing on 3-dimensional studio work or 2-dimensional studio work.

Required:
ART 104 Drawing I 3
ART 110 2D Foundation Design 3

Choose one of the following:
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 343 Survey of Non-Western Art 3

Students interested in 3-Dimensional Arts are required to take the following:
ART 160 3D Foundation Design..... 3
Choose three courses from the following:
ART 220 Ceramics 3
ART 250 Crafts I 3
ART 260 Sculpture I 3
ART 320 Ceramics II 3
ART 360 Sculpture II 3
ART 420 Ceramics III 3
With the approval of the Chairperson of the Journalism, Communication Studies and Visual Arts Department, other electives may be substituted for the above.

Students interested in 2-Dimensional Arts are required to take the following:
ART 204 Drawing II 3
Choose three courses from the following:
ART 210 Watercolor Painting I..... 3
ART 215 Oil/Acrylic Painting I 3
ART 230 Printmaking I 3
ART 240 Silkscreen Production..... 3
ART 304 Drawing III 3
ART 310 Watercolor Painting II..... 3
ART 315 Oil/Acrylic Painting II 3
ART 330 Printmaking II 3

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

TOTAL 21

BACHELOR OF SCIENCE IN VISUAL COMMUNICATION DESIGN

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

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

I. GENERAL STUDIES 46-48

II. VISUAL COMMUNICATION DESIGN CORE.....64

A. Freshman Year (first semester).....18
ART 104 Drawing I.....3
ART 110 2D Foundation Design 3
ART 190 Intro to Computer Graphics……...3

Freshman Year (second semester)
ART 160 3D Foundation Design.....3
ART 204 Drawing II 3
ART 286 Intro to Typography 3

B. Sophomore Year (first semester).....21
ART 244 Graphic Design History 3
ART 283 Visual Communication Design I 3
ART 285 Photography I.....3

Sophomore Year (second semester)
ART 150 Appreciation for the Art Major.....3
ART 295 Introduction to Web and Mobile Design 3
ART 383 Visual Communication Design II.....3
ART 388 Advanced Computer Graphics……3

C. Junior and Senior Years..... 25
ART 342 History of Western Art III..... 3
ART 380 Illustration..... 3
ART 389 Editorial Layout 3
ART 400 Communication Design III…….3
ART 483 Visual Communication Design III 3
ART 484 3-D Graphic Design 3
ART 486 Senior Project 3
ART 495 Motion Graphics..... 3
ART 498 Senior Comprehensive Exhibition..... 1

III. ELECTIVES to total 120 credit hours

Recommended courses:
ART 210 Watercolor Painting I..... 3
ART 310 Watercolor Painting II..... 3
ART 220 Ceramics I..... 3
ART 320 Ceramics II..... 3
ART 215 Oil/Acrylic Painting I 3
ART 315 Oil/Acrylic Painting II 3
ART 230 Printmaking I 3
ART 240 Silk Screening Production…….3
ART 304 Drawing III 3
ART 330 Printmaking II..... 3
ART 240 Silk Screen Production..... 3
ART 260 Sculpture I..... 3
ART 360 Sculpture II..... 3
ART 385 Photography II..... 3
ART 379 Image Making on Mobile Devices……3
ART 479 Independent Study .....maximum 6
ART 278, 478 Special Topics.....maximum 6
ART 491, 492 Seminars.....maximum 6
MKT 336 Advertising..... 3
COM 224 TV Production 3
COM 227 Critical Visual Literacy 3
COM 310 Advertising Communication..... 3
COM 312 Media Sales…… 3
COM 426 Multimedia and Social Networking……..3
DMD 203 Adobe Video Editing……..3

VISUAL COMMUNICATION DESIGN MINOR

Select one of the following:
ART 104 Drawing I 3
ART 110 2D Foundation Design.....3

REQUIRED
ART 190 Intro to Computer Graphics……...3
ART 244 Graphic Design History……..3
ART 283 Visual Communication Design I 3
ART 286 Intro to Typography 3
ART 388 Advanced Computer Graphics……..3
TOTAL 18

MUS 388 Electronic Music II 3
MUS 487 Music Technology Practicum..... 1
COM 329 On Campus Internship Radio..... .2
COM 362 Audio Documentary Production 3
DMD 204 Radio Production..... 4
DMD 479 Special Problems 1-3

BACHELOR OF SCIENCE
DIGITAL MEDIA DESIGN

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

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

A minimum of 40 semester hours in junior and senior courses (300 and 400 level) is required of all candidates for graduation.

GENERAL STUDIES 46-48

REQUIRED CORE.....43
DMD 101 Intro to Digital Media Design.....3
DMD 104 Drawing and Design.....3
DMD 203 Adobe Video Editing 3
DMD 300 Sight, Sound and Motion.....3
COM 225 Television Field Production.....4
COM 311 Mass Media Society.....3
COM 422 Non-linear Editing 3
MUS 246 Intro to Music Technology 3
MUS 287 Recording Techniques I 3
ART 150 Appreciation for the Art Major 3
ART 190 Intro to Computer Graphics……..3
ART 285 Photography I.....3
ART 486 Senior Project 3
ENT 202 Creative Problem Solving 3

CHOOSE FROM ONE OF THE FOLLOWING TRACKS:

AUDIO TRACK – Choose 5 courses
MUS 102 Musicianship 4
MUS 288 Recording Techniques II 3
MUS 387 Electronic Music I - MIDI and Digital Audio 3

VIDEO TRACK – Choose 5 courses
COM 224 Television Production I 4
COM 307 Story Structure/Storytelling 3
COM 322 Writing for Radio & Television 3
COM 324 Documentary Film..... 3
COM 326Advanced Remote Production 3
COM 329 On Campus Internship in Television 2
COM 420 3DAnimation and Graphics 3
DMD 479 Special Problems 1-3
ART 495 Motion Graphics 3

WEB AND MOBILE TRACK –Choose 5 courses
ART 295 Intro to Web Design 3
ART 379 Digital Media on Mobile Devices 3
ART 388 Advanced Computer Graphics 3
ART 495 Motion Graphics 3
DMD 475 Professional Internship: Digital Media 3
DMD 479 Special Problems 1-3
COM 359 Writing for the Web/Social Media..... 3
CIS 340 Computer Programming 3
CIS 481 Web and Application Development. 3
MKT 425 Social Media Marketing 3

ELECTIVES from the following to total 120
DMD 204 Radio Production..... 4
DMD 329 Digital Media Design – On Campus Internship 2
DMD 475 Professional Internship: Digital Media 3
DMD 478 Special Topics 1-3
DMD 479 Special Problems 1-3
COM 231 News Writing and Reporting I 3
COM 311 Mass Media and Society..... 3
COM 312 Media Sales 3
COM 401 Communication Theory 3
COM 410 Communication Law and Ethics..... 4
COM 412 Media Ethics 3
COM 413 Public Relations 3
COM 420 3D Animation and Graphics 3
COM 434 Desktop Publishing 3
ART 283 Visual Communication Design I 3
ART 295 Intro to Web Design..... 3
ART 379 Digital Media on Mobile Devices 3
ART 385 Photography II 3
ART 495 Motion Graphics 3
CIS 463 Business Modeling 3
MUS 388 Electronic Music II – Multimedia 2
MKT 331 Principles of Marketing..... 3

PHOTOGRAPHY

MINOR

ART 104 Drawing I 3
ART 110 2D Foundation Design 3
ART 285 Photography I 3
ART 385 Photography II 3
Choose two courses from the following:
ART 379 Digital Media on Mobil Devices 3
Art 388 Advanced Computer Graphics 3
COM 227 Visual Critical Literacy 3

TOTAL 21

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

BACHELOR OF SCIENCE IN COMMUNICATIONS

Students may pursue the Bachelor of Science in Communications with a major in Advertising Communications, Broadcasting, Integrated Communication Studies, Journalism, or Public Relations. The degree requires a minor.

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

General Studies 46-48

Communications Core 13
COM 201 Survey of Communications 3
COM 401 Communication Theory 3
COM 410 Communication Law and Ethics 4
Choose <u>one</u> from the following:
COM 311 Mass Media and Society 3
COM 323 Introduction to Cinema 3
COM 324 Documentary Film 3

Major Requirements, Minor, and Electives to Total 120

ADVERTISING COMMUNICATION MAJOR

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

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

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

ADCOM UPPER LEVEL CORE 21
COM 314 Persuasion 3
COM 322 Writing for Radio/TV 3
COM 426 Social Media for Ad/PR 3
COM 434 Desktop Publishing 3
COM 414 Advertising Creatives 3
COM 417 Advertising Campaigns 3
DMD 300 Sight, Sound, Motion 3

Advertising Program Requirements:

1. Advertising Communication majors must complete any minor of at least 15 hours.
2. All students must meet COM requirements of an overall G.P.A. of 2.5 and maintain a G.P.A. of at least 2.5 to take upper level courses.
3. A minimum of 40 upper level hours must successfully be completed.

BROADCASTING MAJOR

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

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

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

BROADCASTING UPPER-LEVEL 14
COM 321 TV Production II 3
COM 325 Television News Directing and Producing 3
COM 329 On-campus Internship TV-Radio 2
COM 425 Television Studio News Directing & Prod II 3
COM 452 Broadcast Practicum 3

Choose *nine hours* from the following: 9
COM 422 Non-linear Editing 3
COM 420 3-D Graphics and Animation..... 3
COM 418 Broadcast Performance 3
COM 429 Professional Internship 3-6
COM 478 Special Topics 3
COM 479 Special Problems..... 3

Broadcasting Program Requirements

1. Broadcasting majors must complete a minor of at least 15 hours.
2. All students must meet COM requirements of an overall G.P.A. of 2.5 and maintain a G.P.A. of at least 2.5 to take upper level courses.
3. A minimum of 40 upper-level hours must successfully be completed.

JOURNALISM MAJOR

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

JOURNALISM CORE 14
COM 231 News Writing & Reporting..... 3
COM 232 Broadcast News Writing 3
COM 339 On-Campus Internship..... 2
COM 413 Public Relations 3
Choose *one* of the following:
COM 439 Professional Internship 3
COM 481 Journalism Capstone 3

Journalism Restricted Electives: 27
COM 322 Writing for Radio & TV 3
COM 332 Feature Writing 3
COM 333 Editorial Writing..... 3
COM 334 Editing for Media 3
COM 337 Sports Reporting..... 3
COM 338 Investigative Journalism 3
COM 359 Writing for the Web/Social Media 3
COM 434 Desktop Publishing 3
COM 477 Genre Writing..... 3
COM 478 Special Topics (maximum 6 hours) 3
COM 478 Special Problems (maximum of 6 hours)..... 3
DMD 300 Sight, Sound, Motion..... 3

Journalism Program Requirements

1. Journalism majors must complete a minor of at least 15 hours.
2. All students must meet COM requirements of an overall G.P.A. of 2.5 and maintain a G.P.A. of at least 2.5 to take upper level courses.
3. A minimum of 40 upper-level hours must successfully be completed.

PUBLIC RELATIONS MAJOR

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

PUBLIC RELATIONS FOUNDATIONS 15
COM 227 Visual Critical Literacy.....3
COM 231 News Writing and Reporting 3
COM 413 Intro to Public Relations 3
Additional 3 hours in ANY COM designated course 3
DMD 300 Sight, Sound, Motion 3

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

Public Relations Requirements

1. Public Relations majors must complete a minor of at least 15 hours.
2. All students must meet COM requirements of an overall G.P.A. of 2.5 and maintain a G.P.A. of at least 2.5 to take upper level courses.
3. A minimum of 40 upper-level hours must successfully be completed.

INTEGRATED COMMUNICATION STUDIES MAJOR

The Integrated Communication Studies major prepares students for careers in communication consulting, health communication, sales, human resources, public relations, event planning, and many others. In addition, this major prepares students for the systematic study of communication in graduate degree programs.

COMMUNICATION STUDIES FOUNDATION..... 9
Choose three courses:
COM 203 Argumentation and Debate 3
COM 301 Interpersonal Communication 3
COM 302 Advanced Public Speaking 3
COM 306 Group Communication 3
COM 313 Organizational Communication 3
COM 314 Persuasion 3
COM 450 Speech Practicum 3

BROADCASTING 9

Choose three courses:

DMD 204 Radio Production 4
COM 224 TV Production I 4
COM 225 TV Field Production 3
COM 226 Remote Production 3
COM 321 TV Production II 3
COM 362 Audio Documentary Production 3

JOURNALISM 9

Choose three courses:

COM 231 News Writing and Reporting 3
COM 232 Broadcast News Writing 3
COM 322 Writing for Radio & TV 3
COM 332 Feature Writing 3
COM 333 Editorial Writing 3
COM 334 Editing for Media 3
COM 337 Sports Reporting 3
COM 338 Investigative Journalism 3
COM 359 Writing for Web/Social Media 3

PUBLIC RELATIONS AND ADVERTISING 9

Choose three courses:

COM 227 Visual Literacy 3
COM 312 Media Sales 3
COM 310 Advertising Communication 3
COM 413 Intro to Public Relations 3
COM 415 PR Writing 3
COM 426 Multimedia & Social Networking 3
COM 434 Desktop Publishing 3
COM 414 Advertising Creatives 3
COM 417 Advertising Campaigns 3

INTEGRATED COMMUNICATION STUDIES UPPER-LEVEL. 6

COM 402 Communication Research 3
COM 480 Communication Senior Seminar 3

Integrated Communication Studies Requirements

1. Integrated Communication Studies majors must complete a minor of at least 15 hours.
2. All students must meet COM requirements of an overall G.P.A. of 2.5 and maintain a G.P.A. of at least 2.5 to take upper level courses.
3. A minimum of 40 upper-level hours must successfully be completed.

COMMUNICATIONS MINOR

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

REQUIRED COURSES

COM 301 Interpersonal Communication 3
COM 306 Group Communication 3
COM 313 Organizational Communication 3

Choose *three courses* from the following 9

COM 203 Argumentation and Debate 3
COM 227 Visual Literacy 3
COM 231 News Writing 3
COM 232 Broadcast News Writing 3
COM 332 Feature Writing 3
COM 333 Editorial Writing 3
COM 359 Writing for the Web 3
COM 401 Communication Theory 3
COM 402 Communication Research 3
COM 413 Public Relations 3
COM 415 PR Writing 3
COM 434 Desktop Publishing 3
Com 426 Social Media Ad/PR 3
COM 416 PR Cases/Campaigns 3
COM 337 Sports Reporting 3
DMD 203 Adobe Video Editing 3

TOTAL 18
(may not include COM 101)

JOURNALISM MINOR

COM 231 News Writing and Reporting 3
COM 339 On-Campus Internship 2
COM 410 Communication Law and Ethics 4

Choose *three* from the following:

COM 232 Broadcast News Writing 3
COM 322 Writing for Radio and TV 3
COM 332 Feature Writing 3
COM 333 Editorial Writing 3
COM 334 Editing for Media 3
COM 337 Sports Reporting 3
COM 338 Investigative Journalism 3
COM 359 Writing for the Web/Social Media 3
COM 434 Desktop Publishing 3
COM 478 Special Topics 3
COM 479 Special Problems 3

Total 18

PUBLIC RELATIONS MINOR

The PR minor builds on foundational principles of PR by introducing best practices in PR writing and strategic management while allowing the student to have an emphasis in a number of disciplines: visual communication design, journalism,

communications, PR research and theory, social media and audio and video production.

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

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

Total..... 18

BACHELOR OF SCIENCE IN CREATIVE ART THERAPY (CAT)

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

GENERAL STUDIES..... . 46-48

REQUIRED CAT COURSES..... 27
CAT 200 Introduction to Art Therapy..... 3
CAT 300 Developmental and Comparative Stages in Art. 3
CAT 301 Art Therapy Studio..... 3
CAT 302 Art Therapy Studio II..... 3
CAT 310 Art Therapy Ethics..... 3
CAT 340 Art Therapy Literature and Symbolism..... 3
CAT 403 Art Therapy Internship and Observation..... 3
CAT 440 Art Therapy Assessments and Techniques..... 3
CAT 486 Senior Project, Research, Thesis, Clinical Internship Colloquium 3

REQUIRED ART STUDIO COURSES..... 36
ART 104 Drawing I..... 3
ART 110 2D Foundation Design 3
ART 150 Art Appreciation for the Art Major..... 3
ART 160 3D Foundation Design 3
ART 204 Drawing II..... 3
ART 230 Printmaking I..... 3
Choose one course from the following:
ART 210 Watercolor Painting I 3
ART 215 Oil/Acrylic Painting I..... 3

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

Choose one course from the following:
ART 341 Art History II 3
ART 342 Art History III 3
ART 343 Survey of Non-Western Art..... 3
ADDITIONAL 9 HOURS IN ART STUDIO ELECTIVES (MUST BE IN A 300 OR 400 LEVEL COURSE)
REQUIRED PSYCHOLOGY COURSES..... 9
PSYC 322 Personality Psychology..... 3
PSYC 441 Abnormal Psychology..... 3
PSYC 320 Psychology of Adulthood and Old Age..... 3
PSYC 101 must be taken to fulfill the General Studies Requirement.

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

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

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

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

DEPARTMENT OF MUSIC AND THEATER

Dr. Linda Cowan, Chairperson

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

MUSIC PROGRAM WEBSITE and MUSIC STUDENT HANDBOOK

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

ADMISSION

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

MISSION STATEMENT

The Music Program realizes its important place in the training of our student musicians by emphasizing educational experiences that develop life-long learners of music. With this in mind, the division holds most important its mission of:

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

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

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

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

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

APPLIED MUSIC (PRIVATE INSTRUCTION)

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

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

MUS 100 is a lesson on the non-major, secondary or provisional level. They are for one semester hour of credit only. MUS 200 is a major- and minor-level lessons representing lower division study. These are taken for either two or three credits, as required by the degree program. MUS 400 is major-level lessons representing upper division study. These are taken for either two or three credits, as required by the degree program. Level 400 indicates a higher level of accomplishment by the music student in his/her major area of applied music.

To graduate, Music Education majors must earn twelve (12) total hours of credit and complete the appropriate proficiency level in at least one area of applied music.

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

23. The Senior Recital accounts for the one (1) additional credit for that semester only.

CONCERT ATTENDANCE REQUIREMENT

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

STUDENT FORUM

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

UPPER DIVISION QUALIFICATION

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

MUSIC EDUCATION CERTIFICATION

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

SENIOR RECITAL REQUIREMENTS

Except students pursuing the Music Technology concentration (see below), all music majors are required to perform a senior recital as a capstone experience. For Music Education majors, this recital will feature at least 25 minutes of solo music. For students pursuing Music Performance concentration, the recital will feature at least 50 minutes of solo music. The senior recital should represent the content standards met by achieving upper-level study on your instrument. Further requirements and details are found in the Music Student Handbook, available online or from the Music and Theater office.

MUSIC TECHNOLOGY SENIOR PROJECT

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

MUSIC EDUCATION (COMPREHENSIVE) PRE-K–ADULT

I. GENERAL STUDIES 43-45

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

CHORAL EMPHASIS.....69-70

A. Music Theory.....18
- MUS 102 Musicianship 4
- MUS 113 Theory I 2
- MUS 114 Theory 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 2
- MUS 204 Ear Training IV 1

B. Music History and Literature 6
- 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 & Instr. Conducting and Arranging.....2
- MUS 440 Choral Techniques & Literature 3

D. Fundamentals Courses.....12
- MUS 153 Fund. of Voice..... 2
- MUS 251 Fundamntls of Instrumntl Tchn.....2
- MUS 254 Fundamentals of String Instruments..... .2
- MUS 356 Lyric Diction.....2
- MUS 357 German & French Diction.....2
- MUS 375 Functional Keyboard..... 2

E. Applied Music..... 16

Voice Major
- Voice.....12
- Piano or Organ.....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 credit hours)
Satisfactory completion of: 1) MUS 265 each semester of fulltime enrollment except for the semester of student teaching; 2) a minimum of two semesters in MUS 261 level ensembles.

All the above ensembles may be taken for credit or for 0 credit.

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

INSTRUMENTAL EMPHASIS 70-72
A. Music Theory 18
MUS 102 Musicianship 4
MUS 113 Theory I..... 2
MUS 114 Theory II 3
MUS 213 Theory III..... 2
MUS 214 Theory IV 3
MUS 103 Ear Training I 2
MUS 104 Ear Training II 1
MUS 203 Ear Training III 2
MUS 204 Ear Training IV..... 1

B. Music History and Literature 6
MUS 330 History of Music I 3
MUS 331 History of Music II 3
C. Conducting and Techniques 7
MUS 340 Basic Elements of Conducting..... .2
MUS 344 Choral & Instrumental Conducting and Arranging 2
MUS 441 Instrumental Techniques & Literature..... 3

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

E. Applied Music..... 14-16
Brass, Woodwind, and Percussion Majors
Major area..... 12
Piano..... 2
Guitar Majors
Major area..... 12
Piano..... 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

F. Musical Organizations 10

Brass, Woodwind and Percussion Majors
Satisfactory completion of: 1) MUS 364 each semester of fulltime enrollment except for the semester of student teaching; 2) a minimum of two semesters in MUS 263 level ensembles.

All of the above ensembles may be taken for credit or for 0 credit.

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

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

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

III. PROFESSIONAL EDUCATION..... .. 40
EDUC 100 Intro. to Profession Education..... 1
MUS 246 Intro. to Music Technology..... 3
EDUC 301 Educational Psychology..... 3
SPED 241 Intro to Exceptionalities..... 3
EDUC 207 Foundations of Education..... 3
EDUC 293 Instr Design for Middle/Second.Schools 3
MUS 451 Music in the Elementary School: Content & Standards..... 2
MUS 452 Music in the Middle School 2
MUS 453 Instrumental & Choral Music in Secondary School..... 2
SPED 320 Collab. Tech. for Secondary Students with Exceptionalities …… 3
READ 302 Reading for Content Area..... 3
Professional Semester: Clinical Practice..... .. 12

MINOR IN MUSIC
A. MUS 102 Musicianship..... 4
B. MUS 103 Ear Training I 2
MUS 113 Theory I..... 2
C. Applied music 4
D. Musical Organizations (8 hours maximum)..... 8
E. Electives: any other music courses..... 6

BACHELOR OF MUSIC
I. GENERAL STUDIES..... 36

II. MUSIC CORE..... 34
MUS 102 Musicianship..... 4
MUS 103 Ear Training I..... 2
MUS 104 Ear Training II..... 1
MUS 203 Ear Training III..... 2
MUS 204 Ear Training IV..... 1
MUS 113 Music Theory I..... 2
MUS 114 Music Theory II..... 3
MUS 213 Music Theory III..... 2
MUS 214 Music Theory IV..... 3
MUS 246 Introduction to Music Technology..... 3
MUS 330 History of Music I 3

MUS 331 History of Music II.....3
MUS 340 Basic Elements of Conducting.....2
MUS 375 Functional Keyboard.....2
MUS 461 Career Development Seminar.....1

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

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

Instrumental Emphasis (Winds, Brass, or Percussion)....38
Applied Major Instrument study..... 14
MUS 385 Instrumental Literature 3
MUS 466 Instrumental Pedagogy..... 3
MUS 493 Senior Recital..... 1
Musical Organizations..... 17

Brass, Woodwind and Percussion
Total of 17 semester hours. Satisfactory completion of: 1) MUS 364 each semester of full-time enrollment; 2) at least 1 MUS 263 level ensemble all but the last semester of full-time enrollment.

Guitar
Total of 17 semester hours. Satisfactory completion of: 1) MUS 364 minimum of 4 semesters; 2) Guitar Ensemble each semester of full-time enrollment.

All the above ensembles may be taken for credit for 0 credit.

Piano Emphasis..... 38
Applied Major Instrument study..... 14
MUS 373 Accompanying Lab..... 3
MUS 374 Accompanying Practicum..... 3
MUS 391 Piano Literature I..... 3
MUS 392 Piano Literature II..... 3
MUS 468 Piano Pedagogy..... 3
MUS 493 Senior Recital 1
Musical Organizations 8

Vocal Emphasis..... 38
Applied Voice study..... 14
MUS 153 Fund. of Voice. 2
MUS 356 Fundamentals of Lyric Diction..... 2
MUS 353 German and French Diction... 2
MUS 383 Vocal Literature..... 3
MUS 493 Senior Recital..... 1
Musical Organizations..... 14
Total of 14 semester hours. Satisfactory completion of: 1) MUS 265 each semester of fulltime enrollment; 2) a minimum of one semester in a MUS 261 level ensemble.

All the above ensembles may be taken for credit for 0 credit.

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

Instrumental or Piano Emphasis:
Any MUS course(s)
Any Foreign Language.....3
GBUS 140 Introduction to Business 3
FIN 131 Financial Literacy.....3

Vocal Emphasis:
Any MUS course(s)
Any THE course(s)
Any Foreign Language..... 3
GBUS 140 Introduction to Business.....3
FIN 131 Financial Literacy.....3

B. MUSIC TECHNOLOGY CONCENTRATION:
Applied Instrumental/Vocal Applied Lessons
(2 cr x 6 sem).....12
Musical Organizations (1 cr x 7 sem)..... 7
MUS 287 Recording Techniques I.....3
MUS 288 Recording Techniques II.....3
MUS 387 Electronic Music I..... 3
MUS 388 Electronic Music II..... 3
MUS 479 Special Problems.....3
MUS 487 Music Technology Practicum (1 cr x 3 sem).....3
MUS 490 Music Technology Senior Project..... 6
Choose one:
DMD 204 Radio Production.....4
COM 224 Television Production I.....4
COM 225 Television Field Production 3
Music Technology students must take at least seven semesters of musical organizations. Instrumental majors (winds, brass, percussion) must take at least four (4) semesters of MUS 364 Wind Ensemble. Voice majors must take at least four (4) semesters of MUS 265. Guitar majors must take at least four (4) semesters of Guitar Ensemble. All students must take at least two (2) semesters of Electronic Music Ensemble.

All the above ensembles may be taken for credit for 0 credit.

Electives..... 11
Any Music courses
DMD 204 Radio Production.....4
COM 224 Television Production I.....4
COM 225 Television Field Production 3

Bachelor of Arts
Theater Major

The Bachelor of Arts in Theater will prepare students through a combination of coursework in performance, technology and design, and theory and criticism. Students will develop these abilities through acquisition of content knowledge, systematic application/skill development, communication of ideas, collaboration between artists, development of presentation skills, writing, and uses of technology. These skills provide an excellent foundation for careers in the theater as well as prepare students for graduate studies. Students will experience lectures,

workshops, tutorials, project work, and practical opportunities to demonstrate the development of their abilities and knowledge.

BACHELOR OF ARTS IN THEATER: GENERAL EMPHASIS

General Studies Courses: 49-53
Required Theater Core: 36
General Emphasis: 9
Restricted Electives to Total 120

THEATER CORE:
THE 125 Introduction to Stagecraft 3
THE 135 Makeup for the Stage 3
THE 235 Costuming for the Stage 3
THE 245 Theatre Production……..1
THE 255 Acting I: Fundamentals of Acting 3
OR
THE 257 Acting for Musical Theatre……..3
THE 290 Theatre Production II 1
THE 300 History of the Theater 3
THE 320 Drafting for the Stage 3
THE 325 Stagecraft (1 hr to be taken 4 times) 4
THE 329 Stage Management 3
THE 365 Voice and Speech for the Actor I 3
THE 405 Script Interpretation 3
THE 460 Movement for the Actor I 3

GENERAL EMPHASIS:……18
REQUIRED……9
THE 305 History of Theatre II……..3
THE 330 Scene Design……3
THE 480 Senior Capstone……...3

RESTRICTED ELECTIVES (to reach 18 hours) Any MUS, DAN, or THE course:
ART 100 Fundamentals of Art 3
ART 110 2D Foundation Design 3
ENG 311 Shakespeare 3
ENG 395 Literary Criticism 3

BACHELOR OF ARTS IN THEATER: PERFORMANCE EMPHASIS

General Studies Courses: 49-53
Required Theater Core: 36
Performance Emphasis……9
Restricted Electives to total: 120

REQUIRED CORE……..36
THE 125 Introduction to Stagecraft 3
THE 135 Makeup for the Stage 3
THE 235 Costuming for the Stage 3
THE 255 Acting I: Fundamentals of Acting 3
OR
THE 257 Acting for Musical Theater……..3
THE 290 Theatre Production II……...1
THE 300 History of the Theater I 3
THE 320 Drafting for the Stage 3
THE 325 Stagecraft (1 hr to be taken 4 times) 4
THE 365 Voice and Speech for the Actor I 3
THE 405 Script Interpretation 3
THE 460 Movement for the Actor I 3

PERFROMANCE EMPHASIS..……..9
THE 355 Acting II: Advanced Acting……...3
THE 370 Voice and Speech for the Actor II……..……3
THE 465 Movement for the Stage II……...3

RESTRICTED ELECTIVES (to reach 18 hours) Any MUS, DAN, or THE course:
ART 100 Fundamentals of Art 3
ART 110 2D Foundation Design 3
ENG 311 Shakespeare 3
ENG 395 Literary Criticism 3

BACHELOR OF ARTS IN THEATER: DESIGN AND TECHNOLOGY EMPHASIS

General Studies Courses:..... 49-53
Required Theater Core: 36
Design and Technology Emphasis:..……9
Restricted Electives to total: 120

THEATER CORE:
THE 125 Introduction to Stagecraft 3
THE 135 Makeup for the Stage 3
THE 235 Costuming for the Stage 3
THE 245 Theatre Production……..1
THE 255 Acting I: Fundamentals of Acting 3
OR
THE 257 Acting for Musical Theatre……..3
THE 290 Theatre Production II 1
THE 300 History of the Theater 3
THE 320 Drafting for the Stage 3
THE 325 Stagecraft (1 hr to be taken 4 times) 4
THE 329 Stage Management 3
THE 365 Voice and Speech for the Actor I 3
THE 405 Script Interpretation 3
THE 460 Movement for the Actor I 3

DESIGN AND TECHNOLOGY EMPHASIS:……9
ART 104 Drawing I……3
ART 110 Design I……3
ART 160 Design II……3

RESTRICTED ELECTIVE (to reach 18 hours)……18
ART 110 Design I……3
THE 330 Scene Design……..3
THE 335 Advanced Makeup for the Stage……..3
THE 340 Stage Lighting I: Mechanics and Maintenance……3
THE 345 Stage Lighting II: Advanced Lighting*……...3
THE 430 Advanced Scene Design……3
THE 435 Advanced Costuming for the Stage…….....3
THE 440 Stage Lighting*……..3
THE 470 Play Directing……..3

THE 490 Production III (1) Design/Tech leadership (2)……...1-2

THEATER MINOR

REQUIRED 14
THE 100 Theater Appreciation.....3
THE 125 Introduction to Stagecraft.....3
THE 135 Makeup for the Stage.....3
THE 255 Acting I: Fundamental of Acting 3
THE 290 Theater Production II 2

ELECTIVES
Any other THE courses 11

TOTAL HOURS 25

COSTUME DESIGN MINOR
THE 125 Introduction to Stagecraft..... 3
THE 135 Makeup for the Stage..... 3
THE 235 Costuming for the Stage 3
THE 245 Theater Production I 1
THE 435 Advanced Costuming for the Stage 3
THE 478 Special Problems 3

TOTAL HOURS 16

SCENE DESIGN MINOR
THE 125 Introduction to Stagecraft..... 3
THE 245 Theater Production I 1
THE 320 Drafting for the Stage..... 3
THE 325 Stagecraft (1 hr to be taken 4 times)..... 4
THE 330 Scene Design..... 3
THE 430 Advanced Scene Design..... 3

TOTAL HOURS 17

DANCE MINOR
REQUIRED: 8
EP 240 Anatomy and Physiology..... 3
DAN 300 Dance History 3
DAN 350 Principles of Choreography & Improvisation 2

CHOOSE 8 HOURS FROM THE FOLLOWING, WITH AT LEAST 4 HRS AT THE 200 LEVEL:
DAN 150 Modern I 2
DAN 155 Jazz I 2
DAN 160 Tap I 2
DAN 165 Ballet I..... 2
DAN 250 Modern II 2
DAN 255 Jazz II 2
DAN 260 Tap II 2
DAN 265 Ballet II..... 2

RESTRICTED ELECTIVES: 3
THE 235 Costuming for the Stage 3
THE 440 Lighting Design 3
EP 395 Kinesiology 3

TOTAL HOURS 19

GARY E. WEST COLLEGE OF BUSINESS

Bachelor of Science in Business Administration

Majors:

Accounting
Computer Information Systems
Entrepreneurship
Finance
General Business
Health Care Management
Management
Marketing
Sport Management

Minors:

Business Administration
Computer Information Systems
Entrepreneurship

Entrepreneurship Certificate through the Center for Entrepreneurship

Master of Business Administration

Concentrations:

Accounting
Management

GARY E. WEST COLLEGE OF BUSINESS

Dr. Gregory Chase, PhD, Interim-Dean
Michael Blackwell, CPA, MBA, Program Director of Undergraduate Business
Rickard Briggs, D. EL., Interim Program Director of MBA & Director, Center for Entrepreneurship

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

West Liberty University has received specialized accreditation for its business programs through the International Accreditation Council for Business Education (IACBE, 11374 Strang Line Road, Lenexa, Kansas 66215). The business programs in the following degrees are accredited by the IACBE:

Bachelor of Science in Business Administration (B.S.B.A.) with majors in:
Accounting
Computer Information Systems
Entrepreneurship
Finance
General Business
Health Care Management
Management
Marketing
Sport Management
Master of Business Administration with concentrations in:
Accounting
Management

The mission of the Gary E. West College of Business is to engage students in a high quality business education.

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

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

Goal 2. Attract and retain qualified students.

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

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

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

Goal 6. Expand relationships with the external environment to stay cognizant of external expectations and opportunities for the Gary E. West College of Business and our students.

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

Offerings of the Gary E. West College of Business, integrated with other offerings of the University, enable students to obtain (a) a bachelor of science degree in business administration with a major in accounting, computer information systems, entrepreneurship, finance, general business, health care management, management, marketing, sport management, or (b) a minor in business administration, computer information systems, or entrepreneurship.

COMPUTATION OF GRADE POINT AVERAGES

Students pursuing any of the business administration majors must earn a cumulative grade point average of at least 2.00 in the major in order to graduate.

BACHELOR OF SCIENCE DEGREE IN BUSINESS ADMINISTRATION

I. GENERAL STUDIES 48

II. BUSINESS STUDIES CORE

GBUS 140 Introduction to Business	3
ECON 203 Principles of Macroeconomics	3
GBUS 220 Business Communications	3
ACC 224 Principles of Financial Accounting	3
ACC 225 Principles of Managerial Accounting	3
CIS 270 Fundamentals of Information Systems	2
CIS 271 Practical Computer Applications	3
GBUS 280 Business Statistics	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
GBUS 420 Professional Development Seminar	1
MGT 498 Management Strategy & Policy	3
Total	**45**

III. REQUIREMENTS FOR MAJOR found on the following pages

IV. UPPER-LEVEL ELECTIVES

as needed to total minimum..... 120

ACCOUNTING MAJOR

The accounting major 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 become effective practitioners, 2) to educate students to become highly qualified professionals in great demand in today's business world, 3) to help provide students with the necessary skills, abilities, and educational backgrounds to sit for the C.P.A. examinations. Please note that students wishing to become a licensed C.P.A must complete additional college coursework to total 150 credit hours in addition to passing the C.P.A. exam and completing one year of work experience.

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 External Auditing 3
ACC 425 Federal Taxation of Individuals 3
ACC 426 Federal Taxation of Business Entities 3
ACC 447 Accounting Ethics 3
GBUS 444 Legal Environment of Business II 3
Total 30

COMPUTER INFORMATION SYSTEMS MAJOR

The CIS major provides instruction in the application of information technology to the efficient function of business enterprises and provides practical hands-on experience working with the most current devices, software, and management information tools. CIS students will be equipped for growing career opportunities in network administration, database management, data communications, systems analysis, web development, and decision support systems.

CIS 340 Computer Programming & Logic 3
CIS 366 Data Communications 3
CIS 371 Advanced Visual Basic 3
CIS 372 Database Management Systems 3
CIS 450 Systems Analysis & Development 3
CIS 460 Management Information Systems 3
CIS 463 Business Modeling 3
CIS 482 Networking/Hardware 3
CIS Electives/Restricted Elective 3
Total 27

ENTREPRENEURSHIP MAJOR

Entrepreneurship in the College of Business is defined as the pursuit of opportunities through vision, leadership, and passion that challenges the status quo and transforms products, markets, services, or organizations. Entrepreneurship implies risk-taking, innovation, and growth, not necessarily ownership, and can occur in organizations of various sizes and at different stages of development. The goal of the Entrepreneurship major is to encourage creativity, self-reliance, and a "can do" attitude among business students through exposure to the entrepreneurship attitude; promote an understanding and appreciation of entrepreneurship and entrepreneurial organizations and assist students in the development of their own entrepreneurial plans in an applied learning experience.

ENT 202 Creative Problem Solving..... 3
ENT 300 Foundations of Entrepreneurship 3
ENT 301 Entrepreneurial Promotions.. 3
ENT 325 Social Entrepreneurship 3
ENT 350 Entrepreneurship, Law and Ethics 3
ENT 450 Venture Finance and Analysis..... 3
ENT 490 Internship in Entrepreneurship 3
MGT 353 Small Business Management 3
MKT 340 Consumer Behavior 3
Total 27

FINANCE MAJOR

The finance major is designed to provide students with the competencies needed to pursue successful careers in banking, government or the business world. Students with a strong background in business and finance can expect to find employment opportunities in a wide variety of business activities, such as capital budgeting, consulting, financial analysis, and a broad range of banking and financial services.

FIN 310 Investment & Portfolio Analysis I 3
FIN 311 Investment & Portfolio Analysis II 3
FIN 321 Introduction to Wealth Management 3
FIN 322 Insurance Planning 3
FIN 424 Retirement Planning 3
FIN 425 Estate Planning 3
ACC 425 Federal Taxation of Individuals 3
FIN 446 Personal Financial Planning Capstone 3
ACC 447 Accounting Ethics 3
Total 27

GENERAL BUSINESS MAJOR

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

REQUIREMENTS:

ACC 300-400 Level Course 3
ECON/FIN 300-400 Level Course 3
MGT 300-400 Level Course 3
MKT 300-400 Level Course 3
CIS 300-400 Level Course 3
Any 300-400 level ACC, ECON, FIN, GBUS, CIS, MGT, MKT, or ENT courses 12
Total 27

HEALTH CARE MANAGEMENT MAJOR

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

REQUIREMENTS:

BIO 210 Essentials of Biomedical Terminology. 3
HS 302 Health Care Informatics 3
GBUS 444 Legal environment of Business II……..3
MGT 342 Health Care Administration 3
MGT 354 Employment Law 3
MGT 474 Organizational Behavior 3
MGT 475 Human Resource Management 3
MGT 485 Health Care Mgt. Internship 3
Elective 3
Total 27

MANAGEMENT MAJOR

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

MGT 351 Operations Management 3
MGT 353 Small Business Management 3
MGT 354 Employment Law.. 3
CIS 460 Management Information Systems 3
CIS 463 Business Modeling 3
MGT 474 Organizational Behavior 3
MGT 475 Human Resource Management 3
MGT 480 Current Issues in Management 3
One of the following courses:
TEM 300 Intro to Tourism and Event Management 3
MGT 342 Health Care Administration 3
MGT 410 Sport Management & Ethics 3
Total 27

MARKETING MAJOR

Marketing is an exciting, dynamic, and essential field of business administration. Marketing affects us as informed citizens and consumers, as well as members of the work force. Some aspect of marketing influences every part of our daily lives. The majority of business administration majors find job opportunities in some facet of marketing. Marketing is the only aspect of business administration that always has contact with the end users, whether they are consumers or businesses. Marketers strive to add value to goods and services through product planning, pricing, promotion, sales, and delivery. Wholesalers, retailers, advertisers, researchers, transportation analysts, and others employ marketers.

MKT 332 Professional Selling 3
MKT 334 Retailing 3
MKT 340 Consumer Behavior 3
MKT 341 Integrated Marketing Communications 3
MKT 425 Social Media Marketing 3
MKT 485 Marketing Research 3
MKT 498 Marketing Management 3
Any *two* upper-level business courses 6
Total 27

SPORT MANAGEMENT MAJOR

This major is designed to equip individuals with the business-oriented skills necessary for success in management positions in each segment of the sport industry, including, but not limited to, scholastic, collegiate and professional sport, facilities management, sporting goods industry, and campus recreation.

MGT 310 Sport Venue Management 3
MGT 320 Legal Aspects of Sport Industry 3
FIN 325 Sport Finance 3
MGT 410 Sport Management & Ethics 3
MKT 332 Professional Selling 3
MKT 410 Sport Marketing 3
MGT 471 Sport Management Internship 6

Choose 3 hours from the following:

MGT 271 Sport Management Practicum 1
MKT 341 Integrated Marketing Communications 3
MKT 425 Social Media Marketing……..3
PE 322 Organization and Administration of PE, Athletics, and Recreation 3
PE 371 Compliance 2
MGT 474 Organizational Behavior 3
MGT 475 Human Resource Management 3

Total hours for major 27

MINORS OFFERED:

BUSINESS ADMINISTRATION MINOR
(Not open to Business Administration Majors)

ECON 103 Principles of Microeconomics 3*
GBUS 140 Introduction to Business 3
ECON 203 Principles of Macroeconomics 3
GBUS 220 Business Communications 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
MKT 331 Principles of Marketing 3
MGT 350 Principles of Management 3
Total 30

** ECON 103 can be taken as a General Studies requirement, reducing the required hours to 27 in the minor.*

COMPUTER INFORMATION SYSTEMS MINOR

CIS 270 Fundamentals of Information Systems 2
CIS 271 Practical Computer Applications 3
CIS 340 Computer Programming & Logic 3
CIS 366 Data Communications 3
CIS 372 Database Management Systems 3
CIS 460 Management Information Systems 3
CIS 463 Business Modeling 3
Total 20

ENTREPRENEURSHIP MINOR

ENT 202 Creative Problem Solving 3
ENT 300 Foundations of Entrepreneurship 3
ENT 301 Entrepreneurial Promotions 3
ENT 350 Entrepreneurship Law and Ethics 3
ENT 450 Venture Finance and Analysis 3
ENT 490 Internship in Entrepreneurship 3
Total *18*

CENTER FOR ENTREPRENEURSHIP

The Entrepreneurship Program is designed to provide students across all educational majors with a unique learning experience in the fast-paced world of entrepreneurship.

Entrepreneurs are ordinary people who do extraordinary things. Entrepreneurs see “problems” as “opportunities,” then take action to identify the solutions to those problems and the customers who will pay to have those problems solved. Entrepreneurship is a key to economic development.

Entrepreneurs like to do things that are exciting -- things that bend the rules a bit in order to fulfill a passion for creativity, innovation and change.

ENTREPRENEURSHIP CERTIFICATE

Students may earn a Certificate in Entrepreneurship by taking the following 15 credit hours:

ENT 202 Creative Problem Solving 3
ENT 300 Foundations of Entrepreneurship 3
ENT 301 Entrepreneurial Promotions 3
ENT 350 Entrepreneurship Law and Ethics 3
ENT 450 Venture Finance and Analysis 3

Courses are open to non-degree seeking students as well as students of all academic disciplines.

COLLEGE OF EDUCATION AND HUMAN PERFORMANCE

BACHELOR OF ARTS IN EARLY EDUCATION

BACHELOR OF ARTS IN ELEMENTARY EDUCATION

Majors: Elementary Education
Early Intervention

BACHELOR OF ARTS IN SECONDARY EDUCATION

Majors:* Health and Physical Education
Middle Childhood Education

*See other Colleges for a listing of areas in which students can major in Secondary Education.

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

Certifications:

- Art Education Pre-K-Adult
- Art Education 5-12
- Elementary K-6
- Early Education Pre-K-K
- Music Education Pre-K-Adult (Choral and Instrumental)
- Physical Education Pre-K-Adult
- Health Education Pre-K-Adult
- Social Studies 5-Adult
- Mathematics 5-Adult
- Biology 9-Adult
- Chemistry 9-Adult
- General Science 5-Adult
- English 5-Adult
- Multi-Categorical Special Education K-6 and 5-Adult (learning disabilities, behavior disorders, and mental impairments)

Endorsements for Middle School 5-9:

- Art
- English
- Social Studies
- General Science
- Mathematics

BACHELOR OF ARTS IN COMMUNITY EDUCATION

Majors:
Community Arts
Outdoor Education
Sports, Recreation, and Wellness
Museum Education
Educational Leadership in Faith Organizations
Disabilities Services
Teaching English & Global Education

BACHELOR OF SCIENCE IN EXERCISE PHYSIOLOGY

Major: Exercise Physiology
Tracks: Clinical
Health & Fitness

BACHELOR OF SCIENCE IN ATHLETIC TRAINING

Major: Athletic Training

Minors:

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

Master of Arts in Education *(For a full listing see the Graduate Catalog)*

Tracks:
Advanced Special Education
Advanced Teaching
Community Education
Leadership Studies
Multi-Categorical Special Education
Reading Specialist
Sports Leadership and Coaching
Technology Integration

COLLEGE OF EDUCATION AND HUMAN PERFORMANCE

Catherine Monteroso, Ed.D., Interim Dean

TEACHER EDUCATION PROGRAM

Dr. Sarah Schimmel, Program Director

IMPORTANT REMINDER

Changes in state or national requirements or in accreditation requirements sometimes result in program changes that occur after the WLU Catalog has been printed. Students are advised to monitor the Teacher Education web site and to maintain a close working relationship with an academic advisor within the major to ensure that those programmatic changes do not delay graduation.

TEACHER EDUCATION STUDENT POLICY MANUAL

The policies and procedures governing teacher education at West Liberty are outlined in detail in the Teacher Education Student Policy Manual and on the Professional Education web site. The Student Policy Manual is available in PDF format on the Professional Education web site.

In order to fulfill graduation requirements for a B.A. in Education, the student must meet all Teacher Education Certification requirements as prescribed by the State of West Virginia and outlined in the Teacher Education Student Policy Manual. This manual is updated yearly. Students are responsible for meeting the requirements published in this manual the year they are applying for admission into the Teacher Education Program.

ACCREDITATION OF TEACHER EDUCATION PROGRAMS

The teacher education programs at West Liberty are nationally accredited by the National Council For Accreditation of Teacher Education (NCATE). NCATE was sanctioned by the United States Department of Education as the official accrediting body for teacher education in 1954. West Liberty was one of the first institutions accredited by NCATE in 1954 and celebrated 50 years of continuous national accreditation in 2004. In 2011, continuing full accreditation was awarded by NCATE. The Council for Accreditation for Educator Preparation (CAEP) has replaced NCATE as the national accrediting body for teacher education. NCATE accreditation is recognized by CAEP until the next accreditation cycle for WLU. In addition, all teacher education programs at WLU have been approved by the West Virginia Higher Education Policy Commission and by the West Virginia Board of Education.

BACHELOR OF ARTS IN EDUCATION

SUMMARY OF ADMISSION AND RETENTION DEGREES

The admission and retention process teacher education consists of four stages:

1 - Pre-Admission

The first part of the teacher education admission and retention process takes place when the prospective student applies for admission to WLU and indicates that he or she is interested in pursuing a teaching major or when the student changes his or her major to a major in teacher education from another major. The formal declaration of a teaching major on the admission form or with the Registrar's office gives the Teacher Education Program the ability to communicate with the student regarding items of importance to education majors.

2 - Formal Admission into the WLU Teacher Education Program

Students who have completed the requirements for admission into Teacher Education apply for admission using an online form available through the Teacher Education website.

The criteria for admission into Teacher Education are: See Teacher Education Student Policy Manual.

3 - Admission to Clinical Practice (Student Teaching)

See the Teacher Education Student Policy Manual.

4 - Graduation and Certification

During the period of the clinical practice, the student is required to follow the schedule of his or her cooperating teacher and of the school in which he or she is placed. The Student Teaching Syllabus lists all of the requirements and expectations that the student must meet in order to receive credit for the experience.

Students who are pursuing the BA degree must submit an Application for Graduation to the Registrar's Office by the deadline established by that office. The Registrar's Office staff determines if the candidate has met the graduation requirements.

Teaching Certification

To qualify for West Virginia teaching certification, each graduate must also pass all of the required Praxis II tests for the subject area that he or she intends to teach. A list of the required Praxis II tests, along with the required passing scores, is available at the ETS website (http://www.ets.org/praxis) or the West Virginia Department of Education (WVDE) web site.

Graduates may obtain certification packets at the dean's office or by requesting a packet from WVDE. Fingerprinting must be completed at a WVDE approved location.

BACHELOR OF ARTS IN
ELEMENTARY EDUCATION
Major: ELEMENTARY EDUCATION

Admission to the program requires a 3.0 G.P.A.

General Studies 30-33

A. PRE-PROFESSIONAL SKILLS COMPONENT

All education students must pass the pre-professional skills tests (Praxis I). Also, they must demonstrate speaking skills competency by achieving a letter grade of "C" or better in COM 101.

B. CONTENT SPECIALIZATION COMPONENT 44

EDUC 205 Integrated Arts 3
SS 105 Integrated Social Studies 3
ENG 275 Structures of English 3
BIO 340 Life Science II / Lab 4
MATH 240 Math for Elem & 5-9 Teacher I 4
MATH 245 Math for Elem & 5-9 Teacher II 4
PE 343 Elementary Health & PE 2
PHYS 340 Physical Science II 4
READ 312 Phonics & Word Structure Knowledge 3
READ 314 Advanced Literacy Instruction 3
READ 412 Structured Language 3
READ 415 Literacy Assessment 3
HIST 302 W.Va. & Appalachian Region 3
HE 466 Hlth & Safety Mtds & Mat Elem……..2

C. PROFESSIONAL EDUCATION COMPONENT*

Required (13 credit hours)

EDUC 100 Intro to Professional Education 1
EDUC 207 Foundations of Education 3
EDUC 290 Instructional Technology 3
EDUC 301 Educational Psychology 3
SPED 241 Intro to Exceptionalities 3
EDUC 209 Practicum I……..0

METHODS AND MATERIALS BLOCK SEMESTER

Required (17 credit hours)

These courses must be scheduled together during the semester prior to the professional semester. Students must be admitted to Teacher Education before enrolling in the Elementary Education Methods and Materials Block semester. **Students must be eligible for the M&M Block to register for the courses listed below.**

EDUC 311 Practicum II: Elementary 0
EDUC 460 Science Methods & Materials for Elementary Teachers 3
EDUC 461 Mathematics Methods & Materials for Elementary Teachers 3
EDUC 462 Social Science Methods & Materials for Elementary Teachers... 3
EDUC 463 Instructional Design & Assessment 2
READ 417 Language Arts & Reading Diagnosis and Practicum 3
SPED 412 Collaborative Planning, Inst. Assessment of Elem. Students with Special Needs 3

PROFESSIONAL SEMESTER COURSES: **

Required (12 credit hours)

EDUC 409 School Law & Organization 1
EDUC 470 Student Teaching Seminar. 1
EDUC 480 Student Teaching in ECE 5
EDUC 484 Student Teaching in MCE 5

NOTE:

1. A minimum grade of "C" is required for all required courses having an EED, EDUC, READ or SPED prefix and all content specific courses.
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.
4. Students are required to complete 125 hours of field work prior to the professional semester. Field specifications can be found in the Student Policy Handbook on the College of Education and Human Performance website. Students must register for field experience(s) with the Field Experience Coordinator and include time in their schedules to travel to the school and complete the field experience.

** Students must be eligible for student teaching to enroll in the professional semester courses.

Additional electives or optional specialization to total 120

D. OPTIONAL CERTIFICATIONS AVAILABLE TO ELEMENTARY EDUCATION MAJORS

Specialization

Early Education Pre-K-K
Multi-categorical Special Education K-6
Art 5-9
English 5-9
General Sciences 5-9
Mathematics 5-9
Social Studies 5-9

See curriculum summary sheets online or in the Dean's office for course requirements and any specific admission and retention criteria. Students MUST OBTAIN an advisor from each specialization area. EDUC 340/342 replaces Curriculum and Methods content courses for those students who are pursuing a 5-9 Middle School Endorsement.

EARLY EDUCATION PRE K-K
(14 credit hours)

EED 280 Early Childhood Development 3
EED 301 Designing Effective Learning Environments 3
EED 330 Assessment in Early Education 3
EED 380 Developmentally Appropriate Practice & Curriculum...3
EED 483 Student Teaching EED 2
A minimum grade of "C" is required for EED 280, 301, 330, 380.

Multicategorical Special Education PreK-6
(Minimum of 38 hours, 16 hours in addition to required Elementary Education K-6 program)

SPED 241 Intro to Exceptionalities 3
SPED 341 Policies & Procedures in Special Ed 3
SPED 348 Curriculum, Methods and Assessment for Students with Behavior Needs..... 3
SPED 352 C&M Assessment Functional Needs.....3
SPED 355 Curriculum, Methods and Assessment for Students with Academic Needs 3
*READ 312 Phonics & Word Structure Knowledge.....3
READ 314 Advanced Literacy Instruction……..3
READ 415 Literary Assessment……..3
*EDUC 461 Mathematics Methods & Materials for Elementary .3
*READ 417 Language Arts Methods & Materials for Elementary and EED Teachers 3
*SPED 412 Collaborative Techniques Elementary Students with Exceptionalities..... 3
**SPED 481 Student Teaching Special Education.....2

*Also required in Elementary Education K-6 program
**Part of normal student teaching if completed concurrently with Elementary Education K-6 program.

BACHELOR OF ARTS IN
ELEMENTARY EDUCATION
Major: EARLY INTERVENTION

General Studies (Elementary Education)..... 30-33

C or better required for all courses:

Content Specialization Component 60
EDUC 205 Integrated Arts for Elementary Teachers... 3
EED 280 Early Childhood Development 3
EED 301 Designing Effective Learning Environments. 3
EED 330 Assessment in Early Education 3
EED 380 Developmental Appropriate Pract & Curriculum..... 3
CEP 421 Promoting Creativity & the Arts..... 3
CEP 422 Outdoor Learning Spaces..... 3
CEP 452 Reggio Emilia & Other Approach..... 3
HE 466 Health & Safety Methods & Materials……..2
READ 210 Children's Literature 3
READ 312 Phonics & Word Structure Knowledge 3
SPED 341 Policies & Procedures in SPED 3
SPED 343 Assistive & Adaptive Technology for Students with Exceptionalities 3
SPED 348 Curriculum, Methods & Assessment for Students with Behavior Needs..... 3
SPED 351 Early Childhood SPED Residency..... 3
SPED 352 Curriculum, Methods & Assessment for Students with Functional Needs 3
SPED 401 Autism I..... 3
SPED 402 Autism II..... 3
SWK 403 Family and Child Welfare..... 3
SPA 252 Sign Language I..... 3

Professional Education Component 13
EDUC 100 Introduction to Professional Education..... 1
EDUC 207 Foundations of Education 3
EDUC 290 Instructional Technology 3
EDUC 301 Educational Psychology..... 3
SPED 241 Introduction to Exceptionalities..... 3
EDUC 209 Field Practicum I 0
EDUC 309 Field Practicum II 0

Professional Semester Courses 12
EDUC 409 School Law & Organizations..... 1
EDUC 470 Professional Seminar..... 1
SPED 486 Early Intervention Student Teaching SPED 5
EED 485 Early Intervention Student Teaching Gen Ed 5

Admission, Retention, Graduation, and Certification: All teacher education students are required to meet the requirements for admission, retention, graduation and certification as outlined in the Professional Education Admission and Retention Policy.

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 WV Student Education Association.

Note: For State Certification, students must pass the required PRAXIS II test(s) for their content area. Required Praxis I: CASE 5751 All tests at the same time (Reading, Writing, Math) 5712 Reading Score of 166; 5722 Writing Score of 162; 5732 Math Score of 150. Exception for PRAXIS I ACT Score of 26 or SAT score of 117.

MIDDLE CHILDHOOD EDUCATION

Admission to the program requires a 3.0 G.P.A.
Secondary/Comprehensive General Studies 41-45

Content Area Courses (Must choose two 5-9 areas of emphasis)

English (30 hours)
ENG 200 Literature Foundations for English Majors.....3
ENG 204 British Literature Through the 18th Century 3
OR
ENG 214 British Literature After the 18th Century
ENG 205 American Literature Before the Civil War 3
OR
ENG 215 American Literature After the Civil War
ENG 275 Structure of English 3
ENG 320 Young Adult Literature.....3
ENG 360 Creative Writing – Poetry 3
OR
ENG 361 Creative Writing – Fiction
OR
ENG 362 Creative Writing – Nonfiction
ENG 385 Advanced Composition 3
ENG 400 Composition Theory 3
ENG 490 World Literature I.....3
OR
ENG 492 World Literature II
Literature Elective (Any upper-level literature course) 3

Math (24 hours)
MATH 240 Math for Elem & 5-9 Teacher I..... 4
MATH 245 Math for Elem & 5-9 Teacher II..... 4
MATH 145 Pre-Calculus 4
MATH 160 Introduction to Statistics..... 3
MATH 264 Manipulatives in Mathematics..... 2
MATH 309 Calculus & Geometry for Gen. Math 5-9..... 3
MATH 373 Finite Mathematics..... 3
MATH 481 Mathematics Capstone 5-9 1

General Science (35-36 hours)
BIO 124 Biological Principles..... 3
BIO 125 Biological Principle Labs..... 1
BIO 140 Life Science I for Elementary and 5-9 Teachers..... 3
BIO 340 Life Sciences II for Elementary and 5-9 Teachers (2 hour lab included)..... 4
CHEM 100 Foundations of Chemistry.. 3
CHEM 101 Foundations of Chemistry Lab..... 1
GEO 444 Weather and Climate 3
OR
PHYS 400 Intro to Oceanography and Climatology 2
MATH 145 Pre-calculus 4
PHYS 101 Elementary Physics I..... 3
PHYS 110 Elementary Physics Lab I... 1
PHYS 315 Trends and Issues in Science Education 3
PHYS 340 Physical Science II for Elem/5-9 Teachers [lab included] 4
PHYS 345 Earth and Space Science 3
PHYS 346 Earth and Space Science Lab 1

Social Studies (30 hours)
ECON 103 Principles of Microeconomics..... 3
ECON 203 Principles of Macroeconomics 3
GEO 205 Introduction to Geography 3
GEO 206 World Regional Geography 3
HIST 103 History of Civilization I..... 3
HIST 104 History of Civilization II..... 3
HIST 210 History of United States to 1876..... 3
HIST 211 History of United States II Since 1876..... 3
POLS 201 American Government..... 3
HIST 302 West Virginia and the Appalachian Region 3

Art (33 hours)
ART 104 Drawing I 3
ART 110 2D Foundation Design..... 3
ART 140 Art Appreciation..... 3
ART 160 3D Foundation Design..... 3
ART 210 Watercolor Painting I..... 3
OR
ART 215 Oil/Acrylic Painting I 3
ART 220 Ceramics I 3
ART 260 Sculpture 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
STUDIO EMPHASIS 6

Professional Education Courses
Required (13 hours)
EDUC 100 Introduction to Professional Education..... 1
EDUC 207 Foundations of Education... 3
EDUC 290 Instructional Technology 3
EDUC 301 Educational Psychology 3
SPED 241 Introduction to Exceptionalities..... 3
EDUC 209 Practicum 1……0

METHODS AND MATERIALS BLOCK SEMESTER
These courses must be scheduled together during the semester prior to the professional semester. Students must be admitted to Teacher Education before enrolling in the Secondary Education Methods and Materials Block semester. **Students must be eligible for the M&M Block to register for the courses listed below.**
EDUC 293 Instructional Design Assessment for Middle/Secondary Ed 3
EDUC 341 Methods and Materials for Middle Childhood 2
EDUC 342 Methods and Materials Lab for Secondary Teachers 1
READ 302 Reading for the Content Area..... 3

SPED 320 Collaborative Techniques For Secondary Students with Exceptionalities 3
EDUC 309 Practicum II 0

Professional Semester Courses**
EDUC 409 School Law and Organization 1
EDUC 470 Professional Seminar 1
EDUC 484 Student Teaching in MCE 5
EDUC 484 Student Teaching in MCE 5

NOTE:
1. A minimum grade of "C" is required for all required courses having an EED, EDUC, READ or SPED prefix and all content specific courses.
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.
4. Students are required to complete 125 hours of field work prior to the professional semester. Field specifications can be found in the Student Policy Handbook on the College of Education and Human Performance website. Students must register for field experience(s) with the Field Experience Coordinator and include time in their schedules to travel to the school and complete the field experience.
** Students must be eligible for student teaching to enroll in the professional semester courses.

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

G.P.A. of 3.0 required for admission to program.

Secondary/Comprehensive General Studies 41-45

PRE-PROFESSIONAL SKILLS COMPONENT
All education students must pass state-required pre-professional skills tests (Praxis I). Also, they must demonstrate speaking skills competency by achieving a letter grade of "C" or better in COM 101.

SECONDARY AND PRE-K-ADULT PROFESSIONAL EDUCATION COMPONENT
Required (13 Credit Hours)
EDUC 100 Intro. to Professional Education 1
EDUC 207 Foundations of Education 3
EDUC 290 Instructional Technology 3
EDUC 301 Educational Psychology 3
SPED 241 Intro to Exceptionalities 3
EDUC 209 Practicum I…..……..0

METHODS AND MATERIALS BLOCK SEMESTER
Required (13 hours)
These courses must be scheduled together during the semester prior to the professional semester. Students must be admitted to Teacher Education before enrolling in the Secondary Education Methods and Materials Block semester. **Students must be eligible for the M&M Block to register for the courses listed below.**
EDUC 293 Instructional Design Assessment for Middle/Secondary Ed 3
EDUC 342 Methods and Materials Lab for Secondary Teachers 1
EDUC 340 Curr. and Methods in Specialization 3
READ 302 Reading for the Content Area 3
SPED 320 Collaborative Techniques For Secondary Students with Exceptionalities 3
EDUC 309 Practicum II 0

PROFESSIONAL SEMESTER COURSES: **
(APPROVAL FOR STUDENT TEACHING REQUIRED)
EDUC 409 School Law & Organization 1
EDUC 470 Student Teaching Seminar 1
EDUC 484 Student Teaching in MCE 0-10
EDUC 482 Student Teaching in AC 0-10

NOTES:
1. A minimum grade of "C" is required for all required courses having an EED, EDUC, READ or SPED prefix.
2. Students choosing an additional specialization are also required to take the Curriculum and Methods course for that specialization.
3. For West Virginia certification, students must pass the required PRAXIS II tests for their content area.
4. Students are required to complete 125 hours of field work prior to the professional semester. Field specifications can be found in the Student Policy Handbook on the College of Education and Human Performance website. Students must register for a field experience with the Field Experience Coordinator and include time in their schedules to travel to the school and complete the field experience.

** Students must be eligible for student teaching to enroll in the professional semester courses.

Optional 5-Adult Specialization in Multicategorical Special Education available to students completing secondary education degrees with the following majors: English, Mathematics, Social Studies, Biology, Chemistry, or General Science.
Required Courses:
MATH 240 Math for Elementary & 5-9 Teachers I.……4
SPED 241 Intro to Exceptionalities..... 3
SPED 320 Collaborative Techniques For Secondary Students with Exceptionalities ....…3
SPED 341 Policies & Procedures in Special Ed..... 3
SPED 348 Curriculum, Methods and Assessment for Students with Behavior Needs 3

SPED 352 C&M Assessment Functional Needs 3
SPED 355 Curriculum, Methods and Assessment for Students with Academic Needs 3
SPED 481 Student Teaching Special Education 2
READ 302 Reading for Content Area Instruction……..3
READ 312 Phonics & Word Structure Knowledge 3
READ 412 Structured Language…….3
READ 415 Literary Assessment……..3

BACHELOR OF ARTS IN SECONDARY EDUCATION WITH A MAJOR IN HEALTH & PHYSICAL EDUCATION

The goal of the Health & Physical Education Major is to provide instruction and activities in required course work designed to produce teachers of physical education, health education, coaches, recreation leaders, or health specialists.

General Studies 43-45

There are two tracks within the Health & Physical Education Major —the **Education Track** and the **Athletic Coaching Education Track**:

1. **EDUCATION TRACK** (133 hours) — designed to prepare students to become Health and Physical Educators, earning Pre-K – Adult certification in each area. The program is nationally accredited by the *National Council for Accreditation of Teacher Education* (NCATE). Certification courses are approved and recognized by the West Virginia State Department of Education. An overall GPA of 3.0 is required for admission to Professional Education. Candidates must demonstrate fitness proficiency throughout each stage of the program.

2. **ATHLETIC COACHING EDUCATION TRACK** (120 hours) — provides students the opportunity to study all aspects of coaching including sport technique, exercise physiology, kinesiology, strength and conditioning principles, technology, nutrition, coaching/athletic administration, psycho/social influences, teaching methods, and injury care and prevention.

Core (42 Hours):

PE 115 Beginning Swimming or PE 225 Lifeguarding 1
PE 120 Introduction to Health & Physical Education 1
PE 211 Group Fitness Leadership 2
PE 240 Anatomy & Physiology 3
PE 258 Motor Development 2
PE 308 Invasion & Diamond Games……3
PE 317 Net & Wall Games…….3
PE 321 Assessment in PE 2
EP 325 Exercise Physiology I 3
PE 365 Psych & Soc of PE and Sport..... 2
PE 395 Kinesiology 3
PE 452 Adapted PE..... 2
HE 300 Nutrition & Fitness 3
HE 320 Mental Health & Drug Use and Abuse..... 3
HE 340 Human Sexuality 3
HE 360 Community Health 3
SDE 232 First Aid & Emergency Services..... .3
OR
SDE 252 EMT……..3

Education Track (46 Hours):

PE 306 Primary Movements..... 2
HE 370 Teaching Elementary Health 3
HE 468 School Health: Instruction & Legalities/Practicum..... 3
EDUC 100 Intro to Professional Education 1
EDUC 207 Foundations of Education..... 3
EDUC 290 Instructional Technology 3
EDUC 293 Instructional Design..... 3
EDUC 301 Educational Psychology 3
EDUC 340 M & M for Secondary Teachers..... 2
EDUC 342 M & M Lab for PE 1
EDUC 342 M & M Lab for HE..... 1
READ 302 Content Area Reading 3
SPED 241 Introduction to Exceptionalities..... 3
SPED 320 Collaborative Planning Special Needs Learner 3
EDUC 409 School Law & Organization 1
EDUC 470 Student Teaching Seminar 1
EDUC 480 Student Teaching in ECE 0-2
EDUC 482 Student Teaching in AE..... 0-10

Athletic Coaching Education Track (33 Hours):

EP 299 Strength & Conditioning Concepts..... 3
EP 450 Biomechanics 3
PE 320 Principles of Coaching 3
PE 335 Sport Officiating 2
PE 354 Facilities Management..... 2
PE 355 Sport Law..... 2
PE 371 Compliance..... 2
PE 322 Organization and Administration – Capstone 3
PE 342 Care and Prevention..... 2
PE 440 Coaching Internship..... 6
CEP 463 Leadership in Community Education 3
Students must take three of the following:
PE 327 Coaching Youth Sports..... 1
PE 328 Gender & Cultural Concepts in Coaching..... 1
PE 329 Coaching Golf..... 1
PE 331 Coaching Baseball/Softball..... 1
PE 332 Coaching Football..... 1
PE 333 Coaching Volleyball 1
PE 334 Coaching Basketball 1
PE 336 Coaching Wrestling..... 1
PE 337 Coaching Track & Field 1
PE 338 Coaching Tennis..... 1
PE 344 Coaching Soccer 1
PE 339 Coaching & Youth Sports……1
PE 340 Gender & Cultural Concepts in Coaching……..1

EDUCATION MINOR

(18 Credit Hours)

EDUC 201 Human Development 3
SPED 241 Introduction to Exceptionalities..... 3
EDUC 207 Foundations of Education 3
EDUC 290 Educational Technology..... 3
EDUC 301 Education Psychology..... 3
Choose three 3-credit hour courses from EDUC, READ, SPED or EED. 3

(Note: The Education Minor does not lead to teaching certification).

SPECIAL EDUCATION MINOR

(17-18 Credit Hours)

SPED 241 Introduction to Exceptionalities..... 3
SPED 341 Policies and Procedures in SPED 3
SPED 348 Curriculum, Methods, and Assessment for Students with Behavior Needs 3
SPED 352 C&C Assess Functional Needs 3
SPED 355 Curriculum, Methods and Assessment for Students with Academic Needs..... 3

Choose one course from the following:
PE 452 Adapted Physical Education I.. 2
PE 453 Adapted Physical Education II. 2
SPED 343 Assistive and Adaptive Technology for Students with Exceptionalities 3
SPED 353 Education for the Gifted I.... 3
SPED 391 Current Issues/Trends in SPED 3
SPED 401 Autism I 3

(Note: The Special Education Minor does not lead to teaching certification).

BACHELOR OF ARTS IN COMMUNITY EDUCATION

Dr. Miriam Roth-Douglas, Program Director

The mission of the Community Education program at WLU is to attract intelligent and creative students showing an interest in education that is not limited to "traditional teacher education" in the classroom. The program seeks candidates who are open to serve as competent and effective professional educators and facilitators, willing to marry the two worlds of Formal and Non-Formal Education through active engagement in and through the community. Many of the courses in the Community Education Program include field experiences in the local community and/or community based settings. Students are responsible for their own transportation.

The curriculum is designed to structure, facilitate, and promote the 21st Century skills of critical thinking, problem solving, and creativity. Students are encouraged to communicate and collaborate with individuals, groups, and institutions of the community on a local, national, and even international level. The program aims to develop master educators, facilitators, and educational leaders that contribute to community development at various levels, by engaging in the community through teaching, motivating its members through reflection, and consequently changing lives in a positive way.

Students will be equipped to serve the community/non-formal education of children, adults, and communities through a broad set of coursework. The acquired knowledge of specific common core courses, community education courses, and the possibility of specification in one of the majors of Community Arts, Disabilities Services, Educational Leadership in Faith Organizations, Museum Education, Outdoor Education, Teaching English and Global Education, and Sports, Recreation and Wellness will not just embrace the students' interests and strengths, but also provide students with multifaceted employment options in schools, universities, museums, community centers, and other community facilities upon graduation.

GENERAL STUDIES ..... ….51-53
CORE..... 43
Choose one major: 15-30
Community Arts; Outdoor Education; or Sports, Recreation and Wellness; Museum Education; Educational Leadership in Faith Organizations; Disabilities Services; Teaching English and Global Education.
Electives to total minimum 120

CORE – 43 credit hours:
EDUC 201 Human Development..... 3
EDUC 205 Integr. Arts for Elementary Teachers..... 3
ENT 350 Entrepreneurship and Law 3
SPED 241 Exceptionalities and Diversities..... 3
CEP 411 Formal & Non-Formal Education Models..... 3
CEP 421 Promoting Creativity & the Arts..... 3
CEP 422 Outdoor Learning Spaces 3
CEP 433 Program Design and Implementation 3
CEP 442 Community Empowerment and Engagement 3
CEP 443 Fundraising and Grant Writing 3
CEP 452 Reggio Emilia and Other Approaches ….. .....….....3
CEP 463 Leadership in Community Education 3
CEP 473 Community & School-Based Programming…..... .....….....3
CEP 493 Internship/International Community Experience 4

COMMUNITY ARTS
MAJOR (15 hours)

ENT 202 Creative Problem Solving …..... .....…..3
MGT 350 Principles of Management …..... .....….....3
CEP 492 Practicum I (on-campus)/Community Arts.. .....….....3
(theatre, dance and movement, music and youth symphony, visual arts and exhibitions)

CEP 482 Practicum II (off-campus)/Community Arts … .....…..3
(theatre, dance and movement, music and youth symphony, visual arts and exhibitions)
COM 227 Visual Literacy ….....…....3
Or one of the following:
COM 231 News Writing and Reporting …..... .....….. ..3
COM 313 Organizational Communication …..... .....….....3
COM 426 Multimedia and Social Networking …..... .....….....3
COM 434 Desktop Publishing …..... .....…..... 3

DISABILITIES SERVICES
MAJOR (27 Hours)

CEP 482 Practicum II (off-campus)..... 3
CEP 492 Practicum I (on-campus)..... 3
SPED 341 Policies & Procedures in SPED..... 3
SPED 348 C&M Assess for Behavior Needs 3
SPED 352 C&M Assessment Functional Needs..... 3
SPED 401 Autism I 3
SPED 402 Autism II: Assessment & Intervention..... 3

Select 9 Hours of the following:
SPED 478 Special Topics 3
EED 301 Designing effective Learning Environments……3
HE 320 Mental Health and Drug Use and Abuse……3
HE 360 Community and Environmental Health……3

EDUCATIONAL LEADERSHIP IN FAITH ORGANIZATIONS
MAJOR (27 Hours)

REL 250 Religions of the World 3
Choose any other REL course 3
CEP 312 Fund. Of Leadership in Faith Orgs. 3
CEP 322 From Chants to Cymbals 3
CEP 333 Leadership in Faith Orgs. 3
CEP 353 Curriculum & Service Learning 3
CEP 363 Dealing with Skeptical Questions 3
CEP 482 Practicum II (off-campus)..... 3
CEP 492 Practicum I (on-campus)..... 3

MUSEUM EDUCATION
MAJOR (21 Hours)

ENT 202 Creative Problem Solving 3
MGT 350 Principles of Management..... 3
CEP 432 Museum Pedagogy: Theory & Practice 3
CEP 453 Museum Exhibition Design Principles..... 3
CEP 482 Practicum II (off-campus)..... 3
CEP 492 Practicum I (on-campus)..... 3
COM 227 Visual Literacy 3
Or one of the following:
COM 231 News Writing and Reporting 3
COM 313 Organizational Communication..... 3
COM 426 Multimedia & Social Networking 3
COM 434 Desktop Publishing 3

OUTDOOR EDUCATION
MAJOR (28 Hours)

BIO 224 Field Natural History..... 3
SDE 232 First Aid & Emergency Services..... 3
BIO 235 Introduction to Environmental Policies and Issues ..... … .....……3
CEP 482 Practicum II (off-campus) 3
CEP 492 Practicum I (on-campus) 3
PE 317 Net and Wall Games..... ...3
PE 322 Organization and Administration of Physical Education, Athletics, and Recreation……3
GEO 307 Environmental Issues in Appalachia 3
Or one of the following:
GEO 312 Geographies of World Tourism 3
GEO 317 Geographies of Disasters..... 3
GEO 360 Land Use & Community Planning..... 3
GEO 400 Cultural Geography 3
GEO 405 Environmental Geography 3
GEO 444 Weather and Climate 3
GEO 481 Seminar in Urban and Rural Geography 3
BIO 340 General Biology for Elementary Teachers 4

SPORTS, RECREATION, AND WELLNESS
MAJOR (27 Hours)

CEP 482 Practicum II (off-campus) 3
CEP 492 Practicum I (on-campus) 3
HE 360 Community and Environmental Health..... 3
PE 211 Group Fitness Leadership..... 2
PE 317 Net and Wall Games..... 3
PE 322 Organization and Administration of Physical Education, Athletics, and Recreation..... 3
PE 354 Facilities Management..... 2
PE 365 Psychology and Sociology of Physical Education…….2
PE 452 Adapted PE……2
SDE 232 First Aid and Emergency Services..... 3

Select one credit hour from the following classes:
PE 115 Beginning Swimming……..... ...1
PE 225 Lifeguarding..... 1

TEACHING ENGLISH & GLOBAL EDUCATION
MAJOR (25-27 Hours)

ENG 275 Structure of English 3
ENG 410 Methods of Teaching Foreign Language 3
LING 150 Intro to Language and Linguistics 3
LING 285 Intro to Second Language Acquisition 3
LING 315 Sociolinguistics..... 3
CEP 492 Practicum I (on-campus) 3
CEP 482 Practicum II (off-campus) 3
Any 300-400 level courses to total 120 hours of degree 4-6

COMMUNITY EDUCATION
MINOR (17-18 Hours)

Choose a minimum of 17-18 hours from the following:

EDUC 290 Instructional Technology 3
EDUC 301 Educational Psychology 3
CEP 411 Formal and Non-Formal Educational Models 3
CEP 421 Promoting Creativity and the Arts 3
CEP 422 Outdoor Learning Spaces 2
CEP 433 Program Design and Implementation 3
CEP 442 Community Empowerment and Engagement 3
CEP 443 Fundraising and Grant Writing 3
CEP 463 Leadership in Community Education 3
CEP 493 Internship/International Community Exp 4
SPED 241 Exceptionalities and Diversities 3

(Note: The Community Education Major and Minor do not lead to teaching certification).

BACHELOR OF SCIENCE
IN EXERCISE PHYSIOLOGY

EXERCISE PHYSIOLOGY
MAJOR

Dr. Ryan Koenig, Program Director

Exercise Physiology Mission Statement

The goal of the Exercise Physiology Program is to reflect those of the American Society of Exercise Physiologists (ASEP) while providing students with a solid foundation in factual and conceptual mastery of human movement study. The curriculum is designed to promote critical thinking skills, effective writing, clear articulation and presentation, and analytical skills that transcend the subject matter. Students are also encouraged to participate in, and learn to appreciate the application of scientific research to real world problems and/or service for the benefit of the community, with consideration of the moral and ethical issues involved. The program aims to develop well rounded individuals. Students will be equipped with the skills necessary to succeed in graduate school and/or professional fields of study, and will have a diverse array of options upon graduation.

Program Features: The Bachelor of Science degree in Exercise Physiology includes three components (120 total hours):

- General Studies requirement for the Bachelor of Science degree (47 hrs; 6 hours count toward major component as well)
- Major Component (56 hrs)
- Requirements for concentration areas (23 hrs)

During the course of Study in Exercise Physiology, the student will be exposed to classroom lectures, laboratory experiences, a research project, and a field internship.

Courses taken outside the department that provide the foundation for the Exercise Physiology curriculum include: chemistry, math, biology, computer science, health, physics, and psychology.

Admissions and Performance Standards: Any individual who has been admitted to WLU as a student is eligible for admission into the program. In order to graduate, students must have a 2.5 overall and a minimum grade of "C" in all EP major component classes. To be eligible for an internship, student must have an overall GPA of 2.5.

Exercise Physiology Major Component:

EP 125 Introduction to Exercise Physiology 1
EP 299 Basic Strength and Conditioning 3
EP 325 Exercise Physiology I 3
EP 326 Exercise Physiology I Lab 1
EP 333 Exercise Metabolism and Nutrition 3
EP 352 Sports Rehabilitation 3
EP 448 Exercise Physiology II 3
EP 449 Exercise Physiology II Lab 1
EP 450 Biomechanics 3
EP 454 Cardiac Rehabilitation 3
EP 455 Modifications of Exercise 3
EP 460 Theory of Testing, Prescriptions 3
EP 480 Internship 6
SDE 232 First Aid and Safety 3
OR
SDE 252 Emergency Medical Technician 3
HE 300 Nutrition and Fitness 3
PE 240 Anatomy and Physiology 3
PE 326 Tests, Measurements, and Research Design 2
PE 395 Kinesiology 3
MATH 160 Statistics 3
CIS 271 Practical Computer Applications 3

CONCENTRATION OPTIONS

Choose One:

CLINICAL (23 credit hours)

BIO 210 Essential Biomedical Term. 3
BIO 302/303 Human Anatomy & Physiology I/Lab 4
CHEM 112/113 General Chemistry II/Lab 4
EP 464 Clinical EP Seminar 1
PHYS 101/110 Elementary Physics I/Lab 4
PHYS 102/111 Elementary Physics II/Lab 4
PSYC 252 Life Span Development 3

HEALTH AND FITNESS (23 credit hours)

PE 211 Group Fitness Leadership 2
PE 258 Motor Development 2
PHYS 190/191 Physical World/Lab 4
PSYC 252 Lifespan Development 3
HE 320 Mental Health and Drug Use and Abuse 3
HE 360 Community and Environmental Health 3
EDUC 201 Human Development 3
SPED 241 Intro to Exceptionalities 3

EXERCISE PHYSIOLOGY

MINOR (16 hours)

Required Classes (4hrs)

EP 325 Exercise Physiology I 3
EP 326 Exercise Physiology I Lab 1

Electives (at least 12hrs from the following classes):

EP 299 Strength and Conditioning.....3
EP 333 Exercise Metabolism and Nutrition……..3
EP 352 Sports Rehab……..3
EP 448/449 Exercise Physiology II/Lab 4
EP 450 Biomechanics 3
EP 454 Cardiac Rehabilitation 3
EP 455 Modifications of Exercise.....3

BACHELOR OF SCIENCE IN ATHLETIC TRAINING

ATHLETIC TRAINING MAJOR

Dr. David R. Hanna, PT, DPT, MS, ATC, Program Director
Hannah Harnar, MS, ATC, Clinical Education Coordinator

Athletic trainers have an important role in health care today. Athletic Trainers assist in the diagnosis, assessment, management, treatment, and rehabilitation of injuries and illnesses in physically active people. Recognized by the American Medical Association as allied health professionals, athletic trainers work under the supervision of a physician and assist with the care and well-being of physically active people.

The mission of the WLU ATP is to graduate a student who demonstrates effective communication and ethical decision making while always considering patient-centered values. The ability to practice and apply evidence-based medicine in patient care is vital. Graduates will provide a culture of peer mentoring and leadership that builds knowledge, strengthens clinical skill application, and facilitates an environment of continuous learning. Athletic Trainers constantly advocate for the profession of athletic training in various health care settings.

The Athletic Training Program is formally accredited through the Commission on Accreditation of Athletic Training Education (CAATE). As a professional program, the Athletic Training Program at West Liberty University leads to the eligibility of graduates to sit for the Board of Certification examination.

As a results of the goals/outcomes of the WLU ATP:

1: Students will demonstrate the ability to provide quality healthcare to a diverse patient population in various healthcare settings.
2: Students will understand the roles and responsibility of an AT across a variety of health care settings.
3: Students will develop the knowledge and skills necessary to interpret current evidence-based research and apply it to clinical practice.
4: Students will be able to communicate effectively to a variety people in various health care professions.

Student Expenses and Fees:

The following items are a list of expenses that could be incurred as an AT Student once you are officially accepted into the major. **Estimated cost is a general idea for students to prepare. Costs are not standardized and may be subject to change.

Fee Description	Estimated Cost**	Additional Information
Textbooks (dependent on class and semester) Cadaver Fee	$200-300/semester $25	
Apparel (at least one polo per year)	$30-50/year	More apparel can be purchased through the AT club as fundraisers.
NATA Dues	$75.00/annual fee	
ATrack	No additional fee	Included in NATA
Criminal Background Check	$45	Certified Background
Drug Test	$38	Certified Background
TB (Tuberculosis Testing)-*Required*	$5-$30	Available at Student Health Services (Mon and Tues) Cost-$5. Otherwise student is advised to go to Primary Care physician or Urgent Care facility
Hepatitis B (3 part series) with titer-*Required*	Cost dependent on individual health care coverage	See Primary Care physician or Urgent Care facility
Varicella (proof of disease or vaccination) with titer -*Required*	Cost dependent on individual health care coverage	See Primary Care physician or Urgent Care facility
Other immunizations – *Highly Recommended* Refer to Mandatory Health Form	Cost dependent on individual health care coverage	See Primary Care physician or Urgent Care facility
Transportation (to clinical sites)	Students are required to have transportation to clinical sites. Sites vary depending on location. Car-pooling is encouraged.	Lack of transportation is not an excuse to miss clinical site rotations. You are expected to have transportation.
First-Aid/CPR Card	Initial one free from a required class	Subsequent updates are student responsibility ~$25-30.

Total Hours Needed for Degree 120
General Studies 46-48

Students must complete the following seven items by the end of his or her freshman year to be eligible for application and review board processing. After the seven items listed, please note the section listing the courses that must be completed during the freshman year.

1. Minimum 2.8 cumulative GPA
2. Minimum of a "C" grade in the following courses: in the department of health and human performance (AT 115; PE 240); a minimum of a "B" grade in AT 100; and a minimum of a "C" in BIO 124/125.
3. Minimum of 30 hours of clinical observation during the first two semesters.
4. Acknowledgement and compliance with the ATP Technical Standards set forth by the WLU AT Program
5. Completion of Mandatory Health Form, which includes physical, required immunizations and proof of current health insurance coverage for the WLU ATP.
6. Professional letter of application to the review board explaining why you declared Athletic Training as a major.
7. Successful interview with the review board.

The following courses are to be completed during the freshman year (12 hours):

PE 240 Anatomy & Physiology 3
AT 100 Introduction to Athletic Training 3
AT 115 Kinesiology for Athletic Training 3
Choose one:
SDE 232 First Aid & Emergency Services 3
SDE 252 EMT 3

The following courses are to be completed in the sophomore to senior years:

AT 200 Athletic Training Clinical Practicum I 1
AT 205 Athletic Training Clinical Practicum II 1
AT 220 Athletic Training Taping & Bracing 3
AT 225 Therapeutic Modalities 3
AT 300 Athletic Training Clinical Practicum III 2
AT 305 Athletic Training Clinical Practicum IV 2
AT 330 Rehab. of Lower Extremity Athletic Injuries 3
AT 335 Rehab. of Upper Extremity Athletic Injuries 3
AT 340 Orthopedic Assessment of the Lower Body 3
AT 345 Orthopedic Assessment of the Upper Body 3
AT 355 General Medical Conditions in Athletic Training 3
AT 400 Athletic Training Clinical Practicum V 2
AT 405 Athletic Training Clinical Practicum VI 2
AT 410 Seminar in Athletic Training 2
AT 420 Athletic Training- A Problem Based Approach I 3
AT 425 Athletic Training- A Problem Based Approach II 3
AT 435 Administrative Aspects of Athletic Training 2
AT 445 Athletic Training Capstone 3
EP 450 Biomechanics 3
PE 326 Tests, Measurements, & Research Design 2
EP 325 Exercise Physiology 3

Required hours 6
EP 299 Strength & Conditioning 3
HE 300 Nutrition & Fitness 3

Choose six (6) hours from the following:

EP 455 Modification of Exercise 3
EDUC 201 Human Development 3
EDUC 207 Foundations of Education 3
SPED 241 Intro to Exceptionalities 3
PE 258 Motor Development 2
PE 354 Facilities Management in Sports & Physical Education 2
PE 355 Sport Law 2
PE 365 Psychology and Sociology of Phys. Education 2
PE 371 Compliance 2
EP 352 Sport Rehabilitation 3

ATHLETIC COACHING
MINOR (17 hours)

HE 300 Nutrition and Fitness 3
PE 320 Principles of Coaching 3
PE 355 Sport Law 2
PE 365 Psych and Soc of PE 2
SDE 232 First aid & Emergency Services 3

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 336 Coaching Wrestling 1
PE 337 Coaching Track & Field 1
PE 338 Coaching Tennis 1
PE 344 Coaching Soccer 1

HEALTH & FITNESS
MINOR (17 hours)

This minor is designed to provide students with the opportunity to gain knowledge and skills from a variety of courses in the areas of health, fitness, nutrition, anatomy and exercise physiology. The Health and Fitness minor will prepare students to pursue careers in health and fitness related fields in community or industrial settings. It will also help develop a pathway to graduate programs in disciplines such as sports medicine and health promotion. Additional classes may be required depending on the graduate program. The minor is intended to offer non education students from a variety of majors a degree in Health and Fitness.

REQUIRED HOURS: 17

SDE 232 First aid & Emergency Services 3

PE 211 Group Fitness Leadership 2
PE 240 Anatomy 3
EP 299 Basic Strength & Conditioning.....3
HE 300 Nutrition & Fitness.....3
HE 360 Community Health 3

College of Liberal Arts

DEPARTMENT OF CRIMINAL JUSTICE

Bachelor of Science in Criminal Justice

DEPARTMENT OF HUMANITIES

Bachelor of Arts in English:
Majors: Literature
Comic Studies
Rhetoric & Writing
English Pre-law

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

Minors: *English, English: Comic Studies, Creative Writing, Spanish, French, Teaching English as a Second Language, Writing, Philosophy and Religion, Philosophy, Religion*

Bachelor of Arts in Education - Social Studies Comprehensive
** Certification: Social Studies 5-9*

Bachelor of Arts in Social Science
Majors: Geography & Planning
Geography Pre-law
History
History - Prelaw

Bachelor of Science in Social Science
Majors: Geography & Planning
History
Political Science
Sociology

DEPARTMENT OF SOCIAL WORK

Bachelor of Social Work

Minors: *Appalachian Studies, Criminal Justice, Geography, History, Pre-Law, International Studies, Medieval Studies, Psychology, Social Work*
** Must be added to a 5-Adult Teacher Education or Elementary Education degree. Not a stand-alone certification.*

COLLEGE OF LIBERAL ARTS

Dr. Gerard NeCastro, Dean

DEPARTMENT OF HUMANITIES

BACHELOR OF ARTS IN ENGLISH

GENERAL STUDIES 51-53

ENGLISH CORE 12
ENG 200 Literature Foundations for English Majors.....3
ENG 315 Multicultural Studies in Literature 3
ENG 385 Advanced Composition 3
ENG 495 Senior Seminar.....3

CHOOSE A MAJOR FROM THE FOLLOWING:

LITERATURE MAJOR

REQUIRED COURSES
ENG 311 Shakespeare……...3
ENG 395 Literary Criticism……3
Choose *one* of the following.....3
ENG 204 British Literature Through the 18th Century
ENG 214 British Literature After the 18th Century
Choose *one* of the following.....3
ENG 205 American Literature Before the Civil War
ENG 215 American Literature After the Civil War
Choose *one* of the following.....3
ENG 490 World Literature I
ENG 492 World Literature II
Choose *two* of the following……6
ENG 312 American Colonial and Revolutionary Literature
ENG 314 American Romantic Literature
ENG 316 American Realistic and Naturalistic Literature
ENG 318 American Modern and Postmodern Literature
ENG 330 Appalachian Literature
Choose *two* of the following……6
ENG 305 Renaissance and Early Seventeenth Century
ENG 309 Chaucer
ENG 386 Restoration and 18th Century Literature
ENG 390 British Romantic Literature
ENG 391 Victorian Literature
ENG 392 Modern British Literature
English Electives..... ..15*
*12 of the 15 hours must be 300-400 level

Hours in Major.....54

RHETORIC & WRITING MAJOR

REQUIRED COURSES
PHIL 210 Logic and Critical Thinking 3
LING 150 Intro to Language & Linguistics……..……..3
ENG 260 Intro to Creative Writing……...3
ENG 274 Professional Writing..... 3
ENG 275 Structure of English 3
ENG 396 History of the English Language……3
Choose *two* from the following: 6
ENG 323 Writing for Comics
ENG 360 Creative Writing- Poetry
ENG 361 Creative Writing- Fiction
ENG 362 Creative Writing- Nonfiction
ENG 400 Composition Theory..... 3
Choose *one* from the following…….3
ENG 450 Writing Tutor Practicum
ENG 486 English Internship
ENGLISH ELECTIVES..... 12
*At least nine must be upper-level hours

ELECTIVES TO TOTAL..... 120
*At least ten must be upper-level hours

ENGLISH: COMIC STUDIES MAJOR

REQUIRED COURSES
ENG 220 Principles of Graphic Narrative 3
ENG 221 History of Sequential Art & Literature 3
ENG 260 Introduction to Creative Writing……..3
ENG 323 Writing for Comics……3
Choose one of the following: 3
ENG 360 Creative Writing - Poetry
ENG 361 Creative Writing – Fiction
ENG 362 Creative Writing- Nonfiction
ENG 412 Topics in Graphic Literature.....6*
ENG 300-400 Level Electives…….9

INTERDISCIPLINARY REQUIREMENTS
ART 140 Art Appreciation……...3
Choose three……9
ART 104 Drawing I
ART 204 Drawing II
ART 110 2D Foundation Design
ART 190 Introduction to Computer Graphics
ART 230 Printmaking I
ART 244 Graphic Design History
COM 227 Visual Critical Literacy
DMD 101 Intro to Digital Media Design
DMD 104 Drawing and Design

* Students in this major must take ENG 412 at least twice under different topic headings.

ELECTIVES TO TOTAL..... 120
*at least 10 hours must be upper-level

ENGLISH PRE-LAW

REQUIRED GENERAL STUDIES

COM 203 Argumentation and Debate……..3
ECON 104 Survey of Economics……..3
PHIL 210 Logic and Critical Thinking……3
PHIL 321 Ethics……3
Choose one of the following:……..3
POLS 101 Basic Concepts of Politics & Government
POLS 201 National Government

ENGLISH CORE……..12

ENG 200 Literature Foundations……..3
ENG 315 Multicultural Studies in Literature……3
ENG 385 Advanced Composition……3
ENG 495 Senior Seminar……..3

ENGLISH REQUIREMENTS……..33

Choose *one* of the following……..3
ENG 204 British Literature Through the 18th Century
ENG 214 British Literature After the 18th Century
Choose *one* of the following……..3
ENG 205 American Literature Before the Civil War
ENG 215 American Literature After the Civil War
Choose *two* of the following……..6
ENG 274 Professional Writing
ENG 275 Structure of English
ENG 277 Basic Copyediting and Proofreading
Choose *one* of the following……..3
ENG 312 American Colonial and Revolutionary Literature
ENG 314 American Romantic Literature
ENG 316 American Realistic and Naturalistic Literature
ENG 318 American Modern and Postmodern Literature
Choose *one* of the following……..3
ENG 305 Renaissance and Early Seventeenth Century
ENG 309 Chaucer
ENG 386 Restoration and 18th Century Literature
ENG 390 British Romantic Literature
ENG 391 Victorian Literature
ENG 392 Modern British Literature
ENG upper-level electives……15

INTERDISCIPLINARY REQUIREMENTS

Choose *three* of the following……..9
COM 314 Persuasion
LING 150 Intro to Language and Linguistics
LING 315 Sociolinguistics
PHIL 400 Interdisciplinary Philosophy
POLS 450 Pre-Law Internship
*if taking LING 150 would need 3 additional upper-level elective hours

ELECTIVES TO TOTAL 120

*at least 15 hours must be upper-level

ENGLISH TEACHER EDUCATION

If Teacher Education degree candidates elect to specialize in English, they follow a course of study which the English faculty has determined will best help them to meet their responsibilities as English teachers. Each of the specific programs (5-Adult, 5-9) is designed to help students meet the following goals as teachers: (1) to understand the structure of language and the dynamics of communication; (2) to acquire a knowledge of language and composition that enables them to speak and write correctly and effectively; and (3) to recognize that literature provides vicarious pleasures and intellectual stimulation because it brings them into contact with the dreams, hopes, achievements, and failures of many cultures.

Students completing the English 5-Adult and English 5-9 teacher education programs are required to attain a minimum G.P.A. of 2.50 in the program with at least a "C" in each course in the program. (Program means the courses listed on the curriculum summary sheet filed with the State Department of Education with the exclusion of the listed Education Curriculum and Methods course).

BACHELOR OF ARTS IN EDUCATION: ENGLISH

I. GENERAL STUDIES 41-45

II. REQUIRED COURSES 51

ENG 200 Literature Foundations for English Majors 3
ENG 204 British Literature Through the 18th Century 3
ENG 214 British Literature After the 18th Century 3
ENG 205 American Literature Before the Civil War 3
ENG 215 American Literature After the Civil War 3
ENG 275 Structure of English 3
ENG 311 Shakespeare 3
ENG 315 Multicultural Studies in Literature 3
ENG 320 Young Adult Literature 3
ENG 360 Creative Writing – Poetry 3
OR
ENG 361 Creative Writing –Fiction 3
ENG 385 Advanced Composition 3
ENG 395 Literary Criticism 3
ENG 400 Composition Theory 3
ENG 490 World Literature I 3
OR
ENG 492 World Literature II 3
LING 150 Intro to Language & Linguistics……3
Literature Electives 6
(Any two 300- or 400-level literature courses)

III. PROFESSIONAL EDUCATION COMPONENT 41

Students should consult the Professional Education component section of the University catalog under the College of Education.

IV. ELECTIVES AND/OR OPTIONAL SECOND SPECIALIZATION TO TOTAL 128

ENGLISH 5-9 CERTIFICATION

I. GENERAL STUDIES 41-45

II. REQUIRED COURSES.....30

ENG 200 Literature Foundations for English Majors.....3
ENG 204 British Literature Through the 18th Century 3
OR
ENG 214 British Literature After the 18th Century
ENG 205 American Literature Before the Civil War 3
OR
ENG 215 American Literature After the Civil War
ENG 275 Structure of English 3
ENG 320 Young Adult Literature.....3
ENG 360 Creative Writing – Poetry 3
OR
ENG 361 Creative Writing – Fiction
OR
ENG 362 Creative Writing – Nonfiction
ENG 385 Advanced Composition 3
ENG 400 Composition Theory 3
ENG 490 World Literature I.....3
OR
ENG 492 World Literature II
Literature Elective (Any upper-level literature course) 3

III. PROFESSIONAL EDUCATION COMPONENT 44

All students wishing to complete a program leading to certification/licensure for teaching must be formally admitted to the Professional Education Program.

For information about Professional Education, please see that section of the Catalog under the College of Education.

IV. FIRST SPECIALIZATION AND ELECTIVES TO TOTAL 128

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.

BACHELOR OF ARTS IN EDUCATION:

SOCIAL STUDIES

Social Studies 5-Adult students must achieve a 2.5 G.P.A. in the social studies program and must earn a grade of "C" or better in each content course taken.

I. GENERAL STUDIES 41-45*
*Must take MATH 102 for General Studies Math Requirement

II. REQUIRED COURSES.....51

ECON 103 Principles of Microeconomics.....3
ECON 104 Survey of Economics 3
ECON 203 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 1876.....3
HIST 211 United States History Since 1876.....3
HIST 302 West Virginia and the Appalachian Region 3
POLS 101 Basic Concepts in Politics and Govern. 3
POLS 201 American Government 3
POLS 202 American State and Local Government 3
SOC 150 Basic Concepts of Sociology 3

III. HISTORY ELECTIVES.....
.....9

Any three upper level history courses provided that at least must be American and another, non-American.

IV. SOCIAL AND BEHAVIORAL SCIENCE ELECTIVES 12

Any four upper level courses (3 credit hours each) in Geography, History, Political Science, Psychology or Sociology, no more than one from a single discipline.

V. PROFESSIONAL EDUCATION COMPONENT, WHICH INCLUDES EDUC 356

For information about Professional Education, please see that section of the Catalog under the College of Education.

VI. ELECTIVES TO TOTAL 128

SOCIAL STUDIES 5-9 CERTIFICATION

Social Studies 5-9 students must achieve a 2.5 G.P.A. in the social studies program and must earn a grade of "C" or better in each content course taken.

I. GENERAL STUDIES 41-45

II. REQUIRED COURSES.....30

ECON 103 Principles of Microeconomics.....3

ECON 104 Survey of Economics 3
GEO 205 Introduction to Geography 3
GEO 206 World Regional Geography 3
HIST 103 History of Civilization I 3
HIST 104 History of Civilization II 3
HIST 210 United States History to 1876 3
HIST 211 United States History Since 1876 3
HIST 302 West Virginia and the Appalachian Region 3
POLS 201 American Government 3

III. PROFESSIONAL EDUCATION COMPONENT WHICH INCLUDES EDUC 293 AND EDUC 356

Please see Secondary Education Polices on page 79.

IV. SECOND FIELD AND ELECTIVES TO TOTAL 128

BACHELOR OF ARTS OR BACHELOR OF SCIENCE IN SOCIAL SCIENCE

I. GENERAL STUDIES .....51-53 or 46-48*

Students must complete the general studies requirements for the degree selected (either BA or BS).

*Must take MATH 102 for General Studies Math Requirement

II. REQUIRED COURSES..... 24

GEO 205 Introduction to Geography 3
GEO 206 World Regional Geography 3
HIST 104 History of Civilization II 3
HIST 211 United States History Since 1876 3
POLS 101 Basic Concepts in Politics and Gov. 3
POLS 201 American Government 3
SOC 150 Basic Concepts of Sociology……..3
SS 102 Portfolio 1
SS 480 Social Science Capstone 2

III. SOCIAL SCIENCE MAJORS

(Students must choose a major from the following):

A. GEOGRAPHY AND PLANNING..... 27

GEO 303, 306, 310, 360, 400, 481, 482 and six (6) hours of any upper-level Geography courses.

B. GEOGRAPHY PRE-LAW……...33
REQUIRED GENERAL STUDIES

COM 203 Argumentation and Debate……..3
ECON 104 Survey of Economics……..3
PHIL 210 Logic and Critical Thinking……3
PHIL 321 Ethics……3
Choose <u>one</u> of the following:……..3
POLS 101 Basic Concepts of Politics & Government
POLS 201 National Government

REQUIRED COURSES GEO 303, 306, 310, 360, 400, 481, three credit hours GEO Electives, COM 203, POLS 450, and two of the following: ENG 385, COM 314, PHIL 400, or SS 251.

C. HISTORY 27

HIST 103, 210, six (6) upper-level electives in U.S. History, six (6) upper-level electives in European History, six (6) upper-level electives in Non-Western/Global History. three (3) credits any upper-level elective course in history.

D. HISTORY PRE-LAW……33
REQUIRED GENERAL STUDIES

COM 203 Argumentation and Debate……..3
ECON 104 Survey of Economics……..3
PHIL 210 Logic and Critical Thinking……3
PHIL 321 Ethics……3
Choose <u>one</u> of the following:……..3
POLS 101 Basic Concepts of Politics & Government
POLS 201 National Government

REQUIRED COURSES HIST 103, 210, six (6) upper-level electives in U.S. History, six (6) upper-level electives in European History, six (6) upper-electives in Non-Western/Global History, six (6) upper-level electives Non-Western/Global History, COM 203, and two of the following: ENG 385, COM 314, PHIL 400, POLS 450, or SS 251.

E. POLITICAL SCIENCE……..27

POLS 202, 300, 303, 304, and 15 hours of POLS Electives, at least 12 of which must be upper-level.

F. SOCIOLOGY……..27

SOC 350, SS 250, 251, and 21 hours of SOC Electives, at least 18 of which must be upper-level.

A second major or a minor field may be selected but is not required. Students selecting a minor field may not choose the same discipline as their major.

IV. ELECTIVES TO TOTAL 120

HUMANITIES MINORS

APPALACHIAN STUDIES MINOR

REQUIRED COURSES..... 18

ENG 330 Appalachian Literature 3
HIST 302 West Virginia and the Appalachian Region 3
GEO 205 Introduction to Geography 3
GEO 307 Environmental Issues in Appalachia 3
SWK 316 Social Welfare in Appalachia 3
Upper-level course in the social sciences or humanities 3

CREATIVE WRITING MINOR

ENG 323 Writing for Comics 3
ENG 360 Creative Writing – Poetry 3
ENG 361 Creative Writing – Fiction 3
ENG 362 Creative Writing – Nonfiction 3
THE 360 Playwriting: The One-Act Play 3
Total 15

ENGLISH LITERATURE MINOR

ENG 200 Literature Foundations for English Majors 3
English Literature Electives 12*
*Any English Literature Class, except 202;
*At least 6 hrs must be from 300-400 level
Total 15

FRENCH Minor

FREN 201 Intermediate French I 3
Electives in French above FREN 201 12
Total 15

GEOGRAPHY MINOR

REQUIRED COURSES 15
GEO 205 Introduction to Geography 3
GEO 206 World Regional Geography 3
GEO 306 Physical Geography 3
GEO 400 Cultural Geography 3
Electives in Geography 3

ENGLISH: COMIC STUDIES MINOR

ENG 220 Principles of English: Comic Studies 3
ENG 221 History of Sequential Art & Literature 3
ENG 323 Writing for Comics 3
ENG 412 Topics in Graphic Literature 3*
ENG 412 Topics in Graphic Literature 3*
*Students must take ENG 412 twice under different topic headings.
Total 15

HISTORY MINOR

REQUIRED COURSES 15
Two 100-200 level HIST courses 6
Three 300-400 level HIST courses 9

INTERNATIONAL STUDIES MINOR

REQUIRED COURSES 6
GEO 206 World Regional Geography 3
POLS 303 International Relations 3

RESTRICTED ELECTIVES 15
GBUS 325 International Business 3
ECON 311 Comparative Economics 3
ECON 409 International Economics 3
ENG 490 World Literature 3
HIST 319 Twentieth Century Europe 3
HIST 341 Twentieth Century Russia 3
HIST 371 South and Southeast Asian History 3
HIST 373 East Asian History 3
HIST 385 History of Africa 3
POLS 324 Politics of Development 3
POLS 426 Twentieth Century U.S. Foreign Policy 3
REL 250 Religions of the World 3
SS 478 Special Topics 3

MEDIEVAL STUDIES MINOR

REQUIRED COURSES 12
ENG 204 Brit Lit Through 18th Century 3
ENG 309 Chaucer 3
HIST 103 Hist Of Civilization I 3
HIST 309 Medieval History 325-1520 3

RESTRICTED ELECTIVES 3
MUS 330 History of Music I
HIST 312 Viking History 3
HIST 331 History of the British Isles to 1688 3
HIST 451 Ancient and Medieval Gender 3
LING 271 Basic Latin 3
OR
Upper-level courses in art, history, and English by permission.

PHILOSOPHY AND RELIGION STUDIES MINOR

REQUIRED COURSES:
PHIL 201 Introduction to Philosophy 3
REL 250 Religions of the World 3
Philosophy Elective* 3
Religion Elective* 3
Philosophy or Religion Electives 3
*At least two elective hours must be 300-400 level.

Total 15

PHILOSOPHY MINOR

PHIL 201 Introduction to Philosophy 3
Electives in Philosophy 12
*At least six hours must be 300-400 level.
Total 15

POLITICAL SCIENCE MINOR

REQUIRED COURSES 15
POLS 101 Basic Concepts in Politics and Government 3

POLS Electives* ……12

***At least six hours must be 300-400 level**

PRE-LAW MINOR

REQUIRED COURSES..... …….18
ENG 274 Professional Writing……..……..3
PHIL 210 Logic and Critical Thinking…….…….……..3
Choose One:
PHIL 321 Ethics…….…….…….3
PHIL 400 Interdisciplinary Philosophy…….…….……...3
Choose One:
CJ 416 Research Methods in Criminal Justice……..…....3
ENG 385 Advanced Composition……..…3
HIST 300 Historiography……....3
POLS 300 Scope and Methods of Political Science…….…...3
SS 450 Research Design……..…….……3
Choose Two with Different Subject Headings:
CJ 303 Criminal Law…….……...3
CJ 452 Criminal Procedure…….…3
ENG 315 Women and Minority Writers……..…3
ENG 492 World Literature II…….. .3
GEO 360 Land Use and Community Planning…….... 3
GEO 481 Seminar in Urban and Rural Geography…… 3
HIST 441 American Constitutional History…… .3
LING 315 Sociolinguistics…….. 3
POLS 441 American Constitutional Law……..…. 3
POLS 442 Liberty and Law…… 3
POLS 450 Pre-Law Internship…….3
Total……18

RELIGION MINOR

REQUIRED COURSES..... 15
REL 250 Religions of the World 3
REL Electives*……...12
***At least six hours must be 300-400 level**

SOCIOLOGY MINOR

REQUIRED COURSES……..15
SOC 150 Basic Concepts of Sociology……...3
SOC Electives*……..12
***At least six hours must be 300-400 level**

SPANISH MINOR

SPAN 201 Intermediate Spanish I 3
SPAN 202 Intermediate Spanish II 3
Electives in Spanish above SPAN 202 9
Total 15

TEACHING ENGLISH AS A SECOND LANGUAGE (TESL) MINOR

ENG 275 Structure of English 3
LING 150 Intro to Language & Linguistics..... 3
LING 285 Intro to Second Language Acquisition 3
LING 315 Sociolinguistics..... 3
ENG 410 Methods of Teaching Foreign Language……..3
Total..... 15

WRITING MINOR

ENG 274 Professional Writing..... 3
ENG 275 Structure of English 3
ENG 385 Advanced Composition..... 3
ENG 400 Composition Theory..... 3
Choose <u>one</u> of the following: 3
ENG 360 Creative Writing – Poetry
ENG 361 Creative Writing – Fiction
ENG 362 Creative Writing – Nonfiction
ENG 323 Writing for Comics
Total..... 15

• **JUDITH A HERNDON LEGISLATIVE FELLOWS PROGRAM** is an internship sponsored by the West Virginia Legislature for full-time undergraduate students of all majors and disciplines. The Program provides an opportunity for a limited number of students to participate in a 16-week assignment with the Legislature, beginning in January. It is offered for K credit.

• **FRASURE-SINGLETON LEGISLATIVE INTERNSHIP** is sponsored by the West Virginia Legislature; it provides students with the opportunity to observe the lawmaking process for one week during the legislative session. It is offered for K credit.

• **PRE-LAW INTERNSHIP (POLS 450).** Placement of pre-law students in the law office; provides interns with an opportunity to do legal research, synthesize theory with practice. It is offered for six hours of K credit.

BACHELOR OF SCIENCE:
CRIMINAL JUSTICE

The hallmark of the Criminal Justice Program is its flexibility. Building on a core of courses in history, theory, current events, criminal justice systems, law, and treatment intervention, the student may, with advisor approval, elect course work specifically directed toward his/her career goals and plans. The program provides, through its electives, specialties in law enforcement, corrections, probation, parole, and private security.

I. GENERAL STUDIES 46-48*
***Students must take MATH 102

II. REQUIRED COURSES.....42
CJ 152 Introduction to Criminal Justice 3
CJ 236 Criminology 3
CJ 238 Juvenile Delinquency and Justice 3
CJ 281 Contemporary Corrections 3
CJ 302 Ethics in Criminal Justice 3
CJ 303 Criminal Law 3
CJ 305 Contemporary Law Enforcement 3

CJ 320 Victims of Crime 3
CJ 354 Drugs and Society 3
CJ 452 Criminal Procedure 3
CJ 483 Field Placement in Crim. Justice 6
CJ 485 Senior Seminar in Criminal Justice 3
CJ 416 Research Methods in Criminal Justice 3

III. RESTRICTED ELECTIVES 12
Courses must be approved by advisor and should be 300 or 400 level.

IV. ELECTIVES to total ..... 120 Sem. Hrs.

CRIMINAL JUSTICE MINOR

REQUIRED COURSES 15
CJ 152 Introduction to Criminal Justice 3
CJ 236 Criminology I: History and Causes of Criminal Behavior 3
9 hours in CJ electives, 6 of which must be upper-level……..9

BACHELOR OF SOCIAL WORK

Dr. Sylvia Hawranick Senften, Program Director

The Bachelor of Social Work Degree Program is designed to produce graduates who are well prepared to enter the work force as generalist social work practitioners.

Students must maintain at least a 2.5 G.P.A. in all required work courses.

Students must maintain at least a 2.0 overall G.P.A..

Students must receive a letter grade of "C" or better in SWK 200 and SWK 201.

The admission and retention process for the Social Work program consists of three stages:

1) **Pre-Admission:** The first part of the social work education admission and retention process takes place when the prospective student applies for admission to WLU and indicates that he/she is interested in pursuing a social work major or when the student changes his/her major to social work from another major.

2) **Formal Admission into the WLU Social Work Program:** Students who have completed the requirements for admission using the application form found in the WLU Social Work Program Manual, which is posted on Sakai. Students may also obtain the Program Manual from the Social Work Program Director. The criteria for admission are listed in the annual Program Manual. Students who are not formally admitted to the Social Work Program **MAY NOT** continue taking 300/400 level Social Work courses. Students **MAY** reapply to the major or request a review and petition for provisional admission.

3) **Permission to begin the Field Placement:** Students must apply to enter the Field Placement. Regular evaluation by the Field Education Coordinator will occur during the entire placement. Students may not repeat the Field Placement if they are removed from the Field Placement Agency at the request of the agency or by the Social Work program for violations of the NASW Code of Ethics, or for Field Placement Agency and/or Social Work Program policies.

I. GENERAL STUDIES 44-48*
Students will complete general studies courses in accordance with requirements for the Bachelor of Science degree.
*Must take MATH 160, FIN 131, and PSYC 101 for General Studies Requirement

II. REQUIRED COURSES 67
FIN 131 Financial Literacy 3
PSYC 101 Intro to Psychology 3
SOC 150 Basic Concepts of Sociology 3
SWK 200 Intro to Social Problems 3
SWK 201 Ethnicity, Diversity and Cultural Awareness 3
MATH 160 Intro to Statistics 3
SWK 290 Social Work Competencies 1
SWK 300 Social Welfare Policies and Services 3
SWK 304 Professional Ethics 3
SWK 307 Social Work Practice Fields 3
SWK 310 Social Work Research Methods 3
SWK 383 Advocacy & Social Justice 3
SWK 400 Social Work Practice I 3
SWK 401 Social work Practice II 3
SWK 402 Social Work Practice III 3
SWK 416 Human Behavior and the Social Environment 3
SWK 470 Professional Preparation 1
SWK 480 Social Work Placement 11
SWK 484 Social Work Field Placement Seminar 3
HIST 302 West Virginia and the Appalachian Region 3
EDUC 201 Human Development……3

III. RESTRICTED ELECTIVES 6
Must be upper level courses approved by the advisor.

Electives to TOTAL 120

SOCIAL WORK MINOR

REQUIRED COURSES 15
SWK 200 Introduction to Social Problems 3
SWK 201 Ethnicity, Diversity and Cultural Awareness 3
SWK 300 Social Welfare Policies & Services 3
SWK 304 Professional Ethics 3
SWK 400 Social Work Practice I 3

College of Sciences

Bachelor of Science in Biology

Majors:

WLU/WVU Dental Early Admission Program (DEAP)
Ecology, Evolution, and Organismal Biology
Environmental Stewardship and Education
General Biology
Human Biology
Microbiology
Pre-Medicine
Pre-Professional
Pre-Veterinary
Zoo Science and Applied Conservation
3+2 Human Biology/MSPAS
3+2 BS/MS Biology

Bachelor of Science in Chemistry
Bachelor of Arts in Education in Biology
Bachelor of Arts in Education in Chemistry
Bachelor of Arts in Education in General Science
***** *Certification: General Science 5-9*

Associate in Science in Dental Hygiene
Bachelor of Science in Dental Hygiene

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

Bachelor of Science in Medical Laboratory Science
Bachelor of Science in Nursing
Bachelor of Science in Psychology
Bachelor of Science in Speech Pathology-Audiology

Pre-Professional Preparation For:

Dental School
Engineering
Graduate School
Medical / Osteopathic School
Optometry School
Pharmacy School
Physical Therapy
Physician Assistant
Speech Pathology / Audiology
Veterinary Science School

Minors: *Biology, Chemistry, Gerontology, Mathematics, Psychology*

Master of Science in Physician Assistant Studies
Master of Arts in Biology
Master of Science in Biology
** Must be added to a 5-Adult Teacher Education or Elementary Education degree. Not a stand-alone certification.*

COLLEGE OF SCIENCES

Karen Kettler.Ed.D., Interim Dean

The College of Sciences is committed to providing a high quality undergraduate educational experience to those students seeking degrees offered within its two departments.

A Bachelor of Science degree can be earned in Biology, Chemistry, Dental Hygiene, Medical Laboratory Science, Nursing, and Speech Pathology and Audiology. In addition to general classes, which are open to all students, the College of Sciences offers teacher education programs that may be designated in Biology, Chemistry, General Science, and Mathematics. A student may also pursue the Associate in Science in Dental Hygiene. Students pursuing one of the teaching specializations must consult an advisor in the specialization and in the Department of Professional Education. To obtain information related to a specific program, interested students should contact the program director to schedule an appointment.

DEPARTMENT OF NATURAL SCIENCES AND MATHEMATICS

Dr. Douglas Swartz, Interim Chair (Biology)
Dr. Joseph Horzempa, Program Director (MA/MS Bio)

Two Strikes Rule:

Upon earning a second unsatisfactory grade or withdrawal (D, F, W, WP, WF, FI) in a Department of Natural Sciences and Mathematics course (BIO 124/125, any 200 level or above Biology course, any 110 level or above Chemistry course, MATH 106, 107 or any 200 level or above Mathematics course, and PHYS 101/110 and PHYS 102/111), the student will not be allowed to repeat that course. After a student earns an unsatisfactory grade twice in the same course at WLU, they may not transfer an equivalent course passed satisfactorily from another institution as a required course. Auditing a Natural Science and Mathematics course will count as an attempt. A student has the right to formally appeal decision involving such matters to the Natural Sciences and Mathematics Appeals Committee.

Two Strikes Appeal Procedure:

A student who wishes to appeal expulsion from a course within the Department of Natural Sciences and Mathematics due to the Two Strikes Rule has to initiate the appeal process no later than the 5th class day of the following semester. A formal appeal letter must be addressed to the faculty member in charge of the program (the Chair or an Assistant Chair). The letter must contain all relevant details and clearly articulate the facts that support the challenge. Possible evidence of the extenuating circumstances that contributed to course expulsion may include information about the student's academic load, extracurricular activities, medical documents, military deployment documents, etc.

Within five class days of receiving the appropriately written appeal letter, an Appeal Committee will be formed. The appointed committee members will include three faculty of the department who do not teach the course considered in this appeal process. Two students from outside the department will also be appointed to serve on the committee, if the nature of the case allows it.

The Appeal Committee will meet to hear the student appeal within five days of the formation of the Appeal Committee. The student appealing the expulsion will be required to attend the Appeal Committee meeting during which the student will have the opportunity to present artifacts as evidence of extenuating circumstances precipitating the expulsion from the course in question. The student may have an advocate at the Appeal Committee meeting. The advocate must be a WLU faculty member, staff member, or student, who may confer but may not speak for the student.

Within five days of concluding the process, the committee will provide the student, Chair or Assistant Chair, and Dean of the College of Sciences with an electronic or written copy of the appeal decision.

The decision of the committee is final. If the appeal is not supported, the Two Strikes Rule will prevent the student from retaking the course for the next four calendar years. If the appeal is granted, the student may re-enroll in the course when the course is offered again.

BIOLOGY

The Bachelor of Science degree in Biology offers several different majors. A student may choose from the following majors:

WLU/WVU Dental Early Admission Program (DEAP)
Ecology, Evolution, and Organismal Biology
General Biology
Microbiology
Pre-Medicine
Pre-Professional
Pre-Veterinary
Environmental Stewardship and Education
Human Biology
Zoo Science and Applied Conservation
3+2 Human Biology/MSPAS
3+2 BS/MS Biology

Students may also choose the B.A. degree in Biology to teach at the secondary level (B.A. in Education degree in Biology 9-Adult). All biology majors are, except where indicated, required to take core courses in Biology (12 semester hours), Chemistry (8 semester hours), Physics (8 semester hours) and Mathematics (6 semester hours).

BIOLOGY CORE COURSES:

* BIO 124 Biological Principles 3
* BIO 125 Biological Principles Lab 1
** BIO 200 Biology of Plants 4
BIO 202 Biology of Animals 3
BIO 203 Biology of Animals Lab 1
Total core hours 12

** These courses also satisfy General Studies requirements in Natural Sciences and Mathematics.*
*** Students who are Biology minors may opt to substitute any other biology course with laboratory (except Biology 105 and Biology 106) for Biology of Plants (Botany) lecture and laboratory. Please note that this is only for the Biology Minor. Students must receive at least a "C" in each course in the minor.*

CHEMISTRY CORE COURSES:
* 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:
* 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:
* MATH 145 Pre-Calculus 4
* MATH 160 Intro. to Statistics 3
OR
BIO 221 Biological Statistics and Experimental Design 3

ZOO SCIENCE AND APPLIED CONSERVATION MAJOR

Courses will be held primarily in the afternoons to encourage greater zoo experiences for students during the morning hours when activity levels are greatest at the zoo.

Core (26 hours):
BIO 124/125 Biological Principles/Lab 3/1
BIO 200 Biology of Plants and Lab 4
BIO 202/203 Biology of Animals/ Lab 3/1
BIO 207 Fundamentals of Ecology & Biodiversity 3
BIO 221 Bio Statistics & Experimental Design 3
CHEM 100/101 Foundations of Chemistry/Lab 3/1
MATH 145 Pre-Calculus 4

Required Courses (35 hours):
BIO 180 Principles of Zoo Science 3
BIO 181 Zoo Science Training 0
BIO 280 Zoo Education 3
BIO 380 Zoo Ornithology & Lab 4
BIO 382 Zoo Herpetology & Lab 4
BIO 384 Zoo Mammalogy & Lab 4
BIO 404/405 Ecology and Ecology Lab 4
BIO 406 Field Biology & Lab 4
BIO 440 Conservation Biology 4
BIO 450 Zoo Animal Behavior Management 4
BIO 480 Biology Capstone 1

Additional Requirements:
A cumulative GPA of 3.0 is required for all math and science courses, with a grade no lower than C in these courses.

A ten-week summer internship between the sophomore and junior year of study at an AZA-accredited zoo is required. Students must volunteer in Crayfish, Hellbender, or STEM labs for a minimum of 200 hours per year during the freshman and sophomore years of study as a pre-requisite for experience.

During the junior and senior year of study, students must complete two semesters (spring and/or fall) interning at approved animal management sites; suggested semester schedules: 9-12 credit hours of coursework plus 3 credit hours of internship credit for the Zoo experience.

Any 300-400 level general electives to total **120**

PRE-VETERINARY MAJOR

Core (38 hours):
BIO 124/125 Biological Principles/Lab 3/1
BIO 200 Biology of Plants and Lab 4
BIO 202/203 Biology of Animals/ Lab 3/1
BIO 208 Foundation of Cell & Molecular Biology 3
CHEM 110/111 General Chemistry I/Lab 3/1
CHEM 112/113 General Chemistry II/Lab 3/1
PHYS 101 /110 Elementary Physics I/Lab 3/1
PHYS 102/111 Elementary Physics II/Lab 3/1
MATH 145 Pre-Calculus 4
BIO 221 Bio Statistics & Experimental Design 3

Required Courses (40 hours):
BIO 325/326 General Microbiology/Lab 3/1
BIO 343 Vertebrate Zoology & Lab 4
BIO 356 Parasitology & Lab 4
BIO 401 Genetics & Lab 4
BIO 426 Comparative Animal Physiology & Lab 4
BIO 456 Animal Nutrition 4
BIO 458 Reproductive Physiology & Lab 4
BIO 480 Biology Capstone 1
CHEM 340/341 Organic Chemistry/Lab 3/1
CHEM 342/343 Organic Chemistry II/Lab 3/1
CHEM 480 Biochemistry 3

Biology Electives: 8
Choose From:
BIO 207 Fundamentals in Ecology & Biodiversity
BIO 300-400 any
Suggested courses: BIO 317 Immunology, BIO 335 Anthropod Diversity, BIO 346 Mycology, BIO 404/405 Ecology & lab, BIO 408 Herpetology, BIO 432 Histology, BIO 440 Conservation Biology, BIO 472 Cell Biology, BIO 479 Internship

General Electives:
Any 300-400 level general electives to total 120

ZOO SCIENCES TRACK (14 Hours)

BIO 426 Comparative Animal Physiology & Lab……..……4
BIO 452 Zoo Animal Medicine……..4
BIO 454 Zoo Internship……..3 x 2= 6

APPLIED CONSERVATION TRACK (13 Hours)

BIO 386 Applied Conservation…….4
BIO 471 Conservation Practicum…….3 x 2 =6

BIOLOGY MINOR

BIOLOGY CORE: 12
Restricted Electives 12
To be selected from 300 or 400 level biology courses.

BACHELOR OF SCIENCE DEGREE IN BIOLOGY
GENERAL BIOLOGY MAJOR

The students completing the B.S. degree in Biology in the General Biology major will be required to attain a minimum G.P.A. of 2.0 overall in all math and science courses in the program, with at least a "C" in each course in the major.

BIOLOGY CORE 12
ADDITIONAL BIOLOGY COURSES:
BIO 207 Fundamentals of Ecology & Biodiversity……3
OR
BIO 208 Foundations of Cell & Molecular Biology……3
BIO 302/303 Human Anatomy and
Physiology I & Lab 3/1
OR
BIO 426 Comp. Animal Phys. 4
BIO 325/326 General Microbiology 3/1
BIO 401 Genetics 4
BIO 404/405 General Ecology& Lab 3/1
BIO 460/461 Molecular Biology& Lab 3/1
BIO 480 Biology Capstone Course 1

CHEMISTRY CORE 8
ADDITIONAL CHEMISTRY COURSES:
CHEM 340/341 Org. Chem. I 4
CHEM 342/343 Org. Chem. II 4
CHEM 480 Biochemistry I 3

PHYSICS CORE 8

MATHEMATICS CORE (cannot take MATH 160)..... 7

BIOLOGY ELECTIVES 9*
***BIO 207 Fund Ecology/Biodiversity……3**
OR
BIO 208 Found Cell/Molecular Biology..……3

STUDENTS MUST TAKE 300-400 LEVEL
GENERAL ELECTIVES TO TOTAL 120

BACHELOR OF SCIENCE DEGREE IN BIOLOGY
PRE-PROFESSIONAL MAJOR

The students completing the B.S. degree in Biology in the Pre-Professional Major will be required to attain a minimum G.P.A. of 2.5 overall in all math and science courses in the major with at least a "C" in each course in the program. Pre-professional major includes pre-medical, pre-dental, pre-veterinary, pre-pharmacy, and pre-optometry. Successful completion of the pre-professional major is helpful for admission into professional programs, such as medicine, dentistry, etc., but it does not guarantee a place in any professional school.

BIOLOGY CORE 12

ADDITONAL BIOLOGY COURSES:
BIO 207 Fundamentals Ecology/Biodiversity ……..3
OR
BIO 208 Foundations Cell/Molecular Bio ……3
BIO 302/303 Human Anatomy and
Physiology I & Lab 3/1
OR
BIO 426 Comp. Animal Phys. 4
BIO 325/326 General Microbiology/Lab 3/1
BIO 401 Genetics 4
BIO 404/405 General Ecology & Lab 3/1
OR
BIO 472 Cell Biology 3
BIO 460/461 Molecular Biology& Lab 3/1
BIO 479 Research/Internship 1-3
BIO 480 Biology Capstone Course 1
CHEMISTRY CORE: 8

ADDITIONAL CHEMISTRY COURSES:
CHEM 340/341 Organic Chemistry I 4
CHEM 342/343 Organic Chemistry II 4
CHEM 480 Biochemistry I 3

PHYSICS CORE 8

MATHEMATICS CORE (cannot take MATH 160) 7

BIOLOGY ELECTIVES 9*
***Any 300-400 level Biology courses**
BIO 207 Funds Ecology/Biodiversity
OR
BIO 208 Found Cell/Molec Biology
(cannot double count with above choice)

STUDENTS MUST TAKE 300-400 level general electives to total 120

BACHELOR OF SCIENCE DEGREE IN BIOLOGY MICROBIOLOGY MAJOR

The students completing the B.S. degree in Biology in the Microbiology major will be required to earn a minimum G.P.A. of 2.5 overall in all math and science courses in the major with at least a "C" in each course in the program.

BIOLOGY CORE 12

ADDITIONAL BIOLOGY COURSES:
BIO 208 Found Cell & Molecular biology ……..3
BIO 325/326 General Microbiology/Lab 3/1
BIO 460/461 Molecular Biology & Lab 3/1
BIO 480 Biology Capstone Course 1
Choose 15 hours from the following:
BIO 220 Scientific Method. 1
BIO 302/303 Human Anatomy & Phys I & Lab..... 3/1
BIO 306 Biotechnology I..... 3
BIO 317 Prin.of Immunology 3
BIO 321 Biotechnology II..... 3
BIO 328/334 Human Anat & Physiology II 3/1
BIO 329 Applied Microbiology 4
BIO 338 Medicinal Botany 3
BIO 356 Parasitology 4
BIO 401 Genetics 4
BIO 421 Epidemiology of Infectious Diseases 3
BIO 432 Histology 4
BIO 444 Fluorescence Microscopy 3
BIO 462 Microbial Pathogenesis 3
BIO 465 Virology 3
BIO 472 Cell Biology 3
BIO 479 Research/Internship 1-3

CHEMISTRY CORE 8
ADDITIONAL CHEMISTRY COURSES:
CHEM 340/341 Org. Chem. I 4
CHEM 342/343 Org. Chem. II 4
CHEM 480 Biochemistry I 3

PHYSICS CORE 8

MATHEMATICS CORE (cannot take MATH 160) 7

BIOLOGY ELECTIVES 9*
Choose from
BIO 207 Funds Eco & Biodiversity to Biology
*Any 300-400 level biology courses

STUDENTS MUST TAKE 300-400 LEVEL GENERAL ELECTIVES TO TOTAL 120

BACHELOR OF SCIENCE DEGREE IN BIOLOGY ECOLOGY, EVOLUTION, AND ORGANISMAL BIOLOGY (EEOB) MAJOR

The students completing the B.S. degree in Biology in the EEOB Major will be required to earn a minimum G.P.A. of 2.0 overall in all Math and Science courses in the major, with at least a "C" in each course in the program.

BIOLOGY CORE 12

ADDITIONAL BIOLOGY COURSES:
BIO 207 Fundamentals of Ecology & Biodiversity……3
BIO 221 Biological Statistics and Experimental Design..... 3
BIO 325/326 General Microbiology/Lab..... 3/1
BIO 343 Vertebrate Zoology 4
BIO 401 Genetics..... 4
BIO 404/405 Ecology/Lab 3/1
BIO 426 Comp. Animal Phys. 4
BIO 428 Evolutionary Biology 3
BIO 440 Conservation Biology..... 4
BIO 479 Internship 1-3
BIO 480 Biology Capstone..... 1

Choose one of the following systematics courses:
BIO 331 Plant Taxonomy..... 4
BIO 335 Arthropod Diversity 4
BIO 346 Mycology..... 3
BIO 356 Parasitology 4
BIO 408 Herpetology 4
BIO 442 Freshwater Invertebrates..... 4

Choose at least one class from the following Field/Lab Courses:
BIO 225 Terrestrial Ecological Habitats and Biodiversity 3
BIO 329 Applied Micro 4
BIO 406 Field Biology 4
BIO 478 Special Topics 1-4

CHEMISTRY CORE 8

PHYSICS CORE..... 8

MATH 145 Pre-Calculus..... 4

BIOLOGY ELECTIVES 8*
*BIO 208 Foundations of Cell & Molecular Biology and/or any 300-400 level BIO courses.

STUDENTS MUST TAKE 300-400 LEVEL GENERAL ELECTIVES TO TOTAL 120

BACHELOR OF SCIENCE DEGREE IN BIOLOGY ENVIRONMENTAL STEWARDSHIP AND EDUCATION (ESE) MAJOR

The students completing the B.S. degree in Biology in the ESE Major will be required to earn a minimum G.P.A. of 2.5 overall in all Math and Science courses in the major, with at least a "C" in each course in the program.

SCIENCE CORE COURSES 52
BIO 124/125 Biological Principles/Lab 3/1
BIO 200 Botany and Lab 4
BIO 202/203 Biology of Animals/Lab 3/1
BIO 207 Fundamentals of Ecology & Biodiversity……..3
BIO 224 Field Natural History 3
BIO 225 Terrestrial Ecological Habitats and Biodiversity 3
BIO 235 Environmental Pol. and Issues 3
BIO 404/405 Ecology/Lab 3/1
BIO 406 Field Biology 4
BIO 440 Conservation Biology 4
BIO 479 Internship 6
300-400 level BIO courses 5
MATH 140 College Algebra 4
CHEM 100/101 Fund. of Chemistry 3/1

COLLEGE OF LIBERAL ARTS COURSES
Students must choose a Minor in Geography or Criminal Justice.

REQUIRED COURSES FOR EDUCATION CONCENTRATION (15 hrs):
EDUC 201 Human Development 3
CEP 411 Nonformal Educ. Models 3
CEP 422 Outdoor Learning Spaces 3
CEP 433 Program Design and Implementation. 3
CEP 443 Fundraising and Grant Writing 3

REQUIRED COURSES FOR STEWARDSHIP CONCENTRATION (19 hrs):
CHEM 110/111 Gen. Chem. I/Lab 3/1
CHEM 112/113 Gen. Chem. II/Lab 3/1
BIO 221 Biological Statistics and Experimental Design 3
BIO 480 Capstone 1
300/400 level BIO, GEO, or CHEM 7

General electives to total 120

BACHELOR OF SCIENCE DEGREE IN BIOLOGY HUMAN BIOLOGY MAJOR

This major was designed for students interested in pre-occupational therapy and public health/industrial hygiene. The major may be used by students interested in medical physician assistant, optometry, physical therapy, dental, pharmacy, or other pre-professional options , but the student must determine the appropriate electives to meet the requirements of these other programs.

Students must earn a cumulative 3.0 g.p.a. in all math, psychology, and science courses, with at least a C in each course within the major.

CORE 34
BIO 124/125 Biological Principles/Lab 3/1
BIO 208 Found. of Cell & Molec Bio……..3
BIO 202/203 Biology of Animals/Lab 3/1
CHEM 110/111 Gen. Chem. I/Lab 3/1
CHEM 112/113 Gen. Chem. II/Lab 3/1
PHYS 101/110 Elem. Physics I/Lab 3/1
PHYS 102/111 Elem. Physics II/Lab 3/1
MATH 145 Pre-Calculus 4
BIO 221 Biological Statistics and Experimental Design 3

MAJOR SPECIFIC COURSES 29
BIO 208 Fundamentals of Cell & Molecular Biology……..3
BIO 210 Essentials of Biomedical Terminology 3
BIO 206 Biological Anthropology
OR
BIO 306 Biotechnology I 3
BIO 302/303 Human Anatomy & Physiology I/Lab 3/1
BIO 325/326 General Microbiology/Lab 3/1
BIO 328/334 Human Anatomy & Physiology II/Lab 3/1
BIO 343 Vertebrate Zoology 4
PSYC 341 Abnormal Psychology 3
BIO 480 Capstone 1

RESTRICTED ELECTIVES 21
BIO 317 Principles of Immunology 3
BIO 330 Fundamentals of Nutrition 3
BIO 338 Medicinal Botany 3
BIO 360 Drugs, Brain & Behavior 3
BIO 401 Genetics 4
BIO 423 Pathophysiology 3
BIO 412 Neuroscience 3
BIO 460/461 Molecular Biology/Lab 4
BIO 472 Cell Biology 3
BIO 479 Research/Internship 1-3
PE 395 Kinesiology 3
CHEM 340/341 Organic Chemistry I/Lab 4
CHEM 342/343 Organic Chemistry II/Lab 4
CHEM 480 Biochemistry I 3
PSYC 322 Personality Psychology 3
PSYC 416 Social Psychology 3
PSYC 437 Cognitive Psychology 3
PSYC 439 Physiological Psychology 3
PSYC 451 Human Sexuality 3
MATH 210 Calculus & Analytic Geometry I 4

Total 120

BACHELOR OF SCIENCE DEGREE IN BIOLOGY HUMAN BIOLOGY MAJOR/MASTER of SCIENCE in PHYSICIAN ASSISTANT STUDIES (MSPAS) 3+2

This major was designed for high-performing students planning on entering the WLU MSPAS program. The major is intensive and rigorous while reducing the length of study by 1 year.
Process:

1. Interview and application at end of freshman year of undergraduate study for the 3+2 major
    a. Application due on April 15 (end of first year of study)
    b. Must have 3.5GPA overall and in science at time of application and meet curricular requirements outlined on advising sheet
    c. The interview will create a pool of eligible applicants to continue within the major option. The interview will be done by Biology faculty with a PA faculty representative prior to the end of the spring semester, first year of undergraduate study
    d. Students will be notified of decision after final grades are posted for the first year of undergraduate study
2. During the second semester of sophomore year eligible applicants will request a letter of recommendation from the Biology Faculty Committee which will be utilized in the interview process at the end of sophomore year with the PA faculty to determine the 2 students to be provisionally accepted into the PA program through the major.
    a. A maximum of 2 students per year will be accepted into the junior year of the 3+2 major (provisional acceptance into the PA program)
    b. Acceptance into the third year of the 3+2 major does NOT guarantee admission to the WLU MSPAS as other requirements must still be met
    c. CASPA application by the provisionally accepted students will be required Summer prior to third year of undergraduate study
    d. After the third year of undergraduate study, the provisionally accepted students will be reviewed for successful completion of remaining prerequisites
    e. Those students not accepted provisionally may complete the full Human Biology major and apply traditionally to the WLU MSPAS program following the normal timeframe; not gaining early acceptance status does not imply the student will not be admitted on a normal timeframe to the MSPAS program
    f. If a provisionally accepted student fails to successfully complete the remaining prerequisites for early entrance to the WLU MSPAS program, they may complete the full Human Biology major and apply on the traditional timeframe; failure to complete prerequisites in the early acceptance major option does not imply the student will not be admitted on the normal timeframe

Students who ultimately apply following the normal timeframe for admission must meet all requirements as designated by the WLU MSPAS program; completion of the full Human Biology major at WLU does not guarantee admission to the WLU MSPAS program.

CORE..... 31
BIO 124/125 Biological Principles/Lab..... 3/1
BIO 202/203 Biology of Animals/Lab 3/1
CHEM 110/111 Gen. Chem. I/Lab..... 3/1
CHEM 112/113 Gen. Chem. II/Lab..... 3/1
PHYS 101/110 Elem. Physics I/Lab 3/1
PHYS 102/111 Elem. Physics II/Lab..... 3/1
MATH 145 Pre-Calculus 4
BIO 221 Biological Statistics and Experimental Design..... 3

MAJOR SPECIFIC COURSES..... 40
BIO 208 Found of Cellular & Molecular Biology……3
BIO 210 Essentials of Biomedical Terminology..... 3
BIO 302/303 Human Anatomy & Physiology I/Lab 3/1
BIO 317 Principles Of Immunology..... 3
BIO 325/326 General Microbiology/Lab..... 3/1
BIO 328/334 Human Anatomy & Physiology II/Lab 3/1
BIO 401 Genetics..... 4
BIO 460/461 Molecular Biology/Lab 4
CHEM 340/341 Organic Chemistry I/Lab..... 4
PSYC 252 Lifespan Development 3
BIO 479 Intern/Research 3
BIO 480 Capstone 1

- 120 credit hours are required to graduate from West Liberty with a B.S.; 40 of those hours must be 300-400 level courses.
- The Human Biology/MSPAS 3+2 major requires a cumulative 3.5 gpa in all math, psychology, and science courses with at least a “C” in each course within the program.
- All courses listed must be completed in the first three years of study.
    - BIO 124/125 and BIO 202/203 (or two semesters of approved biology courses) must be completed in the first year of undergraduate study; minimum grade of B.
    - CHEM110/111 and CHEM 112/113 (or two semesters of approved chemistry courses) must be completed in the first year of undergraduate study; minimum grade of B.
    - MATH 145 or its equivalent must be completed by the end of the first year of study; minimum grade of B.
    - BIO 479 must be completed in 1 credit hour increments as delineated below.
- Twenty-five hours of community service must be completed prior to the end of the third year of undergraduate study.
- Students will receive 13 credit hours of undergraduate biology-specific courses waived in lieu of MSPAS coursework successfully completed in the first two terms of the graduate degree program.
- Award of BS Biology will occur after successful completion of first two terms of graduate degree program.
- **BIO 479 Internship/Shadowing must be completed as three 1 credit hour blocks applied to fall second year, spring second year, and fall third year. Shadowing should be at

least 50% Physician Assistant and must include at least 3 health professionals in different fields including PA. Shadowing is not provided by nor arranged by the WLU MSPAS program.

BACHELOR OF SCIENCE DEGREE IN BIOLOGY
WLU/WVU D.E.A.P. MAJOR

Students completing the B.S. degree in Biology, WLU/WVU D.E.A.P. major, will be required to earn a minimum G.P.A. of 3.6 overall and in the major and to earn at least a "C" in each course in the program. The WLU/WVU D.E.A.P. major is designed for students intending to matriculate in post-graduate professional dental school programs. Students enrolled in the WLU/WVU D.E.A.P. major may be eligible for the Dental Early Admission Program (D.E.A.P.) with the West Virginia University School of Dentistry. For more information on D.E.A.P., please see the Biology Chair or a Biology advisor.

BIOLOGY COURSES:
BIO 124/125 Biological Principles/Lab 3/1
BIO 202/203 Biology of Animals/Lab 3/1
BIO 208 Found Cell & Molec Bio……3
BIO 302/303 Human Anatomy and Physiology I/Lab 3/1
BIO 317 Immunology 3
BIO 325/326 Microbiology/ Lab 3/1
BIO 328/334 Human Anatomy and PhysiologyII/Lab 3/1
BIO 401 Genetics 4
BIO 460/461 Molecular Biology/Lab 3/1
BIO 479 Internship 1-3
BIO 480 Biology Capstone 1
Choose 12 hours from the following:
BIO 330 Fundamentals of Nutrition 3
BIO 343 Vertebrate Zoology 4
BIO 407 Human Genetics 3
BIO 426 Comparative Animal Physiology 4
BIO 462 Microbial Pathogenesis 3
BIO 465 Virology 3

CHEMISTRY CORE 8
ADDITIONAL CHEMISTRY COURSES:
CHEM 340/341 Organic Chemistry I/Lab 3/1
CHEM 342/343 Organic Chemistry II/Lab 3/1
CHEM 480 Biochemistry I 3

PHYSICS CORE 8

MATHEMATICS CORE 7

GENERAL ELECTIVES TO TOTAL 120
The WLU/WVU D.E.A.P. major requires specific General Studies course selection; please see Biology Chair or a Biology advisor.

BACHELOR OF SCIENCE DEGREE IN BIOLOGY
PRE-MEDICINE MAJOR

Students completing the B.S. degree in Biology, Pre-Medicine major, will be required to earn a minimum G.P.A. of 3.2 overall and in the major and to earn at least a "C" in each course in the program. The Pre-Medicine major is designed for students intending to matriculate in post-graduate professional programs in medicine (allopathic or osteopathic medicine). Students enrolled in the Pre-Medicine major may be eligible for the West Virginia School of Osteopathic Medicine Pre-Osteopathic Medicine Track. For more information, please see the Biology Chair or a Biology advisor.

BIOLOGY COURSES:
BIO 124/125 Biological Principles/Lab 3/1
BIO 202/203 Biology of Animals/Lab 3/1
BIO 208 Found Cell & Molec Bio……3
BIO 302/303 Human Anatomy and Physiology I/Lab 3/1
BIO 317 Immunology 3
BIO 325/326 General Microbiology/Lab 3/1
BIO 328/334 Human Anatomy and Physiology II/Lab 3/1
BIO 401 Genetics 4
BIO 460/461 Molecular Biology/Lab 3/1
BIO 472 Cell Biology 3
BIO 479 Internship 1-3
BIO 480 Biology Capstone 1
Choose 9 hours from the following:
BIO 200 Botany 4
BIO 330 Fundamentals of Nutrition 3
BIO 338 Medicinal Botany 3
BIO 350 Developmental Biology 3
BIO 407 Human Genetics 3
BIO 423 Pathophysiology 3
BIO 426 Comparative Animal Physiology 4
BIO 432 Histology 4
BIO 462 Microbial Pathogenesis 3
BIO 465 Virology 3

CHEMISTRY CORE 8
ADDITIONAL CHEMISTRY COURSES:
CHEM 340/341 Organic Chemistry I/Lab 3/1
CHEM 342/343 Organic Chemistry II/Lab 3/1
CHEM 480 Biochemistry I 3

PHYSICS CORE 8

MATHEMATICS COURSES:
MATH 210 Calculus & Analytical Geometry I 4
MATH 160 Statistics 3
OR
BIO 221 Biological Statistics and Experimental Design 3

BACHELOR OF SCIENCE / MASTER OF SCIENCE IN BIOLOGY 3+2

The 3+2 MS in Biology at West Liberty University is the first graduate biology program in the state to offer an accelerated pathway to completion. In this option, students in the combined program will take a slightly heavier (17-18 credit hour) course load per semester for the first three years of study. From the standard undergraduate coursework, these students will be allowed to count 14 credit hours of dual-listed courses toward the bachelor's and master's degree enabling them to complete all undergraduate and graduate requirements, including thesis, in a 5- year time span.

The MS in biology will prepare students for careers in industry working in laboratories at pharmaceutical, biotechnology, or biomedical companies, research positions in academic labs, environmental consulting work, or entry into doctoral programs. Moreover, the 3+2 can prepare students for professional schools such as dental or medical school. Other career options include teaching Biology at small colleges or to begin a career that requires a graduate degree.

BIOLOGY COURSES:

BIO 124/125 Biological Principles/Lab 3/1
BIO 200 Biology of Plants 4
BIO 202/203 Biology of Animals/Lab 3/1
*BIO 302/303 Human Anatomy and Physiology I/Lab 3/1
OR
*BIO 426 Comparative Animal Physiology 4
BIO 325/326 Microbiology/ Lab 3/1
*BIO 401 Genetics 4
*BIO 404/405 Ecology/Lab 3/1
OR
*BIO 472 Cell Biology 3
*BIO 460/461 Molecular Biology/Lab 3/1
*BIO 207 Fundamentals in Ecology and Biodiversity 3
OR
*BIO 208 Foundations in Cell and Molecular Biology……...3
BIO 480 Biology Capstone 1

CHEMISTRY CORE 8
ADDITIONAL CHEMISTRY COURSES:
CHEM 340/341 Organic Chemistry I/Lab 3/1
CHEM 342/343 Organic Chemistry II/Lab 3/1
CHEM 480 Biochemistry I 3

PHYSICS CORE 8

MATHEMATICS CORE (cannot take MATH 160) 7

STUDENTS MUST TAKE 300-400 LEVEL GENERAL ELECTIVES TO TOTAL 136 CREDIT HOURS

A MINIMUM OF 4 CREDIT HOURS OF UPPER LEVEL UNDERGRADUATE BIOLOGY COURSES MUST BE TAKEN FOR GRADUATE CREDIT; ELIGIBLE COURSES ARE DENOTED WITH AN ASTERISK.

ADDITIONAL GRADUATE REQUIREMENTS

BIO 510 Grad Research Skills…….3
BIO 525 Grad Seminar……1(3x)
BIO 500 Electives……...7-8
BIO 580 Independent Study…….4
BIO 598 Thesis……...9

BACHELOR OF ARTS DEGREE IN EDUCATION IN BIOLOGY

The students completing the B.A. 9-Adult teaching degree in Biology will be required to earn at least a "C" in each course in the program. ***See College of Education and Human Performance for additional requirements.***

GENERAL STUDIES 45

BIOLOGY CORE 12

ADDITIONAL BIOLOGY COURSES:

BIO 221 Biological Statistics and Experimental Design 3
BIO 325/326 General Microbiology/Lab 3/1
BIO 302/303 Human Anatomy and Physiology I & Lab 4
BIO 328/34 Human A&P II & Lab 4
BIO 401Genetics 4
BIO 404/405 General Ecology& Lab 3/1
BIO 482 Biology Education Capstone 1

BIO Elective(s) 1-2
Bio Electives to be selected with approval of an academic advisor, from 300 and 400 level courses

CHEMISTRY CORE 8

PHYSICS CORE 8
ADDITIONAL PHYSICS COURSES:
PHYS 315 Trends & Issues in Science Education 3
PHYS 345 Earth & Space Science 3
PHYS 346 Earth & Space Science Lab 1

MATH 145 Pre-Calculus 4

SECOND TEACHING SPECIALIZATION
A second field is highly recommended.

TEACHER EDUCATION COMPONENT
Refer to the Teacher Education section of the University catalog for details on the education portion of this degree.

CHEMISTRY PROGRAM

Students interested in chemistry may pursue the Bachelor of Science in Chemistry or the chemistry minor. Students wishing to teach chemistry may choose the Bachelor of Arts in Education in Chemistry. Students completing the B.S. in Chemistry must earn at least a "C" in required science and math courses.

BACHELOR OF SCIENCE DEGREE IN CHEMISTRY

I. GENERAL STUDIES 48
Must take CHEM 110/111 as General Studies Physical Science requirement

II. REQUIRED COURSES IN SCIENCE AND MATHEMATICS

A. CHEMISTRY 38
CHEM 112 General Chemistry II 3
CHEM 113 General Chemistry II Lab 1
CHEM 320 Analytical Chemistry 3
CHEM 321 Analytical Chemistry Lab 1
CHEM 340 Organic Chemistry I 3
CHEM 341 Organic Chemistry I Lab 1
CHEM 342 Organic Chemistry II 3
CHEM 343 Organic Chemistry II Lab 1
CHEM 400 Inorganic Chemistry 3
CHEM 420/421 Instrumental Analysis/Lab 4
CHEM 464 Physical Chemistry I 4
CHEM 465 Physical Chemistry I Lab 1
CHEM 466 Physical Chemistry II 4
CHEM 467 Phys. Chemistry II Lab 1
CHEM 480/481 Biochemistry I and Lab 4
CHEM 485 Chemistry Capstone 1

B. PHYSICS 8
PHYS 101 Elementary Physics I 3
PHYS 110 Elementary Physics I Lab 1
PHYS 102 Elementary Physics II 3
PHYS 111 Elementary Physics II Lab 1

C. MATHEMATICS 8
MATH 210 Calculus & Analytic Geo. I 4
MATH 211 Calculus & Analytic Geo. II 4

D. CHEMISTRY ELECTIVES 9-18
Choose any CHEM 300-400 level course

III. Choose 0-12 hours as needed from the following to TOTAL 120 Sem. Hrs for degree:
Any 300 Level or above BIO course
MATH 212
Any 300 Level or above MATH course

CHEMISTRY MINOR

REQUIRED COURSES 20
CHEM 110 Gen. Chem. I. 3
CHEM 111 Gen. Chem. I Lab 1
CHEM 112 Gen. Chemistry II 3
CHEM 113 Gen. Chemistry II Lab 1
CHEM 340 Organic Chemistry I 3
CHEM 341 Organic Chem. I Lab 1

Chemistry electives: Any CHEM 300 or above level course or BIO 470 Biological Chemistry to reach 23 total credit hours.
CHEM 320 Analytical Chemistry 3
CHEM 321 Analytical Chemistry Lab 1
CHEM 342 Organic Chemistry II 3
CHEM 343 Organic Chemistry II Lab 1

Total hours required 22-23

BACHELOR OF ARTS DEGREE IN EDUCATION CHEMISTRY (9-ADULT)

I. GENERAL STUDIES 45

II. REQUIRED COURSES IN SCIENCE AND MATHEMATICS

A. CHEMISTRY 34
CHEM 110 General Chemistry I 3
CHEM 111 General Chemistry I Lab 1
CHEM 112 General Chemistry II 3
CHEM 113 General Chemistry II Lab 1
CHEM 320 Analytical Chemistry 3
CHEM 321 Analytical Chemistry Lab 1
CHEM 335 Environment Chemistry 3
CHEM 340 Organic Chemistry I 3
CHEM 341 Organic Chemistry I Lab 1
CHEM 342 Organic Chemistry II 3
CHEM 343 Organic Chemistry II Lab 1
CHEM 352 Principles of Biochemistry 3
** CHEM 360 Prin. of Physical Chemistry 3
** CHEM 361 Prin. of Physical Chem. Lab 1
CHEM 400 Inorganic Chemistry 3
CHEM 486 Chemistry Education (9-Adult) Capstone 1

*** CHEM 464 and 466, Physical Chemistry I and II, and CHEM 465 and 467, Physical Chemistry Laboratory I and II, may be substituted for CHEM 360 and 361.*

B. BIOLOGY 4
BIO 124 Biological Principles 3
BIO 125 Biological Principles Lab 1

C. PHYSICS 15
PHYS 101 Elementary Physics I 3

PHYS 110 Elem. Physics I Lab 1
PHYS 102 Elem. Physics II 3
PHYS 111 Elem. Physics II Lab 1
PHYS 315 Trends & Issues in Science Education 3
PHYS 345 Earth & Space Science 3
PHYS 346 Earth & Space Science Lab 1

D. MATHEMATICS 8
MATH 145 Pre-Calculus 4
MATH 210 Calculus & Analytic Geometry I 4

III. SECOND TEACHING SPECIALIZATION
A second field is highly recommended.

IV. TEACHER EDUCATION COMPONENT
Refer to the Teacher Education section of the University Catalog for details on the education portion of this degree.

MATHEMATICS

Students interested in mathematics may pursue the Bachelor of Arts in Education in Mathematics (5-Adult). Students must earn at least a "C" in required science and math courses.

Students selecting any of these programs should contact an academic advisor immediately for assistance in planning their schedule due to the sequential nature of the curricula.

MATHEMATICS MINOR

Required courses 15
MATH 175 Computer Programming for Sciences 3
MATH 210 Calculus & Analytic Geometry I…… 4
MATH 211 Calculus &Analy. Geom. II…… ...….4
MATH 212 Calculus &Analy. Geom. III…… ...….4

Mathematics electives with advisor approval 6
Total Minor Hours 21

BACHELOR OF ARTS DEGREE IN EDUCATION MATHEMATICS (Grades 5-Adult)

I. GENERAL STUDIES 45-47

II. MATHEMATICS 42
MATH 210 Calculus & Analytic Geometry I 4
MATH 211 Calculus & Analytic Geometry II 4
MATH 212 Calculus & Analytic Geometry III 4
MATH 245 Math for Elem & 5-9 Teacher II 4
MATH 264 Manipulatives in Mathematics 2
MATH 281 Mathematics Education Seminar 3
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

III. SECOND SPECIALIZATION
(A second specialization is not required but is strongly recommended.)

IV. TEACHER EDUCATION COMPONENT 43-45

Refer to the Teacher Education section of the University Catalog for details on the education portion of this degree.

CERTIFICATION: MATHEMATICS (Grades 5-9)

I. GENERAL STUDIES 45-47

II. MATHEMATICS 23
MATH 240 Math for Elem & 5-9 Teacher I 4
MATH 245 Math for Elem & 5-9 Teacher II 4
MATH 145 Pre-Calculus 4
MATH 160 Introduction to Statistics 3
MATH 264 Manipulatives in Mathematics ……2
MATH 309 Calculus & Geometry for Gen. Math 5-9 3
MATH 373 Finite Mathematics 3
MATH 481 Mathematics Capstone 1

III. ADDITIONAL SPECIALIZATION
(An additional specialization is required)

IV. TEACHER EDUCATION COMPONENT 42

Refer to the Teacher Education section of the College Catalog for details on the education portion of this degree.

PHYSICS AND PHYSICAL SCIENCES PROGRAM

Students may pursue the Bachelor of Arts in Education in General Science (Grade 5-Adult) if they wish to teach. In addition, students choosing a different major may pursue the Certification in General Science (5-9).

Students selecting either of these programs should contact an academic advisor immediately for assistance in planning their schedule due to the sequential nature of the curricula.

CERTIFICATION: GENERAL SCIENCE
(Grades 5-9)

I. GENERAL STUDIES 45-47

II. SCIENCE 32-33

A. BIOLOGY
BIO 124 Biological Principles..... 3
BIO 125 Biological Principles Lab..... 1
BIO 340 Life Sciences II for Elementary and 5-9 Teachers 4

B. GEOGRAPHY
GEO 444 Weather and Climate..... 3
OR
PHYS 400 Oceanography and Climatology..... 2

C. MATHEMATICS
MATH 145 Pre-Calculus..... 4

D. PHYSICS
PHYS 101 Elementary Physics I 3
PHYS 110 Elementary Physics I Lab 1
PHYS 315 Trends and Issues in Science Education 3
PHYS 340 Physical Science II for Elem. and 5-9 Teachers 4
PHYS 345 Earth & Space Science 3
PHYS 346 Earth & Space Science Lab..... 1

E. CHEMISTRY
CHEM 100 Foundations of Chemistry 3
CHEM 101 Foundations of Chemistry Lab 1

III. SECOND SPECIALIZATION
An additional specialization is required.

IV. TEACHER EDUCATION COMPONENT 42
Refer to the Teacher Education section of the University Catalog for details on the education portion of this degree.

BACHELOR OF ARTS DEGREE IN EDUCATION
GENERAL SCIENCE
(Grades 5-ADULT)

I. GENERAL STUDIES 45

II. SCIENCE 51-55

A. BIOLOGY 13-14
BIO 124 Biological Principles..... 3
BIO 125 Biological Principles Lab..... 1
BIO 200 Biology of Plants..... 4
BIO 202 Biology of Animals 3
BIO 203 Biology of Animals Lab..... 1
BIO 482 Biology Education Capstone..... 1

B. CHEMISTRY 8
CHEM 110 General Chemistry I..... 3
CHEM 111 General Chemistry I Lab..... 1
CHEM 112 General Chemistry II..... 3
CHEM 113 General Chemistry II Lab..... 1

C. GEOGRAPHY 2-3
GEO 444 Weather and Climate..... 3
OR
PHYS 400 Oceanography and Climatology 2

D. MATHEMATICS 6-8
Choose two of the following:
MATH 145 Pre-Calculus 4
MATH 160 Introduction to Statistics..... 3
MATH 210 Calculus & Analytic Geo.I..... 4

E. PHYSICS 15
PHYS 101 Elementary Physics I..... 3
PHYS 110 Elementary Physics I Lab..... 1
PHYS 102 Elementary Physics II..... 3
PHYS 111 Elementary Physics II Lab..... 1
PHYS 315 Trends & Issues in Science Education 3
PHYS 345 Earth & Space Science 3
PHYS 346 Earth & Space Science Lab..... 1

F. ELECTIVES 7-8
Choose 7-8 hours of any 300-400 level course denoted by BIO, CHEM, or PHYS prefixes.

III. TEACHER EDUCATION COMPONENT 43-45

Refer to the Teacher Education section of the University Catalog for details on the education portion of this degree.

DEPARTMENT OF HEALTH SCIENCES

MEDICAL LABORATORY SCIENCE
Dr. William Wagener, Program Director

The profession of Medical Laboratory Science has developed rapidly into one of the most significant areas of the health care process and offers unlimited possibilities for those persons who desire a career in the clinical sciences and who wish to become an important member of the health care team. The medical laboratory scientist performs the multitude of laboratory tests upon which physicians rely for diagnosis and treatment. Opportunities are also available for the medical laboratory scientist who chooses to work in research, biotechnology or education.

The Medical Laboratory Science Program consists of prerequisite course work in biology, chemistry, mathematics and

general studies. An introductory medical laboratory science course taken during the sophomore year introduces the student to the professional requirements of the program. Course work completed in the campus laboratories and lectures during the junior year prepare the students for senior level clinical rotations at the Ohio Valley Medical Center, Wheeling, W.Va., and East Ohio Regional Hospital, Martins Ferry, Ohio, Reynolds Memorial Hospital, Glen Dale, W.Va., Wetzel County Hospital, New Martinsville, W.Va, Wheeling Hospital, Wheeling, W.Va., Weirton Medical Center, and Weirton, W.Va. In addition, senior medical laboratory science students develop problem solving, interpersonal and managerial skills required for the health professions.

Education

al Programs in medical laboratory science must be accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS, 5600 N. River Road., Suite 720, Rosemont, IL 60018, 773-714-8880). The Medical Laboratory Science Program received initial accreditation in October 1978.

Upon successful completion of the program, the student will be awarded a B.S. degree in Medical Laboratory Science.

ADMISSION

Students are not officially admitted into the Medical Laboratory Science Program until the end of the sophomore year. Freshman and sophomore students are designated as Pre-Medical Laboratory Science majors. At the end of the sophomore year, only those Pre- Medical Laboratory Science majors with the most competitive qualifications will be selected to enter the Medical Laboratory Science Program as juniors.

REQUIREMENTS FOR ADMISSION
PRE-MEDICAL LABORATORY SCIENCE

Applicant must:

1. Meet the admission requirements for WLU.

2. Have completed the American College Test (ACT) within the last two years. (An older student who fails to meet this requirement because he/she is returning to school several years after high school graduation, may still be accepted if other qualifications are strong, e.g., high grades in high school science courses, outstanding recommendations, related work experience, etc.).

3. Have completed at least one unit each of high school biology, chemistry, and algebra, earning a grade of "C" or better in each. [An Enhanced ACT standard score of 20 or better in Natural Sciences and/or Mathematics will be considered as a possible substitute(s) for the above course(s).]

4. Essential functions are minimum technical requirements that are critical for successful completion of the MLS program and employment in the field after graduation. These are provided to you before entering the program so that you understand the technical requirements for success. You are asked to study these and confirm that you are able to meet them. Failure to meet one of more of the essential functions does not necessarily exclude you from entering the program. If you are not able to meet all the functions, you will meet with the MLS faculty to determine the action to be taken.

The student must be able to:

1. Read and write English.
2. Manipulate a microscope.
   a. Physically adjust the instrument.
   b. Process visual acuity to locate specimens on a slide.
3. Discriminate between colors on special stains.
4. Stand and/or sit for prolonged periods of time.
5. Communicate effectively with peers, other healthcare professionals and patients.
6. Exhibit manual dexterity to perform phlebotomy (veni puncture), slide preparation, and culture isolation techniques.
7. Manipulate automatic or manual pipettes and pipetting devices and other standard laboratory glassware and equipment.
8. Accurately transcribe information from computer-generated or other written forms to other formats.
9. Transport low-to-medium weight objects from one point to another.
10. Bend, stretch, reach, or stoop within reason to obtain materials or manipulate instruments.

REQUIREMENTS FOR ADMISSION TO THE MEDICAL LABORATORY SCIENCE (MLS)

The Medical Laboratory Science Program accepts only its most qualified Pre- Medical Laboratory Science majors into the available positions. To be considered for admission to the Program, the applicant must:

1. Submit a completed Medical Laboratory Science application form.

2. Demonstrate scholastic competence (as evidenced by cumulative grade point average and by science/mathematics grade point average) and have earned a minimum grade of:
   a.)"C" in each of the following Medical Laboratory Science courses: 210, 250; and
   b.) An overall grade point average of 2.5 or higher and a minimum grade point average of 2.5 in Math and Science.

3. Demonstrate professional attitudes and aptitude, and writing and communication skills as evidenced by:
   a.) References submitted from one science and one non-science faculty member or laboratory assistant.
   b.) Interview with representatives of the Medical Laboratory Science Admissions Committee.
   c.) Professional assessment by Medical Laboratory Science faculty.

REQUIREMENTS FOR TRANSFER INTO MEDICAL LABORATORY SCIENCE

It is very difficult to transfer into the program and still complete the required courses within the usual four year time period. Those who transfer into the program should plan to spend at least one additional year at WLU to complete the requirements for a B.S. degree in Medical Laboratory Science.

Due to limited class sizes in the junior and senior level MLS courses, a qualified transfer student will be considered for advanced placement in the program only if a vacancy exists.

Students wishing to be considered for transfer must comply with the regular Requirements for Admission to the Medical Laboratory Science Program listed above. Appropriate professional references may include supervisors, educational coordinator, etc. In addition, the student must:

1. Have the following sent to the Director of Admissions at WLU:
   a. A letter of recommendation from an official in student services at the previous institution; and
   b. Transcripts of all college grades to date.
   c. A completed application for admission to West Liberty University.
2. Have earned an overall grade point average of 2.5 or higher.

GUIDELINES FOR ASSOCIATE DEGREE HOLDERS

The MLS faculty has developed the following guidelines for awarding the MLS degree to medical laboratory technicians or clinical laboratory technicians who are graduates from NAACLS accredited programs.

Articulations:

Graduates of West Virginia Northern Community College, Fairmont State University, Community College of Allegheny County, and Eastern Gateway Community College should contact the Program Director of the Medical Laboratory Science Program.

Validation for CLT (MLT) Graduates:

Upon successful completion of 12 credit hours at WLU, 12 credit hours will be awarded if the student has passed the ASCP BOC for laboratory technicians or has a minimum of two years of experience in laboratory science.

ALTERNATE LIST

A sequential listing of qualified pre- Medical Laboratory Science majors who were not selected into the Program will be maintained. Should one of the students who were already accepted decide to decline the appointment, the first alternate would take their place, etc. A student's name will be maintained on the alternate list for two academic semesters only. After that time, the student must make reapplication to be considered for admission.

POLICY OF DEADLINE DATES FOR THE COMPLETION OF ADMISSIONS PROCEDURES

1.Pre- Medical Laboratory Science Admissions: Enrollment in the Pre- Medical Laboratory Science program as freshmen is unlimited and students will be accepted into the program up to the beginning of the fall semester.

2. Medical Laboratory Science Admissions:

a. Cutoff date for submission of application materials:
   Pre- Medical Laboratory Science majors who have completed the required prerequisite coursework and wishing to be considered for acceptance into the Medical Laboratory Science Program as a junior must submit application materials no later than March 1 of the sophomore year.

b. Deadline dates for notification of applicants concerning committee decisions:
   Applicants will be notified of the committee's final decision no later than three weeks after the Registrar's Office receives final grades for the spring term of the sophomore year. If a student registers for summer school courses in order to complete entrance requirements, a provisional acceptance may be given pending the final grades of the summer session(s).

Application materials - both general University and Medical Laboratory Science can be found online or by calling 304.336.8108.

SCHOLARSHIPS AND LOAN FUNDS

The Scholarship Committee of the West Virginia State Society for Clinical Laboratory Science, Inc., presents a scholarship each year to a deserving student in Medical Laboratory Science enrolled in a program in West Virginia. However, this scholarship is only available to fourth-year students. Interested students must see the program director of the Medical Laboratory Science program to procure an application form before October 1. Information concerning loans is available through the director of financial aid.

INSURANCE

Full-time students enrolled at WLU 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.

BACHELOR OF SCIENCE DEGREE IN MEDICAL LABORATORY SCIENCE

I. GENERAL STUDIES.....37
(see required support courses)

II. REQUIRED SUPPORT COURSES.....24
* BIO 124, 125 Biological Principles & Lab 4
BIO 212 Anatomy & Physiology 4
BIO 214 Anatomy & Physiology 2
BIO 216 Microbiology 3
* CHEM 110/111 General Chemistry I & Lab.....4
CHEM 112/113 General Chemistry II & Lab.....4
* MATH 160 Intro. to Statistics 3

III. REQUIRED MLS COURSES.....60
CLS 210 Introduction to CLS 2

CLS 300/301 Clinical Hematology/Lab	4/1
CLS 302 Clinical Hematology II	3
CLS 320 Analysis of Body Fluids	2
CLS 321 Urinalysis and Body fluids Lab	1
CLS 340/341 Clinical Biochemistry I/Lab	3/1
CLS 342 Clinical Biochemistry II	3
CLS 360/361 Clinical Microbiology I/Lab	3/2
CLS 372 Clinical Microbiology II	3
CLS 375/376 Immunohematology/Lab	3/1
CLS 380 Clinical Immunology and Serology	3
CLS 400 CLS Comprehensive Review	3
CLS 411 Clinical Hematology/Coagulation	1
CLS 420 Clinical Laboratory Management	2
CLS 441 Advanced Clinical Biochem. Lab	3
CLS 450 Senior Seminar	3
CLS 455 Quality Control and Research Methods	3
CLS 461 Advanced Clinical Microbio. Lab	3
CLS 470 Case Studies	2
CLS 471 Adv. Immunohematology Lab	1
CLS 481 Advanced Immunology Lab	1
CLS 490 Independent Research	3
TOTAL	**121**

** These required support courses count toward the 48 general studies credits required for graduation*

BUDGET

Seniors will experience costs associated with the clinical rotation courses, such as lab coats, uniforms, and transportation. Fees are also required for the ASCP BOC Examination Application. In addition, a physical examination, drug screening, immunizations, and background checks are required before the student begins the clinical rotation. Students are responsible for the expense. See Program Director for more information.

RETENTION, WITHDRAWAL, SUSPENSION AND DISMISSAL POLICY

INTRODUCTION: A student admitted to the MLS Program must maintain high standards of academic and professional conduct. These standards, and the associated grounds for suspension and dismissal, are clearly explained in this policy bulletin. Policies concerning withdrawal are also discussed.

STANDARDS FOR ACADEMIC ACHIEVEMENT: A student must maintain an overall grade point average of 2.0; in addition, the student must earn a minimum grade of "C" in each Medical Laboratory Science course that is required for the B.S. degree in Medical Laboratory Science.

A student who earns a "D" or "F" in any of the above-required courses will immediately be placed on probation. The course must be repeated, with a grade of "C" or better, during the next regular term that the course is offered. A student may repeat such a course only once—i.e. a minimum grade of "C" must be earned the first time a course is repeated. Failure to earn a minimum grade of "C" will result in suspension from the program.

The second time a student earns a grade of "D" or "F" in a Medical Laboratory Science course the student will be suspended from the program. (See policy on readmission for re-entering the program.)

All students are required to pass a final comprehensive exam covering all areas of medical laboratory science during the final term before graduation. The exam will be given near the end of spring term and will constitute the final grade for CLS 400 and CLS 490 Comprehensive Review. Successful passage of the exam is required to pass CLS 400 and CLS 490.

Failure to pass CLS 400/490 will postpone graduation until the course is repeated and the student earns a passing grade.

Students are not required to complete a national certification examination in Medical Laboratory Science as a condition for graduation. However, the American Society of Clinical Pathologists Board of Certification (ASCP-BOC) offers a national certification examination. Certification is strongly recommended.

FAILURE TO MEET THE TERMS OF A CONDITIONAL ACCEPTANCE CONTRACT: A student who fails to fulfill any of the conditions, as stated in the terms of the conditional acceptance contract, by stated deadline date, will be dismissed from the program.

ILLNESS: Arrangements concerning absences because of short-term illnesses will be made on an individual basis, by conferring with the instructors involved.

In the case of a long-term illness, (more than a week), a student will be asked to withdraw from the program. When such a student wishes to be actively reinstated in the Program, a written request must be submitted to the Program Director. If the Medical Laboratory Science Faculty approves the reinstatement, the student may then resume taking the necessary course work remaining for the B.S. degree in Medical Laboratory Science. It should be noted, however, that because of limitations in class sizes in the Medical Laboratory Science courses, such a student might be required to postpone taking certain required courses until openings become available.

STUDENT-INITIATED WITHDRAWAL: (for any reason) a student in good standing who wishes to withdraw from the program must submit a written letter of withdrawal, to the Program Director. Failure to comply with this requirement will normally preclude reinstatement in the program.

If such a student wishes to be actively reinstated in the program, a written request must be submitted to the Program Director. If the Medical Laboratory Science Program Director approves the reinstatement, the student may then resume taking the necessary course-work remaining for the B.S. degree in Medical Laboratory Science. It should be noted, however, that because of limitations in class sizes in the Medical Laboratory Science courses, such a student might be required to postpone taking certain required courses until openings become available.

PROFESSIONAL CONDUCT: A student who fails to act in a professionally responsible and honest manner, but rather commits a single serious act, or a pattern of actions, (all of which must be documented) of a professionally negligent, careless or dishonest nature, will be dismissed from the Program. Such non-professional conduct cannot be tolerated from individuals who, upon graduation, will assume critical responsibilities in regard to patients' lives.

Examples of when this policy would apply include such cases as: cheating on a test, "fudging" of laboratory data; a pattern of irresponsibility or undependability, a serious act of negligence or breach of confidentiality in a clinical setting.

Students are evaluated on the affective domain objectives and count as ten percent of course grades.

OPPORTUNITIES IN GERONTOLOGY

The trend in America, and in many other countries, is for people to live longer. Predictions indicate that about twenty percent of the population in America will be age 65 or older by the middle of this century. Educating professionals to meet the needs of senior citizens is an important aspect of our nation's readiness to meet this challenge. The varied needs of senior citizens provide a wide array of career opportunities. People with a broad range of skills are needed to increase the quality of life for these individuals. Employment opportunities include senior centers, nursing homes, adult day care centers, independent living facilities, and area agencies on aging.

A gerontology minor is offered for individuals, in all areas, desiring focused study in this specialty. Content includes understanding the needs of seniors, physical and psychological changes that occur with aging, and planning to meet the needs for this population in a caring, supportive manner that preserves one's dignity.

GERONTOLOGY MINOR

Choose 21 hours from the following:

GERO 100 Perspectives on Aging 3
GERO 200 Biology & Physiology of Aging 3
GERO 280 Clinical Aspects of 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 3
GERO 400 Epidemiology of Aging 2
GERO 410 Contemporary Issues in Cross-Cultural Health Care 3
GERO 479 Special Problems 1-3
GERO 480 Gerontology Externship 3-6

BACHELOR OF SCIENCE
PSYCHOLOGY MAJOR

The Department of Social and Behavioral Sciences provides a quality undergraduate psychology program. The curriculum is designed to provide students with a strong liberal arts foundation, which will prepare them to succeed in the workplace and graduate school.

GENERAL STUDIES 44-47*
*Must take MATH 160 for General Studies Math Requirement

PSYCHOLOGY CORE I 22
Successful completion required for admission to the program.
PSYC 100 Intro to Professional Psychology 3
PSYC 225 Psychology of Childhood and Adolescence 3
PSYC 310 Experimental Design and Analysis I 4
PSYC 320 Psychology of Adulthood and Old Age 3
PSYC 322 Personality Psychology 3
PSYC 341 Psychology of Abnormal Behavior 3
PSYC 416 Social Psychology 3

PSYCHOLOGY CORE II 27
Admission to the program required.
PSYC 335 Introduction to Learning 3
PSYC 336 Sensation & Perception 3
PSYC 437 Cognitive Psychology 3
PSYC 446 Clinical Psychology and Psychotherapy 3
PSYC 452 Cultural Psychology 3
PSYC 460 Practicum 6
PSYC 465 Junior Seminar 3
PSYC 470 Senior Seminar 3

RESTRICTED ELECTIVES 12
BIO 360 Drugs, Brain & Behavior 3
BIO 450 Zoo Animal Behavior Mgt (there is a course fee) 4
CJ 320 Victims of Crime 3
CJ 354 Drugs and Society 3
EDUC 301 Educational Psychology 3
HE 320 Mental Health and Drug Use and Abuse 3
MKT 340 Consumer Behavior 3
PHIL 321 Ethics 3
Any PSYC course 200 level or above ..... 3 ea.
SPED 241 Intro to Exceptionalities 3
SPED 354 Affective Cognitive Needs of Gifted 3
SPED 401 Autism I 3
SPED 402 Autism II 3
Grade of C or better required in all PSYC courses for completion of the program.

ELECTIVES TO TOTAL 120

***NOTE:** Requirements for admission to the Psychology Program and permission to enroll in Core II courses:

- Completion of General Studies Communication and Quantitative courses with a grade of C or better
- completion of Core I courses with a grade of C or better
- minimum overall G.P.A. of 2.5
- minimum grade of C in all Core I courses
- score of at least a 70% on each section of the Core I Exam with at least a 70% in each section

Students who do not successfully pass all Core I courses with a C or better within 2 attempts will not be admitted to the program and cannot enroll in Core II courses.

At the completion of Core I courses, students will be required to submit an application for acceptance to the Psychology program. The application will include an updated portfolio which will be evaluated by the psychology faculty using the Psychology Program Application Portfolio Rubric.

PSYCHOLOGY
Minor

REQUIRED COURSES.....18
PSYC 101 Intro to Psychology 3
Psychology Electives. 15

SARAH WHITAKER GLASS
SCHOOL OF DENTAL HYGIENE

Mrs. Stephanie Meredith, Program Director

HISTORICAL SKETCH

The Sarah Whitaker Glass School of Dental Hygiene was opened in September 1938, and graduated its first class in 1940. The work in dental hygiene was instituted at the request and with the cooperation of progressive members of the dental profession in West Virginia, who felt that the lack of a dental school in West Virginia should not delay the growth of the dental hygiene movement. West Liberty was selected for dental hygiene education because of its interest in vocational education, its national accreditation, and its location near suitable clinical facilities.

When the school opened in 1938, one room was devoted to its use. The following year a generous gift from Mrs. Alexander Glass of Wheeling made considerable expansion possible. Further contributions have been made by Mrs. W. W. Holloway and Mrs. Gibson Caldwell, daughters of Mrs. Glass. In recognition of their generosity, the school has been named The Sarah Whitaker Glass School of Dental Hygiene.

THE PROFESSION OF DENTAL HYGIENE

Dental Hygiene is placed significantly among the health professions. As a member of the dental health team, the dental hygienist is concerned primarily with the prevention of oral diseases.

The dental hygienist serves as a preventive oral health professional who provides patient care and is required by law to obtain a license to practice. To obtain this license the dental hygienist must graduate from an accredited school of dental hygiene. The National Board dental hygiene 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. WLU is a testing site for the CDCA exams annually during the spring semester.

CAREER OPPORTUNITIES FOR DENTAL HYGIENE

Career opportunities for dental hygienists have increased in response to society's demands for comprehensive dental health care. Increasing numbers of dental hygienists are working in expanded career alternative settings including dental hygiene education, schools systems, public health, hospitals, clinics and long term care facilities, clinical research, military services, sales in private industry, research organizations, health promotion specialties, federal, state, and local health departments, and foreign employment.

The selection of a career is one of the most important decisions a person makes; therefore it is important that potential students be fully informed about the profession and educational requirements. The American Dental Hygienists' Association website (www.adha.org) publishes important facts about dental hygiene education, professional roles, employment, licensure, national and international careers.

GENERAL INFORMATION

Students are admitted at the beginning of each academic year. Dental hygiene students enroll in an Associate of Science degree or a Bachelor of Science degree in Dental Hygiene. Students entering A.S. Degree Program must complete pre-requisites prior to acceptance.

All dental hygiene students may apply for student membership in the American Dental Hygienists' Association. An annual membership fee entitles the student to receive the Journal of the A.D.H.A. and attend local, state, and national meetings. Upon graduation, student members are eligible for active membership in the ADHA.

RETENTION, SUSPENSION AND REINSTATEMENT

Minimum academic standards:

Because Dental Hygiene courses are sequenced and are taught only one semester per year, successful completion of all dental hygiene professional courses is a prerequisite to entering the following semester.

A student must maintain a "C" or better in all dental hygiene and science courses included in the Dental Hygiene Program curriculum

West Liberty, WV 26074
304.336.8633

Failure to meet Academic Standards:

Failure in a Dental Hygiene Professional Course: A grade of D, F, WF, FI in any of the Dental Hygiene courses will result in immediate suspension from the program. In order for a student to be considered for reinstatement, the course must be repeated with a grade of "C" or better during the next regular semester the course is offered. If a course grade of "D" or lower is subsequently repeated, the original grade will remain and be counted as an unsatisfactory grade. Upon earning a second unsatisfactory grade (D, F, WF, FI) in a Dental Hygiene course, the student is immediately and permanently dismissed from the Dental Hygiene Program. A student has the right to formally appeal decisions involving such matters to the Dental Hygiene Appeals Committee.

Re-Admission Policy Following Suspension:

Following suspension, a student must repeat the course deficiency that resulted in the suspension during the next semester in which the course is offered. When the deficiency is corrected, the student must submit an application for re-admission to the Dental Hygiene Admissions Committee before the start of the next semester in which the student desires admission. The Dental Hygiene Admissions Committee will inform the student of their decision before the start of the next semester. Re-admission to the program is on a space available basis through the Dental Hygiene Admissions Committee.

PROFESSIONAL ETHICS POLICY

If a student is found in violation of the university policy on academic dishonesty and receives an "F" for any such course, the student will be dismissed for violation of professional ethics and will not be reinstated into the program.

The policies, rules, and regulations regarding academic student rights are contained in the Handbook of Student Information and Policies. If a student wishes to appeal any faculty committee decision about dismissal, the appeal must be submitted in accordance with the student appeals procedure.

ADMISSION POLICIES AND PROCEDURES

Application for admission to the A.S. and B.S. Degree programs in Dental Hygiene must be submitted on or before January 15 of each year. Completed applications are reviewed and evaluated by the Dental Hygiene Admissions Committee beginning in February. All applicants will be notified of the committee's decision regarding their application.

Application material is available on-line at westliberty.edu.

Request for print material should be directed to the following:

Sarah Whitaker Glass School of Dental Hygiene
Attn: Program Director
208 University Drive CUB 121

A.S. Degree Application Requirements (Professional Two-Year Block of Clinical Courses)

Applicants must:

1. Meet the admission requirements for the University. Applicants who meet these requirements will be formally notified by the Admissions Office.
2. Complete the Dental Hygiene Application by January 15.
3. Have completed or be currently enrolled in the following pre-requisites:
   - English 101 & 102
   - Psychology 101
   - Sociology 150
   - Oral Communication 101
   - Biology 204 & 205 - Anatomy & Physiology & Lab
   - Chemistry 100 & 101- Foundations of Chemistry & Lab
   - Biology 216 - Microbiology & Lab
   - Biology 330 - Nutrition
4. Maintain a minimum cumulative G.P.A. average of 3.0.
5. Earn a minimum grade of "C" in all pre-requisite courses

* If a grade of D of F is earned in any of the pre-requisite courses, the student is given the opportunity to repeat that class to replace the unsatisfactory grade.

B. S. Degree Application Requirements

Applicant must:

1. Meet the admission requirements for WLU. Applicants who meet these requirements will be formally notified by the Admissions Office.
2. Begin completion of all pre-requisite courses listed above.
3. Enroll in general studies courses towards completion of B.S. degree.
4. Maintain a minimum cumulative G.P.A. average of 3.0.
5. Earn a minimum grade of "C" in all science and mathematics courses completed.
6. Make a formal application to the professional two-year block of clinical courses by January 15 of the year seeking admission.

STUDENT-PARTNERS

Students accepted into Dental Hygiene must be physically capable to participate in student-partner laboratory sessions in all levels of clinic.

SECURITY SCREENING FOR DENTAL HYGIENE STUDENTS

The School of Dental Hygiene requires a criminal background check and drug screening as part of the admission process. A criminal background check and drug screening will be required of all successful applicants through the WLU selected provider. Criminal background checks and drug screenings are required to be completed before beginning the two-year professional block of dental hygiene courses. Students are responsible for all costs associated with the background check and drug screening test. Additional information will be sent to the

admitted students. Note: Dental Hygiene is not responsible for assuring that students meet licensure eligibility requirements. A previous criminal background and/or positive drug test may prohibit a student from obtaining licensure and/or employment despite successful completion of the Dental Hygiene Program. In addition, patient safety is a primary concern during student provided treatment; therefore, random drug testing may be required during the program, if student elicit questionable behaviors.

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.

• Jane Sargent Dental Hygiene Scholarship is awarded annually to a BS degree-seeking student completing the first year of the Clinical program. Students must have completed 64 semester hours toward the BS degree.

• 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 and a second-year student entering the fourth 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.

• 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.

• Carol Frum Dental Hygiene Scholarship is awarded to a Dental Hygiene Student entering his/her senior year with preference given to a non-traditional student.

• 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.

ACADEMIC ACHIEVEMENT AND GRADUATION AWARDS

•*SIGMA PHI ALPHA*

Sigma Phi Alpha, the national honor society of the dental hygiene profession, recognizes scholarship, service, and character among students and graduates of dental hygiene.

• *DENTAL HYGIENE PROGRAM AWARD* - This award recognizes a graduating student who demonstrates outstanding comprehensive patient care in the clinic.

• *STUDENT AMERICAN DENTAL HYGIENISTS' ASSOCIATION AWARD* - This award recognizes a graduating student who has demonstrated an outstanding contribution to their class.

•*HU-FRIEDY GOLDEN SCALER AWARD* - This award recognizes outstanding clinical proficiency by a graduating student.

•*COLGATE "STAR" AWARD* - This award honors a graduating student for academic excellence and community service.

•*WEST VIRGINIA DENTAL HYGIENISTS' ASSOCIATION AWARD* - This award recognizes a first-year student who consistently demonstrates quality communication skills with patient education and a graduating student who demonstrates leadership and professionalism.

TRANSPORTATION

The student is required to arrange for his/her own means of transportation to and from the various off campus clinical and health education activities in Community Dental Health II 360, 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 University is not responsible for accidents in privately owned vehicles used for transportation during program related functions.

BUDGET

Refer to section on Tuition, Fees, and Financial Aid in catalog.

Expenses for a student enrolled in the Associate of Science Degree program include: uniforms, shoes, safety glasses, instruments, radiography equipment, x-ray monitoring badge, professional dues for the student organization, board examination fees, and a professional pin.

ASSOCIATE IN SCIENCE IN DENTAL HYGIENE

The General Studies courses listed above must be taken prior to beginning the Associate Degree 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.

First Year Fall Semester: I

DH 155 Head & Neck Anatomy	2
DH 156 Tooth Morphology	2
DH 185 Clinic I	3
DH 186 Clinic I Lab	2
DH 225 Periodontology I	1
DH 237 Radiography	2
DH 238 Radiography Lab	1
Total:	**13**

First Year Spring Semester: II

DH 267 Dental Materials	1
DH 268 Dental Materials Lab	1
DH 285 Clinical DH II	3

DH 286 Clinical DH II Lab 2
DH 325 Periodontology II 1
DH 350 Pharmacology 2
DH 440Evidence-Based Dentistry 2
Total: 12

Second Year Fall Semester: III
DH 331 General/Oral Pathology 3
DH 365 Ethics in Dentistry 1
DH 380 Clinic III 2
DH 381 Clinic III Lab 3
DH 460 Pain Management/Lab 3
DH 462 Patients with Special Needs 2
Total: 14

Second Year Spring Semester: IV
DH 360 Community Dental Health 3
DH 385 Clinic IV 2
DH386 Clinic IV Lab 3
DH 390 Applied concepts 2
DH 470 Board Review 2
Total: 12

Dental Hygiene Hours: **51**
TOTAL DEGREE HOURS 80

BACHELOR OF SCIENCE IN DENTAL HYGIENE
120 Hours Total

General Education Requirements: ..... … 49

- BIO 204 & 205 A&P/Lab and CHEM 100/101 Foundations of Chemistry fulfills Natural Science Gen Ed Requirements.
- Refer to General Education section of catalog for more detail.
- MATH 160 Introduction to Statistics
- HE 250 Introduction to Health

Science Prerequisites (BIO 216, BIO 330) 6
Dental Hygiene Courses 62
Electives 3
Total 120

The following courses must be completed before being admitted to the First Year Fall Semester of the clinical program.

- ENG 101
- ENG 102
- PSYC 101
- SOC 150
- COM 101
- BIO 204/205
- CHEM 100/101
- BIO 216
- BIO 330

Dental Hygiene Courses (62 Hours):

First Year Fall Semester:
DH 155 Head & Neck Anatomy 2
DH 156 Tooth Morphology 2
DH 185 Clinic I 3
DH 186 Clinic I Lab 2
DH 225 Periodontology I 1
DH 237 Radiography 2
DH 238 Radiography Lab 1
DH 340 Nutrition in Dentistry 2
Total: 15

First Year Spring Semester:
DH 267 Dental Materials 1
DH 268 Dental Materials Lab 1
DH 285 Clinical DH II 3
DH 286 Clinical DH II Lab 2
DH 325 Periodontology II 1
DH 350 Pharmacology 2
DH 400 Intraoral Photography 1
DH 440 Evidence-Based Dentistry 2
Total: 13

Second Year Fall Semester:
DH 331 General/Oral Path 3
DH 365 Ethics in Dentistry 1
DH 380 Clinic III 2
DH 381 Clinic III Lab 3
DH 460 Pain Management/Lab 3
DH 462 Patients with Special Needs 2
DH 464 Educational Methods for the DH 2
DH 466 Practice Management 2
Total: 18

Second Year Spring Semester:
DH 360 Community Dental Health 3
DH 385 Clinic IV 2
DH 386 Clinic IV Lab 3
DH 390 Applied Concepts 2
DH 450 Sr. Research 3
DH 445 Multidisciplinary Approach to Patient Care 1
DH 470 Board Review 2
Total: 16

BACHELOR DEGREE COMPLETION PROGRAM

The Degree Completion Program provides the opportunity for dental hygienists who have a certificate or an Associate degree from an accredited dental hygiene program to earn a Bachelor of Science Degree in Dental Hygiene. The program offers the licensed and practicing dental hygienist the opportunity of advancing professional knowledge and skills, combined with an optimal general education. The main objective of the program is to enable the graduates to broaden their career options.

Students may enroll in a full or part-time arrangement. Students attending on a part-time basis must complete the program within six years after initial entrance to WLU.

ADMISSION REQUIREMENTS
(DEGREE COMPLETION PROGRAM)

1. Applicants to the program are expected to fulfill the admission requirements listed in the catalog section titled Admissions and Academic policies.
2. Applicant must be a graduate of an accredited associate degree or certificate dental hygiene program.
3. A minimum overall grade point average of 2.5 is required.
4. Official college transcripts of all college work completed to date must be submitted with an application to the Program Director of Dental Hygiene.
5. A license to practice dental hygiene in a minimum of one state is required to enter this program.
6. An admission interview is required for each applicant. Appointments can be made by contacting the Program Director at 304.336.8117.
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.

NURSING

Dr. Rose Kutlenios, Program Director

This institution offers a bachelor of science in nursing degree, accredited by the Commission on Collegiate Nursing Education (CCNE)*, for high school graduates and registered nurses. The program incorporates various educational opportunities to prepare students to be professional nurses. The highly qualified faculty, comprehensive curriculum and clinical learning experiences in dynamic health care agencies contribute to making this nursing program one of high quality.

Graduates of this program who were not previously registered nurses are eligible to apply to write the examination for licensure as professional registered nurses. They will be qualified to practice at entry-level positions in a variety of health care settings. All graduates of the program possess a sound knowledge base for the continuation of their nursing education at the graduate level.

VISION

The vision of the WLU Nursing Faculty is to be a state and regional leader in providing excellence in professional nursing education.

PROGRAM OUTCOMES

Graduates will be able to:

1. Provide safe, holistic, patient-centered care to promote wellness across the lifespan.
2. Synthesize current evidence and clinical reasoning in planning, implementing, and coordinating patient-centered care.
3. Collaborate with members of the interprofessional healthcare team to meet the needs of patients in a variety of healthcare settings.
4. Participate in quality improvement and safety processes as a nurse leader in a healthcare system.
5. Incorporate effective use of information and technology in nursing practice.
6. Demonstrate professional behaviors within the legal and ethical standards of nursing practice.

** Commission on Collegiate Nursing Education*
655 K Street, NW
Suite 750
Washington, DC 20001

Phone: 212.887.6791
www.aacn.nche.edu/ccne-accreditation

OPPORTUNITIES IN PROFESSIONAL NURSING

A career in professional nursing offers a world of opportunities to its members. Baccalaureate-prepared registered nurses are employed in a variety of settings, ranging from hospitals to community agencies, and are eligible for commission in the armed services. Nurses are able to find employment settings which match personalities, interests, and lifestyles. Hospitals and long-term care facilities usually allow nurses to select positions in their areas of interest in nursing.

Nurses who prefer being employed in the community are able to consider positions such as school nurse, home health nurse, public health nurse, and clinic nurse. While these settings offer a wide range of choices to nurses, other professional roles are also available.

Nurses may be interested in a particular area of specialization in nursing. Examples of nursing specialties include mental health, maternal-child health, critical care, oncology, and rehabilitation.

Most of these career opportunities are readily available to registered nurses. Other career options become available to nurses who continue their education at the graduate level. Positions in nursing education, nursing administration, and advanced nursing practice are examples of these career options.

ADMISSION TO THE NURSING PROGRAM

Entry Level Students
ADMISSION PROCEDURE AND REQUIREMENTS

1. Persons desiring to study nursing at WLU must be admitted to the university, declaring Nursing as their major.
2. Admission to the nursing major is through either of two methods: Direct Admission or Application made during the second semester of the sophomore year.

a. Direct Admission: High school students who are admitted to West Liberty University and meet the qualifications below will be given a spot in the Nursing Program in their junior year as long as they maintain a 3.0 University GPA and satisfy the requirements listed in item #4 below (related to full admission) .Qualifications for direct admission to nursing are any one of the three combinations of high school grade point average and ACT or SAT scores:

1. A GPA of 3.8 or higher and either a 25 or higher composite ACT or an 1150 or higher SAT (combined Critical Reading and Math)
2. A GPA of 3.6 -3.79 and either a 26 or higher composite ACT or an 1190 SAT (combined Critical Reading and Math)
3. A GPA of 3.5 – 3.59 and either a 28 or higher composite ACT or an 1260 SAT (combined Critical Reading and Math)

b. Application to the Nursing Program maybe made during the second semester of the sophomore year. Admission criteria include:

1. ACT composite score of 20 or combined critical reading and math SAT score of 1030.
2. Satisfactory completion of a pre-admission examination as determined by the Nursing Program.
3. Cumulative GPA of 3.0 upon completion of at least 42 hours of credit.
4. A grade of "C' or higher in all science prerequisite courses: BIO 124/125; CHEM 100/101 or CHEM 110/111; BIO 212.

The Nursing Academic Standards Committee reviews applications and notifies the candidate of its decision. Students desiring priority consideration should submit all application material by **February 1.**

1. Students not meeting initial requirements may re-apply.
2. Full admission to the Nursing Program will occur at the completion of the sophomore year and includes.
   a. Satisfactory completion of all general studies courses and nursing support/prerequisite courses with an overall GPA of 3.0 in the general studies and nursing support/prerequisite courses required for the degree
   b. A grade of "C" or higher in each science course (BIO 214, and BIO 216) and the prerequisite nursing courses (NUR 202 and NUR 203).
   c. A background check with "unremarkable" findings and a drug screen with "clean" results (from a specified vendor).

NOTE: The West Virginia Board of Examiners for Registered Professional Nurses reserves the right to deny a license to practice registered professional nursing to persons who abuse alcohol and/or drugs, have been convicted of a felony or engaged in other improper activities as stated in Article 7, Chapter 30, Section 11, Code of West Virginia.

BA/BS TO BSN Students (Second Degree)
ADMISSION PROCEDURE AND REQUIREMENTS

1. Applicants to the BA/BS to BSN program must first apply to WLU and indicate they are applying to this program.
2. The second degree program student applicants will be selected by the Academic Standards Committee of the Nursing Program based on the following criteria:
   a. Baccalaureate degree from an accredited college or university.
   b. Overall grade point average of at least a 3.0 on 4 point system.
   c. Completion of the following prerequisite courses: General Psychology, Developmental Psychology, Chemistry, Anatomy and Physiology I and II, Microbiology, and Statistics with a grade of "C" or higher.
   d. Personal essay related to how this program will help the student reach goals.
   e. Short resume.
3. Students must also have a background check with "unremarkable" findings and a drug screen with "clean" results (from a specified vendor).

NOTE: The WV Board of Examiners for Registered Professional Nurses has 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 the WV Code.

Registered Nurse Students (RNs)
ADMISSION PROCEDURE AND REQUIREMENTS

1. RN applicants to the Nursing Program must first be accepted by WLU.
2. Upon acceptance to the University, RN students must apply to the Nursing Program. Applications are available online. Applicants will be reviewed by the Nursing Academic Standards Committee and will be notified regarding its decision.
3. Applicants must submit their school of nursing transcripts, and all additional university transcripts to the Office of Admissions.
4. RN ADMISSION REQUIREMENTS INCLUDE:
   A. Meet the general requirements for admission to the University.
   B. Graduate from an approved/accredited associate degree or diploma program in nursing as evidenced by an official transcript.
   C. Valid professional nursing license in West Virginia or be eligible for licensure in West Virginia.
   D. Cumulative G.P.A. of 2.00 or higher for all previous college courses.
   E. The Nursing Academic Standards Committee requires a completed health record prior to the first off campus clinical experience and reserves the right to require such additional information, examinations, or measures of eligibility as may be necessary.

ADDITIONAL RN CLINICAL COURSE REQUIREMENTS

Prior to enrollment in clinical nursing courses, the RN student must give evidence of:

• Current West Virginia professional nurse licensure and for any state in which clinical practice is arranged.

BACHELOR OF SCIENCE IN NURSING

GENERAL STUDIES ..... 46-48 Sem. Hrs.
Must take MATH 160 and PSYC 101

SUPPORT COURSES
BIO 212/214 Anatomy & Physiology I /Lab 6
BIO 216 Micro 3

PSYC 252 Lifespan Development 3

*Transfer students or students enrolled in the BSN program for RNs who successfully completed an anatomy/physiology and/or microbiology course through an accredited college may substitute such credit, if the course is determined to contain sufficient content knowledge needed for the Bachelor of Science in Nursing courses.

Pre-Nursing Courses for Entry Level students

Sophomore

NUR 202 Intro to Professional Nursing 2
NUR 203 Medical Terminology 1

Nursing Courses for Entry Level students

Junior

NUR 309 Health Assessment 3
NUR 315 Professional Nursing I 7
NUR 317 Clinical Nursing I 3
NUR 319 Pharmacology I 3
NUR 320 Pharmacology II 3
NUR 322 Evidence-Based Practice & Informatics 4
NUR 323 Professional Nursing II 7
NUR 324 Clinical Nursing II 4

Senior

NUR 405 Population-Based Health 2
NUR 406 Professional Nursing III 7
NUR 407 Clinical Nursing III 5
NUR 409 Nursing Synthesis I 2
NUR 436 Professional Nursing IV (first 8 weeks) 3
NUR 437 Clinical Nursing IV (first 8 weeks) 2
NUR 438 Leadership and Management 3
NUR 439 Nursing Synthesis II 3
NUR 440 Capstone 4
TOTAL 125

Nursing Courses for BA/BS to BSN Students

NUR 204 Transition to Nursing……..……....1
NUR 309 Health Assessment…….....3
NUR 315 Professional Nursing I…….....7
NUR 317 Clinical Nursing I……..3
NUR 319 Pharmacology I…….....3
NUR 320 Pharmacology II……...3
NUR 322 Evidence-Based Practice & Informatics……..…..4
NUR 323 Professional Nursing II……....7
NUR 324 Clinical Nursing II…….4
NUR 405 Population-Based Health……...2
NUR 406 Professional Nursing III…….…..7
NUR 407 Clinical Nursing III……..…..5
NUR 409 Nursing Synthesis I……..2
NUR 436 Professional Nursing IV (8 weeks)……....3
NUR 437 Clinical Nursing IV (8 weeks)……....2
NUR 438 Leadership and Management……...3
NUR 439 Nursing Synthesis II……3
NUR 440 Capstone…….……..4

Nursing courses for RN-BSN only:

HS 302 Healthcare Informatics 3
NUR 362 Evidence-Based Methods 3
NUR 390 Nursing Transition 3
NUR 391 Advanced Health Assessment 3
NUR 392 Quality and Safety 3
NUR 393 Geriatric Nursing 3
NUR 411 Population Health 4
NUR 450 Healthcare Systems 3
NUR 474 Ethical and Legal Issues 3
NUR 483 Nurse Leadership Role 4

RN-BSN STUDENTS

The baccalaureate degree for nursing is available to RN students in an accelerated time frame. It is designed primarily for working RNs who have completed approximately 60 hours of college credit. Nursing classes are provided on the main campus, at the Highlands Center, and online. More detailed information can be obtained from the Nursing office.

All RNs requesting admission to the RN-BSN program will receive 30-31 undifferentiated nursing credits for lower division nursing coursework based on current registered nurse license and graduation from an accredited school of nursing within the past 10 years or employment as an RN within the past three years.

BIO 330 is required to fulfill the general studies biology for RN students. RN students may use any physical science course listed in the general studies section of the B.S. degree to fulfill the Physical Science General Studies requirement.

The science lab course and physical education course in General Studies are not required for the RN-BSN students only.

POLICIES

Attendance is required for all scheduled learning experiences. Any absence(s) may interfere with the student's ability to complete the course satisfactorily. Please see the Nursing Program Student Handbook and the course syllabi for more specific policies on attendance.

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 WLU nursing courses. If the above minimum grades are not earned, continuation in the program will be delayed.

If a student fails or withdraws from a course that has a companion course, the student will have to repeat both companion courses. Nursing students are permitted to repeat one nursing curriculum course in which they have earned an unsatisfactory grade (D, F, WF, FI). Upon earning a second unsatisfactory grade in a nursing curriculum course, the student is dismissed from the Nursing Program.

Transfer Students: Promotion and Retention

Transfer students accepted into the Basic Nursing Program with a grade of D, F, FI, WF in a nursing curriculum course deemed equivalent to a specific course in the WLU nursing curriculum will be considered to have one failing grade upon entry into the Program. They will be required to repeat the course. A second

grade of D, F, FI, or WF in any nursing curriculum course will result in permanent dismissal from the Nursing Program.

The grade for any nursing course that is not equivalent to any specific course in the WLU nursing curriculum will not be used in the computation of the nursing G.P.A. and will be considered a general elective only.

Professional Conduct

The nursing faculty believes that students must consistently display professional attitudes and behaviors in accordance with the Student Handbook. In addition to above-mentioned standards of conduct, nursing students are accountable for avoiding impaired, incompetent, and negligent practice at all times. Demonstrated failure to meet these standards may be grounds for dismissal.

The nursing faculty comply with the requirement that "Students shall adhere to the standards for professional conduct as stated in 19CSR10 Standards for Professional Nursing Practice" (state of West Virginia Code and Legislative Rules, Registered Profession Nurses, July 2009). The W.Va. Board of Examiners for Registered Professional Nurses also has the authority to discipline a student in a state approved nursing program in accordance with the West Virginia Code and Legislative Rules for Registered Professional Nurses.

Professional Development and Community Service

Each nursing major must participate in professional development and community service activities as part of graduation requirements. A listing of acceptable activities is described in the Nursing Program Student Handbook. The Program Director, Nursing shall determine the appropriateness of each student's professional activities and community service. Additional professional development activities not identified in the Guidelines will be considered on an individual basis. Failure to comply with this requirement will delay graduation until the requirement is fulfilled.

Part-time Study

After acceptance into the entry nursing program, the student should complete the nursing courses in two years of full-time study in the junior and senior years. Any alteration in the designed two-year curriculum plan of studies for nursing courses will result in a re-evaluation of progress and a potential change in requirements.

Incomplete

At the discretion of the instructor, an incomplete (I) grade may be given to a student who is passing a course but for valid reasons is unable to meet all course requirements. The method of removal of the incomplete grade is determined by the faculty member. If the incomplete grade is not removed according to university policy, the grade will become a failure.

Transfer

Placement of students who transfer to the nursing program at WLU will be determined on an individual basis by the Nursing Academic Standards Committee. Advanced standing is given following review of transcripts, nursing course descriptions, and or nursing course syllabi, and in some cases achievement testing. Students must meet WLU admission and Nursing Program admission, and progression requirements as well as:

1. Provide transcripts from previous schools and evaluation by the WLU Admissions Office for the Nursing Academic Standards Committee.
2. Complete a minimum of 15 credits in nursing from WLU and other general requirements for graduation as outlined in the University catalog.

Transfer Credit for Non-Nursing Courses

The student may receive transfer credit for non-nursing courses taken in any regionally accredited post-secondary institution of higher education. The student must request evaluation of these courses at the time an application is submitted to the Admissions Office of WLU.

Dismissal

A student may be dismissed from the Nursing Program for academic, clinical, or professional conduct reasons. The Faculty of the Nursing Program reserves the right to dismiss a student who does not meet the standards described in the Promotion and Retention and/or Professional Conduct policies. Students who have been dismissed may appeal dismissal according to WLU policies. If not appealed or if dismissal is upheld after appeal, dismissal from the Basic Nursing Program is permanent, and students dismissed are not eligible to reapply to the Basic Nursing Program. Nursing Program standing is separate from that of the institution so dismissal from Nursing may not affect a student's good academic standing with the University.

Graduation

Candidates for a bachelor of science in nursing degree must complete a minimum of 124 semester hours including the required courses in the BSN curriculum. The required professional development and community service activities must be validated, and all University graduation requirements must be met. Upon graduation, the nursing pin that symbolizes graduates of WLU will be available. Various graduation awards are given to the graduates selected for honors.

Student Rights

The policies, rules, and regulations regarding academic student rights are contained in the Handbook of Student Information and Policies. Should any nursing student wish to appeal any faculty committee decision about Suspension, Dismissal, or a grade appeal, such appeals must be submitted in accordance with the University policy, which is found in the Student Handbook.

Leave of Absence

A student desiring a leave of absence should arrange for an appointment with the Program Director, Nursing, to discuss the situation. Attempts will be made to assist the student to meet the requirements of nursing courses, if the duration of the leave of absence results in less than two weeks of the semester and the student has a passing grade in the nursing courses. Students

anticipating a longer leave of absence should refer to the WLU Withdrawal Policy and complete all necessary forms for withdrawal from WLU. The forms are available in the Registrar's office.

Individuals who leave the program in good academic standing and desire readmission after a one semester leave of absence will be given preference for readmission to the nursing program.

If a student plans to return after a leave of absence, the Academic Standards Committee must be notified in writing at the earliest possible time to ensure an opening in the class.

Readmission

Application for readmission should be made to the Nursing Academic Standards Committee following the admission procedure. Materials to be submitted for readmission will be determined on an individual basis. Individuals must be readmitted to the University before they will be considered by the Nursing Program. Students who have dropped out or withdrawn from the program need to submit a letter to the Academic Standards Committee requesting readmission at least three months in advance of their re-entrance date. Because the class size is limited, individuals are encouraged to make their requests early. Students who have withdrawn from the program with passing grades in nursing will be given preference for admission into nursing courses. Readmission will be decided by the Nursing Academic Standards Committee on a space available basis. Students absent for more than one year may be required to audit courses previously taken and/or validate prior learning. A current health examination may also be required.

The Nursing Academic Standards Committee will consider the readmission of students who were dismissed from the Basic Nursing Program for academic reasons to the Accelerated BSN Program after they have graduated from another accredited nursing program and are licensed as registered nurses.

Health Examination

Each student must have a Health Record completed prior to admission to the Nursing Program. Any cost incurred for the physician's examination, required laboratory tests, and/or vaccinations are the responsibility of the student. A repeat health examination may be required on reapplication to the program, especially if the student left for health problems. Faculty reserve the right to dismiss students from class or clinical experience for overt health problems. Student cannot participate in clinical experiences until health records are completed.

Cardiopulmonary Resuscitation (CPR)

All students enrolled in the Nursing Program must achieve and maintain current valid certification in CPR. This certification must be earned prior to the first off-campus clinical course and renewed as necessary to remain valid during enrollment in the Program.

The Nursing Program Academic Standards Committee requires a completed health record and completion of CPR (American Heart Association, Health Care Provider) prior to the first off-campus clinical experience. The student must present current updates of this certification at the beginning of each semester.

Clinical Attire

Students are required to wear student uniforms designated by the Nursing Program during most off-campus clinical courses. Additional information is provided in the Student Handbook of the Nursing Program.

Students are expected to maintain a professional image. The faculty reserves the right to require students to modify their attire if, in the faculty judgment, it is not acceptable.

Transportation

Students are responsible for providing their own transportation for learning experiences. A majority of the clinical laboratory courses are held off-campus in area health care facilities.

Liability Insurance

Students are covered by professional liability insurance provided by the State of West Virginia. Students are not covered for the cost of materials or equipment broken or damaged while participating in clinical laboratory courses and shall be responsible for reimbursing the facility through the office of the Program Director, Nursing.

Health Insurance

Students who are not covered by a health insurance plan are encouraged to obtain an insurance policy. Assistance in obtaining this type of insurance is available from the Office of the Vice President of Student Affairs.

Background Checks

Students will be screened by a third-party vendor prior to admission. Screening will include criminal background, residency history, social security verification, fraud and abuse, and sexual offender registry, and a drug screen.

Recruitment

Recruitment materials and presentations accurately represent the Nursing Program. Students are fully informed of the admission criteria of the Program during recruitment activities. Additionally, the Program follows the University's guidelines for recruitment as directed by its institutional and program accrediting agencies.

SCHOLARSHIPS AND LOANS

Various nursing scholarships, academic achievement awards, and loans are available or awarded to qualified students when funds are available.

SCHOLARSHIPS:

1. *Dorothy Long Scholarship*, available to sophomore/ junior nursing students.
2. *Nursing Scholarships*, available to incoming sophomore/ junior, and senior nursing students.
3. *Human Touch*, available to junior nursing student.
4. *Don L. Seamon Memorial Scholarship*, available to sophomore/junior nursing students.

BUDGET

In addition to university tuition and fees, nursing students are responsible for the following approximate expenses:

ITEMS	***COST ****
Uniforms and accessories	$300
Computer laptop	Varies
Additional fees apply to nursing students	Varies
Nursing Pin	Varies
State board fees for Licensure	Varies (state to state)

** Subject to change without notice.*

GRADUATION AWARDS

Graduation awards are presented to senior nursing students at their Pinning Program: Nightingale, Sally H. Eberhard Award, and Eastern Star Award.

Nightingale

The Nightingale Award was established in May, 1974 by Joseph H. Strauss in the name of his family to be awarded to a graduating nursing student selected on the basis of clinical excellence.

Sally H. Eberhard Award

The Wheeling Hospital Sally H. Eberhard Award was established by Wheeling Hospital in 2005 to honor Dr. Sally H. Eberhard, a former West Liberty faculty member. The award is given annually to a graduating senior who displays a commitment to lifelong learning.

Eastern Star Award

The Eastern Star Award is a gift of money to an exemplary graduating RN or BSN student.

PRE-PROFESSIONAL SPEECH PATHOLOGY & AUDIOLOGY Bachelor of Science

Stephanie Bradley, Program Director

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 & 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 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-Language Pathologist or Audiologist, the student must plan for enrollment in a master's and/or doctoral degree program in order to complete their professional preparation.

Completion of the requirements for a bachelor's degree at WLU, together with the completion of a professional master's degree program in Speech-Language Pathology or doctoral degree in Audiology, 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).

WLU, the Department of Health Sciences and the Speech Pathology & Audiology Program strive to insure a well-rounded education which develops both the scientific and humanistic aspects of graduates. The curriculum integrates a sequence coursework with courses designed to provide a basic understanding of normal communication processes and an introduction to audiology and speech-language pathology. The major area of concentration can be supplemented with coursework in the areas of education, gerontology, health sciences, psychology, and linguistics. These supplements broaden perspectives and support diverse career choices. Students are provided the fundamentals necessary for graduate study. The program encourages students to think clearly and objectively, preparing them to solve problems as professionals through effective interpersonal and literacy skills.

Each of the Department of Health SPA faculty members has national clinical certification in speech-language pathology and/or audiology, sign language, deaf counseling and rehabilitation. The varied educational, employment, research and clinical backgrounds of the faculty offer the student medical, rehabilitative, and educational perspectives relating to the diagnosis and treatment *of* communication disorders.

Admission

Admission of students to the Pre-Professional Speech Pathology & Audiology program is determined following admission to the university. It is required that students interested in the SPA program meet the following requirements:

a. High School G.P.A. of 3.3 or better on a 4.0 scale
b. Enhanced ACT composite score of 20 or combined minimum score of 930 on the recentered SAT
c. Satisfactory ACT/SAT math score as defined in the University course catalog
d. Transfer students must meet a G.P.A. of 3.0 or better on a 4.0 scale

Upon acceptance by the university, the student is enrolled in the introductory SPA courses required of all SPA majors:

SPA 150 or SPA 151……3
SPA 152……..…3
SPA 250……3
SPA 252…… 3

Probation

Any student who receives a "D" or lower in more than one of the required SPA courses will be put on probation and required to repeat any of those courses in which the "D" or lower grade was earned.

Student eligibility 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 concerning probation. The student is then required to meet with the Program Director of SPA within ten days of receiving the letter concerning probation.

The grade point average of each SPA student will be reviewed each semester. Full admission is maintained in the Pre-professional Speech Pathology-Audiology (SPA) Program if the student achieves an overall grade point average of 3.00 and above. Admission to a graduate program typically requires an overall grade point average of a 3.5 or higher in the undergraduate major, so a high level of academic performance is strongly encouraged at West Liberty University.

Expulsion/Removal from the SPA Program

Any student who is found to be cheating, plagiarizing, or fabricating any tests, presentations, papers, or assignments will be immediately removed from the SPA program and presented to the School Dean.

Any student receiving a "D" or lower in an SPA course will be required to retake the class. Failure to achieve an "A" or "B" during the repeat of the course will result in expulsion from the SPA program.

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 WLU policies found in the Student Handbook, in addition to the SPA Practicum Handbook. Appropriate appearance and attire is required when participating in clinical practicum or observation experiences. The student is responsible for maintaining a professional attitude and avoiding incompetent and negligent practice at all times. Failure to meet these standards may result in dismissal from the program. Prior to admission into the practicum courses, all students are required to complete and provide proof of a background check, two-step TB test, and a 9-panel drug test. Many external sites will also require vaccination records, which should be available on campus or from a health care provider.

BACHELOR OF SCIENCE
SPEECH PATHOLOGY and AUDIOLOGY (SPA)

I. GENERAL STUDIES Bachelor of Science 46-48
***Requirements: CHEM/MATH**

II. SPEECH PATHOLOGY & AUDIOLOGY COURSES 59
A. Required Core Courses 44
SPA 150 Phonetics 3
SPA 151 Survey of Communication Disorders 3
SPA 152 Introduction to Acoustics 3
SPA 156 Anatomy of Speech & Hearing 4
SPA 250 Language Development 3
SPA 251 Intro to Clinical Practice - Audiology 3
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 316 Language Disorders: Children and Adolescent 3
SPA 355 Aural Rehabilitation 3
SPA 368 SPA Junior Seminar……2
SPA 468 SPA

B. SPA Electives 15
SPA 310 Comm. Problems of Aged 3
SPA 325 Dysphagia……3
SPA 352 Sign Language II 3
SPA 354 Intro to Identif. Audiometry 3
SPA 400 Observation in Education Settings 3
SPA 401 Observation in Education Settings in Health Care Settings 3
SPA 403 Clinical Practicum in Comm. Disorders: Schools 3
SPA 404 Clinical Practicum in Comm. Disorders: Healthcare 3
SPA 415 Augmentative Alternative Comm. 3
SPA 430 Diagnostic Principles and Techniques 3
SPA 452 Advanced Sign Language 3
SPA 455 Prin. of Speech/Language Intervention 3
SPA 478 Special Topics 1-3
SPA 479 Special Problems 1-3

III. PREFERRED ELECTIVES 13
Select electives from the following areas:
- A. Education
- B. Psychology
- C. Statistics
- D. Linguistics
- E. Gerontology
- F. Other General Electives

TOTAL 120

For further information concerning the Speech Pathology & Audiology Program, please visit the website or call 304.336.8108

SCHOOL OF PROFESSIONAL STUDIES

The **School of Professional Studies** (**SPS**) is located at the Highlands Center, just outside Wheeling, West Virginia. Through the SPS, WLU offers a variety of undergraduate and graduate degree programs, Professional Studies courses, and Continuing Education opportunities to serve traditional and non-traditional students. The following pages describe three of WLU's non-traditional undergraduate degree programs.

School of Professional Studies

Thomas A. Michaud, Ph.D., Dean

BACHELOR OF ARTS IN ORGANIZATIONAL LEADERSHIP AND ADMINISTRATION (BLA)

Program Summary:

The Bachelor of Arts in Organizational Leadership and Administration (BLA) is a degree completion program for adult learners (typically age 23 and older) whose opportunities for securing employment and/or career advancement will be enhanced by a Bachelor's Degree.

The BLA's structure and curricular design is modeled on various successful adult degree completion programs from throughout the country, which enable compressed degree completion and emphasize applied learning in leadership within for-profit and non-profit organizations. In a cohort-based fashion, students matriculate through the BLA's 36 upper-level credit hour course sequence, which includes the completion and public presentation of an applied research project.

Students are able to enroll officially in the program only if: 1) they have completed or are completing the 36 hours of General Studies courses, 2) have 60 + total hours of college credit, and 3) have at least a 2.0 grade point average. Students may also be able to receive Prior Learning Assessment (PLA) credit through the submission and evaluation of a portfolio.

From the moment students inquire about the BLA program, they receive close personal academic supervision to help them manage their credit hours so that they can matriculate in the BLA and graduate successfully.

The BLA program embodies and fosters WLU's Core Values in that it stresses: a) a commitment to excellence through continuous improvement of one's leadership capabilities; b) the merits of consistent professionalism; c) teaching and curricular contents that respect the adult learners' experience and needs; and d) the vital importance of leadership with ethics and integrity.

Program Outcomes:

Graduates of the BLA program will:

1. Communicate effectively (oral and written) in organizations using applicable word processing and presentation technologies.
2. Develop a detailed proposal for applied research employing current research software techniques and data analysis.
3. Apply various leadership styles, especially in regard to leading change and creativity in organizations, decision making, conflict resolution and negotiation.
4. Apply the essentials of organizational marketing and finance in relevant project contexts.
5. Apply aspects of business law and human resources administration which pertain to organizational leadership and administration.
6. Display professionalism by incorporating personal and organizational ethics as foundations for successful leadership.

Fees: *

There is no application fee required for admission to the Program.

For Prior Learning Assessment (PLA) portfolios where credit is awarded based on standardized awards, an evaluation fee of $300 will be charged. For faculty-evaluated portfolios, a $10 per-credit-hour posting fee will be added to the initial charge of $300. The fees will be charged whether or not academic credit is awarded. The fees will be charged each time a student requests any subsequent assessments of work not included in the initial appraisal.

Registration, service fees and materials for enrollment in classes will be assessed according to the established fee schedule.

The graduation fee will be that of WLU.

****Fees subject to change.***

BLA Courses:

BLA 300 Intro to Bachelor of Arts in Organizational Leadership & Administration
BLA 302 Perspectives on Leadership
BLA 304 Organizational Communications and Negotiation
BLA 306 Current Theories of Leadership and Management
BLA 308 Organizational Ethics
BLA 310 Leadership in Literature and Film
BLA 400 Marketing for Leaders
BLA 402 Research Methods and Design
BLA 404 Finance for Administrators
BLA 406 Organizational Psychology
BLA 408 Human Resources for Administrators
BLA 410 Legal Issues in Organizational Leadership and Administration
BLA 412 Capstone: Applied Research Project

Degree Requirements:

GENERAL EDUCATION **36**
(Courses in communication, humanities, natural sciences, social sciences, mathematic or computer applications)
COMMUNICATION 6
HUMANITIES 6
NATURAL SCIENCE 6
SOCIAL SCIENCE 6
MATHEMATICAL SCIENCES OR COMPUTER APPLICATIONS 3
GENERAL EDUCATION ELECTIVES 9
UPPER DIVISION HOURS **39**
(Includes 36 hours of BLA courses)
ELECTIVES **45**
TOTAL CREDIT HOURS **120**
MINIMUM GRADE POINT AVERAGE 2.0

WLU may accept a maximum of 72 semester hours from two-year regionally accredited colleges. The remaining 48 hours must be earned at four-year accredited colleges. PLA Portfolio credit may be used to fulfill a portion of these hours.

REGENTS BACHELOR OF ARTS (RBA) DEGREE

Program Summary:

The West Virginia Higher Education Policy Commission, through WLU, is granting the Regents' Bachelor of Arts Degree (RBA). The RBA Degree is a non-traditional program designed for adults interested in obtaining a bachelor's degree.

This adult degree was developed with the belief that adults, both psychologically and socially, are so distinctly different from young people that a program of studies designed for men and women should be based at every point on their maturity.

The Program is of high academic quality and the holder of an RBA degree will have met comparable requirements for the more conventional baccalaureate degree. The difference in the two routes toward obtaining a BA degree is the key to the Program. Credit awarded in the conventional manner may be used in the Program, but college equivalent credit awarded for PLA experience can also count toward the degree.

Students entering the Program will be evaluated on their experience and may create a unique program that suits their needs.

The central principle that underlies the PLA experience process is that what the student knows is more important than how he or she learned it. If a student can demonstrate that his or her knowledge and skills are reasonably comparable to what the college-trained student knows, then equal credit will be awarded.

It is unimportant whether the student's learning took place at an accredited college or elsewhere; whether the instructors held advanced degrees or no degrees at all; whether the matter was learned within the near or distant past; or how long it took to acquire the knowledge or skills. As long as students can provide sufficient evidence that they possess college equivalent knowledge or skills, their achievements will be credited and recognized as applicable towards this degree Program.

RBA Students are permitted to complete a minor, if they wish.

Admission Requirements:

A student is admitted to the Program by submitting the Regents BA Degree admission application to the Coordinator of the RBA Degree at WLU.

Admission to this Program does not provide for admission to other programs at WLU, but rather, provides only for admission to the Regents Bachelor of Arts Degree Program.

Admission to the Program at WLU constitutes admission to any public institution for the purpose of taking courses suitable to the student's background and applicable toward the degree requirements.

Individuals with accredited baccalaureate degrees are excluded from the Regents Degree Program.

A person may not be enrolled simultaneously in the RBA Program and another degree program.

Upon request by an RBA student, transfer between institutions for legitimate reasons may be accomplished by a letter between the degree coordinators of the two institutions.

This Program is not an escape outlet for students who are excluded from regular programs for reasons of poor scholarship. Poor scholarship, however, in early years should not prevent admission of a candidate who has demonstrated the ability to acquire and use knowledge.

Admission to the RBA Program may not occur until four years after the high school graduation date. If the high school diploma was awarded by examination (GED), then admission would occur four years after the graduating high school class.

Courses:

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

Course prerequisites will be handled in the usual manner.

Grading standards for students in this program will be the same as for other students.

All grades of 'F' received four years or more before admission to the program is excluded from the cumulative grade point average.

Transfer Credits:

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

Board of Governors' policies regarding transfer of credits between institutions will apply to students in this Program.

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

Correspondence courses from an accredited institution will be accepted.

Transfer credits will be assessed at the time of evaluation. Requirements may be fulfilled by college-equivalent credit, correspondence courses, transfer credits, or accredited courses taken after enrollment in the Program.

Fees*:

There is no application fee required for admission to the Program.

For portfolios where credit is awarded based on standardized awards, an evaluation fee of $300 will be charged. For faculty-evaluated portfolios, a $10 per-credit-hour posting fee will be added to the initial charge of $300. The fees will be charged each time a student requests any subsequent assessments of work not included in the initial appraisal.

Registration and service fees for enrollment in classes will be assessed according to the established fee schedule.

The graduation fee will be that of WLU.

Fees subject to change.

PLA Portfolios: Portfolios must be submitted early in the semester prior to expected graduation.

Degree Requirements:

GENERAL EDUCATION **36**
(Courses in communication, humanities, natural sciences, social sciences, mathematic or computer applications)
COMMUNICATION 6
HUMANITIES 6
NATURAL SCIENCE..... 6
SOCIAL SCIENCE 6
MATHEMATICAL SCIENCES OR
COMPUTER APPLICATIONS..... 3
GENERAL EDUCATION ELECTIVES 9

UPPER DIVISION HOURS **39**
ELECTIVES **45**
TOTAL CREDIT HOURS **120**
MINIMUM GRADE POINT AVERAGE 2.0

WLU may accept a maximum of 72 semester hours from two-year accredited colleges. The remaining 48 hours must be earned at four-year accredited colleges. Portfolio credit may be used to fulfill a portion of these hours.

Twenty-four (24) semester hours must be completed at a West Virginia public institution in the higher education system. Credit awarded through PLA experiences is not applicable to the 24 credit hours.

Residency Requirement:
A residency requirement of twelve (12) semester hours must be completed at WLU. PLA credit may not be used to fulfill this requirement.

PROFESSIONAL STUDIES COURSES

Professional Studies (PS) courses, which are part of the School of Professional Studies, are designed to cultivate and enrich students' knowledge and skills for and within the workplace. PS courses all have a strong emphasis on professional development in regard to a wide variety of topics, issues, and practical applications relevant to professionalism in the contemporary workplace. PS courses are open to all students. There are no prerequisites. For students in the Regents Bachelor of Arts (RBA), and the Bachelor of Arts in Organizational Leadership and Administration (BLA), programs, PS courses will fulfill designated General Studies requirements. For all other degree programs, PS courses will serve as general electives only. (See PS courses under "***Course Descriptions***" in catalog.)

CONTINUING EDUCATION

The School of Professional Studies (SPS) offers continuing education opportunities for community members who wish to further their skills and knowledge in their professions. The SPS sponsors various programs open to the public in a variety of areas, such as financial planning, resume development, and job searching. The SPS offers non-credit workshops/seminars leading to certificates of completion and workshops/seminars in specific professions leading to Continuing Education Units (CEUs). Customized training programs for non-profit and for-profit organizations are also created and offered. Such programs include: leadership training, organizational ethics training, and for-profit and non-profit organizational board member training.

HONORS COLLEGE

Dr. Shannon Halicki, Dean
Dr. Peter Staffel, Director

The Honors College consists of a community of faculty and students dedicated to intellectual, creative, and moral engagement.

Honors College students understand that intellectual development is inseparable from one's own growth and development as a whole human being. Students work with faculty mentors who facilitate their progress as engaged learners and as contributing members of the Honors College, the wider community, and society.

Good academic standing is a consequence of the engaged values of an Honors College student, not the primary goal. Self-motivated intellectual independence from extrinsic rewards is the distinctive disposition of an Honors College student. Intellectual strengths are essential to academic engagement, but intellectual strengths, by themselves, are not adequate to define the attitude of academic engagement. Honors College students covet the personal experience of fulfillment that comes from encountering new ideas in dialogue with others. They approach scholarly research in a deeply personal manner and seek to find ways to contribute to society.

Coursework

Curricular Requirement

All Honors College scholars must complete a minimum of 21 credit hours of Honors Coursework. The following courses are required:

HON 150 Honors Gateway Seminar 3
.....
At least two HON 378 Special Topic Seminars 6
HON 498 Honors Project (Senior Honors Research project)

The remaining credit hours should come from additional Honors courses or Honors course options.

Other Requirements:

- Regularly participate in Honors College meetings
- Regularly participate in Honors College service projects

Enrichment Activities

The Honors College experience should stimulate cultural and social growth as well as academic. To that end, the staff encourages and enables students to participate independently as well as in groups in "cultural enrichment" activities such as theatre, music, lectures, museums, art galleries, places of historic interest, etc. Every semester the College organizes six to eight off-campus events, usually in the Pittsburgh area, that enable students to experience their first opera or ballet, explore the collection at the Carnegie Museum of Art and Natural History, hear professional writers speak about their craft, admire Frank Lloyd Wright's innovative architectural design at Kentuck Knob, marvel at the musical theatre of CMU or Point Park Conservatory, or wander the battlefield where George Washington suffered his first military defeat at Fort Necessity. Likewise, students can attend similar events on campus or in the immediate area—speakers, musical and theatrical performances, international fairs, etc.

Study Abroad

Honors College scholars have the option to complete a credit-bearing study abroad experience. Students will work with the Honors College Dean and faculty to identify potential study abroad placements. Honors Interdisciplinary Study abroad courses are offered during the summer term. Up to 6 Honors credit hours may be earned by students participating in a summer semester or year-long study abroad program.

HON 498 – Honors Project (Senior Honors Research)

Senior Honors Research (SHR) allows students to complete in-depth research in an area of study enabling the practice of key research techniques. Additionally, public presentation of research in a scholarly manner allows for increased self-confidence and growth in professional dispositions.

Each SHR student works closely with a professor in his/her field of study who serves as the research sponsor and guide throughout the research process. Students present their research results and final paper before a committee in the spring of their senior year. Additionally, both the Honors College and departments within various Colleges on campus assist students with presentations at conferences and opportunities for publication should the student wish to pursue either of those opportunities.

Honors Course Options

An Honors Option is an agreement between an Honors College scholar and a professor that the student will complete an additional or enhanced assignment(s) in a non-Honors course. The Option agreement turns a non-honors course into an honors course for purposes of meeting the Honors College requirements. It also provides honors students the freedom to design a portion of their curriculum. Up to three classes may be taken as Honors Option classes. Honors Options count toward honors elective requirements.

Students may create an Honors Option agreement if ALL of the following criteria have been met:

- It is a WLU course.
- An Honors section of the course is NOT currently being offered as a part of the Honors curriculum.
- The Honors College Dean has approved the option agreement.

Students should schedule an appointment with the faculty member teaching the course in which they wish to do an Honors Option as soon as possible after the course start date. The professor has the discretion to allow the Honors Option to be

done in that course. If approved by the professor, the student must develop an assignment that will be completed during the semester. Possible assignments might include:

- Complete an extra or extended paper or project
- Complete a literature review or annotated bibliography
- Keep an academic journal
- Interview appropriate professionals
- Do a challenging lab experiment
- Create a computer program related to course content
- Apply the principles of the course through documented volunteer service

The Honors Option form must be submitted to the Honors College Dean by the add/drop date each semester. The form may be found on the Honors College web page at http://westliberty.edu/honors-college/.

Honors Seminars and Course Substitutions

Each semester interdisciplinary Honors Seminar courses will be offered in the Honors College. Honors Seminars may substitute for general education courses or advanced electives. In order for an Honors Seminar to substitute for a general education course, the course content must be similar enough to the general education course content that the substitution is valid. Requests for substitutions must be made directly to the Dean of the Honors College. The Dean of the Honors College will contact the course professor and the Dean of the appropriate college to ensure the validity of the substitution. A letter will then be forwarded to the Enrollment Services Center requesting the substitution be made part of the student's official transcript.

G.P.A. and Honors Standing

The academic progress of all Honors students is consistently monitored by the Dean of the Honors College. Progress is evaluated in October, February and again in May.

All Honors College scholars must maintain a G.P.A. of 3.25. Any student falling below 3.25 will be notified in writing.

Students remain active in the Honors College by taking Honors courses, attending Honors meetings, and participating in Honors service projects and enrichment opportunities. Students are encouraged to meet with their academic advisor as well as the Dean of the Honors College to monitor their progress.

Graduating with Honors

Students successfully completing all Honors College requirements will graduate cum honore. This distinction will appear on the official transcript.

ADVANCED ACADEMY OF WEST VIRGINIA

The Advanced Academy of West Virginia is a dual enrollment program for high school juniors and seniors exhibiting a high degree of achievement and potential who are interested in accelerating their academic careers. This early entrance to college program is designed to support talented and motivated students in reaching their academic goals. Academy students are enrolled full-time at WLU and take all of their classes on the main campus. Students are earning college credits while simultaneously fulfilling their high school academic requirements for graduation.

Benefits for Academy students include, but not limited to:

- Opportunity to accelerate the completion of their own particular academic pursuits.
- Ability to complete coursework at levels that reflect their ability and preparation.
- Opportunity to work and study among students who possess similar degrees of scholarly capacity and ambition.
- Opportunity to engage in many intellectual, social, and recreational activities.

Academy students are enrolled in the Honors College at WLU , which is an academic community engaging highly motivated and intellectually advanced students in exceptional experiences. The Honors College students also serve as peer mentors for the Academy students and can be great role models as they aspire to achieve high academic success.

Requirements for Admission:

- Admission by application
- High school transcript
- 3.5 cumulative grade point average (G.P.A.)
- 24 on the ACT or 1170 on the SAT
- Family/Guardian interviews
- A two page (typed and double spaced) essay
- 2 letters of recommendation from principals, teachers or high school guidance counselors

INTERDISCIPLINARY STUDIES

B.A./B.S. in INTERDISCIPLINARY STUDIES

Elizabeth Richter M.A., Program Coordinator

The primary objective of this nontraditional curriculum is to enhance flexibility in academic programming by meeting the personal needs and career aspirations of students interested in pursuing integrated course work drawn from two or more subject areas (disciplines).

Upon completion of their studies, students will be awarded a B.A. or B.S. degree. The designation "Interdisciplinary Studies: (title of concentration area)" will appear on official transcripts.

Admission Requirements:

1. Though exceptions may be made, admission applications should be submitted by students who have completed between one and four semesters of collegiate studies.
2. Persons admitted to the program will be assigned a faculty adviser or advisers to assist in developing their programs of study.

Program Requirements:

1. All programs require the approval of the Interdisciplinary Studies Program Committee.
2. One nonconventional area of concentration of 48 semester hours representing at least two subject areas, 24 of these credits representing upper division course work. A concentration area is any grouping of courses having a clear central purpose and aimed at a specific learning outcome not already available among the major fields offered at WLU.
3. One independent study project of 8 to 12 semester hours in the form of directed research, a performance, an internship, or a combination of several activities undertaken during the junior or senior year.
4. All general education requirements, but participants may gain course equivalent credit by passing appropriate examinations in partial fulfillment of the 120 semester hours (including 40 semester hours of upper division credit) needed for graduation.
5. Clusters of courses in related fields to support and enhance the concentration area whenever possible, though no minor is required.
6. Elective credits, though these may be reduced to accommodate prerequisites or to compensate for deficiencies. Electives may be taken in any area except professional programs with restricted enrollments such as dental hygiene, medical laboratory science, and nursing.

BACHELOR OF ARTS IN INTERDISCIPLINARY STUDIES

General Studies	51-53
Concentration area	48
Project	8-12
General electives and/or prerequisites to equal	120

BACHELOR OF SCIENCE IN INTERDISCIPLINARY STUDIES

General Studies	48
Concentration area	48
Project	8-12
General electives and/or prerequisites to equal	120

COURSE DESCRIPTIONS

ACCOUNTING (ACC)

224. PRINCIPLES OF FINANCIAL ACCOUNTING - 3 hrs. 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 hrs. 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. Pre-req: ACC 224.

278. SPECIAL TOPICS - **1-3 hrs.** 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 Program Director.

302. FINANCIAL ANALYSIS - 3 hrs. Financial analysis common to investment and business financial management; financial and expenditure policies. Pre-req: FIN 300.

303. COMPUTERIZED ACCOUNTING APPLICATIONS -3 hrs.
A primarily hands-on course that provides students with a practical exposure to computerized accounting systems. This course will strengthen the students' understanding of accounting concepts and principles. The focus of this course is to create and implement a computerized accounting system for a business enterprise. Pre-req: ACC 224.

320. MANAGEMENT ACCOUNTING PROCEDURES - 3 hrs. 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). Pre-req: ACC 224.

324. INTERMEDIATE ACCOUNTING I - **3 hrs.** In-depth study of accounting theory and practice with emphasis on asset accounting and ethics. Pre-req: ACC 224.

325. INTERMEDIATE ACCOUNTING II - **3 hrs.** 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. Pre-req: ACC 324.

330. COST ACCOUNTING - 3 hrs. 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. Pre-req: ACC 225.

350. INTERNAL AUDITING - 3 hrs. Internal auditing standards, ethics, concepts, audit techniques and reporting practices. Pre-req: ACC 325.

360. FRAUD EXAMINATION - 3 hrs. In this course, students are introduced to the conduct of fraud examinations, including a discussion of specific procedures used in forensic accounting examinations and the reasoning behind these procedures. Pre-req: ACC 324.

362. FORENSIC ACCOUNTING – 3 hrs. This course will cover forensic accounting techniques related to finding and preventing embezzlement and fraud. Pre-req: ACC 360.

400. ACCOUNTING INFORMATION SYSTEMS - 3 hrs. 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. Pre-req: ACC 325.

402. ADVANCED ACCOUNTING - 3 hrs. 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. Pre-req: ACC 325.

403. GOVERNMENT & NOT-FOR-PROFIT ACCOUNTING – 3 hrs. This course will cover specialized accounting principles related to fund- based accounting used by government bodies and not-for-profit organizations. Pre-req: ACC 324.

420. EXTERNAL AUDITING - **3 hrs.** 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. Pre-req: ACC 324.

425. FEDERAL TAXATION OF INDIVIDUALS - **3 hrs.** 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. Pre-req: ACC 225.

426. FEDERAL TAXATION OF BUSINESS ENTITIES - 3 hrs. Study of tax returns of partnerships, corporations, estates, and trusts and not for profit entities. The ethical considerations of tax return filing and preparation will be stressed. Pre-req: ACC 425

428. STATE AND LOCAL TAXATION – 3 hrs. Students are introduced to state and local tax issues for businesses and individuals. Pre-req: ACC 425.

440. PROFESSIONAL ACCOUNTING REVIEW - 3 hrs. 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. Pre-req: Senior status.

441. COMPUTERIZED ACCOUNTING APPLICATIONS- 3 hrs.
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. Pre-req: ACC 224 and 225.

447. ACCOUNTING ETHICS - 3 hrs. The study of ethics as it relates to accounting. Pre-req: ACC 225.

478. SPECIAL TOPICS - 1-3 hrs. 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 Program Director.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, program director, and college dean.

495. CONTEMPORARY ACCOUNTING PROBLEMS– 1-2 hrs.
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 hrs. 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 hrs. Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

ART (ART)

100. FUNDAMENTALS OF ART - 2 hrs. An introductory course for Elementary Education majors; the exploration of the relationship between visual elements, the aesthetic experience with an introduction to art history. Elementary Education majors only.

104. DRAWING I - 3 hrs. Beginning drawing emphasis on nonfigurative, natural and inanimate forms, skill development in perceptual sensitivity and rendering, using line, tone and modeling; drawing in perspective as applied to nonfigurative, naturalistic and inanimate forms.

110. 2D FOUNDATION DESIGN - 3 hrs. 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 hrs. An introductory survey course in the visual arts emphasizing the development of perceptual and conceptual awareness through an investigation of the nature of art. Significant artists and artworks from western and non-western cultures throughout history are studied to form the basis for a life-long appreciation of the visual arts. Attendance at local and/or regional art exhibitions and museums is required. Meets three times per week.

150. APPRECIATION FOR THE ART MAJOR – 3 hrs. A survey course in the visual arts emphasizing the development of perceptual and conceptual awareness through an investigation of the nature of art. Significant artists and artworks from western and non-western cultures throughout history are studied and issues important to artists will be discussed. Attendance at local and/or regional art exhibitions and museums is required. The completion of a sophomore portfolio will be required of all students. Pre-req: Open to Art Majors only during the spring semester of their sophomore year.

160. 3D FOUNDATION DESIGN - 3 hrs. Exploration of basic three dimensional design concepts directed toward the development of individual aesthetic sensitivity. Should be taken during the freshman year. Pre-req: ART 110.

190. INTRODUCTION TO COMPUTER GRAPHICS -3 hrs. 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 hrs. 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. Pre-req: ART 104.

210. WATERCOLOR PAINTING I - 3 hrs. Investigation of the various water media and their techniques; painting from still life, landscape, and the figure.

215. OIL/ACRYLIC PAINTING I - 3 hrs. Exploration of the techniques an-d materials of the oil/acrylic painting media; painting from still life, landscape, and the figure.

220. CERAMICS I - 3 hrs. Introduction to handformed and wheelthrown ceramics; the use of engobes, stains, and glazes, kiln loading and firing; emphasis on the aesthetic potential of clay.

230. PRINTMAKING I - 3 hrs. Introduction to printmaking; basic surface relief, intaglio and stencil printing methods and techniques.

240. SILK SCREEN PRODUCTION - 3 hrs. Photo silk screen techniques for applications in graphic design and fine art.

244. GRAPHIC DESIGN HISTORY - 3 hrs. History of Graphic Design theory, practice, and philosophy as well as the study of contemporary design.

250. CRAFTS I - 3 hrs. Application of aesthetic principles to the craft areas; emphasis on functional design and craftsmanship. Pre-req: ART 110, 160, or consent of instructor.

260. SCULPTURE I - 3 hrs. 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). Pre-req: ART 160.

278. SPECIAL TOPICS - 1-3 hrs. 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. VISUAL COMMUNICATION DESIGN I - 3 hrs. Principles, aesthetics and mechanics of design are explored as a foundation for graphic design. Pre-req: ART 104, 204, or consent of instructor.

285. PHOTOGRAPHY I - 3 hrs. Introduction to the basic concepts of photography; theory and lab instruction in developing and printing photographs. Students must provide a 35mm single lens reflex (SLR) camera that has manual capabilities.

286. INTRODUCTION TO TYPOGRAPHY - 3 hrs. 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. Pre-req: ART 110 and 190 or 290.

295. UI/UX DESIGN - 3 hrs. Students will gain an understanding of the critical elements of User Experience (UX) design including screen design, storyboarding, prototyping, and data visualization for computers. Students will learn how to design usable, useful, and desirable digital interfaces from a user-centered perspective with the practice of user experience design in web and mobile experiences. Pre-req: ART 110, 190, and 388.

304. DRAWING III - 3 hrs. Intermediate drawing in various drawing media; emphasis on original, creative drawing from life and imagination. Pre-req: ART 204.

310. WATERCOLOR PAINTING II - 3 hrs. Continuation of Watercolor Painting I at an intermediate level. Pre-req: ART 210.

315. OIL/ACRYLIC PAINTING II - 3 hrs. Intermediate painting in various painting media including oils, the acrylics, and other synthetic media. Pre-req: ART 215.

320. CERAMICS II - 3 hrs. 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. Pre-req: ART 220.

330. PRINTMAKING II - 3 hrs. Exploration of the graphic media, relief, intaglio, and planographic; prints as problems in black and white and color. Pre-req: ART 230.

340. HISTORY OF WESTERN ART I - 3 hrs. The history and development of art of Western civilizations from prehistory to the end of the Imperial Roman period.

341. HISTORY OF WESTERN ART II - 3 hrs. 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 hrs. The history and the development of art of Western civilizations from 1750 to present.

343. SURVEY OF NON-WESTERN ART - 3 hrs. 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 hrs. Continuation of ART 250 with increased opportunity for individual development in two or more craft media. Pre-req: ART 250.

360. SCULPTURE II - 3 hrs. 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. Pre-req: ART 260.

370. ART EDUCATION I - 2 hrs. Procedures for teaching art in a self-contained elementary classroom with emphasis on two-dimensional methods and materials. Pre-reqs: EDUC 100 and EDUC 201.

375. CURRICULUM, METHODS AND MATERIALS IN ART (GRADES K-4, 5-8) - 3 hrs. 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. To be taken prior to the Professional Semester. Pre-req: ART 150 and EDUC 301.

376. CURRICULUM, METHODS AND MATERIALS IN ART (GRADES 5-12) - 3 hrs. Philosophies, theories, and goals of art education; curriculum development; classroom organization and management; methods and materials for teaching art in the secondary schools. To be taken prior to Professional Semester. Pre-req: ART 150 and EDUC 301.

379. DIGITAL MEDIA ON MOBILE DEVICES – 3 hrs. A studio course designed to engage student creativity and problem solving by utilizing mobile devices to create images, animations and videos in a studio environment. The goal is to expand image-making abilities, become efficient visual problem solvers, and expand our understanding of digital media. Students are required to supply their own mobile device with the iPad being the preferred tool. Pre-req: ART 110.

380. ILLUSTRATION - 3 hrs. Fundamentals necessary for visual expression of ideas; commercial illustration as well as magazine and book illustration; advanced design and composition. Pre-req: ART 104, 160, 204 or consent of instructor.

383. VISUAL COMMUNICATION DESIGN II - 3 hrs. A continuation of ART 283 with more emphasis on analysis through the mapping of core design elements, principles, devices, and relational elements. Study of grid systems enhances students' layout abilities. Logo and branding development is introduced and explored with both print and web application. Pre-req: ART 190 and 283.

385. PHOTOGRAPHY II - 3 hrs. Advanced study in photography; the aesthetics and syntax of photography, discussion of the various schools of fine art photography. Pre-req: ART 285 or permission of instructor. Students must provide a DSLR camera that has manual capabilities.

386. ADVANCED TYPOGRAPHY - 3 hrs. Advanced study of typography with assignments that define its symbolic and communicative aspects. Incorporates the use of Quarkxpress as a major design tool. Pre-req: ART 286.

388. ADVANCED COMPUTER GRAPHICS - 3 hrs. 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. Pre-req: ART 110 and 190.

389. EDITORIAL LAYOUT - 3 hrs. Advanced study of editorial layout, typography and pre-press production with assignments that challenge students to develop pieces for their portfolios. Pre-req: ART 283, 286.

393. ART EDUCATION ART FOR THE SPECIAL CHILD - 3 hrs. 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 hrs. 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. Pre-req: Juniors and Seniors who have taken ART 110, 288 and 190 or 290.

400. VISUAL COMMUNICATION DESIGN III – 3 hrs. An advanced graphic design course with an emphasis on brand identity development and publication design. Topics include logo and corporate identity development based on interaction with an actual client. This course also examines the design of magazines, brochure, other serial forms of publication as well as advertising collateral. Pre-req: ART 383 & 388.

404. DRAWING IV - 3 hrs. Continuation of Drawing III at an advanced level. Pre-req: ART 304.

410. WATERCOLOR PAINTING III - 3 hrs. Continuation of Watercolor Painting II at an advanced level. Pre-req: ART 210, 310.

415. OIL/ACRYLIC PAINTING III - 3 hrs. Continuation of Oil/Acrylic Painting II at an advanced level. Pre-req: ART 215, 315.

420. CERAMICS III - 3 hrs. Continuation of ART 320 at an advanced level in stoneware, porcelain and raku clay techniques. Pre-req: ART 320.

430. PRINTMAKING III - 3 hrs. Continuation of Printmaking II at an advanced level. Pre-req: ART 330.

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450. CRAFTS III - 3 hrs. Continuation of ART 350 with study of craft media at an advanced level. Pre-req: ART 350.

460. SCULPTURE III - 3 hrs. Continuation of ART 360 at an advanced level with emphasis on individual development of expressive sculptural form. Pre-req: ART 360.

470. ART EDUCATION II - 2 hrs. Procedures for teaching art in a self-contained elementary classroom with emphasis on three dimensional methods and materials. Pre-req: ART 370.

478. SPECIAL TOPICS - 1-3 hrs. 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 hrs. 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 hrs 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. VISUAL COMMUNICATION DESIGN IV - 3 hrs. A continuation of Graphic Design 383 with advanced problems using traditional and computer applications. The course will emphasize the role that the graphic designer plays in the development of graphics within a professional setting. Pre-req: ART 286, 295, 383, 388, and 400. Entry to the class is contingent upon successful completion of a graphic design portfolio review.

484. 3D GRAPHIC DESIGN - 3 hrs. Study in 3D graphic design, package, display and exhibition design. Pre-req: ART 283, 383.

486. SENIOR PROJECT - 3 hrs. Fourth year requirement of graphic design majors. The development of a comprehensive design project from concept to completed form. The student will also assemble completed works into a professional portfolio package for use in an interviewing situation. Pre-req: ART 283, 285, 383, 483.

491. SEMINAR: STUDIO MEDIA - 1-3 hrs. A concentrated studio exploration of a selected medium. Credit hrs to be determined by the instructor. May be repeated under different media.

495. MOTION GRAPHICS - 3 hrs. Advanced explorations into digital motion graphics and special effects for online delivery, video, and standalone artistic installations. Students will storyboard and produce a variety of motion projects ranging from text animations to layered video sequences. Professional motion graphics software will be used for audio and video editing. Pre-req: ART 190 or 290, ART 295, or consent of the instructor.

496. WASHINGTON SEMINAR - 1-3 hrs. 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 hrs. 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 hr. Gallery exhibition required of graphic design, art education comprehensive, art education 512, liberal arts majors in their senior year.

ATHLETIC TRAINING (AT)

100. INTRODUCTION TO ATHLETIC TRAINING - 3 hrs. This course is designed to introduce students to the profession of Athletic Training. Throughout this course, students will learn the history of the profession, information on epidemiology of athletic injuries, pre-participation physical exams, strength training/conditioning, pharmacology, environmental conditions, protective devices, emergency care and nutrition. After completing this course the students should have the basic knowledge of the profession of athletic training. Requires 30 hours of observation in the Athletic Training Room. Successful completion of this course with a minimum grade of "B" is required for admission into the athletic training program.

115. KINESIOLOGY FOR ATHLETIC TRAINING – 3 hrs. This course is designed to educate the students about the musculoskeletal anatomy most relevant to the profession of athletic training. It focuses on a systematic approach utilizing the body in sections and mainly focusing on the extremities. Not only is muscle identification the main focus of discussion, but more importantly the specific origin, insertion, and nerve innervation of muscles in the extremities. Successful completion with a grade of C or better is required for admission into the athletic training program. Pre-req: grade of B or better in AT 100.

200. ATHLETIC TRAINING CLINICAL PRACTICUM I - 1 hr. This clinical rotation allows for the sophomore level student to gain experience in the profession of Athletic Training outside of the classroom and in the clinical setting. Under the supervision of a preceptor, the student will be challenged to transfer knowledge learned didactically and apply it in the clinical setting. Students will be expected to begin to understand and demonstrate the knowledge and skills identified in the Standards as designated by the CAATE (Commission on Accreditation of Athletic Training Education) and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. A minimum of 75 clinical hours is required and a minimum grade of C. Pre-req: minimum grade of B in AT 100; minimum grade of C in AT 115.

205. ATHLETIC TRAINING CLINICAL PRACTICUM II - 1 hr.
This clinical rotation allows for the sophomore level student to gain experience in the profession of Athletic Training outside of the classroom and in the clinical setting. Under the supervision of a preceptor, the student will be challenged to transfer knowledge learned didactically and apply it in the clinical setting as well as build on current information learned in the first clinical practicum. Students will be expected to begin to understand and demonstrate the knowledge and skills identified in the Standards as designated by the CAATE (Commission on Accreditation of Athletic Training Education) and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. A minimum of 75 clinical hours is required. Pre-req: minimum grade of C in AT 200.

220. ATHLETIC TRAINING TAPING AND BRACING - 3 hrs.
An overview of bandaging, taping and bracing that would be expected from an entry-level athletic trainer. The course covering the basic components of the afore mentioned categories and relate them to different body parts and pathologies that would need taping and bracing. Students will learn concepts didactically and need to demonstrate those techniques on each other in a lab setting. Pre-req: minimum grade of B in AT 100; minimum grade of C in AT 115.

225. THERAPEUTIC MODALITIES - 3 hrs. This class is designed to provide an introduction to the use of therapeutic modalities and their application for athletic injuries. Students will learn about the injury response cycle and healing process and how to incorporate modalities to these processes. Not only how modalities work, but the physiology behind their therapeutic effects will be discussed. Students will become proficient as far as application, electrode placement, patient set-up and machine parameters in most forms of modalities used today. Pre-req: minimum grade of C in AT 220.

300. ATHLETIC TRAINING CLINICAL PRACTICUM III - 2 hrs.
Building on the first year of clinical experiences, students will continue to be challenged to transfer knowledge gained in the classroom and apply it in the clinical settings. Under the supervision of a preceptor, the students will be expected to demonstrate the knowledge and skills identified in the Standards as designated by the CAATE (Commission on Accreditation of Athletic Training Education) and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. A minimum of 150 clinical hours is required to earn credit for the class. Pre-req: Minimum grade of C in AT 205.

305. ATHLETIC TRAINING CLINICAL PRACTICUM IV - 2 hrs.
Building on the first year of clinical experiences, students will continue to be challenged to transfer knowledge gained in the classroom and apply it in the clinical settings. Under the supervision of a preceptor, the students will be expected to demonstrate the knowledge and skills identified in the Standards as designated by the CAATE (Commission on Accreditation of Athletic Training Education) and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. A minimum of 150 clinical

hours is required to earn credit for the class. Pre-req: A minimum grade of C in AT 300.

330. REHABILITATION OF LOWER EXTREMITY ATHLETIC INJURIES – 3 hrs. This course is designed to educate the student in the rehabilitative aspects of patient care. Therapeutic exercise, strength training, range of motion exercises, aquatic therapy and other rehab techniques specific to the lower extremity and trunk are focused on in this class. Pre-req: A minimum grade of C in AT 225.

335. REHABILITATION OF UPPER EXTREMITY ATHLETIC INJURIES – 3 hrs. This course is designed to educate the student in the rehabilitative aspects of patient care. Therapeutic exercise, strength training, range of motion exercises, aquatic therapy and other rehab techniques specific to the upper extremity and cervical spine are focused on in this class. Pre-req: A minimum grade of C in AT 330.

340. ORTHOPEDIC ASSESSMENT OF THE LOWER BODY – 3 hrs. This course concentrates on the evaluation techniques and special tests needed for the proper diagnosis of orthopedic injuries. The class deals with the lower extremity and trunk. Students will become efficient in the necessary skills and hands on techniques athletic trainers utilize to evaluate orthopedic injuries. The students will also learn to determine when referrals and further care is indicated. A strong knowledge of anatomy is needed for this class. Pre-req: Minimum grade of C in AT 225.

345. ORTHOPEDIC ASSESSMENT OF THE UPPER BODY – 3 hrs. This course concentrates on the evaluation techniques and special tests needed for the proper diagnosis of orthopedic injuries. The class deals with the upper extremity and cervical region. Students will become efficient in the necessary skills and hands on techniques athletic trainers utilize to evaluate orthopedic injuries. The students will also learn to determine when referrals and further care is indicated. A strong knowledge of anatomy is needed for this class. Pre-req: A minimum grade of C in AT 340.

355. GENERAL MEDICAL CONDITIONS IN ATHLETIC TRAINING - 3 hrs. The course is designed to provide the Athletic Training Student with the knowledge and the skills of recognition, management and referral of otherwise less common pathologies that may be seen in the field of athletic training. It discusses disorders and pathologies of the body using a systematic approach by utilizing the body systems as a guide. The student will be educated in a wide range of conditions that could occur with any physically active person at any time Pre-req: minimum grade of C in AT 330 and 340.

400. ATHLETIC TRAINING CLINICAL PRACTICUM V - 2 hrs. Senior level students will now have four semesters of clinical practicum cohort entering their final year of the program. The students will continue to be challenged to transfer knowledge gained in the classroom and apply it in the clinical settings. Under the supervision of a preceptor, the students will be expected to demonstrate the knowledge and skills identified in the Standards as designated by the CAATE (Commission on Accreditation of Athletic Training Education) and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. At the senior level it is to be expected the student will be polishing the skills of a successful clinician such as evaluation skills, critical thinking and problem solving, exercise and rehabilitation prescriptions and appropriate decision making when diagnosing injuries and choosing modalities for treatment plans. A minimum of 150 clinical hours is required. Pre-req: Minimum grade of C in AT 305.

405. ATHLETIC TRAINING CLINICAL PRACTICUM VI - 2 hrs. Senior level students will now have four semesters of clinical practicum cohort entering their final year of the program. The students will continue to be challenged to transfer knowledge gained in the classroom and apply it in the clinical settings. Under the supervision of a preceptor, the students will be expected to demonstrate the knowledge and skills identified in the Standards as designated by the CAATE (Commission on Accreditation of Athletic Training Education) and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. At the senior level it is to be expected the student will be polishing the skills of a successful clinician such as evaluation skills, critical thinking and problem solving, exercise and rehabilitation prescriptions and appropriate decision making when diagnosing injuries and choosing modalities for treatment plans. A minimum of 150 clinical hours is required to earn credit for the class. Pre-req: Minimum grade of C in AT 400.

410. SEMINAR IN ATHLETIC TRAINING – 2 hrs. This class will deal with discussions on contemporary issues in Athletic Training including current research and implications and technological advances. Evidence-Based Medicine and research, research design is emphasized in this class. Pre-req: Minimum grade of C in AT 335, 345, and 355.

420. ATHLETIC TRAINING- A PROBLEM BASED APPROACH I – 3 hrs. This senior level course is intended to challenge the students to become critical thinkers and problem solvers. Using a case-based scenario, students are in small groups and forced to identify, research and discuss relevant topics related to a specific case or topic. The students take learning into their own hands, as the instructor is merely a facilitator in discussion. A very challenging learning style and much different from the traditional styles of learning this course aims to review all topics that students have learned over the previous semesters and forces them to problem solve and apply knowledge. Pre-requisites: Minimum grade of C in AT 335, 345, and 355.

425. ATHLETIC TRAINING-A PROBLEM BASED APPROACH II – 3 hrs. This senior level course is intended to challenge the students to become critical thinkers and problem solvers. Using a case-based scenario, students are in small groups and forced to identify, research and discuss relevant topics related to a specific case or topic. The students take learning into their own hands, as the instructor is merely a facilitator in discussion. A very challenging learning style and much different from the traditional styles of learning this course aims to review all topics that students have learned over the previous semesters and forces them to problem solve and apply knowledge. The second level class deals with more involved patients. Pre-req: Minimum grade of C in AT 410 and 420.

435. ADMINISTRATIVE ASPECTS OF ATHLETIC TRAINING – 2 hrs. This class focuses on an introduction to organizational and administrative aspects in athletic training. Topics include athletic training room facility design, medical record keeping procedures, personnel and program management, budget planning, drug testing, and legal aspects and other various topics dealing with professional issues. Pre-req: Minimum grade of C in AT 410 and 420.

445. ATHLETIC TRAINING CAPSTONE – 3 hrs. Designed for second semester students in Athletic Training. Will emphasize preparing for the national board exam. This will be a comprehensive review of all topics in AT as deemed relevant according to the CAATE standards set forth. Students will practice test taking skills, self-evaluation study techniques and learn how to apply and register to take the BOC exam. Pre-req: Minimum grade of C in AT 410 and 420.

BACHELOR OF ORGANIZATIONAL LEADERSHIP AND ADMINISTRATION (BLA)

The following BLA courses are restricted to students enrolled in the BLA Program.

300. INTRODUCTION TO THE BACHELOR OF ORGANIZATIONAL LEADERSHIP AND ADMINISTRATION (BLA) PROGRAM – 1 hr. These sessions introduce participants to the BLA program by providing overviews and explanations of the program's mission, goals and outcomes, the curricular contents, class preparation expectations, the types of assignments, the grade evaluation criteria, and the applied research project. These sessions will also introduce students to the basics of technologies available and useful for the program. These sessions will include the administration of early program assessment instruments; those are assessment instruments which will aim to measure

participants' progress in regard to a specific program outcome at the beginning and the end of the program. Finally, participants will complete and discuss a Kiersey self-assessment examination.

302. PERSPECTIVES ON LEADERSHIP – 3 hrs. This course exposes participants to some major historical perspectives on leadership. In addition it examines: the differences between leadership and management, why leadership is an art, leadership motivation, and the importance of creativity and change. Assignments for this course include the development of a leadership definition, by each student, that integrates aspects of the course contents, and a change/creativity audit. Pre-req: BLA 300.

304. ORGANIZATIONAL COMMUNICATION AND NEGOTIATION – 3 hrs. In this course, students learn how to become effective oral and written communicators and negotiators in organizational settings. Communication theories are examined and discussed as the basis for understanding the dynamics of the communication and negotiation processes. Students apply these concepts as they develop skills in oral presentation, negotiation, and in writing composition in regard to writing letters, memoranda, e-mails and reports. A major course assignment is an individual oral presentation in which students use presentation management technology that is appropriate to tasks that leaders typically perform in organizations. Pre-req: BLA 302.

306. CURRENT THEORIES OF LEADERSHIP AND MANAGEMENT – 3 hrs. This course examines major current theories of leadership. Emphasis is additionally placed on leading change, morale building, and personality self-assessment for improving leadership. Pre-req: BLA 304.

308. ORGANIZATIONAL ETHICS – 3 hrs. This course focuses on the ethical challenges and issues that face individuals at all levels within an organization. Students become familiar with types of organizational ethics policies and codes, and ways in which the ethics culture of an organization develops. A model for ethical decision making is presented, which is applied in numerous types of exercises and case studies. Case studies and case analyses are also created by students through which they address actual ethical situations from their experiences in organizations. Pre-req: BLA 306.

310. LEADERSHIP IN LITERATURE AND FILM – 3 hrs. Through studying works from various literary genres [e.g., biography, essay, novel, novella, play (tragedy or comedy), short story, and poetry] and viewing film, this course will examine the lives, representations, or portrayals of leaders. Students will practice decision making by assessing the leadership in the literary work(s) and film according to leadership theories and their own definition of leadership. Pre-req: BLA 308.

400. MARKETING FOR LEADERS – 3 hrs. This course studies basic principles of and important strategies for marketing in for-profit and non-profit organizations. Emphases are placed upon examining 1) the role of marketing in creating and delivering the value proposition, and 2) how marketing fits into an organizational structure. A major assignment in this course is for the students to develop a management/administrative plan for marketing a particular project or program within an organization. Pre-req: BLA 310.

402. RESEARCH METHODS AND DESIGN – 3 hrs. Students examine key concepts of research design, methods of data collection and data analysis. They are familiarized with the fundamentals of writing a clear research question, literature review, hypothesis formation, sampling techniques, developing questionnaires, interviewing, and designing tables and graphs. They also learn to use appropriate research technologies, which can be applied to their work in organizational situations. A major outcome of this course is that students will complete a proposal and a detailed research plan for their applied research projects. Pre-req: BLA 400.

404. FINANCE FOR ADMINISTRATORS – 3 hrs. Students investigate the financial concepts and principles necessary to be fiscally competent and responsible leaders and administrators in organizations. They are provided with a working knowledge of essential concepts, techniques, and technologies that are used in understanding and administering the finances of organizations. Sound decision making in the application of those concepts, techniques, and technologies for effective organizational leadership is a principal emphasis. Pre-req: BLA 402.

406. ORGANIZATIONAL PSYCHOLOGY – 3 hrs. This course familiarizes students with the application of the principles and methods of the science of behavior and mental processes to people at work. Topics include motivational theory, the role of organizational vision and mission statements, performance appraisals, conflict resolution, job satisfaction, employee safety and health, and various human relations issues in organizational administration. Pre-req: BLA 404.

408. HUMAN RESOURCES FOR ADMINISTRATORS – 3 hrs. Students are provided with a basic understanding of policies and practices in personnel administration in organizations, such as job analysis, selection of employees, placement, training, compensation and benefits, employee services, and labor relations. In addition, emphasis is placed on the role that human resources has in the strategic planning and implementation process in an organization. Pre-req: BLA 406.

410. LEGAL ISSUES IN ORGANIZATIONAL LEADERSHIP AND ADMINISTRATION – 3 hrs. This course explores the fundamental principles of law pertinent to for-profit and non-profit organizations. Besides the general administration of business and non-profit law, specific topics include property, intellectual property, torts, contracts, insurance, agency, negotiable instruments, business organizations, security relations, and trade regulations. Students practice decision making by applying relevant laws and principles to analyses of cases. Pre-req: BLA 403.

412. CAPSTONE: APPLIED RESEARCH PROJECT – 2 hrs. Students' applied research projects are completed with the close guidance of a director. The culmination of their work is a public presentation of their project. Pre-req: BLA 410.

BIOLOGY (BIO)

105. LIFE SCIENCES FOR THE NON-MAJOR - 3 hrs. A survey course designed for the non-science major. Major emphasis on basic biological concepts such as characteristics of life, mitosis, meiosis, cells and genetics; the higher plants (angiosperms); and the human organ systems. Concurrent enrollment in BIO106 required unless previously passed.

106. LIFE SCIENCES FOR THE NON-MAJOR LABORATORY - 1 hr. Designed to expose the non-science major to laboratory techniques and methodologies. Emphasis will be placed on gathering laboratory data, basic biological concepts, higher plants, and the major human systems. One two-hour laboratory per week. Must enroll in both BIO 105 and BIO 106 concurrently unless BIO 105 has already been passed.

124. BIOLOGICAL PRINCIPLES – 3 hrs. Foundation course for most of the advanced courses in biology. Topics include, but are not limited to, characteristics of life, fundamental chemistry principles, macromolecules and their biochemistry, enzymes and energetics, metabolism, photosynthesis, cell structure/function, transport mechanisms, cell replication (mitosis and meiosis), Mendelian genetics, DNA replication, transcription, and translation. Primarily for majors and minors in biology, majors in biology or chemistry teacher education, students in pre-professional majors, and students in the health science professions. Three hours of lecture per week. Co-req: BIO 125.

125. BIOLOGICAL PRINCIPLES LABORATORY - 1 hr. Emphasizes concepts and principles of biology through problem solving activities and experiments. One two-hour laboratory per week. Co-req: BIO 124.

140. LIFE SCIENCES I FOR ELEMENTARY TEACHERS - 3 hrs. This is a lecture course dealing with the life science content found within elementary school curriculum. Topics include the structure and function of living systems, reproduction, and heredity. Three hours of lecture per week. Open only to Elementary Education K-6 students. This course is to be taken prior to BIO 340: Life Sciences II for Elementary and 5-9.

180. PRINCIPLES OF ZOO SCIENCE – 3 hrs. Foundation course for students participating in the Zoo Science and Applied Conservation

major. Emphasis is placed on fundamentals of zoo and aquarium management, primary biological taxa managed zoos, and an introduction to aspects of zoo animal behavior, nutrition, veterinary medicine, and conservation programs. Three hours of lecture per week. Restricted to students in Zoo Science and Applied Conservation major.

200. BIOLOGY OF PLANTS (BOTANY) - 4 hrs. 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. Pre-req: BIO 124 and BIO 125.

202. BIOLOGY OF ANIMALS (ZOOLOGY) - 3 hrs. Development, morphology, diversity and phylogeny of the major animal phyla. Three lectures per week. Primarily for biology majors and minors, majors in biology teacher education, and students in pre-professional programs. Must be taken concurrently with BIO 203. Pre-req: BIO 124 and BIO 125.

203. BIOLOGY OF ANIMALS (ZOOLOGY) LAB – 1 hr. Laboratory studies of animal phyla. One two-hour laboratory weekly. Must be taken concurrently with BIO 202. Pre-req: BIO 124 and BIO 125.

204. ANATOMY AND PHYSIOLOGY FOR DENTAL HYGIENE – 3 hrs. A one semester Human Anatomy and Physiology course covering all major body systems. Topics include integumentary, skeletal, muscular, nervous, endocrine, digestive, excretory, respiratory, cardiovascular, and reproductive systems. Must be taken concurrently with BIO 205. For Dental Hygiene majors only.

205. ANATOMY AND PHYSIOLOGY FOR DENTAL HYGIENE LAB – 1 hr. A one semester Human Anatomy and Physiology lab course covering all major body systems. Experiments, dissections, and demonstrations will cover tissues, integumentary, skeletal, muscular, nervous, endocrine, digestive, excretory, respiratory, cardiovascular, and reproductive systems. Must be taken concurrently with BIO 204. For Dental Hygiene majors only.

206. BIOLOGICAL ANTHROPOLOGY – 3 hrs. This course concentrates on the principles of human genetic heredity, systematics, ape/hominid anatomy and evolution, human migrations, the human genome and genomics, and selection in the human genome, and genome-wide association (GWA) studies on human diseases. Three lectures per week. Includes solving problems, quizzes (in class and online), and exams. Pre-req: BIO 124/125.

207. FUNDS OF ECOLOGY/BIODIVERSITY – 3 hrs. Central tenets of evolution and macroevolution, systematics, species concepts, basic ecology and cycles, Mendelian genetics, basic phylogenetics, and overview of prokaryotes and eukaryotes including bacteria, archaea, plants, fungi, algae, invertebrates, and chordates; fundamental concepts of developmental biology. Primarily for majors in EEOB, ESEE, Zoo Sciences, and General Biology; other biology majors may take courses as an elective. Three hours of lecture plus a two hour active study component per week. Pre-req: BIO 124.

208. FOUND. CELL & MOLECULAR BIO – 3 hrs. Continues building foundational content at the major's level including biochemistry of macromolecules, enzyme kinetics and thermodynamics, metabolism, and molecular biology of DNA replication, transcription, translation, mutation, and mutation repair, cell cycle, mitosis, and meiosis, heredity, cell structure/function, and signal transduction/communication. Three hours of lecture plus a two hour active study session per week. Pre-req: BIO 124.

210. ESSENTIALS OF BIOMEDICAL TERMINOLOGY - 3 hrs. 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 hrs. Fundamental structure and function of the human body, emphasizing the physiology of the major systems. Three lectures and one three-hour laboratory per week. Primarily for students in the health professions. Restricted to students with majors in the College of Sciences.

214. ANATOMY AND PHYSIOLOGY II – 2 hrs. 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. Restricted to students with majors in the College of Sciences.

216. MICROBIOLOGY - 3 hrs. 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. Restricted to students with majors in the College of Sciences.

220. SCIENTIFIC METHODOLOGIES - 1 hr. A techniques-oriented course designed to give students the foundation to succeed in all scientific disciplines. Students learn dilutions, pipetting techniques, solution preparation, and proper us of laboratory equipment.

221. BIOLOGICAL STATISTICS AND EXPERIMENTAL DESIGN - 3 hrs. This course emphasizes concepts and principles of biological statistics and data analysis with online learning modules and one two-hour (in-person) laboratory per week for practical experience. Students will learn the basic concepts of experimental design and analysis of biological data. In addition, they will demonstrate a confidence with the use of statistical methods when confronted with: biological problems, experimental results, observational studies, or experimental design. A laptop computer is strongly recommended. Pre-req: BIO 124/125.

224. FIELD NATURAL HISTORY - 3 hrs. This course will focus on the flora and fauna of the Appalachian region, with an emphasis on the natural history and life histories utilized by organisms of this ecoregion. Emphasis will be placed on elucidating macroevolution mechanisms that resulted in the elevated biodiversity rates observed in eastern North America, and learning proper usage of field guides and natural history data recording. Environmental and cultural issues that limit the regions natural history will be discussed. Class will include readings, videos, lectures, and field excursions to local and distant regions of the Appalachian Mountains.

225. TERRESTRIAL ECOLOGICAL HABITATS AND BIOLOGICAL DIVERSITY - 3 hr. 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. Pre-req: BIO 124, 125, 200 and 202.

226. MARINE ECOLOGICAL HABITATS AND BIOLOGICAL DIVERSITY - 1-3 hrs. A traveling and camping course to a marine environment. Students study and sample characteristic species of marine habitats and the ecological factors that organize them into communities and ecosystems. Conservation biology issues are discussed. Students will receive instruction and become certified in scuba diving as part of this course, prior to the field experience in a marine environment. Pre-req: BIO 124, 125, 200 and 202.

235. INTRODUCTION TO ENVIRONMENTAL POLICIES AND ISSUES – 3 hrs. Survey of major environmental laws and their scientific basis and policy implementation. Includes issues in hazardous materials, toxicology, microbiological regulation, endangered species, water and air quality, habitat protection and mitigation, and wildlife management policy. The course emphasizes case study and seminar formats and outside critical reading and writing assignments.

278. SPECIAL TOPICS IN BIOLOGY I – 1-3 hrs. A special course category for contemporary topics in the general field of the biological sciences. Students should consult the schedule to ascertain what topics are currently being presented, and are encouraged to recommend to the department chairperson any topics of interest to them.

280. ZOO EDUCATION – 3 hrs. - Introduction of the central issues and standards in theory and practice of learning relevant to educational programs and visitor experiences in a zoo setting. Theoretical concepts and approaches to zoo pedagogy will be explored. Practical examples and actual projects will provide students with applicable real-life experiences, which they can use in their zoo-pedagogical work with lifelong learners of all ages. Restricted to students in the Zoo Science and Applied Conservation major. Pre-req: BIO 180.

302. HUMAN ANATOMY AND PHYSIOLOGY I - 3 hrs. The first of two courses in detailed study of the structure and function of the human body. Emphasis will be placed on systemic anatomy in addition to basic biochemical processes and homeostatic mechanisms of the integumentary, muscular, skeletal, nervous, and endocrine systems. BIO 303 (A&P I Lab) must be taken concurrently. BIO 302 is designed for biology majors and minors, biology education majors, and pre-professional students. Students must have sophomore standing for this course. Pre-req: BIO 124, and 125, CHEM 110, 111.

303. HUMAN ANATOMY AND PHYSIOLOGY I LAB – 1 hr. This laboratory class consists of exercises, experiments and demonstrations on topics covered in BIO 302. This lab must be taken concurrently with BIO 302. Students must have sophomore standing for this course. Pre-req: BIO 124 and 125, CHEM 110, 111.

306. BIOTECHNOLOGY I – 3 hrs. Two-part course designed to teach techniques and use of instrumentation common to basic biotechnology laboratories. Topics include recombinant DNA technology, gene expression analysis, and protein quantification, detection, and purification. Pre-req: BIO 124, 125; CHEM 112, 113.

307. PLANT TISSUE CULTURE – 2 hrs. 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. Pre-req: BIO 124 and 125.

308. ANIMAL TISSUE CULTURE - 2 hrs. 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. Pre-req: BIO 124 and 125.

317. PRINCIPLES OF IMMUNOLOGY - 3 hrs. 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. Three-hour lecture per week. Primarily for students in 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. Pre-req: BIO 124, 125, 208, BIO 216 or 325.

320. CURRENT TOPICS IN BIOTECHNOLOGY – 1 hrs. 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 hrs. Two-part course designed to teach techniques and use of instrumentation common to basic biotechnology laboratories. Topics include recombinant DNA technology, gene expression analysis, and protein quantification, detection, and purification. Pre-req: BIO 306.

325. GENERAL MICROBIOLOGY - 3 hrs. Lecture course covering morphology,, physiology, genetics, and functions of microorganisms and their relationships to humans. Three hours of lecture per week Primarily for students in the microbiology and other biology majors including all medically-oriented biology majors, biology minors, majors in biology education 9-adult, and advanced students in the health professions. Co-req: BIO 326. Pre-req: BIO 124, 125, 207 or 208, CHEM 112, 113.

326. GENERAL MICROBIOLOGY LABORATORY – 1 hr. Laboratory to accompany BIO 325 General Microbiology focusing on morphology and characteristics/functions of microorganisms. Methods of culturing and identifying microorganisms as well as techniques for analyzing samples for microorganisms and their products will be covered. One three-hour laboratory per week. Primarily, for students in the microbiology and other biology majors including all medically-oriented biology majors, biology minors, majors in biology education 9-adult, and advanced students in the health professions. Co-req: BIO 325. Pre-req: BIO 124, 125, 207 or 208, CHEM 112, 113.

327. MICROBIAL PHYSIOLOGY – 3 hrs. 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 hours of lecture 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. Pre-req: BIO 325.

328. HUMAN ANATOMY AND PHYSIOLOGY II - 3 hrs. A course covering the detailed structure and function of major organ systems in the human body. This course will cover those systems not covered in BIO 302, typically digestive, endocrine, reproductive, respiratory, immune, lymphatic, and excretory. BIO 334 must be taken concurrently. Three lectures per week. Students must have sophomore standing for this course. Pre-req: BIO 124, 125, 302, and 303, CHEM 110, 111.

329. APPLIED MICROBIOLOGY - 4 hrs. 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. Pre-req: BIO 325.

330. FUNDAMENTALS OF NUTRITION - 3 hrs. 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. Pre-req: Students are expected to have a minimum biology background equivalent to BIO 105.

331. PLANT TAXONOMY (SYSTEMATIC BOTANY) - 4 hrs. 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. re-req: BIO 124, 125, 200, & 207.

334. HUMAN ANATOMY AND PHYSIOLOGY II LAB – 1 hr. This laboratory class consists of exercises, experiments and demonstrations on topics covered in BIO 302. This lab must be taken concurrently with BIO 328. Students must have sophomore standing for this course. Pre-req: BIO 124,125, 302, and 303, CHEM 110, 111.

335. ARTHROPOD DIVERSITY - 4 hrs. 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 sites. Three hours of lecture and one three-hour laboratory per week, and weekend field trips. Prerequisites: BIO 124, 125, 202, & 207.

338. MEDICINAL BOTANY - 3 hrs. Historical, biological, and chemical aspects of how plants have been used and are used in medicine. The topics will include history of major world regions, antiquity to present day, well-known prescription drugs, and modern herb use. Pre-req: BIO 200 or 302.

340. LIFE SCIENCES II FOR ELEMENTARY AND 5-9 - 4 hrs. This is an integrated lecture-laboratory course dealing with the life science content found within elementary school curriculum. Topics include populations, ecosystems, diversity and adaptations of organisms. Open only to Elementary K-6 and General Science 5-9 Specialization students. Three hours of lecture and two hours of laboratory per week. Pre-requisites: BIO 140 (for Elementary K-6)or BIO 124 (for General Science 5-9 Specialization); Co-requisite: BIO 340 Lab.

341. ANIMAL BEHAVIOR – 3 hrs. Examines animal behavior from a physiological, ecological, and evolutionary perspective. Topics include physiological mechanisms of behavior (neurobiology and endocrinology), social organization, mating systems and sexual selection, parental care, communication, foraging strategies, predator-prey interactions, aggression, and animal learning. Three lectures per week. Pre-req: BIO 124, 200, 202, 203.

343. VERTEBRATE ZOOLOGY – 4 hrs. Emphasizes the taxonomy, comparative morphology, life history, and conservation of vertebrates, particularly tetrapods. Laboratory work will focus on comparative morphology, taxonomy, and field trips. Three hours lecture and one three hour lab per week. Prerequisites: BIO 124, 202, and 207 or 208.

346. MYCOLOGY – 3 hrs. The course will include a general review of the organisms classically considered to be fungi. The topics will include characteristics, subgroups, ecology and how they affect us. Three hours of lecture per week. Prerequisites: BIO 124, 125, 200 and 202.

350. DEVELOPMENTAL BIOLOGY - 3 hrs. Animal reproduction and development, with emphasis on vertebrates; includes reproductive systems, cell division, germ cell formation, fertilization, normal and abnormal differentiation, experimental embryology, microscopic and macroscopic development of organisms, with emphasis on the frog, chick and fetal pig. Three hours of lecture and one hour of laboratory per week. May be offered upon student request. Pre-req: BIO 124, 125, 202, and 207 or 208.

356. PARASITOLOGY – 4 hrs. Parasitic protozoa, flatworms, roundworms, and arthropods of medical importance, with emphasis on recognition and identification of human parasites. Laboratory studies of parasites, with emphasis on recognition and disease relationships. Three hours of lecture and one three-hour laboratory per week. For biology majors and minors, majors in biology teacher education, students in pre-professional programs, and advanced students in the health professions. Pre-req: BIO 124, 125, and 207 or 208.

360. DRUGS, BRAIN, & BEHAVIOR – 3 hrs. Introduction to neuroscience and pharmacology of the central nervous system through understanding the effects of various substances on brain function. Focus will be the biological mechanisms through which psychoactive drugs produce changes in behavior. Course content will include commonly abused drugs, current theories of addiction, and mechanisms of drugs used to create psychiatric disorders. Primarily for biology majors and minors, students in pre-professional programs and advances students in the health professions.

380. ZOO ORNITHOLOGY – 4 hrs. Taxonomic review of birds with an emphasis on natural history, evolutionary history, and identification of these animal groups. Special emphasis will be placed on discussing avian captive management strategies, as well as avian conservation efforts in both zoo and wild settings. Three one-hour lectures, and one three-hour laboratory per week. Restricted to students in Zoo Science and Applied Conservation major. Pre-req: BIO 180, BIO 202, BIO 203, and BIO 207.

382. ZOO HERPETOLOGY – 4 hrs. Taxonomic review of extinct and extant amphibians and reptiles with an emphasis on natural history, evolutionary history, and identification of these animal groups. Special emphasis will be placed on discussing reptile and amphibian captive management strategies, as well as reptile and amphibian conservation efforts in both zoo and wild settings. Three hours of lecture and one three-hour laboratory per week. Restricted to students in Zoo Science and Applied Conservation major. Pre-req: BIO 180, BIO 202, BIO 203, BIO 207.

384. ZOO MAMMALOGY – 4 hrs. Taxonomic review of mammals with an emphasis on natural history, evolutionary history, and identification of these animal groups. Special emphasis will be placed on discussing mammalian captive management strategies, as well as mammalian conservation efforts in both zoo and wild settings. Three hours of lecture and one three-hour laboratory per week. Restricted to students in Zoo Science and Applied Conservation major. Pre-req: BIO 180, BIO 202, BIO 203, BIO 207.

386. APPLIED CONSERVATION – 4 hrs. The study of conservation biology is often plagued with the gloom and doom associated with the biodiversity loss, species extinctions, and habitat destruction, but this course will highlight the success stories in conservation. Case studies will range from species-specific to ecosystem level conservation and particular attention will be given to theoretical and empirical research. Scheduled field trips and workshops will introduce students to real-world conservation programs and personnel. Additionally, students will have the opportunity to design their own conservation plan for an imperiled species or ecosystem. Three hours of lecture and a three hour laboratory per week. Restricted to Zoo Science and Applied Conservation majors. Pre-req: Bio 180, 202, & 203.

401. GENETICS - 4 hrs. Principles of gene transmission in individuals and populations. Includes cytogenetics, mendelian, population, and evolutionary genetics. Three hours of lecture and one three-hour laboratory per week. Pre-req: BIO 202, 207 or 208; CHEM 110, 111, 112, and 113; MATH 160 or BIO 221.

404. GENERAL ECOLOGY – 3 hrs. Study of the interrelationships of plants and animals and their environment, structure of communities, food webs, nutrient cycles, and relationships within and among populations. Three hours of lecture per week. Must be taken concurrently with BIO 405. Pre-req: BIO 124, 125, 200, 202, and 207.

405. GENERAL ECOLOGY LAB – 1 hr. Laboratory studies ecological research. Most work is in the field and includes extended field trips. One three-hour laboratory per week. Must be taken concurrently with BIO 404. Pre-req: BIO 124, 125, 200, 202, 203, and 207.

406. FIELD BIOLOGY - 4 hrs. 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. Pre-req: BIO 124, 125, 200, 202, and 207.

407. HUMAN GENETICS - 3 hrs. Advanced concepts of inheritance mechanisms and patterns as applied to humans. Emphasis primarily on chromosome disorders and hereditary diseases including their mechanisms, identification, and prediction of their occurrence. Pre-req: BIO 401.

408. HERPETOLOGY - 4 hrs. 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. Pre-req: BIO 343.

409. ELEMENTS OF AQUATIC ECOLOGY AND WATER POLLUTION - 4 hrs. 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. Pre-req: BIO 124, 125, 200, 202, and 207; CHEM 110, 111, 112 and 113.

412. NEUROSCIENCE – 3 hrs. A study of the central and peripheral neural system. Content emphasizes the structural and functional organization of the human brain. The focus is placed on the fundamental concepts of cellular and molecular neurobiology, information processing, brain plasticity, and behavioral control. Other topics include brain development, behavioral pharmacology, and neuropsychiatric diseases. Three lectures 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. Pre-req: BIO 328, 334; CHEM 112, 113

415. EXAM PRACTICE – 1 hr. Practice course designed to provide students with established study time for and advice and guidance from student mentors and faculty regarding study materials and entrance exams to professional and graduate schools. Course meets for three hours per week. Students must be enrolled in the Biology Program.

421. EPIDEMIOLOGY OF INFECTIOUS DISEASES - 3 hrs. 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. Pre-req: A basic course in microbiology.

423. PATHOPHYSIOLOGY - 3 hrs. 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. Pre-req: BIO 124, 125, and 302. May be offered upon student request: consult with department chairperson.

426. COMPARATIVE ANIMAL PHYSIOLOGY – 4 hrs. Studies the normal functions of the nervous, endocrine, muscle, circulatory, respiratory, and urinary systems of animals with an emphasis on vertebrates. Three lectures and one three hour lab per week. Pre-req: C or better in BIO 124, 202, 203, 207, or 208.

428. EVOLUTIONARY BIOLOGY – 3 hrs. A study of the principles underlying the modern concepts of natural selection and evolutionary change with emphasis on results of research in the fields of prebiotic chemical evolution, continental drift, paleontology, population biology, and genetics.. (3 hours lecture per week). Pre-req: BIO 124 and BIO 401 OR BIO 404.

432. HISTOLOGY - 4 hrs. The structure and functions of cells, tissues and organ systems, with special reference to humans. Laboratory studies of vertebrate tissues. Three lectures and one three-hour laboratory per week. Pre-req: BIO 124, 125, 302 or 328.

440. CONSERVATION BIOLOGY- 4 hrs. Emphasis on the preservation of biological diversity and its evolutionary potential. Basic topics include a history of conservation biology, investigations of metapopulation dynamics, and genetic consequences of reduced biotic populations, restoration methods for ecological systems and an analysis of important policies. Course material will focus on the Appalachian region. This class will have three hours of lecture and one hour laboratory per week. Prerequisites: BIO 404, 405.

442. FRESHWATER INVERTEBRATES – 4 hrs. Ecology, life history, and conservation of freshwater mussels, aquatic insects, and freshwater crayfish. Emphasis is placed on mastery of field identification of these organismal groups specific to the central Appalachian region, as well as an understanding of taxonomic, ecological, and conservation issues for these groups globally. Course will include lectures, laboratories, field excursions, and collections. Pre-req: BIO 202, 203.

444. FLUORESCENCE MICROSCOPY – 3 hrs. Techniques-oriented course designed to give students expertise in fluorescence microscopy and specimen preparation. Students will learn how to use a research-grade epifluorescence microscope, conduct DAPI staining, immunofluorescence, differential staining, and cytoskeletal staining techniques. Pre-req: BIO 325, 326.

450. ZOO ANIMAL BEHAVIOR MANAGEMENT – 4 hrs. Examines principles of animal behavior from a physiological, ecological, and evolutionary perspective as well as the tools and techniques to manage animal behavior in zoos and aquariums. Topics include physiological mechanisms of behavior, social organization, mating systems, parental care, communication, foraging strategies, predator-prey interactions, aggression, learning, environmental enrichment, and operant conditioning via positive reinforcement. Three hours of lecture and one three-hour laboratory per week. Restricted to students in Zoo Science and Applied Conservation major. Pre-req: BIO 180, BIO 202, BIO 203, BIO 207.

452. ZOO ANIMAL MEDICINE – 4 hrs. Examination of zoo animal medicine from a preventative medicine and veterinary examination perspective. Topics will include principles of animal nutrition, parasitology, wildlife diseases, vaccination, capture and restraint, and anesthesia. This course will be a hybrid course, involving an online component and field experience with exotic species. May require fieldwork after the end of the semester. Restricted to students in Zoo Science and Applied Conservation major. Pre-req: BIO 180, BIO 202, BIO 203, BIO 207.

454. ZOO INTERNSHIP – 3 hrs. Experiential learning restricted to students in the Zoo Science and Applied Conservation major. Internships will be conducted at eligible zoos, aquariums, and other animal management facilities as approved by Zoo Science and Applied Conservation major faculty. Permission of Zoo Science faculty required; Zoo Science and Applied Conservation major only. Pre-req: BIO 180, BIO 280.

456. ANIMAL NUTRITION. – 4 hrs. This course provides students with an in-depth understanding of the digestion and metabolism of food nutrients; nutrient requirements and digestive systems of selected domestic and wild animals; selected metabolic diseases; and diet formulation for selected domestic and wild animals. Pre-req: BIO 426.

458. REPRODUCTIVE PHYSIOLOGY – 4 hrs. This course provides students with an in-depth understanding of the reproduction physiology of vertebrates with emphasis on anatomy, natural and assisted reproduction techniques, endocrinology, and contraceptive techniques. Pre-req: BIO 426.

460. MOLECULAR BIOLOGY - 4 hrs. Prokaryotic and Eukaryotic DNA replication, transcription and translation processes covered in detail. DNA repair mechanisms, chromosome structure, regulation of transcriptional events, and posttranscriptional and post-translational modification processes are also covered in conjunction with replication, transcription and translation. Three hours of lectures per week. Must be taken concurrently with BIO 461. Molecular Biology Laboratory. Pre-req: BIO 208 CHEM 110, 111, 112, 113.

461. MOLECULAR BIOLOGY LABORATORY – 1 hr. Laboratory techniques for examining DNA, RNA, and protein at a molecular level will be introduced. Topics include isolation, purification, transformation, transfection, polymerase chain reaction, column chromatography, and other related techniques. Laboratory must be taken concurrently with BIO 460 Molecular Biology. Pre-req: BIO 208, CHEM 112, 113.

462. MICROBIAL PATHOGENESIS - 3 hrs. 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. Pre-req: BIO 325.

464. MICROBIAL GENETICS - 4 hrs. This course will introduce students to the study of bacterial genetics. Basic topics include DNA, RNA, and protein synthesis and the mechanisms bacteria use to regulate these processes. Also, the molecular and biochemical basis of mutation and gene transfer will be studied. Bacteriophage genetics will be covered in order to understand their importance in molecular genetics, biochemistry and biotechnology. Selected laboratory exercises will be integrated with the lecture throughout the semester. Pre-req: BIO 325, 326, 460, and 461 and acceptance into the Microbiology Track.

465. VIROLOGY - 3 hrs. 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. Pre-req: BIO 325.

467. BIOTECHNOLOGY INTERNSHIP - 3 hrs. 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. Pre-req: Satisfactory completion of BIO 301, 307, 320, and 321. Summer terms.

468. SPECIAL ISSUES FOR BIOTECHNOLOGY - 3 hrs. 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. Pre-req: Satisfactory completion of BIO 306, 307 and 321.

470. BIOLOGICAL CHEMISTRY – 3 hrs. Detailed exploration of structure and function of proteins, nucleic acids, carbohydrates, and lipids in biological systems. Included in the study of these macromolecules are catabolism and biosynthesis, bioenergetics, and regulation of biological pathways. Pre-req: BIO 208, CHEM 340.

471. CONSERVATION PRACTICUM – 3 hrs. Pragmatic field experience mentored by conservation-oriented faculty and conservation specialists within the applied conservation field. Experiential field placement limited to Zoo Science and Applied Conservation majors in the Applied Conservation track. Permission of Zoo Science and Applied Conservation faculty required. Pre-req: BIO 180, 207.

472. CELL BIOLOGY – 3 hrs. Study of cell structure and function. Topics covered will include: cell signaling, cellular transport, cytoskeletal architecture, cell structure and biosynthesis of organelles, and cell cycle and differentiation. Strongly recommended for students in pre-professional programs. Pre-req: BIO 460.

473. HUMAN GROSS ANATOMY – 3 hrs. Examines the gross anatomy of the human. The human body will be analyzed in a regional approach. The course will include hands-on gross human dissection, human palatinates, video presentations, and advanced imaging when applicable. The course will primarily involve learning human structure through cadaveric dissection. Lectures will be incorporated into the hands-on laboratory experience. Permission of instructor required.

478. SPECIAL TOPICS IN BIOLOGY II - 1-4 hrs. 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. RESEARCH/INTERNSHIP- 1-3 hrs. Independent research under the guidance of a departmental faculty member (the research mentor) or internship as approved by the student's departmental advisor. Course may be offered at any time by specific arrangement. Credit hours are established on the basis of 45 work hours equates 1 semester credit hour.

480. BIOLOGY CAPSTONE -1 hr. Critical analysis seminar course focused on current issues in the biological sciences. Enrollment in this course is limited to seniors majoring in the B.S. in Biology degree program. Biology Capstone must be taken at West Libety University. Pre-req: Senior Biology major.

482. BIOLOGY EDUCATION CAPSTONE – 1 hr. Critical analysis seminar course focused on current issues in biology education. Enrollment in this course is limited to seniors majoring in the B.A. Biology (9-Adult) degree program. Biology Education Capstone must be taken at WLU. Pre-req: Senior standing in the program.

496. WASHINGTON SEMINAR - 1-3 hrs. 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 hrs. Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

CHEMISTRY (CHEM)

010. PROBLEM SOLVING IN CHEMISTRY – 1 hr. Lecture sections that include active study sections directed towards enhancing the practical application of mathematics to chemical problem solving. Course will address general approach to chemistry with focus on critical approaches to fundamental chemistry problems, study skills, and problem solving. Students may request to be exempted from this requirement by the Department Chair. Co-req: CHEM 110

100. FOUNDATIONS OF CHEMISTRY - 3 hrs. 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. Pre-req: 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 139.

101. FOUNDATIONS OF CHEMISTRY LABORATORY –1 hr. 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 139.

110. GENERAL CHEMISTRY I - 3 hrs. Three lectures per week, the fundamentals of chemical theory. Pre-req: Students who need MATH 139 must first take and successfully complete MATH 139 before they are eligible to enroll in CHEM 110/111. Students with a math ACT below 23 must meet with instructor for permission to enroll in CHEM 110 concurrently with the supplemental course, CHEM 010. Co-requisite: CHEM 111.

111. GENERAL CHEMISTRY LABORATORY I - 1 hr. One three hour session per week. Metric system, S.I. units, stoichiometry, gases, liquids, solids, solution concentration' molecular mass, thermochemistry, qualitative and quantitative analysis. Pre-req: Students who need MATH 139 must first take and successfully complete MATH 139 before they are eligible to enroll in CHEM 110/111. Students with a math ACT below 23 must meet with instructor for permission to enroll in CHEM 110/111 concurrently with the supplemental course, CHEM 010. Co-requisite: CHEM 110.

112. GENERAL CHEMISTRY II - 3 hrs. Three lectures per week; a continuation of CHEM 110; with emphasis on descriptive chemistry. Pre-req: CHEM 110. Co-req: CHEM 113.

113. GENERAL CHEMISTRY LABORATORY II - 1 hr. One three hour session per week, a continuation of CHEM 111. Kinetics, equilibrium, acid-base, voltaic cells, redox, radio-activity, qualitative and quantitative analysis. Pre-req: CHEM 111. Co-req: CHEM 112.

278. SPECIAL TOPICS IN CHEMISTRY - 1-3 hrs. 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 hrs. Two lectures and one problem session per week; Theory of Electrochemical, Spectrophotometric and other Quantitative Methods of Analysis. Pre-req: CHEM 112 and 113, MATH 145 or equivalent. Co-requisite: CHEM 321.

321. ANALYTICAL CHEMISTRY LABORATORY - 1 hr. One three-hour session per week. Quantitative determination of samples using electrochemical, spectrophotometric and other methods. Pre-req: CHEM 113. Co-requisite: CHEM 320.

322. INTERPRETATION OF SPECTRA - 1 hr. An introduction to the interpretation of ultraviolet, infrared, visible, nuclear magnetic, two dimensional NMR and mass spectra. Pre-req: CHEM 342.

335. ENVIRONMENTAL CHEMISTRY - 3 hrs. 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. Pre-req: CHEM 320 and CHEM 340.

336. ENVIRONMENTAL CHEMISTRY LABORATORY - 1 hr. An introduction to sampling and measurement techniques used to characterize the environment. Electrochemical, spectroscopic, and chromatographic techniques will be used with both laboratory investigations. Pre-req: CHEM 341. Co-requisite: CHEM 335.

337. GREEN CHEMISTRY - 3 hrs. 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. Pre-req: CHEM 340, 342.

340. ORGANIC CHEMISTRY I - 3 hrs. 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. Pre-req: CHEM 112.

341. ORGANIC CHEMISTRY LABORATORY I - 1 hr. One three-hour session per week; laboratory practice with emphasis on basic laboratory techniques and synthesis. Pre-req: CHEM 113. Co-requisite: CHEM 340.

342. ORGANIC CHEMISTRY II - 3 hrs. 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. Pre-req: CHEM 340.

343. ORGANIC CHEMISTRY LABORATORY II - 1 hr. One three-hour session per week; a continuation of CHEM 341, with emphasis on syntheses of various functional groups. The nature of organic experiments will require students to perform laboratory work outside the allotted laboratory time during their independent projects. Pre-req: CHEM 341. Co-requisite: CHEM 342.

350. PRINCIPLES OF ORGANIC CHEMISTRY - 3 hrs. 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. Pre-req: CHEM 112. May be offered upon student request: consult with department chairperson.

351. PRINCIPLES OF ORGANIC CHEMISTRY LABORATORY - 1 hr. One three-hour session per week, laboratory practice with emphasis on basic techniques, as well as some synthesis. Pre-req: CHEM 113. Co-requisite: CHEM 350. May be offered upon student request: consult with department chairperson.

352. PRINCIPLES OF BIOCHEMISTRY - 3 hrs. 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. Pre-req: CHEM 342 or 350. May be offered upon student request: consult with department chairperson.

353. PRINCIPLES OF BIOCHEMISTRY LABORATORY – 1 hr. One three-hour laboratory session per week; laboratory practice with emphasis on the study of the properties of carbohydrates, lipids, proteins and enzymes. Pre-req: CHEM 343 or 351. Co-requisite: CHEM 352. May be offered upon student request: consult with department chairperson.

358. MEDICINAL CHEMISTRY – 1 hr. Biochemical study of drug discovery, drug metabolism and receptor interactions as related to pharmaceuticals. The course will require a written report and oral presentation of a topic in medicinal chemistry. Pre-req: CHEM 342.

360. PRINCIPLES OF PHYSICAL CHEMISTRY - 3 hrs. 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. Pre-req: CHEM 112, 320; MATH 145; PHYS 101, 102.

361. PHYSICAL CHEMISTRY LABORATORY - 1 hr. 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. Pre-req: CHEM 113. Co-requisite: CHEM 360.

377. ORGANOMETALLIC CHEMISTRY – 3 hrs. This purpose of this course is to examine the design, synthesis, and reactivity of transition metal complexes that can be applied to organic chemistry reactions. Topics covered include, formal oxidation state, electron counting, classes of ligands, catalytic cycles, metal ligand multiple bonds, fluxional processes, and isolobal analogies. Pre-req: CHEM 342.

400. INORGANIC CHEMISTRY - 3 hrs. Three lectures per week, concepts and chemical systems of inorganic chemistry, periodic table, atomic and molecular structures, coordination bonding and compounds, solid states. Pre-req: CHEM 112, 113.

410. ENVIRONMENTAL TOXICOLOGY - 3 hrs. 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. Pre-req: CHEM 335, 336, 340, 342, and BIO 200, 202.

420. INSTRUMENTAL ANALYSIS - 3 hrs. Three one-hour lectures per week. Modem instrumental methods of chemical analysis. Teaches theory behind the instrument, principles of operation, interpretation of data obtained, and limitations of spectrophotometric, chromatographic and electrochemical methods. Co-req: CHEM 421. Pre-req: CHEM 340 and CHEM 341.

421. INSTRUMENTAL ANALYSIS LABORATORY - 1 hr. One three-hour lab per week. The use of chemistal instrumentation to analyze samples involving spectrophotometric, chromatographic and electrochemical methods. Co-req: CHEM 420. Pre-req: CHEM 321.

422. ADVANCED INSTRUMENTAL ANALYSIS - 2 hrs. Two one-hour lectures per week. A study of advanced spectrophotometric, chromatographic and electrochemical methods not covered in Instrumental Analysis. Co-req: CHEM 423 Pre-req: CHEM 420 and CHEM 421.

423. ADVANCED INSTRUMENTAL ANALYSIS LABORATORY - 1 hr. One three-hour lab per week. A study of advanced instrumentation as applied to spectrophotometric, chromatographic and electrochemical

methods not covered in Instrumental Analysis. Co-requisite CHEM 422 Pre-req: CHEM 420 and CHEM 421.

440. ADVANCED ORGANIC CHEMISTRY - 3 hrs. Three lectures per week; selected topics in organic chemistry with emphasis on mechanisms of organic reactions. Pre-req: CHEM 342.

442. ORGANIC QUALITATIVE ANALYSIS - 3 hrs. 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. Pre-req: CHEM 342.

464. PHYSICAL CHEMISTRY I - 4 hrs. Three lecture sessions and one problem solving session per week. A mathematical investigation of the fundamental principles in chemistry which include: gases, thermodynamics of physical and chemical processes, physical and chemical equilibria and electrochemistry. Co-reqs: CHEM 465. Pre-req: CHEM 340, PHYS 102, and MATH 210.

465. PHYSICAL CHEMISTRY LABORATORY I - 1 hr. One three-hour session per week. Co-requisite: CHEM 464. Pre-req: CHEM 113.

466. PHYSICAL CHEMISTRY II - 4 hrs. Three sessions and one problem solving session per week, a continuation of CHEM 464. A mathematical investigation of the fundamental principles in chemistry which include: quantum mechanics, spectroscopy, statistical thermodynamics and kinetics. Co-reqs: CHEM 467; Pre-reqs: CHEM 464, MATH 211.

467. PHYSICAL CHEMISTRY LABORATORY II - 1 hr. One three-hour session per week. A continuation of CHEM 465. Pre-req: CHEM 465. Co-requisite: CHEM 466.

478. SPECIAL TOPICS IN CHEMISTRY - 1-3 hrs. 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 hrs. 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 hrs. 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. Pre-req: CHEM 342. CHEM 360 or 464/466 highly recommended.

481. BIOCHEMISTRY I LABORATORY - 1 hr. One three-hour laboratory period per week (certain experiments may extend beyond three hrs). To be taken in conjunction with CHEM 480.

482. BIOCHEMISTRY II - 3 hrs. Three lectures per week. A continuation of Biochemistry I. Pre-req: CHEM 480, 481. Co-requisite: CHEM 483.

483. BIOCHEMISTRY II LABORATORY - 1 hr. One three-hour session per week. (Certain experiments may extend beyond three hrs). Pre-req: CHEM 480, 481. Co-requisite: CHEM 482.

485. CHEMISTRY CAPSTONE - 1 hr. Seminar topics from different areas in Chemistry. Every attempts will be made to match topics with each student's area of specialization. Open to senior chemistry majors currently enrolled to obtain a BS in chemistry. The required fulfillment of this course for a BS in chemistry is non-transferable from a previous institution and must be taken at WLU. Pre-req: Senior chemistry major and approval of program faculty advisor.

486. CHEMISTRY EDUCATION (9-ADULT) CAPSTONE - 1 hr. Critical analysis seminar course focused on current issues in chemistry education. Enrollment in this course is limited to seniors majoring in the B.A. Chemistry Education (9-Adult) degree program. The required fulfillment of this course for a B.A. in chemistry education is non-transferable from a previous institution and must be taken at WLU. This course is offered by arrangement only. Pre-req: Senior chemistry education major and approval of program faculty advisor.

487. ENVIRONMENTAL SCIENCES CAPSTONE – 1 hr. Problem based course designed to integrate chemistry and biological sciences as related to environmental science. Written and oral presentation will be completed by students on a given research theme pertinent to environmental sciences. Pre-req: Senior Chemistry majors in Environmental Sciences Track and approval of program coordinator.

488. BIOCHEMISTRY CAPSTONE – 1 hr. A problem based learning experience involving biochemical methods and theory. The course will consist of investigation of a biochemical problem, written report and oral presentation. Pre-req: Senior Chemistry majors in the Biochemistry Track, and permission of program director.

COLLEGE EXPERIENCE

101. FIRST YEAR EXPERIENCE - 2 hrs. An introductory course to provide incoming freshmen with the knowledge and skills to succeed academically, socially, emotionally and economically. Topics include, but are not limited to, the following: time management, critical thinking, study skills, residence life, wellness, student safety, college history, money issues, and tips for academic success.

102. CAREER DECISION MAKING AND LIFE PLANNING - 1 hr. 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.

103. STUDENT SUCCESS SEMINAR – 1 hr. Required course for all students placed on Academic Probation, returning to the college after Academic Suspension, or admitted on academic probation. Topics including student motivation, goal-setting, coping strategies, time management, study strategies, and individual learning styles are examined.

302. CAREER PLANNING AND PLACEMENT - 1 hr. This course is designed to introduce students to the fundamentals of planning and organizing job search strategies. Emphasis is placed on the development of job search credentials.

COMMUNICATIONS (COM)

101. FUNDAMENTALS OF ORAL COMMUNICATIONS - 3 hrs. A practical course in interpersonal communication including elementary phases of oral language training, short speeches, articulation, and pronunciation. Emphasis is on effective communication. A minimum grade of "C" is required for graduation.

201. SURVEY OF COMMUNICATION – 3 hrs. An introduction to the foundational principles that create the communication studies discipline. This course will survey theory and practice in the following areas: intrapersonal, interpersonal, public, group, mass, organizational, and mediated communication. This course will also examine the professional communicative field and related technologies.

203. ARGUMENTATION AND DEBATE - 3 hrs. Principles of argumentation evidence, reasoning, and their application to debating. Pre-req: COM 101.

221. HISTORY AND SURVEY OF BROADCASTING - 3 hrs. An introduction to the broadcasting field including its history, structure and occupations.

223. RADIO PRODUCTION - 4 hrs. An introductory course in radio production covering station requirements, programming, pre-production,

control board operation, and air presentation. In addition, course includes extensive practical lab work requiring students to be on the air at the college radio station.

224. TELEVISION PRODUCTION I - 4 hrs. An introduction to the theoretical and practical aspects of television production that includes a basic knowledge of the operating principles of various equipment used in professional television production. In addition, course includes extensive practical lab work requiring students to write, produce, and direct multi-camera television productions.

225. TELEVISION FIELD PRODUCTION - 3 hrs. Lectures and exercises designed to introduce the student to the principles on single cameral ENG/EFP production. Topics covered include: writing, producing, lighting and editing techniques. The course requires substantial time in the editing lab.

226. REMOTE BROADCAST PRODUCTION - 3 hrs. An introductory-level course that focuses on remote broadcast production techniques. The student will learn basic format creation, editing, audio techniques, and video and lighting techniques.

227. VISUAL CRITICAL LITERACY - 3 hrs. Students develop a critical understanding of the nature of visual messages and how meaning is derived from images and/or words. Students decode interpret, question, challenge and evaluate visual communications in advertising, cinema, editorial cartoons, digital images, graphics, new media and video.

228. STORY FINDING - 3 hrs. Search for concepts and stories, and optimal point of view into those worlds/characters. The course covers tailoring subject matter to different outlets and beginning to understand documentary interviewing. The course will pay close attention to West Virginia subject matter and stories. Pre-req: COM 34.

231. NEWS WRITING AND REPORTING - 3 hrs. An intensive study and practice in writing and rewriting news stories from the simple to the complex. The course includes evaluation of news-gathering methods, discussions and exercises in writing leads, organizing sources, and avoiding libel. Emphasis is placed on the style and structure of news stories for the print media.

232. BROADCAST NEWS WRITING - 3 hrs. Introduction to the basics of writing for radio and television. Practical and technological knowledge is gained in the laboratory where students digitally compose and edit their stories on computers using the most current word-processing programs.

233. HISTORY AND SURVEY OF JOURNALISM - 3 hrs. A history of American journalism from pre-colonial newspapers and magazines to the multimedia age emphasizing recurring themes and issues.

301. INTERPERSONAL COMMUNICATION - 3 hrs. Survey of the principles of communication in interpersonal relationships. Emphasis on diagnosing interpersonal communication breakdowns and developing communication skills. Pre-req: COM 101.

302. ADVANCED PUBLIC SPEAKING – 3 hrs. This course is designed to be an advanced study of public speaking and speech writing. Emphasis is placed on practical experience in regard to preparing, delivering, and evaluating public discourse. This is a performance-based course. Pre-req: COM 101 and junior or senior standing.

306. GROUP COMMUNICATION - 3 hrs. A study of principles and practices that govern group communication. This course is designed to provide the student with insight into how groups work, communications strategies within a group, group decision-making processes. In addition to examining a group communication theory, students will work within groups in order to gain practical (group) experience.

307. STORY STRUCTURE/ STORYTELLING - 3 hrs. Story Structure/ Storytelling- Students will learn to identify the significant events that shape the structure of a story or documentary film, devise a narrative arc, pacing and editing stories for documentary film.

308. SIZZLE REEL - 3 hrs. Students will learn how to get permission from documentary subjects, secure rights and securing intellectual property. Emphasis will be placed creating, editing a 3 to 5 minute sizzle reel and debuting their sizzle reel for an audience. Pre-req: DMD 203, COM 307.

309. BUSINESS OF DOCUMENTARY FILM - 3 hrs. Business of Documentary Film - Students will learn the pitch process, what it takes to be “good in a room,” hook, attributes, etc. Students will be required to actually do real-world pitches. How to approach networks, apply for grants, strike broadcast “deal”, etc. will be discussed. Pre-req: COM 307.

310. ADVERTISING COMMUNICATIONS - 3 hrs. A course designed to introduce theories and practical applications of media advertising. The historical and modern strategies of advertising in the media, including newspapers, magazines, radio, and television are also explored.

311. MASS MEDIA AND SOCIETY - 3 hrs. The effects of media agents upon society and their place in modern communications.

312. MEDIA SALES - 3 hrs. The study of media sales methods. Emphasis will be placed on the various types of media campaigns and the selling process.

313. ORGANIZATIONAL COMMUNICATION – 3 hrs. Investigation of information flow in organizations with an emphasis on communication and identification of communication problems

314. PERSUASION - 3 hrs. Introduction to the understanding, practice, and analysis of persuasion. Behavioral and rhetorical theories of persuasion will be examined and applied.

321. TELEVISION PRODUCTION II - 3 hrs. 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. Pre-req: COM 224.

322. WRITING FOR RADIO AND TELEVISION - 3 hrs. 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 hrs. 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 hrs. 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 hrs. 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. Pre-req: COM 224 or COM 225.

326. ADVANCED REMOTE PRODUCTION - 3 hrs. An advanced course that focuses on television and radio remote production. The student will learn advanced television and radio engineering, producing and directing techniques that take place outside of the studio. It will also include a large emphasis on format creation, editing, audio techniques and video and lighting techniques.

329. ON-CAMPUS INTERNSHIP IN TELEVISION OR RADIO - 2 hrs. Students will be given specific responsibilities on the campus radio or television station.

331. PHOTOJOURNALISM - 3 hrs. 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. Pre-req: Art 285.

332. FEATURE WRITING - 3 hrs. Advanced study in writing and marketing feature articles for newspapers and magazines. Instruction in subject research, interviewing techniques, preparation of manuscripts and marketing techniques. Also includes examination of new journalism style and techniques.

333. EDITORIAL WRITING - 3 hrs. 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 hrs. 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. Pre-req: COM 231.

337. SPORTS REPORTING - 3 hrs. Sports Reporting is a comprehensive approach to learning the fundamentals of producing good sports copy. The course emphasizes reportorial writing, gathering of information, accuracy, and interview techniques, as well as columns, stats and photography. This class will help you to become a better thinker and a wiser, more critical consumer of the media in general and sports reporting in particular. The class is fast paced and topical with hands-on learning. Some work will be published either in *The Trumpet* or on WLTV.

338. INVESTIGATIVE JOURNALISM - 3 hrs. Investigative Journalism will explore the watchdog role of journalists in American society. A crucial duty of journalists is to serve the public interest by acting as a watchdog on government, business, education, health, environment, safety and other institutions. That duty is particularly important where agencies and institutions restrict the flow of information. The tradition of investigative reporters, who uncover facts and write articles that expose waste, wrong-doing, mismanagement, fraud, conflict of interest and abuse of authority, and promote change and reform, has a long and proud history that stands alongside more conventional journalistic practices. In this course, we will examine the tradition by learning the reporting techniques that allow stories to be told and by understanding the societal factors that shape their content and impact.

339. ON CAMPUS INTERNSHIP IN JOURNALISM - 2 hrs. A supervised observation-experience program on campus in which students will be given specific practical responsibilities and duties concerned with the preparation of publications. Pre-req: COM 231 and 232.

359. WRITING FOR WEB / SOCIAL MEDIA - 3 hrs. Writing for the Web & Social Media examines how users read on the web, how authors should write their web pages, and, accordingly, how to design rich, appropriate content for web sites. This course offers practical experience in the novice and intermediate use of (X)HTML, HTML editors, graphics, and presentation software. Students will also learn Style Sheets in constructing web sites. By analyzing how on-line communities organize, use, and distribute knowledge and information, the course will evaluate and build web sites that communicate simply and effectively. Students will also explore the role social media play in journalism today, both as source and as product. Pre-req: COM 231.

361. SPORTS ANNOUNCING - 3 hrs. Students will learn to apply the basic skills and knowledge required for sports announcing for radio and television. Coordinated coverage of live sporting events, sports announcing, and technical production problems will each be examined and utilized in pre-recorded and live-to-tape television broadcast. Off-campus production opportunities may be required. Pre-req: COM 201, DMD 204.

362. AUDIO DOCUMENTARY PRODUCTION - 3 hrs.. This course is designed for students interested in producing non-fiction stories across traditional and new technology transmission systems. Students study and develop an aesthetic mean for using and evaluating sound. Each student uses research, interviewing, writing, and editing to produce audio documentaries. Pre-req: DMD 204 or COM 223.

364. REMOTE PRE-PRODUCTION - 3 hrs. This lecture/laboratory will allow students to plan for all areas of remote sports television pre-production. This class will meet 48-hours prior to scheduled sporting events produced by WLTV. Students will be required to discuss, itemize, create and pre-produce game-specific television production elements. Elements and content to be pre-produced include in-game (on-air) graphics and video roll-in packages, which will support the live event. This content will be created during laboratory group meeting time. Students will work together as a production team to research timely story lines, discuss the "production value" of the content and how the content will be "best presented" to the viewer with the talent, producer, director, associate producer, associate director, re-play tech and others on the production team. Pre-req: COM 201, COM 225.

401. COMMUNICATION THEORY - 3 hrs. The study of various communication theories as they apply to individuals and the larger society.

402. COMMUNICATION RESEARCH-3 hrs. Introduction to advanced study of research areas with an emphasis on communication research method and reporting. The course will cover experimental design, survey research, textual analysis and ethnography. Pre-req: COM 201, COM 401.

403. PRE AND POST PRODUCTION DOCUMENTARY FILM - 3 hrs. Detailed study of the technical requirements, and the business requirements involved in the making of documentary films. The roles of the director of photography, director, audio engineer, film editor and producer will be explored. Students will work on a documentary film project. Pre-req: COM 307.

404. DEBUT AND BROADCAST - 3 hrs. Debut and Broadcast- Understand and practice the skill of collaboration with networks, TV stations, promoters, film fest admin, etc. Learn how to support and market a project in print and online. Pre-req: COM 307.

405. INTERNSHIP IN DOCUMENTARY FILM - 3 hrs. Internship in Documentary Film- A supervised observation- work experience in a documentary film project. Pre-req: COM 307.

406. DOCUMENTARY FILM SENIOR PROJECT - 3 hrs. Fourth year requirement for Documentary Film students that do not take COM 405. The development of a comprehensive film project to completed form. The student will assemble completed works into a professional portfolio package for use in an interviewing situation. Pre-req: COM 307 and taken in senior year.

410. COMMUNICATIONS LAW AND ETHICS - 4 hrs. A detailed study of law and ethics as they apply to mass communication. Students will study situational and theoretical models to determine where and how these often-complimentary ideals intersect and sometimes contradict each other and will come to understand the fundamentals of legal and ethical reasoning. Strong writing and analytical skills are expected.

411. MASS COMMUNICATION LAW - 3 hrs. 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. Pre-req: COM 231.

412. MEDIA ETHICS - 3 hrs. The study of ethical decision-making as it applies to the media.

413. PUBLIC RELATIONS - 3 hrs. 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. Pre-req: COM 231 .

414. ADVERTISING CREATIVES - 3 hrs. Creative elements of advertising, copywriting, layout and design, and advertising messages.

The psychology of the creative process and the relationship of creativity to the development of ideas and messages in major advertising campaigns are also explored. Pre-req: COM 310.

415. PUBLIC RELATIONS WRITING - 3 hrs. Development of professional-level writing skills for beginning public relations practitioners. Written communication approaches for particular audiences and publics in traditional and digital media. Pre-req: COM 413 or permission of instructor.

416. PUBLIC RELATIONS CASES AND CAMPAIGNS – 3 hrs. Public Relations Campaigns, with special attention to case studies dealing with various public relations issues and crises. The class culminates with students developing PR campaigns. Pre-req: COM 415 or permission of the instructor.

417. ADVERTISING CAMPAIGNS CAPSTONE - 3 hrs. Students focus on SWOT analysis (strengths, weaknesses, opportunities and threats) while developing a viable advertising campaign for a client; development of advertising materials; present, write and defend complex, strategic decisions in media planning, selection, and placement of advertisements. Pre-req: COM 310 and 414.

418. BROADCAST PERFORMANCE - 3 hrs. Basic functions of on-air announcing for television and radio. Emphasis on oral interpretation, teleprompter delivery, news and sports reads and off-script reads.

420. 3D ANIMATION AND GRAPHICS - 3 hrs. 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. Pre-req: Communication, DMD, and Graphic Design Majors.

421. TOPICS IN ADVANCED TELEVISION PRODUCTION - 2-4 hrs. 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. Pre-req: COM 224 or 225 and permission of instructor. May be repeated once if topics differ.

422. NON-LINEAR EDITING - 3 hrs. 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. Pre-req: COM 225.

423. PROFESSIONAL INTERNSHIP IN SPORTS BROADCASTING - 3 hrs. A supervised observation- work experience in a professional sports broadcasting setting. Pre-req: COM 225, COM 226.

424. ADVANCE REMOTE PRODUCTION FOR SPORTING EVENTS - 3 hrs. Topics: Show and event preparation; development of show content, pre-building of content graphics, highlights and event game day formats. Students will learn how to manage a live or tape delayed televised sports broadcast. Work with talent and other production team members. Pre-req: COM 364.

425. TELEVISION STUDIO NEWS DIRECTING AND PRODUCTION II - 3 hrs. A continuation of the techniques, disciplines, and live cable broadcast experience studied in COM 325. The student may not fill the same on-air production job or write for the same segment as in COM 325.

426. MULTIMEDIA AND SOCIAL NETWORKING - 3 hrs. A principles, theories, techniques and application intensive course introducing basic social media advertising and public relations principles. The course culminates in a social media campaign using strategies, tactics and the execution of (planning and placement) advertising and public relations efforts.

428. PROFESSIONAL INTERNSHIP IN RADIO - 3-6 hrs. A supervised observation-work experience in an off-campus radio station. Pre-req: Permission of Instructor.

429. PROFESSIONAL INTERNSHIP IN TELEVISION - 3-6 hrs. A supervised observation-work experience in an off-campus television station. Pre-req: Permission of Instructor.

432. ADVANCED NEWS PHOTOGRAPHY - 3 hrs. 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. Pre-req: COM 331.

434. DESKTOP PUBLISHING - 3 hrs. 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. Pre-req: previous experience with word processing.

439. PROFESSIONAL INTERNSHIP: JOURNALISM - 3 hrs. 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 hrs. A supervised observation/experience program in which the student is assigned to an area of his/her specialization in an advertising or public relations agency.

450. SPEECH PRACTICUM - 3 hrs. This course is designed to be an advanced study of public speaking and speech writing. Emphasis is placed on practical experience in regard to preparing, delivering, and evaluating public discourse. This will be a performance-based course. Pre-req: COM 101 and junior or senior standing.

452. BROADCASTING PRACTICUM – 3 hrs. This course is an advanced study of live and recorded broadcasting with a supervised work experience at WLU-TV 14.

477. GENRE WRITING - Maximum 3 hrs in each area. Specialized writing courses: A. Broadcast, B. Copywriting, C. Criticism/Review, D. Freelance, E. Professional, F. Sports, G. Technical.

478. SPECIAL TOPICS IN COMMUNCIATION – 1-3 hrs. 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 IN COMMUNICATION – 1-3 hrs. 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.

480. COMMUNICATION / SENIOR SEMINAR - 3 hrs. The development, organization, revision, and presentation of major projects that demonstrate the competence within the discipline of Communication Studies. Pre-req: COM 201, COM 401, COM 402.

481. JOURNALISM CAPSTONE / SENIOR SEMINAR - 3 hrs.
Independent research or special studies under the guidance of a faculty member to familiarize the superior student with the techniques of scientific research and development. Each student will present, for approval, a prospectus on the research or problem to be conducted prior to the actual investigation. At the conclusion of the investigation a formal paper will be presented in seminar or at a conference. Pre-req: Senior class status and permission of the faculty member.

496. WASHINGTON SEMINAR - 1-3 hrs. 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 hrs. Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

COMMUNITY EDUCATION PROGRAM (CEP)

312. FUNDAMENTALS OF LEADERSHIP IN FAITH ORGANIZATIONS- 3 hrs. This course is an introductory study into the historical development of youth ministry with an emphasis on the theological foundations for ministry with young people. Students will explore practical application with which to articulate theoretical concepts within a ministerial and leadership role. This introduction will provide students with a broad framework with which to develop a vision for youth ministry within one's own context, commitment, and belief. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

322. FROM CHANTS TO CYMBALS - 3 hrs. This course provides a survey of the history of worship music and how various faith communities express their beliefs through songs. Students will consider how worship music has changed throughout the centuries depending on culture and age. In particular, the course will study modern day America and how worship music reflects certain demographic and psychographic preferences. Various places of worship will be visited in order to apply the information learned in this class to the faith communities of our area. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

333. LEADERSHIP IN FAITH ORGANIZATIONS - 3 hrs. Youth Ministry cannot merely be done on the macro-relationship level. Private needs and problems inevitably might surface and Youth Ministry quickly turns into youth counseling. Students in this course will be given tools that they can use to evaluate and understand the various problems presented to them. Various community resources to support children and adolescents in crisis will be explored and discussed. Special emphasis will be given on active listening and engagement in Youth Ministry settings. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

353. CURRICULUM AND SERVICE LEARNING - 3 hrs. This course will emphasize the importance of service-learning with which to enhance curriculum through involvement within the community. It will provide an in-depth study of the foundational principles of service-learning and its benefits across all disciplines. Students will gain an understanding of the role of mastering and enhancing subject material through a hands-on approach which accommodates various learning styles, promotes civic responsibility, and develops leadership skills. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

363. DEALING WITH SKEPTICAL QUESTIONS - 3 hrs. Students in this course will be challenged to deal thoughtfully and critically with common objections people have to faith in God. An overview of the most common objections to faith will be considered and answered. The class will contemplate how culture and community influence the kinds of objections people ask. Both the Epistemological and Classical approach to Apologetics will be utilized in answering these questions. Practical skills of listening and dialogue will be encouraged. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

411. FORMAL AND NON-FORMAL EDUCATION MODELS - 3 hrs. This course will give a broad overview of local, state, national, and international educational models in formal (schools, universities), as well a non-formal/community (museum, theatre) education. This course will be placed on (1) differences/similarities and advantages/disadvantages of the two educational approaches; (2) history of non-formal/community education and; (3) lifelong learning. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

421. PROMOTING CREATIVITY AND ART - 3 hrs. This course will highlight the importance of promoting creativity and the arts through the exploration of what creativity is, how the arts relate to it, and why both of them are essential in formal and non-formal education. Special attention will be given to (1) 21st century skills/the creative process; (2) using creativity and the arts to design interdisciplinary units/learning environments; and (3) increasing awareness about the arts, their place in our society/community, and their important contributions to various fields. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

422. OUTDOOR LEARNING SPACES - 2 hrs. Living in the virtual and technology driven age has its challenges. Outdoor experience, play, and learning appear to be rare for children (and adults). Outdoor activities and learning spaces are needed to encourage and support the development of a relationship between students and nature. In order to reach this goal, this course will focus on (1) providing local, state, national, and international examples for outdoor learning spaces and models, as well as site visits; (2) development of creative outdoor learning space designs and their possible implementation; and (3) important historical background information to understand the movement for new and creative outdoor learning spaces. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

432. MUSEUM PEDAGOGY: THEORY & PRACTICE – 3 hrs. Students will be introduced to the central issues and standards in theory and practice of learning relevant to educational programs and visitor experiences in a museum setting. Theoretical concepts and approaches to museum pedagogy will be explored. Practical examples and actual projects will provide students with applicable real-life experiences, which they can use in their museum-pedagogical work with life-long learners of all ages. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

433. PROGRAM DESIGN AND IMPLEMENTATION - 3 hrs. This course will provide a practical approach to understanding the components necessary to design and implement effective life-long learning programs for nonprofit organizations. The types of programs covered will include after-school programs, classes, special events, summer camps, and workshops. Students will gain practical experiences through the course assignments, lectures and readings. Class sessions will be a combination of instructor presentations and student discussions. Guest speakers will give a "real world" perspective to the discussion throughout the semester. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

442. COMMUNITY EMPOWERMENT AND ENGAGEMENT - 3 hrs. This course will provide students with theoretical tools and practical experiences in how to empower and engage community through design. The mutually beneficial connection of design and education as a vehicle for community empowerment and engagement will be modeled after a concept by Emily Pilloton and colleagues: (1) Design for education; (2) Redesigning education; (3) Design as education. Students will work on a community project to address real-life concerns through an application of these principles. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

443. FUNDRAISING AND GRANT WRITING - 3 hrs. This course will provide an introduction to fundraising for nonprofit organization. Sources and strategies for generating revenue will be covered including corporate, foundation, and government grants, annual giving, earned revenue and special events. Students will gain practical experience through the course assignments, lectures and readings. Class sessions will be a combination of instructor presentations and student discussions. Guest speakers will give a "real world" perspective to the discussions throughout the semester. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

452. REGGIO EMILIA AND OTHER APPROACHES - 3 hrs. The Reggio Emilia approach is based on the idea that children have many modes of expression and are speaking a "hundred languages of children." This course will provide students with an overview of the Reggio Emilia approach and how this arts-integrated/arts-based approach can be successfully transferred from classrooms to community learning environments and help skill and creativity development in participants. The focus on the commuity/ies and the teaching/learning approach through relationships will be stressed. This course will also discuss other international approaches and educators, for example: Waldorf Education, Forest Kindergarten, and Montessori. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

453. MUSEUM EXHIBIT DESIGN PRINCIPLES – 3 hrs.
Students will explore the issues, processes and standards associated with the design and installation of museum exhibitions. Students will gain practical experience through the design of a museum exhibition and other course assignments, gallery/museum visits, lectures and readings. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

463. LEADERSHIP IN COMMUNITY EDUCATION- 3 hrs. This course is designed to provide an overview and insight into the unique skills required for the leadership in community-based organizations. Topics include volunteerism, service, fiscal management, budget planning, and stewardship. A strong emphasis will be placed on exposing students to varied leadership styles, challenges of non-profit and not-for-profit organizations, and available community resources. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

473. COMMUNITY & SCHOOL-BASED PROGRAMMING - 3 hrs. This course is designed to give students a deeper insight and hands-on approach to their community education program of study. Out-of-classroom community fieldtrips and museum visits will take place. Community sites will be selected depending on the participating students' track studies. We will meet leaders of our local, national, and possibly even global community in museum education, community arts, outdoor education, sports, recreation and wellness, and youth ministry. Throughout the visits, students will experience the organizational structure, leadership style, and program design of various organization. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

482. PRACTICUM II (OFF-CAMPUS) - 3 hrs. This course provides a practical off-campus experience for students associated with the tracks of Community Arts (theater, dance and movement, music and youth symphony, visual arts and exhibitions, and youth ministry) and Museum Education. The practicum will help student develop "real-life" competence in their chosen track. The class will consist of 60 hrs of off-campus field experience that will assist students to work in an environment related to their career interest in order to learn applied skills, make workplace contacts, and apply classroom knowledge. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

492. PRACTICUM I (ON-CAMPUS) - 3 hrs. This course provides a practical on-campus experience for students associated with the tracks of Community Arts (theater, dance and movement, music and youth symphony, visual arts and exhibitions, and youth ministry) and Museum Education. The practicum will help student develop "real-life" competence in their chosen track. The class will consist of 60 hrs of off-campus field experience that will assist students to work in an environment related to their career interest in order to learn applied skills, make workplace contacts, and apply classroom knowledge. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

493. INTERNSHIP/INTERNATIONAL COMMUNITY EXPERIENCE - 4 hrs. The internship/international community experience is designed to give students first-hand experience at a facility in the community in which students will put their newly acquired theoretical knowledge into practice. The institutions will be chosen depending on the students' track selection. Students will meet on a regular basis with their internship advisor who will also visit them at their internship site. The community internship can be replaced with an international community experience overseas. Students will not only experience community education first-hand, but also be exposed to a different country, diverse language, and distinct culture providing them with a broader and more global perspective of community education. This course includes field-experience(s) in local community and/or community-based settings. Students are responsible for their own transportation.

COMPUTER INFORMATION SYSTEMS (CIS)

270. FUNDAMENTALS OF INFORMATION SYSTEMS - 2 hr. A study of information and business in society, information technology systems, business information systems, and systems development.

271. PRACTICAL COMPUTER APPLICATIONS - 3 hrs. This hands-on course introduces students to typical personal computer applications including: advanced uses of Microsoft Word, Excel, and Access Database. *THIS COURSE IS AVAILABLE TO STUDENTS UNIVERSITY-WIDE.*

278. SPECIAL TOPICS-1 - 3 hrs. 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 Program Director.

340. COMPUTER PROGRAMMING AND LOGIC – 3 hrs. Initial course in programming. Topics include disciplined approach to problem solving, structural program design, and algorithm design using a modern programming language. Pre-req: CIS 271.

366. DATA COMMUNICATIONS – 3 hrs. 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. Pre-req: CIS 270, 271.

371. ADVANCED VISUAL BASIC – 3 hrs. 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. Pre-req: BIS 340 or CIS 340.

372. DATABASE MANAGEMENT SYSTEMS – 3 hrs. A study of Database Management Systems with hands-on experience. The student will investigate the analysis, design, implementation and maintenance of a modern Database Management System. Pre-req: CIS 270, 271.

450. SYSTEM ANALYSIS AND DEVELOPMENT – 3 hrs. Analyzing, planning, and administering the decision-making function relating to information flows; design installation, direction maintenance and control of total management information systems. Pre-req: CIS 270, 372.

460. MANAGEMENT INFORMATION SYSTEMS – 3 hrs. 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. Pre-req: CIS 270, 271.

461. OPERATING SYSTEMS – 3 hrs. Introduction to the concepts, structures, mechanisms and principles of contemporary operating systems. The course covers fundamental technology as well as contemporary design issues. Prerequisites: CIS 270, 340.

463. BUSINESS MODELING – 3 hrs. An analysis of the highest level of information support systems, with practical applications, which aid the manager in the decision-making process. Prerequisites: CIS 271 & GBUS 303.

471. ADVANCED COMPUTER APPLICATIONS – 3 hrs. This hands-on course is designed to give senior students advanced practical problem-solving skills utilizing the latest in computer software. Topics include advanced word processing, advanced spreadsheets, presentation management, operating systems and Internet applications. Additional topics may be included based on current employer expectations. Pre-req: CIS 271, Senior status.

478. SPECIAL TOPICS - 1-3 hrs. 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 Program Director.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, program director, and college dean.

480. BUSINESS INTELLIGENCE – 3 hrs. This course will provide the students an integrative foundation in the field of Business Intelligence. Students will gain an understanding of how to transform business data, developed from data mining, data warehousing, and data-driven communication into useful information which will support the business decision-making process. Students will learn to extract and manipulate this data through the use of management dashboards, scorecards, and other resources. Pre-req: BIS 372 or CIS 372.

481. WEB & APPLICATION DEVELOPMENT – 3 hrs. 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 as well as Mobile application development. Pre-req: BIS 340 or CIS 340.

482. NETWORKING/ HARDWARE – 3 hrs. Students will acquire skills in network setup and configuration techniques utilizing several operating systems, program routers; setup firewall hardware and software; configure wired and wireless access points; and wiring patch panels. Students will also become familiar with routine PC and network maintenance and diagnostic procedures. Pre-req: BIS 366 or CIS 366.

483. DATABASE DESIGN / SQL – 3 hrs. 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. Pre-req: BIS 372 or CIS 372.

484. OPERATION RESEARCH/ STAT ANALYSIS – 3 hrs. The study of mathematical models, operations research and solution techniques in the development of high level technical reports used in the business decision-making process. Pre-req: BIS 340 or CIS 340.

485. INFORMATION SECURITY – 3 hrs. This course is offered as an introduction to Information Security and will provide the foundation for the recognition and usage of various security activities, methods, and procedures to protect both personal and business information and to respond to security threats. In addition, basic security management practices such as disaster planning, laws and regulations, and ethical security practices will also be covered. Pre-req: CIS 366 or BIS 366.

496. WASHINGTON SEMINAR - 1-3 hrs. 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 hrs. Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

CREATIVE ARTS THERAPY (CAT)

200. INTRODUCTION TO CREATIVE ARTS THERAPY- 3 hrs. Introduces students to the basic overall history, theory, and concepts of the art therapy and Art Therapy profession. Course content explores the different orientations of Art for therapy and art psychotherapy and approaches that comprise this discipline, including populations that are served. Art therapists who work within a wide range of settings are invited to present to the class to balance the theoretical with the practical.

300. DEVELOPMENTAL AND COMPARATIVE STAGES IN ART - 3 hrs. This course covers the developmental stage of art therapy as seen in Viktor Lowenfeld Artistic Stages of Development comparatively to additional innovative Art Therapy Developmental Theorists as evidenced in the artwork of children and/or adults with of emotional, cognitive, medical, and behavioral difficulties. The artwork will be explored in context indicators of disturbance within the artwork, associative references and selection of media. Pre-req: CAT 200.

301. ART THERAPY STUDIO - 3 hrs. Integration of art therapy, art, pathological, medical and psychological dynamics within a classroom experience, knowledge of psychological diagnosis, media and art therapy tasks; to include classroom presentation for evaluative purposes. Prerequisite: ART 210, 220, or consent of the instructor.

302. ART THERAPY STUDIO II - 3 hrs. The emphasis in this course continues a subjective intrinsic experience in art-making, further integrating artistic knowledge while creating a definition between the interplay of the visual world between the art-maker and the creative arts as applied in practice based on more complex pathologies. The student will illuminate the development of different art processes as well as increased awareness of their creative process in their psychological, cognitive, and emotional responses. It further examines the student insight of the symbologies found within art.

310. ART THERAPY ISSUES - 3 hrs. This course explores and makes applicable the study of the manner in which psychoanalysis, philosophy, theory, and research interface with ethics in Art Therapy, its practice respecting the sensitivity to socio/multicultural diversity. Students will read current topics applying areas of assessment, treatment techniques, ethical and legal issues, research, and multicultural concerns in the knowledge for potential projects and critical discussion.

340. ART THERAPY LITERATURE AND SYMBOLISM - 3 hrs.
Multiple concepts of theoretical constructs are explored within the context of the symbolism, meaning, and the inter-subjective/artistic matrix found in Literature and the visual dialogue within the creative arts. A comprehensive overview of historical and present day topics in the media, literature, and film will be analyzed as a source of ethical development, pathological and theoretical insight.

400. ART THERAPY ETHICS, PSYCHOANALYSIS, PHILOSOPHY AND THEORY - 3 hrs. The integration of psychoanalysis, philosophy, ethics and theory, interfaced in the arts in therapy. Case studies will be reviewed and discussed as assigned and as appropriate to the subject matter. Pre-req: CAT 301.

401. ART THERAPY RESEARCH - 3 hrs. This course introduces art therapy students using scientific methods in art therapy, assisting students in the development of a competent evidence based practice. Research theories, philosophies, and methods will be discussed, reviewed and implemented into a research-oriented thesis. This will be presented with a panel of thesis advisors and presented at the end of the semester as a thesis defense at the Senior Research Thesis Defense. Co-requisite: 402 Senior Research Thesis; Pre-req: CAT 400, PSYCH 301.

402. SENIOR RESEARCH THESIS - 3 hrs. The research oriented thesis will be presented with a panel of two (2) to three (3) thesis advisors and

presented at the end of the semester as a thesis defense at the Senior Research Thesis Defense. Co-requisite: CAT 401; Pre-req: CAT 400.

403. ART THERAPY INTERNSHIP AND OBSERVATION - 3 hrs. This course provides an enhancement of observational skills within a nine week clinical placement/observation. This clinical observation anticipates the culmination in a supervisory reflective setting with the designated supervisor integrating theoretical and applied learning. Pre-req: CAT 200, 310.

440. ART THERAPY ASSESSMENTS AND TECHNIQUES - 3 hrs. This course provides an enhancement of observational skills within a nine-week clinical placement/observation. This clinical observation anticipates the culmination in a supervisory reflective setting with the designated supervisor integrating theoretical and applied learning. Pre-req: CAT 200, 301, or consent of the instructor.

486. SENIOR PROJECT CAPSTONE - 3 hrs. Culmination in the completion of Art Therapy Research, Internship and Gallery presentation of select artwork. Pre-req: CAT 401 and CAT 402.

CRIMINAL JUSTICE (CJ)

152. INTRODUCTION TO CRIMINAL JUSTICE - 3 hrs. A survey of the history, organization and function of the various components of the criminal justice system: police, courts and corrections

236. CRIMINOLOGY - 3 hrs. Study of the major theories of criminal behavior, patterns of crime and strategies for social control. Includes a focus on public perceptions and responses to deviant behavior.

238. JUVENILE DELINQUENCY AND JUVENILE JUSTICE - 3 hrs. Explores the problems of Juvenile Delinquency and the Juvenile Justice System in American society. Concepts of delinquency causation and control are discussed in an historical as well as modern perspective. The interrelationship of delinquency and family, school, society and culture are explored as well as problems with gangs and substance abuse.

278. SPECIAL TOPICS – 1-3 hrs. Selected topics at the lower division course level. Students should check schedule for topics currently offered.

281. CONTEMPORARY CORRECTIONS - 3 hrs. A study of the American correctional system. It includes a study of the history of corrections, philosophy of punishment and corrections, correctional institutions, programs and services as well as contemporary issues and problems facing corrections.

302. ETHICS IN CRIMINAL JUSTICE - 3 hrs. 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. Pre-req: CJ 152 and CJ 236.

303. CRIMINAL LAW - 3 hrs. 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. Pre-req: CJ 152 and CJ 236

304. COMMUNITY CORRECTIONS - 3 hrs. Theory and practice of corrections in a variety of community settings (including probation/parole, half-way houses). Pre-req: CJ 152 and CJ 236

305. CONTEMPORARY LAW ENFORCEMENT – 3 hrs. The study of the historical and developmental aspect of American law enforcement, including the philosophy of law enforcement, current Constitutional limitations of law enforcement, and a survey of the different law enforcement agencies and responsibilities involved with upholding the law in the United States. Pre-req: CJ 152 and CJ 236.

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Courses CJ 311 through 316 are not normally taught at WLU as a part of the regular WLU curriculum. These six courses are taught at state police cadet academies, training academies for local policemen, and at state correctional academies. These courses are officially recognized for transfer credit toward WLU's B.S. degree in Criminal Justice. Students must be currently employed in the fields of law enforcement and/or corrections and must submit a portfolio with supporting proof of academy graduation to the Department Chair for evaluation.

311. POLICE RECORDS AND WRITTEN REPORTS - 3 hrs. 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 hrs. 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 hrs. The student will have a basic understanding in the use and care of department vehicles. He/she will be thoroughly versed in the art of defensive driving. The student will be made aware of different techniques for patrol. He/she will further be trained in the proper procedures for stopping violators and be made aware of the importance in regard to patrol operations. The student will be aware of the various traffic laws, what constitutes a violation, the elements of those violations, and the evidence necessary to attain a conviction.

314. INTRO TO CRIMINALISTICS - 3 hrs. 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 hrs. 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 hrs. 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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320. VICTIMS OF CRIME – 3 hrs. An in-depth study of criminal victimization with concentration on the theoretical explanations of specific crimes and victimizations, as well as remedies for victims of personal and property crimes. Pre-req: ENG 102, CJ 152, and CJ 236.

323. SEX OFFENDERS – 3 hrs. The course offers a comprehensive survey of sex offenses, sex offenders, sex crime victims, and society's responses to sex offenders. Pre-req: CJ 152, 236.

352. MANAGEMENT AND SUPERVISION - 3 hrs. 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. Pre req: ENG 102 or ENG 103, CJ 152, CJ 236, and CJ 303.

353. CORRECTIONAL ASSESSMENT, CASEWORK AND COUNSELING - 3 hrs. 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. Pre req: CJ 152 and CJ 236.

354. DRUGS AND SOCIETY - 3 hrs. 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. Pre req: CJ 152 and CJ 236.

356. COMMUNITY RESTORATIVE JUSTICE - 3 hrs. Provides the basis for reconciling the interest of victims, offenders, and the community through common programs and supervision practices that meet mutual needs. Pre req: CJ 152 and CJ 236.

416. RESEARCH METHODS IN CRIMINAL JUSTICE – 3 hrs. This course provides a fundamental understanding of research design and data analysis in criminal justice. This includes an examination of quantitative and qualitative research methods, experimental design, survey development, field research, types of data collection, measurement, and sample techniques used in the study of criminal justice inquiry. Pre-req: CJ 152 and CJ 236.

441. AMERICAN CONSTITUTIONAL LAW – 3 hrs. The study of the United States Constitution, including judicial review, the role of political entities, and the relationship between local, state, and federal governments. Includes an introduction to, and the associations with, the organization and administration of political, criminal justice and judicial bureaucracies. Course equivalent to HIST 441 and POLS 441. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

442. LIBERTY & LAW – 3 hrs. The 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 with particular emphasis placed on recent developments in criminal justice. Course equivalent to POLS 442. Pre-req: POLS 442.

452. CRIMINAL PROCEDURE - 3 hrs. 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. Pre-req: CJ 152, CJ 236, ENG 101, and ENG 102.

478. SPECIAL TOPICS - 1-3 hrs. 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). Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

482. CRIMINAL INVESTIGATION - 3 hrs. 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. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103, and CJ 152, and CJ 236.

483. FIELD PLACEMENT IN CRIMINAL JUSTICE - 6 hrs. 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. Pre-req: Senior standing required.

485. SENIOR SEMINAR IN CRIMINAL JUSTICE- 3 hrs. The capstone course of the criminal justice (CJ) program. Includes a comprehensive examination of technical core subjects and focuses on the student's preparation for entry-level employment in criminal justice. Should be taken during the student's final semester of coursework. Pre-req: Senior standing required.

496. WASHINGTON SEMINAR - 1-3 hrs. Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

DANCE (DAN)

100. DANCE APPRECIATION - 3 hrs. This course will provide an introduction to aspects of dance as cultural, spiritual, and aesthetic expression, exploring origins and the related roles of the dancer, choreographer, and spectator. Historical and critical readings, video-illustrated lectures by the instructor and participation in dance experience during class time will acquaint the student with masterpieces of dance theater art and develop the student's responsiveness to dance.

150. MODERN DANCE I - 2 hrs. Introduction to modern dance. Techniques and basic elements of modern dance. Designed for students with limited or no previous experience.

155. JAZZ I - 2 hrs. Introduction to jazz dance. Techniques and basic elements of jazz dance. Designed for students with limited or no previous experience.

160. TAP I - 2 hrs. Introduction to tap dance. Techniques and basic elements of tap dance. Designed for students with limited or no previous experience.

165. BALLET I - 2 hrs. Study of basic ballet terminology, barre work, center floor exercises.

250. MODERN DANCE II - 2 hrs. Further study and application of basic movement vocabulary, alignment, complex movement patterns, style and performance. Pre-req: DAN 150.

255. JAZZ II - 2 hrs. Further study of jazz dance technique. Pre-req: DAN 155.

260. TAP II - 2 hrs. Further study of tap dance technique. Pre-req: DAN 160.

275. BALLET II - 2 hrs. Further study of beginning ballet with emphasis on structural alignment, barre work and center floor exercises. Pre-req: DAN 165.

300. DANCE HISTORY - 3 hrs. A survey of the development of dance as concert art form, beginning with foundation of classical ballet through the early 20th century development of modern dance. Pre-req: DAN 100.

400. PRINCIPLES OF CHOREOGRAPHY AND IMPROVISATION - 3 hrs. Exploration of the creative process of choreographer; focusing on the tools of choreography beginning with improvisation and ending with complete pieces of dance. Pre-req: Permission of instructor.

DENTAL HYGIENE (DH)

110. INTRODUCTION TO DENTAL HYGIENE - 1 hr. 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 hrs. A study of the anatomy, physiology, and embryology of the head, neck and oral cavity. Must be Associate degree-seeking DH student.

156. TOOTH MORPHOLOGY - 2 hr. A study of the structures of the oral cavity, embryological development of the face, oral cavity and tooth development as well as the human dentitions including histology, anatomy, morphology and eruption. Must be Associate degree-seeking DH student.

185. CLINICAL DENTAL HYGIENE - 3 hrs. 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. Must be Associate degree-seeking DH student.

186. CLINICAL DENTAL HYGIENE LAB - 2 hrs. Students meet for two, three-hour laboratory sessions weekly. This course provides dental hygiene students with the fundamental principles of instrumentation. Emphasis is on the development of manual dexterity, ergonomics and the introduction to clinical procedures. CPR for healthcare providers is provided. Must be Associate degree-seeking DH student.

187. REVIEW OF CLINICAL DENTAL HYGIENE I SKILLS – 1 hr. One three-hour laboratory session weekly. Laboratory exercises designed to review and enhance the continued development of clinical skills required for advancement to Clinical Dental Hygiene II.

225. PERIODONTOLOGY I – 1 hr. This course provides an introduction to the study of periodontology. Topics include the anatomy of the periodontium, the microbiology of periodontitis and assessment methods utilized for the detection and diagnosis of disease. Must be Associate degree-seeking DH student.

237. RADIOGRAPHY - 2 hr. Lectures will cover the nature and production of x-rays, hazards, interpretations of processed radiographs, and the fundamentals of digital radiography. Must be Associate degree-seeking DH student.

238. RADIOGRAPHY LAB - 1 hr. Practical laboratory experience in exposing x-ray films/ digital sensors on manikins using bisecting and paralleling technique. Student will experience darkroom automatic processing of films. Infection control and handling of patient films/sensors will be discussed. Exposing and importing digital radiographs will be covered. Must be Associate degree-seeking DH student.

267. DENTAL MATERIALS - 1 hr. 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 presented. Whitening lecture meets a portion of the criteria for obtaining a West Virginia Dental Hygiene Light Activated Bleaching certificate. Must be Associate degree-seeking DH student.

268. DENTAL MATERIALS LAB - 1 hr. 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. Whitening lab meets a portion of the criteria for obtaining a West Virginia Dental Hygiene Light Activated Bleaching certificate. Must be Associate degree-seeking DH student.

278. SPECIAL TOPICS - 1-3 hrs. 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 - 3 hrs. This course expands on the fundamental knowledge, concepts and competencies required for the clinical practice of the dental hygienist. Emphasis is placed on the development of a patient-centered comprehensive dental hygiene care plan and the delivery of appropriate treatment. The recognition, evaluation and management of medical emergencies are emphasized. Students will complete a literature review on a dental hygiene topic of their choice and prepare a Table Clinic Presentation. Must be Associate degree-seeking DH student.

286. CLINICAL DENTAL HYGIENE II LAB - 2 hrs. Students meet for two, four-hour clinic/laboratory sessions weekly. This course provides students the opportunity to continue to develop and improve clinical skills as they begin providing care for clinic patients. Principles of assessment, treatment planning, ultrasonic instrumentation and electronic patient records are introduced. Must be Associate degree-seeking DH student.

287. REVIEW OF CLINICAL DENTAL HYGIENE II SKILLS - 1 hr. 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 II - 1 hrs. This course builds on foundational knowledge gained in DH 225 Periodontology I. Emphasis will be on the prevention and treatments available for the patient with periodontitis. Prognosis and maintenance protocols after therapy will be discussed**.** Must be Associate degree-seeking DH student.

331. GENERAL AND ORAL PATHOLOGY - 3 hrs. A study of the basic principles relating to pathologic processes, with emphasis on the diseases that manifest themselves in or on the head, face, neck and oral cavity and the effects of systemic disease on the oral cavity. Must be Associate degree-seeking DH student.

340. NUTRITION IN DENTISTRY - 2 hr. 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. Must be Associate degree-seeking DH student.

350. PHARMACOLOGY FOR THE DENTAL HYGIENIST - 2 hrs. This course is an introduction to the physical, chemical and pharmaceutical properties of drugs with emphasis relative to the treatment of the dental patient. Must be Associate degree-seeking DH student.

360. COMMUNITY DENTAL HEALTH - 3 hrs. Course designed to aid the dental hygiene student in defining and implementing their role as a dental health educator in the community. Emphasis will be on methods, materials, and resources used to promote better dental health through school and community services. Instruction will include the role and scope of federal, state, and local governments in health care delivery. Must be Associate degree-seeking DH student.

365. ETHICS, JURISPRUDENCE AND DENTISTRY - 1 hr. 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 licensing and 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. Must be Associate degree-seeking DH student.

380. CLINICAL DENTAL HYGIENE III - 2 hrs. Classroom lectures and demonstrations are integrated to enhance continued student competency and development of dental hygiene skills. The chemically dependent patient and smoking cessation techniques are discussed in addition to patient characteristics related to treating patients through the lifespan from infancy through geriatric. Mental health issues are also discussed. Must be Associate degree-seeking DH student.

381. CLINICAL DENTAL HYGIENE III LABORATORY - 3 hrs.
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. Must be Associate degree-seeking DH student.

382. REVIEW OF CLINICAL DENTAL HYGIENE III SKILLS - 1 hr. 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 - 2 hrs. Lectures and group discussion focus on patients with developmental, physical, and mental disabilities, the geriatric and homebound patient. Issues related to oral maxillofacial surgery, cleft lip/palate and child/elder abuse and neglect are discussed. Field experience in dental offices, schools, handicapped and geriatric facilities. Resume and cover letter development will be utilized during mock interviews. Must be enrolled in DH program. Must be Associate degree-seeking DH student.

386. CLINICAL DENTAL HYGIENE IV LAB - 3 hrs. Students meet for three, four-hour clinic/laboratory sessions weekly. This course continues to correlate all phases of clinical dental hygiene procedures for patient oral health assessment, planning, treatment and evaluation. Emphasis is on total patient care using critical thinking skills and problem-solving strategies. Principles of self-evaluation and quality assurance are addressed. Must be Associate degree-seeking DH student.

387. REVIEW OF CLINICAL DENTAL HYGIENE IV SKILLS - 1 hr. 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 hrs. 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. Must be Associate degree-seeking DH student.

400. INTRAORAL PHOTOGRAPHY - 1 hr. This lab course will introduce intraoral photography equipment and techniques in laboratory and clinical settings. Proper use, handling and care of equipment including infection control will be covered. A basic intraoral photo series will be taken during hands on lab/clinical learning sessions. Must be Associate degree-seeking DH student.

440. EVIDENCE-BASED DENTISTRY- 2 hr. Course content and exercises are designed to introduce the dental hygiene student to current scientific, evidenced-based 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. Must be Associate of Bachelor's degree-seeking DH student.

445. MULTIDISC. APPROACH TO PATIENT CARE – 1 hr. A multidisciplinary approach to comprehensive patient care incorporating various healthcare professions and their role in patient management. Differentiation of various medical tests, labs, and evaluation of healthcare professions will be discussed. Must be Associate degree-seeking DH student.

450. SENIOR RESEARCH IN DENTAL HYGIENE EDUCATION - 3 hrs. The course is designed to expose the senior dental hygiene student to research methodology, design and its application to the dental hygiene profession. Emphasis is placed upon the major steps of the research process including analysis and critique of research literature. Must be Associate degree-seeking DH student.

460. PAIN MANAGEMENT - 3 hr. 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. Must be Associate degree-seeking DH student.

462. PATIENTS WITH SPECIAL NEEDS – 2 hr. A survey of physical, developmental, mental, sensory, behavioral, cognitive or emotional impairments that may occur in patients being treated in the clinical setting. Oral manifestations and modifications in the clinical management of patients with such impairments will be discussed. Must be Associate degree-seeking DH student.

464. EDUCATIONAL METHODS FOR THE DH – 2 hrs. Focus on oral health education incorporating educational media for the dental hygienist with emphasis on teaching, learning, planning and assessment. Must be Associate degree-seeking DH student.

465. RURAL PRACTICE DENTAL HYGIENE PRECEPTORSHIP – 3 hrs. An elective course for dental hygiene majors scheduled during the summer between the first and second year or immediately following completion of the Associate Degree. Students participate as members of a total health care team in treating patients and in development and implementation of community health policy in the WV Rural Health Education Partnership experience for a three-week period under the direct supervision of a preceptor dentist. Pre-req: Approval by program director prior to enrollment.

466. PRACTICE MANAGEMENT FOR THE DENTAL TEAM - 2 hrs. 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. Must be Associate degree-seeking DH student.

470. DENTAL HYGIENE BOARD REVIEW – 2 hrs. An organized review for the National Board Dental Hygiene Exam is provided. Emphasis is on the scientific basis for dental hygiene practice, the provision of clinical dental hygiene services, community dental health and research principles. Application procedures for the National and Regional Board exams will be discussed. Must be Associate degree-seeking DH student.

478. SPECIAL TOPICS - 1-3 hrs. 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 hrs. Student will pursue a special area of interest, supervised by an instructor. Course will be developed to suit individual needs of student. Permission of program director required.

DIGITAL MEDIA DESIGN (DMD)

101 INTRO TO DIGITAL MEDIA DESIGN - 3 hrs. An introduction to the basic digital media design concepts including graphic design, photography, publishing, video, audio, animation, and business information systems.

104. DRAWING AND DESIGN – 3 hrs. This course is a studio art foundational course designed to introduce the principles of art and design. The course covers 2-D design principles, drawing, craftsmanship and presentation.

201. SOPHOMORE PORTFOLIO - 1 hr. The development of an electronic portfolio designed to document work completed and discussion of future career paths. A minimum grade of "C" is required to progress in the program. Offered in the spring semester.

203. ADOBE VIDEO EDITING - 3 hrs. Video editing in Adobe Premiere and Final Cut Pro. The course concentrates on editing for documentary film, music video and short features.

204. RADIO PRODUCTION - 4 hrs. 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.

300. SIGHT, SOUND, AND MOTION – 3 hrs. This course is used to examine how pictures, sounds, and motion communicate sense and meaning in contemporary electronic media and ethical issues facing media – including radio, sound recordings, television, motion pictures, video games, web publishing, and computer animation.

329. DMD ON-CAMPUS INTERNSHIP 2 hrs. Students will be given specific responsibilities as interns for on-campus organizations such as the recording studio, television station, radio station, graphic design lab, video lab, The Trumpet student newspaper, or other such organziations depending on the studetn's chosen track.

475. PROFESSIONAL INTERNSHIP: DIGITAL MEDIA DESIGN - 3 hrs. 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 hrs. 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 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of the instructor, department chairperson, and college dean.

490. SENIOR PROJECT - 4 hrs. The development of a comprehensive digital media design project from concept to completed form in an internship setting. A minimum grade of "C" is required for graduation.

ECONOMICS (ECON)

100. INTRODUCTION TO POLITICAL ECONOMY - 3 hrs. 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.

103. PRINCIPLES OF MICROECONOMICS – 3 hrs. 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.

104. SURVEY OF ECONOMICS – 3 hrs. This course provides students with a broad overview of the fundamental terms and concepts of micro and macroeconomics. The field of economics is divided into two sub-fields: Microeconomics and Macroeconomics. This class is a combination of both areas of economics. Microeconomics topics include: supply and demand, the economics of public sector, and firm behavior. Macroeconomics topics include: national income accounting, gross domestic product, unemployment, inflation, fiscal policy, monetary policy, international trade, international finance, money creation, and the banking system. By the end of this class, students will be able to define and explain the basic micro and macroeconomics concepts with both verbal arguments and graphical tools and use them to critically examine economic issues.

203. PRINCIPLES OF MACROECONOMICS – 3 hrs. 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. Pre-req: ECON 103.

278. SPECIAL TOPICS - 1-3 hrs. 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 program director.

300. MONEY AND BANKING - 3 hrs. 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. Pre-req: ECON 101 or 203 and ECON 102 or 103.

303. MANAGERIAL ECONOMICS - 3 hrs. Economic analysis of the business firm and its environment; emphasizing market structure, demand functions, production possibilities and cost factors.

305. INTERMEDIATE MICROECONOMICS - 3 hrs. 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. Pre-req: ECON 102 or 103.

306. INTERMEDIATE MACROECONOMICS - 3 hrs. An intermediate analysis of national income determination and basic monetary and fiscal policy. Pre-req: ECON 101 or 203.

307. ECONOMIC HISTORY OF THE UNITED STATES - 3 hrs. The westward movement; growth of industry; agriculture, commerce, banking, finance, transportation, trust movement, and labor. Special concentration in the economics of these areas. Pre-req: ECON 101 or 203.

310. HISTORY OF ECONOMIC THOUGHT - 3 hrs. How economic doctrines and analysis have emerged from the earliest times to the modern era. Pre-req: ECON 101 or 203 or ECON 102 or 103.

311. COMPARATIVE ECONOMIC SYSTEMS - 3 hrs. The basic institutions of our American economic system and a comparison with the past and with other existing economic systems. Pre-req: ECON 101 or 203.

312. HEALTH CARE ECONOMICS - 3 hrs. Health economics is designed to introduce upper level health-care management students to the study of health care economics. The delivery and production of health care differ from the incentives in other consumer goods, and health-related markets constitute a unique topic for study as they contribute a growing portion of the nation's Gross Domestic Product. Topics include how health care differs from other consumer goods and services, its distinguishing features in the United States, health care reform, models of health care finance in other countries, and basic economic evaluation techniques used in this economic subfield. Pre-req: ECON 101 or 203.

320. LABOR ECONOMICS - 3 hrs. 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. Pre-req: ECON 101 or 203 or ECON 102 or 103; ECON 305 suggested but not required.

400. MONETARY THEORY - 3 hrs. Study of the theories of money and interest; and monetary and fiscal policy. Pre-req: ECON 101 or 203 or ECON 102 or 103.

407. PUBLIC FINANCE – 3 hrs. Economic analysis of the sources of government revenue and their efficient allocation. Pre-req: ECON 102 or 103.

409. INTERNATIONAL ECONOMICS - 3 hrs. 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. Pre-req: ECON 101 or 203 or ECON 102 or 103.

413. SOCIAL ECONOMICS - 3 hrs. 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. Pre-req: ECON 101 or 203 or ECON 102 or 103.

478. SPECIAL TOPICS - 1-3 hrs. 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 Program Director.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student

requests require approval of instructor, program director, and college dean.

496. WASHINGTON SEMINAR - 1-3 hrs. 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 hrs. 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.

EARLY EDUCATION (EED)

278. SPECIAL TOPICS - 1-3 hrs. A course category for selected topics in the general field of Early Education. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

280. EARLY CHILDHOOD DEVELOPMENT - 3 hrs. This course provides students with the foundation of child development from pre-birth through age 8 and prepares students for understanding the social/emotional, physical, language, and cognitive development of young children. Emphasis is placed on emerging issues and trends in the field, historical and multicultural perspectives on childhood, and the evolution of the study of early childhood development. Theories that have a practical application for early childhood professionals will be emphasized so that developmentally appropriate best practices can be identified. Particular focus will be placed on family influences in early childhood development. A letter grade of a "C" is required for this course.

301. DESIGNING EFFECTIVE LEARNING ENVIRONMENTS – 3 hrs. This course provides students with the knowledge and skills necessary to identify and utilize developmentally appropriate practices for children, ages birth through eight. Skills needed to choose developmentally appropriate materials, design developmentally appropriate learning environments, and carry out developmentally appropriate curricula will be emphasized. Technology integration for teaching and learning will be studies. The interplay of early learning standards and multiple curriculum options will be explored. Early childhood developmental stages will be reviewed and applied as it relates to activity and unit planning. Additionally, family conferencing and diversity will be discussed. A letter grade of "C" is required for this course.

330. ASSESSMENT IN EARLY EDUCATION - 3 hrs. This course provides students with understanding the role of assessment in the early childhood classroom as it relates to designing and implementing developmentally appropriate programs and supporting and fostering the early childhood curriculum. Students will study, develop, and implement a range of assessment tools and approaches for gathering, documenting, interpreting, and analyzing results in early childhood education. There is a focus on classroom observations, the use of technology as an assessment tool, and examining methods for positively communicating with families, community, and other professionals when reporting assessment results. Emphasis is placed on developmental and differentiated assessment strategies for children birth through age six (6) including children with special needs. Field experience is required. A letter grade of "C" is required. Pre-req: EED 280 and EED 301.

380. DEVELOPMENTALLY APPROPRIATE PRACTICE & CURRICULUM - 3 hrs. This culminating course puts into practice the study of content standards and developmentally appropriate practices involved in planning, implementing, and evaluating early learning. Emphasis will be placed on identifying, choosing, and implementing evidence-based instructional strategies that are geared toward the abilities and interests of each individual child. Technology integration in the planning, delivery, and assessment process will be studied. Instructional strategies related to communication, transition, behavior, and cross-disciplinary academic subjects (including math, literacy, science, social studies, and the arts) will be discussed and teaching to mastery and for generalization will be highlighted. A letter grade of "C" is required for this course.

478. SPECIAL TOPICS - 1-3 hrs. 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 hrs. Directed individual work under the early education faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

483. STUDENT TEACHING IN EARLY EDUCATION - 1-4 hrs. Student teaching in level K. Pre-req: Completed all published requirements for eligibility and EED 280, EED 301, EED 330, EED 380.

485. EARLY INTERVENTION STUDENT TEACHING GENERAL EDUCATION – 5 hrs. Student teaching in general education level Pre-K/K. Must be admitted to Professional Semester. Pre-req: SPED 351.

EDUCATION (EDUC)

100. INTRODUCTION TO PROFESSIONAL EDUCATION - 1 hr. This course is a combination of direct instruction, simulations, and group discussions. It is used to acquaint prospective education students with the teaching profession and the "Teacher as a Catalyst" conceptual framework of the college's teacher education program. Minimum grade of "C" is required.

201. HUMAN DEVELOPMENT - 3 hrs. 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.

205. INTEGRATED ARTS FOR ELEM. TEACHERS – 3 hrs. In this course, teacher candidates will develop the basic skills to meaningfully integrate the arts across the elementary school curricula by learning approaches to guide K-6 students to express their own views, to interpret the arts from diverse cultures that address important life issues across time and place, and to explore the differences and the commonalities that the arts share with other disciplines. Elementary Education majors only.

207. FOUNDATIONS OF EDUCATION - 3 hrs. An examination of the historical, cultural, philosophical, and sociological foundations of education as they apply to the characteristics of an effective school. Special emphasis is given to cultural pluralism in education. Minimum grade of "C" required.

209. FIELD PRACTICUM I - credit / no credit. In this course, teacher candidates will participate in activities in collaboration with the assigned classroom teacher. Particular attention will be given to identification and assessment of diversity within the school and classroom environment. Successful completion of this course is required for admission to the Teacher Education program. This course requires 15 hours of field participation in an approved school-based setting. Credit / no credit.

278. SPECIAL TOPICS - 1-3 hrs. A course category for selected topics in the general field of education. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

290. INSTRUCTIONAL TECHNOLOGY - 3 hrs. 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. Letter grade of "C" or better required.

293. INSTRUCTIONAL DESIGN AND ASSESSMENT FOR MIDDLE/SECONDARY TEACHERS- 3 hrs. A research-based course which focuses on adolescent development and psychology as related to teaching, learning, planning, and assessing in middle and high school classrooms. Letter grade of "C" is required. Pre-req: C or better in EDUC 301 and Admission to Teacher Education program; Co-req: SPED 320, EDUC 309, 340, 342, READ 302.

301. EDUCATIONAL PSYCHOLOGY - 3 hrs. A study of learners and the learning process, this course includes principles of learning theory and its application to the classroom. Pre-req: C or better in EDUC 100, 207, 290, and SPED 241.

309. FIELD PRACTICUM II - credit / no credit. In this course, teacher candidates will implement content, pedagogy, and technology skills required of practicing classroom teachers. Students will participate in creating and implementing 21st century lessons with PK-12 students. This course requires field participation in an approved school-based setting as outlined in the Practicum II handbook. Credit / no credit. Pre-req: C or better in EDUC 301 and Admission to Teacher Education. Co-requisites: EDUC 293, READ 302, SPED 320, EDUC 340, 342.

311. FIELD PRACTICUM II: ELEMENTARY – credit/ no credit. In this course, teacher candidates will implement content, pedagogy, and technology skills required of practicing classroom teachers. Students will participate in creating and implementing 21st century lessons with PK-6 students. This course requires field participation in an approved school-based setting as outline in the Practicum II handbook. Credit/no credit. Pre-req: C or better in EDUC 301 and admission to Teacher Education. Co-reqs: EDUC 460, 461, 462, 463, SPED 412, READ 417.

315. MULTICULTURAL EDUCATION – 3 hrs. Multicultural education is essentially designed to critically examine issues associated with diversity. This course will explore several issues, some of which are: race, ethnicity, gender, socioeconomic, nationality, bilingual education, teacher attitude and the interactions of these dynamics in school and society from a multiple perspective. Students will be encouraged to challenge the traditional culturally deprived paradigm theories and embrace the cultural difference paradigm and research that is committed to success for all children.

340. METHODS AND MATERIALS FOR SECONDARY EDUCATION - 2 hrs. This course offers instruction in curriculum, methods, and materials for teaching adolescent and middle childhood students. It includes a field experience in an approved school setting. Pre-req: Admission to Teacher Education and C or better in EDUC 301. Co-requisite: EDUC 293, 309, 342, SPED 320, READ 302.

341. METHODS AND MATERIALS FOR MIDDLE SCHOOL EDUCATION – 2 hrs. This course offers instruction in curriculum, methods, and materials for teaching middle childhood students. Pre-req: EDUC 301 and Admission to Teacher Education.

342. METHODS AND MATERIALS FOR SECONDARY EDUCATION LAB - 1 hr. This course offers instruction in content specific strategies and assessment for teaching adolescent and middle childhood students. It includes a field experience in an approved school setting. Pre-req: Admission to Teacher Education, C or better in EDUC 301. Co-requisite: EDUC 293, 309, 340, READ 302, and SPED 320.

343. ELEMENTARY HEALTH & PE – 2 hrs. This course provides an introduction to wellness content, concepts, and skills within the context of an elementary classroom. Students will explore foundations of anatomy, physiology, and nutrition leading to an understanding of wellness concepts such as healthy behavior, food and nutrition, and injury and disease prevention. Emphasis will be placed on connecting wellness concepts to academic curricula. Students will also study core content in physical education including locomotor and nonlocomotor skills, manipulative skills, and fitness knowledge and skills.

356. CURRICULUM AND METHODS IN SOCIAL SCIENCES - 3 hrs. Curriculum, methods, and materials for teaching Social Studies to adolescent and middle childhood students. Includes a field experience in an approved setting. Pre-req: Admission to Professional Education *(This includes passing all three PPST tests and achieving an overall G.P.A. of at least 2.50)*, EDUC 301. To be taken prior to the Professional semester. Minimum grade of "C" required.

362. CURRICULUM AND METHODS IN SCIENCE - 3 hrs. Curriculum, methods, and materials for teaching science. Includes a field experience in an approved setting. Pre-req: Admission to Professional Education *(This includes passing all three PPST tests and achieving an overall G.P.A. of at least 2.50)*, EDUC 301. To be taken prior to the Professional semester. Minimum grade of "C" required.

364. CURRICULUM AND METHODS IN MATHEMATICS - 3 hrs. Curriculum, methods, and materials for teaching mathematics. Includes a field experience in an approved setting. Pre-req: Admission to Professional Education *(This includes passing all three PPST tests and achieving an overall G.P.A. of at least 2.50)*, EDUC 301. To be taken prior to the Professional semester. Minimum grade of "C" required.

369. CURRICULUM AND METHODS IN PHYSICAL EDUCATION - 3 hrs. Construction of curriculum based on characteristics and needs of students. Methods and techniques of teaching physical education grades K4, 58, 912. Includes a field experience in an approved setting. Pre-req: Admission to Professional Education *(This includes passing all three PPST tests and achieving an overall G.P.A. of at least 2.50)*, Junior standing and all activity classes. To be taken prior to the Professional semester. Minimum grade of "C" required.

373. CURRICULUM AND METHODS IN HEALTH - 3 hrs. Curriculum, methods and materials for teaching health to Early Childhood, Middle Childhood and Adolescent students. Includes a field experience in an approved setting. Pre-req: Admission to Professional Education *(This includes passing all three PPST tests and achieving an overall G.P.A. of at least 2.50)*, EDUC 301. To be taken prior to the Professional semester. Minimum grade of "C" required.

403. INSTRUCTIONAL MEDIA - 3 hrs. This course incorporates communication theory with a study of the various media to acquaint future teachers with current and emerging media in education. It includes operating a variety of audiovisual machines producing teacher made visual materials and operating microcomputers. Minimum grade of "C" required.

409. SCHOOL LAW AND ORGANIZATION - 1 hr. A study of school law, school organization, and administration for public school teachers. Taken in the professional semester. Minimum grade of "C" is required. Pre-req: Admission to Professional Semester. Required of all education majors.

460. SCIENCE METHODS AND MATERIALS FOR ELEMENTARY AND EED TEACHERS- 3 hrs. A course for elementary and early education majors to be scheduled during the methods block. Will include content and clinical field experiences designed to develop pre-service teachers' instructional skills in the biological, earth and physical sciences so that, as elementary teachers, they can promote understanding and positive attitudes among students related to academic, personal, social, and career applications of the sciences. Pre-req: C or better in EDUC 301 and admission to Teacher Education; Co-req: EDUC 311, 461, 462, 463, SPED 412, and READ 417.

461. MATH METHODS AND MATERIALS FOR ELEMENTARY AND EED TEACHERS- 3 hrs. 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. Pre-req: C or better in EDUC 301 and admission to Teacher Education; Co-reqs: EDUC 311, 460, 462, 463, SPED 412, and READ 417.

462. SOCIAL STUDIES METHODS AND MATERIALS FOR

ELEMENTARY AND EED TEACHERS- 3 hrs. 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. Pre-req: C or better in EDUC 301 and Admission to Teacher Education; Co-req: EDUC 311, 460, 461, 463, SPED 412, and READ 417.

463. INSTRUCTIONAL DESIGN AND ASSESSMENT FOR ELEMENTARY TEACHERS- 2 hrs. A research-based course which focuses on primary development and psychology as related to teaching, learning, planning, and assessing elementary classrooms. Pre-req: C or better in EDUC 301 and Admission to Teacher Education; Co-req: EDUC 311, 460, 461, 462, SPED 412, and READ 417.

464. EDUCATIONAL ASSESSMENT – 2 hrs. 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 hr. 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 hrs. 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 hrs. 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 hrs. Directed individual works under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

480. STUDENT TEACHING IN EARLY CHILDHOOD EDUCATION – 1-5 hrs. The student teaching course. Pre-req: Completed all published requirements for eligibility.

482. STUDENT TEACHING IN ADOLESCENT EDUCATION – 1-4 hrs. The student teaching course. Pre-req: Completed all published requirements for eligibility.

484. STUDENT TEACHING IN MIDDLE CHILDHOOD EDUCATION – 1-5 hrs. The student teaching course. Pre-req: 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 hrs. 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 hrs. 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 hrs. Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

EDUCATION GRADUATE COURSES ARE LISTED UNDER *GRADUATE COURSE DESCRIPTIONS*.

ENGLISH (ENG)

101. COLLEGE COMPOSITION I – 3-5 hrs. Focuses on the fundamentals of expository writing and emphasizes various rhetorical strategies, such as definition, comparison/contrast, and others. This course will also introduce proper quotation, paraphrase, and summary of sources, and will review basic grammatical and mechanical skills. A minimum grade of "C" is required for graduation. Pre-req: English ACT 18 or SAT 450 Verbal. Students not meeting the ACT/SAT requirement will be required to take the 5 credit hour section of this course which includes two hours of weekly supplemental instruction.

102. COLLEGE COMPOSITION II - 3 hrs. A continuation of English 101 and emphasizes persuasion, argumentation, and researched writing. Students will undertake a researched writing project involving several process drafts, which conclude in a well-documented academic essay. A minimum grade of "C" is required for graduation. Pre-req: "C" or better in College Composition 101.

103. ACCELERATED COLLEGE COMPOSITION – 3 hrs. Accelerated three-credit hour composition course for students who have already demonstrated a high level of writing proficiency. After an introduction to the fundamentals of college-level writing, special emphasis will be given to persuasion, argumentation, and research. Pre-req: English ACT 25 or SAT 570 Verbal or an Advanced Placement Score of 3 in English Literature or English Composition.

200. LITERATURE FOUNDATIONS FOR ENGLISH MAJORS- 3 hrs. This course provides instruction in the fundamentals of literary study. Designed with the needs of declared or prospective English majors and minors in mind, it emphasizes literary research, interpretation, and criticism. The course covers three or more literary genres, such as fiction, poetry, drama, nonfiction, or film, and will provide a basic introduction to concepts, terms, and practices commonly encountered in literary study. This course is a prerequisite for all English literature courses numbered above 300. Pre- or co-requisite: ENG 102 or 103. English majors or minors only.

202. LITERATURE APPRECIATION FOR NON-MAJORS - 3 hrs. This course fosters the appreciation of literature through careful readings of poetry, drama, and prose fiction across a variety of periods and cultures. Pre-req or co-req: ENG 102 or 103.

204. BRITISH LITERATURE THROUGH THE 18TH CENTURY - 3 hrs. Old English period through the eighteenth century; emphasis on types, movements, and major figures; attention given to the epic tradition, Renaissance and troubadour poetry, classical lyrics and satires, and drama.

205. AMERICAN LITERATURE BEFORE THE CIVIL WAR - 3 hrs. American writers from Colonial days to 1860 with emphasis upon the Romantics, some reference to world influence.

214. BRITISH LITERATURE AFTER THE 18th CENTURY - 3 hrs. 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 hrs. A survey of American literature from the Civil War to the present, focusing

upon the rise of realism, naturalism, primitivism, and other intellectual, sociological, political and historic trends.

220. PRINCIPLES OF ENGLISH: COMIC STUDIES - 3 hrs. Introduction to visual literacy and narrative theory underlying texts incorporating both illustration and text, with particular emphasis on comics and graphic novels.

221. HISTORY OF SEQUENTIAL ART & LITERATURE - 3 hrs. Historical overview of the development of narratives told through a series of pictures, from early times through the present, with particular emphasis on the development of English: Comic Studies or comics.

260. INTRODUCTION TO CREATIVE WRITING – 3 hrs. An introduction to the crafts of fiction, creative nonfiction, and poetry, with special emphasis on process, revision, and peer feedback.

261. APPROACHES TO TEACHING LITERATURE - 3 hrs. 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. Pre-req: ENG 101, ENG 102.

274. PROFESSIONAL WRITING - 3 hrs. Students will create professional documents that are applicable across a variety of workplace settings. Students will learn to analyze the audience and purpose of professional documents and to adapt expert information for non-expert readers and listeners. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

275. STRUCTURE OF ENGLISH - 3 hrs. An intensive review of traditional grammar; an introduction to the fundamentals of transformational grammar. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

276. LINGUISTICS AND HISTORY OF ENGLISH - 3 hrs. Introduction to the fundamentals of linguistics and the history of the English language. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

278. SPECIAL TOPICS - 1-3 hrs. A course category for selected topics in the general field of English. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

301. LITERATURE OF THE HEBREW BIBLE - 3 hrs. A study of the Hebrew Bible through the History of Israel; the theological ideas and literary qualities found in the diverse books that constitute the Hebrew Bible. (May be taken as REL 301.) Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

305. RENAISSANCE AND EARLY SEVENTEENTH CENTURY - 3 hrs. Significant works of the 16th Century, exclusive of Shakespearean drama, by More, Sidney, Lyly, Kyd, and Marlowe. Also, a study of Milton and a survey of cavalier and metaphysical poets and prose works prior to the Restoration. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

309. CHAUCER - 3 hrs. 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. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

310. NEW TESTAMENT LITERATURE - 3 hrs. 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.) Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

311. SHAKESPEARE - 3 hrs. Principal histories, comedies, and tragedies. Attention to Shakespeare's literary art and to the Renaissance as background. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

312. AMERICAN COLONIAL AND REVOLUTIONARY LITERATURE - 3 hrs. A study of representative American literature from the first English colonies through the early Republic (1830). Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

314. AMERICAN ROMANTIC LITERATURE - 3 hrs. A study of representative American literature from 1830 through the end of the Civil War (1865). Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

315. MULTICULTURAL STUDIES IN LITERATURE - 3 hrs. Addresses a broad spectrum of issues related to cultural diversity through the reading and discussion of literature from a variety of historical periods and geographical locations, and in multiple genres. Rotating topics may focus on themes related to ethnicity, gender, nationality, race, and class. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

316. AMERICAN REALISTIC AND NATURALISTIC LITERATURE - 3 hrs. A study of representative American literature from 1865 through 1930. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

318. AMERICAN MODERN AND POSTMODERN LITERATURE - 3 hrs. A study of representative American literature from 1930 through the present. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

320. YOUNG ADULT LITERATURE - 3 hrs. Addresses specific reading strategies essential for a creative and instructional approach to meeting reading needs of middle school students; resources and techniques are used to explore, analyze, and evaluate a variety of young adult literature. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

323. WRITING FOR COMICS - 3 hrs. Creation of scripts to accompany illustrations in English: Comic Studies. Students will write and critique comic scripts in a number of genres, including superheroes, humor, realistic fiction, and nonfiction. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

330. APPALACHIAN LITERATURE - 3 hrs. A study of representative writers from the Appalachian region, with special emphasis on West Virginia.

354. ENGLISH NOVEL - 3 hrs. English novel from Richardson to Virginia Woolf, emphasizing social and artistic values. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

360. CREATIVE WRITING – POETRY - 3 hrs. 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. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

361. CREATIVE WRITING: FICTION - 3 hrs. 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. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

362. CREATIVE WRITING - NONFICTION – 3 hrs. A process approach to writing creative nonfiction. Special attention given to related forms such as the lyrical essay, memoir, literary journalism, and travel writing. Students discuss on another's work in class and prepare a manuscript as a semester project. Readings in creative nonfiction assigned. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

385. ADVANCED COMPOSITION - 3 hrs. Writing varied types of essays; practice in sentence analysis; reading about writing, with emphasis on prose style. Pre-req: (ENG 101 and 102) or ENG 103. C or better in pre-reqs.

386. RESTORATION AND 18th CENTURY LIT - 3 hrs. A study of the world views of this epoch as they are revealed in the works of Pope, Swift, Johnson, Defoe, Addison, Steele, and others. Pre-req: (ENG 101 and 102) or ENG 103. C or better in pre-reqs.

390. BRITISH ROMANTIC LITERATURE - 3 hrs. A study of representative British literature from the Romantic Era, approximately 1790 to 1840. Pre-req: (ENG 101 and 102) or ENG 103. C or better in pre-reqs.

391. VICTORIAN LITERATURE - 3 hrs. 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. Pre-req: (ENG 101 and 102) or ENG 103. C or better in pre-reqs.

392. MODERN BRITISH LITERATURE - 3 hrs. Prose and poetry of England from 1900 to the Second World War. Pre-req: (ENG 101 and 102) or ENG 103. C or better in pre-reqs.

395. LITERARY CRITICISM - 3 hrs. Principles underlying the literary judgments of critics from Aristotle to the present. Guided practice in the evaluation of literary works. Pre-req: (ENG 101 and 102) or ENG 103. C or better in pre-reqs.

396. HISTORY OF THE ENGLISH LANGUAGE – 3 hrs. A study of the foundations of the English language from earliest historical times to the present. Pre-req: LING 150.

400. COMPOSITION THEORY - 3 hrs. A course focusing on major theoretical and historical movements related to composition and rhetorical studies. Pre-req: (ENG 101 and 102) or ENG 103. C or better in pre-reqs.

410. METHODS OF TEACHING FOREIGN LANGUAGES - 3 hrs. This course is the same as FREN/SPAN 410 and covers methods of teaching foreign language. Includes a required classroom observation component.

412. TOPICS IN ENGLISH: COMIC STUDIES - 3 hrs. A special topics course focused on a specific problem in English: Comic Studies; topics may include the superhero, graphics non-fiction, underground comics, manga, and others. May be repeated for credit with a different topic heading.

460. CONTEMPORARY LITERATURE - 3 hrs. A survey of British and American works of literature published since the Second World War.

478. SPECIAL TOPICS - 1-3 hrs. 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 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

484. DIRECTED READINGS – 1 hr. An interview study of a specific topic under the supervision of a faculty member. Pre-req: Junior or Senior and permission of instructor.

486. ENGLISH INTERNSHIP – 1-3 hrs. A supervised work experience related to the student's major or potential career interest. Pre-req: Junior or Senior, and permission of instructor.

490. WORLD LITERATURE I - 3 hrs. A survey of significant works of ancient and classical literature, with particular emphasis on their role as background to later writers.

492. WORLD LITERATURE II - 3 hrs. A survey in post-colonial literature, including writers of African, Caribbean, East Asian, and South Asian heritages, with particular emphasis on the twentieth and twenty-first centuries.

495. SENIOR SEMINAR - 3 hrs. An exploration of relevant issues within the discipline of English Studies with the purpose of student self-reflection ad preparation for the next stage of career development. Requirements will include a culminating portfolio, a thesis essay, and a formal oral presentation. English majors and Seniors only.

497. WASHINGTON INTERNSHIP - 3-6 hrs. 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 hrs. Students will receive credit for their attendance at a 1-2 week seminar in Washington, D.C., or for additional work performed during their Washington Internship. Credits will be awarded based on the length of the seminar and/or internship activity. The topics of the seminars will vary depending on current events.

ENGLISH AS A SECOND LANGUAGE (ESL)

203. ASPECTS OF AMERICAN ACADEMIC COMMUNICATION - 3 hrs. This course instructs new International students in basics of American culture and communication including intensive phonetics. Students will practice conversational and academic speech and will learn about American culture through field trips and excursions.

210. ADVANCED ENGLISH AS A SECOND LANGUAGE – 3 hrs. Intensive advanced training in listening, speaking, reading and writing English as a second language.

220. ADVANCED ESL SPEAKING SKILLS – 3 hrs. Intensive advanced training in ESL conversation, listening and presentation skills.

470. ADVANCED ORAL EXPRESSION AND PHONETICS - 3 hrs. This course examines the linguistic features and properties of various regional and societal dialects of American English. While students will be trained to produce Standard American English, they will develop an appreciation of the English dialects spoken around the United States with additional; examination of Appalachian and Southern speech. Readings and class discussions will focus on the linguistic rules of various pronunciations, the nature of language change over time and the psychological reality of regional, social and foreign accent.

ENTREPRENEURSHIP (ENT)

202. CREATIVE PROBLEM SOLVING - 3 hrs. This introductory course focuses on creative problem-solving from an entrepreneurial perspective. Content will introduce students to the concepts of creative problem-solving, social entrepreneurship, entrepreneurship, generating innovative ideas, creating entrepreneurial ventures, and the role that entrepreneurship plays within society. It presents the entrepreneur or social entrepreneur as the agent of change in a free market economy, and highlights practical aspects of opportunity recognition and new venture creation.

300. FOUNDATIONS OF ENTREPRENEURSHIP - 3 hrs. This course introduces students to concepts and principles that are foundational for any sort of entrepreneurship, which include: creative problem solving, generating innovative ideas, initiating entrepreneurial ventures, social entrepreneurship, and the role that entrepreneurs play as agents of change in a free market economy. Students will also be exposed to various entrepreneurs through guest lectures.

301. ENTREPRENEURIAL PROMOTIONS - 3 hrs. This course presents the entrepreneur with the fundamental theories of marketing and selling a product or service. Content will introduce students to the concepts of research, product planning, product communication, sales implementation and after - sales service applied to the entrepreneur's vision.

302. NEW PROJECT FEASIBILITY - 3 hrs. This course helps students determine whether their own previously identified opportunities are suitable for the marketplace. Students will apply feasibility concepts to the wide range of challenges encountered when launching commercial and non-profit ventures. Through experiential learning opportunities,

students will apply what they learn to develop a comprehensive plan for their own new project.

303. ETHICS AND ENTREPRENEURSHIP - 3 hrs. This course presents theories and principles of ethics in two contexts. Ethics is studied to determine virtue, what is lawful and what is inspirational. Ethics is also studied to fashion strategies for entrepreneurial success. Ethics will be illustrated as creating competitive advantages, attracting and maintaining customers and motivating the will to be successful.

325. SOCIAL ENTREPRENEURSHIP - 3 hrs. This course engages students in an in-depth study of entrepreneurship in the social sector, an accelerating field of study and practice in today's world. Employing service learning, students are exposed to social entrepreneurs who have developed and implemented organizational models to address social problems and facilitate some meaningful change.

350. ENTREPRENUERSHIP LAW AND ETHICS - 3 hrs. This course studies the legal issues frequently encountered by entrepreneurs. Among other topics, the course specifically examines the basics of intellectual property law, the governmental legal requirements for starting a for-profit or non-profit organization, as well as the legal issues surrounding the raising of capital and structuring the ownership and leadership of an organization. Ethics will be studied as to creating competitive advantage, attracting and maintaining customers and motivating the will to be successful.

364. ENTREPRENEURSHIP AND NEW VENTURES - 3 hrs. 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. Pre-req: MGT 350 and MKT 331.

401. NEW PROJECT CREATION I - 3 hrs. This course provides first-hand experience working alongside entrepreneurs and facilitating the launch of student-conceived business plans. The goal is to enable students to work with commercial and social/non-profit entrepreneurs to gain experience with the multiple facets of entrepreneurship. In this course, students will be immersed as an observer and participant of the entrepreneurial process.

402. NEW PROJECT CREATION II - 3 hrs. This course concentrates on starting and growing new businesses. This course is a continuation of ENT 401 and provides first-hand experience working alongside entrepreneurs and facilitating the launch of student conceived business plans. This course is part 2 of a two semester sequence.

450. VENTURE FINANCE AND ANALYSIS - 3 hrs. 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.

460. TOPICS IN ENTREPRENEURSHIP - 3 hrs. Presentation of selected topics which are of significance in the entrepreneurial activity. Topics will include family-owned and operated businesses, managing and controlling the growing business, product innovation, e-commerce, legal and ethical concerns, and other selected topics..

490. INTERNSHIP IN ENTREPRENEURSHIP - 3 hrs. This course provides an advanced internship experience in a for-profit or non-profit enterprise supervised by professionals on the job in the field of entrepreneurship upon approval of Instructor.

EXERCISE PHYSIOLOGY (EP)

125. INTRODUCTION TO EXERCISE PHYSIOLOGY - 1 hr. 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.

299. BASIC STRENGTH AND CONDITIONING PRINCIPLES - 3 hrs. Scientific principles, theories and practical applications of strength and conditioning in athletic development, program and facility design and individual and group technique. Pre-req: PE 240.

325. EXERCISE PHYSIOLOGY I – 3 hrs. This course consists of the foundational aspects of exercise physiology. The anatomy, physiology, and acute and chronic responses to exercise of the major body systems that play a role in physical activity are investigated. Pre-req: PE 240.

326. EXERCISE PHYSIOLOGY I LAB - 1 hr. This laboratory course will consist of basic exercise physiology and related practical applications including measurements and testing both resting and exercise states. Test and measurements in the health related parameters of cardiovascular fitness, muscular strength, muscular endurance, flexibility, and body composition will be completed. Skill related performance parameters are also addressed in reference to speed, agility, coordination, reaction time, power, and balance. Introduction to GXTs, metabolic circulations, measurements of HR, BP, RR, VO2, RPE, blood lactate, and other physiological variables will occur. Pre-req: PE 240.

333. EXERCISE METABOLISM AND NUTRITION – 3 hrs. This course explores aspects of human metabolism including the basic concepts and kinetics of enzymes; the mobilization, utilization, and regulation of substrates at rest and exercise along with the roles of different tissues; and the pathways of biosynthesis. Using the knowledge of metabolism as a foundation, dietary misconceptions and fads, the dietary needs of athletes, and the effects of ergogenic aids, dietary supplements, and nontraditional dietary practices on human physical performance are examined. Pre-req: EP 325, 326 and HE 300.

352. SPORTS REHABILITATION - 3 hrs. Students will be introduced to the fundamental principles of identifying injury susceptibility, the importance of flexibility and movement pattern assessment and correction through the Functional Movement Systems to enhance performance, and basic fitness and exercise training principles and the benefits of exercise. Students will also learn to evaluate the nutritional profile of an athlete and make appropriate recommendations to maximize sport performance. Pre-req: PE 240.

448. EXERCISE PHYSIOLOGY II – 3 hrs. This course builds off the foundation or EP 325/326 and is inclusive of bioenergetics, metabolism, neural-endocrine control, metabolic response to exercise, pulmonary ventilation, central and peripheral dynamics, muscle physiology, neural control of movement, environmental factors, coronary/vascular disease, nutrition and performance, ergogenic aids, youth/aging/gender differences, fatigue and exercise. In addition, statistics and research design will be further explored. To be taken concurrently with EP 449. Pre-requisite: EP 325/326.

449. EXERCISE PHYSIOLOGY II LAB – 1 hr. This laboratory course involves more in-depth applications, tests, and measurements related to physiological stresses and adaptations to exercise. To be taken concurrently with EP 448. Pre-req: EP 325/326.

450. BIOMECHANICS - 3 hrs. 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. Pre-req: PE 240.

454. CARDIAC REHABILITATION - 3 hrs. 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. Pre-req: EP 448/449.

455. MODIFICATION OF EXERCISE - 3 hrs. This course will encompass the development of exercise programs and exercise management for persons with chronic diseases and disabilities, i.e., cardiovascular, pulmonary and metabolic diseases, and orthopedic diseases and disabilities. An overview of the disease pathophysiology, the effects on the exercise response, training and medications; as well as recommendations for exercise testing will also be discussed. Pre-req: EP 448/449.

460. THEORY OF EXERCISE TESTING, PRESCRIPTION AND PROGRAMS - 3 hrs. Following the ACSM's Guidelines for Exercise Testing and Prescription, consideration will be given to health appraisal; risk assessment; contraindications to exercise testing; informed consent; physical fitness and clinical exercise testing; interpretation of test data; exercise prescription; and common medications. Continuation and completion of research design education and related criteria will occur. Pre-req: EP 454, EP 455.

462. THEORY OF EXERCISE TESTING, PRESCRIPTION AND PROGRAMS LAB - 1 hr. This course is designed to complement the lecture course (EP 460) and further enhance laboratory procedures and tests in Exercise Physiology including ergometry measurements of both health related and skill related parameters. This is a capstone laboratory course drawing on the education received across all previous EP major lecture/lab courses. Students will complete the research project that they proposed during EP 460. Pre-req: EP 460.

464. CLINICAL EXERCISE PHYSIOLOGY SEMINAR – 1 hr. This class will focus on current research in clinical exercise physiology. Students will read, discuss, search for, and review literature. The course will also cover the scientific method, statistical analysis, and their importance in the field. Pre-req: EP 454 and 455.

480. EXERCISE PHYSIOLOGY INTERNSHIP – 1-4 hrs. 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. The student will complete 200 contact hours of observation and/or practical experience throughout the 6 total credit hours to be distributed over the course of at least 3 semesters. Each of the first 2 semesters will be taken as a 1 credit hour course that includes observation and professional development. After completion of these 2 credit hours, students will complete the final 4 credit hours in one or more clinical and/or field sites over one or more semesters. This is a variable credit course. Students must also complete a project approved by their advisor during the internship. Pre-req: Students must have an overall GPA of 2.5 or internship director's approval. EP 325/326.

FINANCE (FIN)

131. FINANCIAL LITERACY - 3 hrs. Introduces student to concepts, tools and applications of personal finance and financial planning. The emphasis is on a practical life-cycle approach to financial planning. Topics covered include personal financial statements and budgets, liquidity and credit management, tax planning and strategies, purchasing decisions, insurance protection, investing, asset management, retirement and estate planning, and the time value of money. This course is open to all students University-wide.

300. PRINCIPLES OF FINANCE - 3 hrs. 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. Pre-req: ACC 224, GBUS 220.

301. FINANCIAL INSTITUTIONS – 3 hrs. 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. Pre-req: FIN 300.

310. INVESTMENT AND PORTFOLIO ANALYSIS I – 3 hrs. 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. Pre-req: FIN 300.

311. INVESTMENT AND PORTFOLIO ANALYSIS II – 3 hrs. Investment and analysis for the financial professional and financial institution. The systematic selection, assessment, and ranking of corporate securities in a portfolio framework through a synthesis of fundamental analysis, technical analysis and random walk. The ethical considerations in the entire investment process, including insider trading, will be stressed. Pre-req: FIN 310.

321. INTRODUCTION TO WEALTH MANAGEMENT - 3 hrs. This course will cover the basics of the financial planning process, client interactions, time value of money applications, personal financial statements, cash flow and debt management. Pre-req: FIN 300.

322. INSURANCE PLANNING - 3 hrs. This course introduces students to risk management and insurance decisions in personal financial planning. Topics include insurance for life, health, disability, property and liability risks, as well as annuities, group insurance, and long-term care. Pre-req: FIN 300.

325. SPORT FINANCE – 3 hrs. Application of concepts from the fields of finance and economics to the sport industry. Topic coverage includes, but is not limited to, revenues and expenses and the issues affecting them, venue financing, feasibility studies, economic impact analysis, ownership, team valuation, fundraising in intercollegiate athletics, and budgeting. Pre-req: ACC 224.

355. INTERNATIONAL FINANCE - 3 hrs. This course is designed to provide a foundation in international finance from both the corporate and banking viewpoints. Pre-req: FIN 300.

424. RETIREMENT PLANNING - 3 hrs. This course will provide students with knowledge of both public and private retirement plans. Pre-req: FIN 300.

425. ESTATE PLANNING - 3 hrs. This course focuses on the efficient conversion and transfer of wealth. Pre-req: FIN 300.

446. PERSONAL FINANCIAL PLANNING CAPSTONE - 3 hrs. This course will engage the student in critical thinking and decision making about personal financial management topics in the context of the financial planning process. Pre-req: FIN 300.

496. WASHINGTON SEMINAR - 1-3 hrs. 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 hrs. Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

FINE ARTS (FA)

101. FINE ARTS AS A HUMAN EXPERIENCE - 3 hrs. 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 hrs. A course category for selected topics in the general field of Fine Arts. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the college dean.

478. SPECIAL TOPICS - 1-3 hrs. A course category for selected topics in the general field of Fine Arts. Students should check the schedule to

ascertain what topics are currently being offered and are further encouraged to recommend topical items to the college dean.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson (if applicable) and college dean.

FRENCH (FREN)

101. BEGINNING FRENCH I - 3 hrs. An introduction to the essentials of French language and culture. Aural comprehension, speaking, reading, and writing activities receive equal attention.

102. BEGINNING FRENCH II - 3 hrs. Further introduction to the essentials of French language and culture. Continued emphasis on aural comprehension, speaking, reading, and writing activities receive equal attention. Pre-req: FREN 101 or equivalent.

201. INTERMEDIATE FRENCH I - 3 hrs. Intermediate study of the essentials of French language and culture. Continued emphasis on aural comprehension, speaking, reading, and writing activities receive equal attention. Pre-req: FREN 102 or equivalent.

202. INTERMEDIATE FRENCH II - 3 hrs. A continuation of the essentials of French language and culture. Continued emphasis on aural comprehension, speaking, reading, and writing activities receive equal attention. Pre-req: FREN 201 or equivalent.

278. SPECIAL TOPICS - 3 hrs. A course category for selected topics in the general field of French. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

301. CONVERSATION AND COMPOSITION I - 3 hrs. This course builds functional language proficiency through conversational practice and essay writing.

302. CONVERSATION AND COMPOSITION II - 3 hrs. A continuation of FREN 301, this course builds functional language proficiency through conversational practice and essay writing. Students will write a research paper and give a presentation in French.

303. ADVANCED FRENCH GRAMMAR AND WRITING -3 hrs. French 303 has two foci: the study of French grammar at the advanced level and a French writing workshop. This course aims to develop competence in written expression in French, with special emphasis on stylistic variations, lexical nuances, and complex grammatical structures. It will serve as a springboard for continued study of French in more advanced literature, culture, or linguistic courses, as well as for a study abroad experience in a Francophone country. Pre-req: FREN 201 or equivalent.

310. SURVEY OF FRENCH LITERATURE – 3 hrs. This course is a survey of major authors of the French literary canon. We will engage in critical reading of poetry, theater, short stories, and novel prose. Emphasis is placed on reading and writing about literature, but active discussion of the texts will also be essential. Revision and rewriting of student essays are integral parts of the course, as well as regular individual conferences. Pre-req: FREN 201 or equivalent.

311. SURVEY OF FRENCH CINEMA – 3 hrs. This course is an examination of French culture through the medium of film. By approaching the films we watch from a variety of perspectives, we will develop a deeper appreciation for the ways in which films produce meaning. We will discover how films tell stories or convey information in specific ways, analogous to works of literature and art. We will discuss how films can be understood and analyzed as cultural objects that reflect and preserve French culture. The emphasis in the coursework is on both discussing and writing critically about French films. We cover important periods and movements in French filmmaking including poetic realism, nouvelle vague (New Wave), and postwar mode retro (inspired by the past). Pre-req: FREN 201 or equivalent.

316. FRENCH CULINARY TRADITION – 3 hrs. This course examines the historical, social and political influences on the various regional cuisines of France. In addition to historic events in the study of food consumption, attention is given to cross-cultural food practices and current food politics on a geo-political scale. Pre-req: FREN 201 or equivalent.

325. BUSINESS FRENCH - 3 hrs. An introduction to French business language and culture. Emphasis will be on language, etiquette and customs in France; however, some French Canadian and West African businesses will also be examined.

340. FRENCH FOR CURRENT AFFAIRS - 3 hrs. This course provides both an introduction to various aspects of contemporary France, as well as an intensive training in speaking and listening comprehension. Through the use of current news media, both written and broadcast, we will investigate the major political, economic, technological and social forces that affect French society today. We will examine the role of France within the European Union and in the world arena. In addition to assigned readings, we will be closely following French television and press in order to discuss current events as they happen. As we expand upon the issues and controversies with French current affairs, we will encourage the development of oral expression and listening comprehension techniques and argumentation strategies through discussion and debate. Pre-req: FREN 201 or equivalent.

350. CIVILIZATION OF FRANCE I - 3 hrs. Study of the development of France and French culture from 496-1500 through texts, art and architecture. Pre-req: FREN 201 or equivalent.

355. ARTS AND CULTURE IN PARIS - 3 hrs. Overview of French art and artists from the Bayeux tapestry to the contemporary period. Special emphasis is given to artists whose collections are permanently found in Paris. Pre-req: FREN 201 or equivalent.

360. FRENCH TRANSLATION - 3 hrs. Contrastive study of written French and English (*thème* and *version*) with translation of texts from English into French and French into English. Pre-req: FREN 201 or equivalent.

401. THE FRENCH NOVEL I - 3 hrs. A critical reading of novels written in French by French authors as well as by Francophone Canadian, African and Caribbean authors. Pre-req: FREN 201 or equivalent.

403. THE FRENCH THEATER I - 3 hrs. A survey of French plays and playwrights from 1600 to the present. Pre-req: FREN 201 or equivalent.

405. FRENCH POETRY I - 3 hrs. An overview of French poetry from 1600 to the present. Pre-req: FREN 201 or equivalent.

410. METHODS OF TEACHING FOREIGN LANGUAGE – 3 hrs. This course is designed to prepare future French teachers in the K-12 schools. The course is organized around the Standards for Foreign Language Learning, commonly referred to as the Five Cs: Communication, Cultures, Connections, Comparisons and Communities. Students will learn about current theoretical bases for second-language acquisition and how theory informs classroom practice. The course does not promote a particular methodology, but rather presents principles of learning from which teachers can draw as they make decisions about instruction. Pre-req: FREN 201 or equivalent.

470. ADVANCED ORAL EXPRESSION AND PHONETICS – 3 hrs. This course examines the linguistic features and properties of various regional and social dialects of French. While students will be trained to produce Standard Parisian French, they will develop an appreciation of the French dialects spoken in Côte d' Azure, Switzerland, Belgium and Quebec. Readings and class discussions will focus on the linguistic rules of various pronunciations, the nature of language change over time and the psychological reality of regional, social and foreign accent. Pre-req: FREN 201 or equivalent.

478. SPECIAL TOPICS - 3 hrs. A course category for selected topics in the general field of French. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty, may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

GENERAL BUSINESS (GBUS)

140. INTRODUCTION TO BUSINESS - 3 hrs. A survey course examining the internal and external environments of business organizations, both domestic and global. Students will explore the forms of business organization and the functional areas of accounting, finance, human resources, marketing, operations, and information technology. Management and leadership skills are also examined, with an emphasis on business ethics and social responsibility. Students will begin to develop business-related critical thinking skills for academic and career success.

220. BUSINESS COMMUNICATIONS – 3 hrs. An introduction to effective organizational communication for success in the workplace. Students will learn and practice basic writing skills for email, memos, reports, proposals, news releases, websites, and social media, as well as skills for creating and delivering professional oral presentation and interacting effectively with colleagues. Resume development and interview techniques for employment will also be introduced. Pre-req: GBUS 140, C or better in COM 101, and a C or better in either ENG 101 or 103.

222. PROFESSIONAL DEVELOPMENT I - 1 hr. This course is a one credit seminar that directs students on a path to a successful career in business. Topics include professionalism, career exploration, resume writing, obtaining internships and etiquette. Pass/Fail grade only. Pre-req: ENG 102.

278. SPECIAL TOPICS - 1-3 hrs. 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 program director.

280. BUSINESS STATISTICS - 3 hrs. 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. Pre-req: MATH 140 or MATH 145 or MATH 210.

303. QUANTITATIVE BUSINESS ANALYSIS - 3 hrs. The use of scientific, mathematical, and quantitative methods as aids to managerial decision making. Pre-req: MATH 140 or MATH 145 or Math 210, and GBUS 220.

322. PROFESSIONAL DEVELOPMENT II - 1 hr. This course is a one credit seminar course and is a continuation of GBUS 222. It focuses on finding the right job and how to excel in the working world. Topics include advanced job searches, interview skills, essential soft skills, career progression, and ethics. Students also participate in mock interviews with employers who are in their field. Pass/Fail grade only. Pre-req: GBUS 222.

325. INTERNATIONAL BUSINESS - 3 hrs. Introduction to the basic concepts and practices of international business. Topics include the economic environment for overseas operations, governmental policies affecting international business, strategy and structure of multinational corporations, ethics in international trade, effects of multinationals on the U.S. economy, and career issues. Pre-req: GBUS 220.

344. LEGAL ENVIRONMENT OF BUSINESS I - 3 hrs. 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. Pre-req: GBUS 220.

420. PROFESSIONAL DEVELOPMENT SEMINAR – 1 hrs. A senior-level course focusing on career transition and workplace professionalism. Students will expand upon and practice job search and interview skills, improve their resumes, and discuss essential soft skills, career progression, and ethical behavior. A mock interview with actual employers completes the course. Pre-req: Senior status, GBUS 220.

444. LEGAL ENVIRONMENT OF BUSINESS II - 3 hrs. A continuation of GBUS 344. Topics covered include agencies, partnerships, corporations, bankruptcy, securities regulation, consumer law, labor law, ethics, property law, and antitrust law. Pre-req: GBUS 344.

446. BUSINESS ETHICS - 3 hrs. 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. Pre-req: Senior status.

478. SPECIAL TOPICS - 1-3 hrs. 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 Program Director.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, program director, and college dean.

496. WASHINGTON SEMINAR - 1-3 hrs. 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.

GEOGRAPHY (GEO)

205. INTRODUCTION TO GEOGRAPHY - 3 hrs. World distribution of the various elements of the natural environment and man's adjustment to this distribution; resultant changes in cultures, politics and economics.

206. WORLD REGIONAL GEOGRAPHY - 3 hrs. A survey of world geographical regions to include: economic development; people and resources; physical environments; and cultural patterns.

278. SPECIAL TOPICS - 1-3 hrs. 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 hrs. An introduction to vector and raster based Geographic Information Systems (GIS). A hands-on approach is employed using a commercial software package. Topics include the acquisition, input, storage and editing of data, generation of maps, and reports and the fundamentals of cartography.

303. PRACTICAL APPLICATIONS OF GIS – 3 hrs. A hands-on, practical introduction to the use of Geographic Information Systems (GIS) for students in a wide variety of disciplines and settings. The course implements a problem-solving exercise approach that introduces students to various possible applications of this important tool. Students will learn and practice the skills necessary to design and create a simple GIS project.

306. PHYSICAL GEOGRAPHY - 3 hrs. Examines the systems and processes that shape physical landscapes. Basic processes relating to climate, vegetation, soils, hydrology and geomorphology are investigated. The primary focus is on understanding fundamental physical processes and their roles in creating natural landscapes.

307. ENVIRONMENTAL ISSUES IN APPALACHIA - 3 hrs. An investigation of environmental issues as they relate to human health, ecosystem stability, economics and politics in the Appalachian region.

The course will primarily focus of the impacts of human activities and include field work.

310. GEOGRAPHY OF U.S. AND CANADA - 3 hrs. Study of major factors leading to the different functions of the geographic regions within the United States and Canada.

311. POPULATION GEOGRAPHY - 3 hrs. Course focuses on spatial features, characteristics and patterns of population geography with an emphasis on the global distribution of population characteristics and trends, migration patterns and population policy.

312. GEOGRAPHIES OF WORLD TOURISM - 3 hrs. A geographical examination of tourism as a global, national and local phenomenon. A focus on the roles that space and place play in shaping economic, social and environmental impacts, tourism trends and ecotourism.

317. GEOGRAPHIES OF DISASTERS - 3 hrs. An examination of the impacts of disasters including floods, hurricanes, tornadoes, tsunamis, fires, earthquakes and volcanoes. Students will engage with case studies that highlight the human and environmental costs as well as mitigation strategies.

320. GEOGRAPHY OF ASIA - 3 hrs. Study of major factors leading to the different functions of the geographic regions within Asia.

330. GEOGRAPHY OF CENTRAL AND SOUTH AMERICA - 3 hrs. Study of major factors leading to the different functions of the geographic regions within Central and South America.

340. GEOGRAPHY OF EUROPE - 3 hrs. 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 hrs. Study of major factors leading to the different functions of the geographic regions within Africa.

360. LAND USE AND COMMUNITY PLANNING – 3 hrs. – This course introduces students to geographical approaches to land use and community/regional planning. Among the topics addressed are: urban renewal, rural land use, sustainable economic development and planning and land use policy. Pre-req: ENG 101 and ENG 102.

371. ECONOMIC GEOGRAPHY - 3 hrs. 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 hrs. Development and change of man's culture in the physical world. Pre-req: ENG 101 and ENG 102.

402. ADVANCED GEOGRAPHIC INFORMATION SYSTEMS – 3 hrs. Explores the use of Geographic Information Systems (GIS) for spatial analysis, measurements and data classification. Basic cartographic modeling concepts are introduced. Pre-req: ENG 101, ENG 102, GEO 302 and MATH 160.

403. GEOGRAPHIES OF POPULAR CULTURE – 3 hrs. In this course geographical concepts including space, place, location distribution, scale, identity and representation are used to understand various phenomena of popular culture. Case studies are drawn from popular music, sports, film, television, comic books and the Internet. Pre-req: ENG 101 and ENG 102.

404. URBAN GEOGRAPHY - 3 hrs. Basic understanding of the development, function, and spatial interaction of cities in the world. Pre-req: ENG 101 and ENG 102.

405. ENVIRONMENTAL GEOGRAPHY - 3 hrs. An investigation into natural resources and ecosystem services as well as the environmental impacts of various human activities and their potential consequences. Pre-req: ENG 101 and ENG 102.

437. INTRODUCTION TO REMOTE SENSING--3 hrs. 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. Pre-req: ENG 101 and ENG 102.

444. WEATHER AND CLIMATE - 3 hrs. Study of the weather elements in the atmosphere, emphasizing energy exchanges and controls and the general atmospheric circulation. Analysis and identification of climates, with emphasis on regional distribution. Basic techniques in handling climatic data. Pre-req: ENG 101 and ENG 102.

452. GEOGRAPHIC THOUGHT - 3 hrs. 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. Pre-req: ENG 101 and ENG 102.

478. SPECIAL TOPICS - 1-3 hrs. 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. Pre-req: ENG 101 and ENG 102.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean. Pre-req: ENG 101 and ENG 102.

481. SEMINAR IN URBAN AND RURAL GEOGRAPHY – 3 hrs. In this course students will become familiar with a wide range of research on urban and rural geographies. They will acquire knowledge and understanding of the unique social, cultural and physical features of these areas. Pre-req: ENG 101, ENG 102.

482. INTERNSHIP IN GEOGRAPHY AND PLANNING – 3 hrs. Students will be placed in an organization that focuses on land use and community development. During this internship they will acquire hands-on experience in the application of geographical approaches to urban and/or rural issues. Pre-req: GEO 360, GEO 481.

496. WASHINGTON SEMINAR - 1-3 hrs. 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 hrs. Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

GERONTOLOGY (GERO)

100. PERSPECTIVES ON AGING - 3 hrs. This course will introduce the aging phenomena in our society as well as examine the aging process by looking at life span development, personal-environment interaction, optimal quality of life and cross cultural consideration. It will address how the attitudes and expectations of the caretaker toward aging impact patient care and will show caretakers how to involve family and friends in implementing best care practices for older adults.

200. BIOLOGY AND PHYSIOLOGY OF AGING - 3 hrs. This course will introduce concepts related to the functional, physical, cognitive, and social changes that occur during aging.

280. CLINICAL ASPECT OF DEMENTIA CARE - 2 hrs. 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 hrs. 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 hrs. 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 hrs. 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 hrs. 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 hrs. 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 hrs. This course will provide an overview of the financing and regulation of long-term care services.

380. RESEARCH METHOD ON AGING - 3 hrs. This course will introduce methods of conducting research on aging populations.

400. EPIDEMIOLOGY OF AGING - 2 hrs. 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 hrs. 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 hrs. 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 hrs. 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. Pre-req: GERO 100 and HS 370.

HEALTH EDUCATION (HE)

250. INTRODUCTION TO HEALTH - 3 hrs. Knowledge and attitudes concerning one's personal health; a study of major health problems with emphasis on mental health and current health problems of our society. Not open to health education majors or minors.

253. PERSONAL HEALTH - 2 hrs. 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 hrs. 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 hrs. Exploration of factors involved with the relationships in physical fitness, nutrition, and optimum health.

320. MENTAL HEALTH AND DRUG USE AND ABUSE- 3 hrs. Examine the relationships between mental health and the psychological, sociological, and pharmacological implications of drug use in today's society.

340. HUMAN SEXUALITY AND THE FAMILY - 3 hrs. 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 hrs. A study of health-related agencies, official and voluntary; health delivery systems; consumer health, health careers; environmental health.

370. TEACHING ELEMENTARY HEALTH EDUCATION- 3 hrs. Introduces the theories of instruction and methods for teaching health education to elementary school students. Identifies developmentally appropriate teaching methods and activities, reviews and assesses current health curriculum, and demonstrates the use of technology in the health classroom. Provides opportunities for observation, lesson planning, and teaching.

466. HEALTH AND SAFETY METHODS AND MATERIALS FOR ELEMENTARY TEACHERS - 3 hrs. 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. Pre-req: HE 250 or HE 253.

468. SCHOOL HEALTH: INSTRUCTION & LEGALITIES/ PRACTICUM - 3 hrs. A philosophical and historical foundation for the school health services and healthful school environment with aspects of health instruction and legal and ethical issues that may arise in the school setting. Pre-req: HE 300.

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470. CURRENT HEALTH ISSUES SEMINAR - 1 hr. 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 hrs. 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 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson and college dean.

HEALTH SCIENCES (HS)

101. CALCULATION OF DRUGS AND SOLUTIONS – 1 hr. 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. Pre-req: MATH 046 if required.

110. HEALTH CARE CAREERS – 2 hrs. This course is designed to familiarize students with various health care careers that require post-secondary education. The U.S. health care delivery system and those of selected countries will be explored.

300. UNDERSTANDING DEATH AND DYING – 3 hrs. A course designed to explore the process of dying and the subsequent reaction experienced by individuals from various cultural and religious groups.

302. HEALTHCARE INFORMATICS – 3 hrs. This course integrates information technology with knowledge and skills drawn from healthcare professions. Students gain insight to principles of informatics and patient care outcomes. Students will examine the professional role in utilization of informatics in diverse healthcare settings. The understanding of

ethical, legal, and security issues will be correlated with principles of information dissemination and management. Pre-req: Student in Health Science degree programs, including Nursing, Dental Hygiene, Medical Laboratory Sciences, Speech Pathology Audiology, Physician Assistant, or Healthcare Administration. Restriction: Health Care Management, Health Sciences.

370. THERAPEUTIC COMMUNICATION – 3 hrs. 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. Pre-req: HE 300.

400. HEALTH CARE DELIVERY SYSTEMS- 3 hrs. 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 hrs. 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 hrs. Concepts and principles of administration and management as applied to health care professions. Pre-req: NUR 340, 341, 360. HS 420 must be taken prior to or concurrently with NUR 481.

451. INTRODUCTION TO CLINICAL MEDICINE – 3 hrs. 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. Pre-req: Open to biology pre-professional students of junior standing who have completed BIO 302.

478. SPECIAL TOPICS – 1-3 hrs. 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 hrs. Directed individual work with the various members of the faculty, which may be offered at any time. Student requests require approval of the instructor and department chairperson.

HISTORY (HIST)

Advanced History courses are arranged in this way: European History: 303-350; Non-Western History: 351-400; U.S. History: 401-450.

103. HISTORY OF CIVILIZATION I - 3 hrs. Traces the evolution of human civilization from earliest time to 1500.

104. HISTORY OF CIVILIZATION II - 3 hrs. Continuation of History 103; development of the modern world since 1500.

210. HISTORY OF THE UNITED STATES I, TO 1876 - 3 hrs. Survey from colonial days through the Civil War; origins and development of national institutions.

211. HISTORY OF THE UNITED STATES II, SINCE 1876 - 3 hrs. Continuation of History 210: History of the United States I, to 1870. Survey from the Reconstruction to the present. An overview of the principal developments, issues, themes, and personalities in United State history from the Reconstruction to the modern era. Topics may include industrialization and urbanization; the Progressive, Women's and Civil Rights movements; WWI, WWII, and the Cold War.

278. SPECIAL TOPICS - 1-3 hrs. 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.

300. HISTORIOGRAPHY - 3 hrs. Introduction to methodology and research. Exposure to great historical syntheses, ideas and trends of European and American history. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

302. WEST VIRGINIA AND THE APPALACHIAN REGION – 3 hrs. A study of the character and adaptability of the regional population of Appalachia to historical and economic factors, with additional emphasis placed on economic, social, intellectual and political concepts.

308. HISTORY OF THE ANCIENT WESTERN WORLD, TO 395 A.D. - 3 hrs. Mediterranean civilization, stressing Greece and Rome.

309. MEDIEVAL HISTORY, 325-1520 - 3 hrs. European history from the First Council of Nicaea to the eve of the Protestant Reformation.

312. VIKING HISTORY – 3 hrs. Examines Viking history from the raid at Lindisforne in 793 to the Battle of Stamford Bridge in 1066.

317. EARLY MODERN EUROPE, 1520-1798 - 3 hrs. Traces the evolution of European society from the Reformation to the French Revolution.

318. THE LONG NINETEENTH CENTURY: EUROPE, 1798-1914 - 3 hrs. Traces the social, cultural, economic and political history of Nineteenth Century Europe from the French Revolution to the First World War.

319. AN AGE OF EXTREMES: TWENTIETH CENTURY EUROPE, 1914-1989 - 3 hrs. Traces the social, cultural, economic and political history of Twentieth Century Europe during a century of extremes.

331. HISTORY OF THE BRITISH ISLES TO 1688 - 3 hrs. Examines the evolution of England, Scotland, Ireland and Wales from earliest times to 1688.

335. HISTORY OF THE BRITISH EMPIRE - 3 hrs. The rise and fall of the British Empire, focusing primarily on the "Second British Empire."

341. TWENTIETH CENTURY RUSSIA - 3 hrs. Leninist and Stalinist features of the Soviet system, including an examination of events leading up to the Soviet state and events attendant to its demise. See POLS 341.

371. SOUTH AND SOUTHEAST ASIAN HISTORY – 3 hrs. A survey of South and Southeast Asian history from ancient civilization to recent events.

373. EAST ASIAN HISTORY – 3 hrs. A survey of East Asian history from ancient times to recent events.

380. HISTORY OF THE MIDDLE EAST - 3 hrs. From Islamic society to the present; Islam, Ottoman Empire, and formation of modern states.

385. HISTORY OF AFRICA - 3 hrs. Traditional Africa, Colonialism, Independence, and Contemporary Africa.

390. HISTORY OF LATIN AMERICA – 3 hrs. A history of Latin America from Pre-Columbian civilizations, colonialism and independence to recent times.

401. THE AMERICAN COLONIES AND THE NEW NATION, TO 1819 - 3 hrs. The rise of the European nation-states and their American colonial empires with special emphasis on British North America. The causes and effects of the American Revolution and the evolution of the United States through 1819. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

410. THE AMERICAN CIVIL WAR ERA, 1819-1876 - 3 hrs. 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. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

416. U.S. IN THE PROGRESSIVE ERA, 1876-1932 - 3 hrs. Major political, economic and demographic transformations: Populism, Progressivism, industrialization, urbanization and race relations. Societal and institutional changes in the national experience of disillusioning world war, roaring prosperity to shattering economic depression. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

418. THE RENAISSANCE AND THE REFORMATION - 3 hrs. Examines the rise of civic humanism and changing ideas about religious thought in Europe. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

419. THE HOLOCAUST IN HISTORY AND MEMORY - 3 hrs. Origins, implementation and memory / commemoration of the Nazi Holocaust. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

420. THE U.S. IN THE 20TH CENTURY, 1917-1945 - 3 hrs. A second global conflict, the postwar years to the postmodern era. The struggle to combat global communism, the turmoil of the civil rights movement, the dissolution of the liberal consensus, the resurgence of conservatism to the present. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

426. TWENTIETH CENTURY UNITED STATES FOREIGN POLICY - 3 hrs. An analysis of historical factors influencing America's search for a new global role. See POLS 426. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

441. AMERICAN CONSTITUTIONAL HISTORY - 3 hrs. The study of the United States Constitution, including judicial review, the role of political entities, and the relationship between local, state, and federal governments. Includes an introduction to, and the associations with, the organization and administration of political, criminal justice and judicial bureaucracies**.** Equivalent to CJ 441 and POLS 441. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

442. HISTORY OF THE AMERICAN PRESIDENCY – 3 hrs. This course examines U.S. presidents; the changing role of the presidency; the political, electoral and constitutional processes of presidential contests; and historical issues related to the presidency. A biographical and historical review of the presidents, their challenges and accomplishments is set against a background of U.S. history from 1788 to 2000, with special emphasis on key historical developments in which individual presidents affected the development of the office and the nation. Pre-req: HIST 210, HIST 211, and C or better in (ENG 101 and ENG 102) or ENG 103.

444. NATIVE AMERICAN HISTORY – 3 hrs. This course examines the history of Native American peoples in what is now the United States, with principal emphasis on the years 1607-1890 and the peoples of the Eastern Woodlands and the Great Plains. Topics include the Peoples, their interaction with European Americans; Indian confederations; Amer-Indian wars; peace arrangements; dislocation and resistance; economic and political motivations in U.S. westward expansion; and regional, economic, political and cultural aspects of Native American life and history. Pre-req: HIST 210, HIST 211, and C or better in (ENG 101 and ENG 102) or ENG 103.

450. WAR AND SOCIETY I - 3 hrs. A global perspective of how war and society influence each other, from ancient civilizations to the Gunpowder Revolution. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

451. ANCIENT AND MEDIEVAL GENDER - 3 hrs. Charting gender through Ancient and Medieval European social, economic, political, and military change. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

455. WAR AND SOCIETY II - 3 hrs. A global perspective of how war and society influence each other, from the Gunpowder Revolution to recent events. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

457. NAVAL HISTORY - 3 hrs. A global perspective of how sea power has influenced world history, including economic development, technological change and significant events. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

478. SPECIAL TOPICS - 1-3 hrs. 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. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under various members of the faculty; may be offered at any time. Student requests require the approval of the instructor, department chairperson, and college dean. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

481. HISTORY FIELD EXPERIENCE - 3 hrs. Students conduct historical research at a local organization for 160 hrs during the semester. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.
Junior standing or by permission of instructor.

496. WASHINGTON SEMINAR - 1-3 hrs. 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 hrs. Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

HONORS PROGRAM (HON)

150. HONORS GATEWAY SEMINAR – 3 hrs. This freshman honors seminar develops high-level academic awareness as well as honing advanced critical thinking, reading and presentation skills. Must be an Honors College student, Elbin Scholar, or Presidential Scholar.

378. HONORS SPECIAL TOPICS - 0-6 hrs. A course category for selected special topics available primarily to students enrolled in the Honors Program and offered on a rotational basis across all academic schools. Enrollment is limited to 12 students. Pre-req: Honors Program students or by permission of the instructor and Coordinator of the Honors Program.

399. HONORS MENTORING – 1 hr. 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 –3 hrs. 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 hrs. Subject to be determined by the instructor. Membership in the Honors Program or permission of the Honors Council is required. Course may be repeated for credit.

INTERDISCIPLINARY STUDIES

489. INTERDISCIPLINARY STUDIES SENIOR PROJECT - 8-12 hrs. Independent senior projects developed by students in the Interdisciplinary Studies Degree Program in association with a faculty adviser and approval of the Interdisciplinary Studies Program Committee. Projects may extend over more than one semester with academic credit divided accordingly. Students may elect to receive either a letter grade or "K" credit.

LINGUISTICS (LING)

150. INTRO TO LANGUAGE AND LINGUISTICS – 3 hrs. An introduction to language and linguistic analysis.

271. BASIC LATIN - 3 hrs. Elements of Latin for students needing basic vocabulary and grammar for science and other professional interests.

285. INTRODUCTION TO SECOND LANGUAGE ACQUISITION - 3 hrs. Theories of Second Language Acquisition, with a special focus on native language interference in adult learners.

315. SOCIOLINGUISTICS - 3 hrs. Introduction to the principles of sociolinguistics.

MANAGEMENT (MGT)

271. SPORT MANAGEMENT PRACTICUM – 1 hr. Structured, experiential learning occurring in conjunction with a sport organization for underclassmen. The student will be guided and evaluated by a business faculty member and a representative from the practicum host organization. Student must complete academic assignments and 50 learning hours in conjunction with the practicum host. MGT 271 may be taken twice provided that each learning experience is unique. Course is graded on a pass/fail basis. Pre-req: GBUS 220.

278. SPECIAL TOPICS - 1-3 hrs. 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 program director.

310. SPORT VENUE MANAGEMENT – 3 hrs. This course covers the business practices of indoor and outdoor sport venues and events. Special attention will be given to venue ownership, venue and event planning and design, risk management, maintenance, outsourcing, scheduling and booking, ticketing, human resource needs, and revenue generation. Pre-req: GBUS 220.

320. LEGAL ASPECTS OF SPORT INDUSTRY – 3 hrs. An overview of the legal system as it applies to sport organizations.

342. HEALTH CARE ADMINISTRATION - 3 hrs. This course explores the principles of health-care marketing and the organizational settings that prevail in primary, secondary, and long-term health-care environments. It begins with an overview of the evolution of health-care delivery organizations in the United States, and analyzes the management settings that shape health-care marketing. Case studies draw on marketing and management strategies used in for-profit and non-profit settings, including health-maintenance organization (HMOs), hospitals, long-term care institutions, and free-standing ambulatory care centers. Attention is also given to the business challenges that the health care industry faces when working with third-party insurers, Medicare, Medicaid and diagnosis-related groups. Pre-req: MKT 331, MGT 350.

350. PRINCIPLES OF MANAGEMENT - 3 hrs. 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. Pre-req: GBUS 220.

351. OPERATIONS MANAGEMENT - 3 hrs. This course introduces students to various elements in the field of operations management. It covers the most common production and operations concepts utilized in today's production systems. Quantitative techniques that help evaluate the management of the firm's operations and performance are covered. Pre-req: MGT 350.

352. LABOR MANAGEMENT RELATIONS - 3 hrs. 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. Pre-req: MGT 350.

353. SMALL BUSINESS MANAGEMENT - 3 hrs. 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. Pre-req: MGT 350 and senior status.

354. EMPLOYMENT LAW - 3 hrs. 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. Pre-req: MGT 350.

355. HEALTH CARE LAW - 3 hrs. Describes and examines the legal environments for-profit and non-profit settings, including health maintenance organizations (HMOs), hospitals, long-term care institutions, and free-standing ambulatory care centers. Analyzes the legal contours that diagnosis-related groups, as well as what managers need to know about federal and state responsibilities. Pre-req: MGT 350, GBUS 344.

410. SPORT MANAGEMENT AND ETHICS – 3 hrs. This course integrates management principles into the study of sport organizations. Coverage includes the planning, organizing, leading, and control functions of management as they relate to sport organizations. In addition, business-related ethical issues confronted by sport organizations will be addressed. Pre-req: MGT 350.

470. SPORT MANAGEMENT AND MARKETING – 3 hrs. 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. Pre-req: MGT 350, MKT 331.

471. SPORT MANAGEMENT INTERNSHIP – 6 hrs. Supervised training and instruction in a sport or recreational organization. The student will be guided and evaluated by business faculty and an industry representative. Course is graded on a pass/fail basis. Junior/Senior standing and permission of the program director.

474. ORGANIZATIONAL BEHAVIOR - 3 hrs. Human relations problems in management situations; focus is on organizational behavior and the processes of motivation, leadership, perception, communication, and change. Pre-req: MGT 350.

475. HUMAN RESOURCE MANAGEMENT - 3 hrs. 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. Pre-req: MGT 350.

478. SPECIAL TOPICS - 1-3 hrs. 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 program director.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, program director and college dean.

480. CURRENT ISSUES IN MANAGEMENT - 3 hrs. In-depth analysis of selected topics which are of current significance to contemporary managers and administrators. Pre-req: MGT 350.

481. BANK MANAGEMENT - 3 hrs. 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. Pre-req: MGT 350, ECON 101 or 203 or 102 or 103.

484. LONG-TERM CARE INTERNSHIP - 6 hrs. This course provides the opportunity to apply theoretical knowledge in the delivery of health care to seniors through an internship in an agency or institution serving older people. Internship sites include senior centers, nursing homes, adult day care centers, assisted and independent living facilities, or area agencies on aging. Course is graded on a pass/fail basis. Pre-req: GERO 100, HS 370 and Junior/Senior standing and permission of the program director.

485. HEALTH CARE INTERNSHIP - 3 hrs. Supervised work experience in various aspects of administration and operation of health care and health programs. Provides the student with an opportunity to apply theory to practice and develop competencies through a work-related experience in a profit or not-for-profit health care organization. Course is graded on a pass/fail basis. Pre-req: Seniors and Health Care Management majors only.

490. MANAGEMENT INTERNSHIP - 3 hrs. Allows students to engage practical and business-related activities in an off-campus professional work environment. Course is graded on a pass/fail basis. Junior/Senior standing and permission of the program director.

495. WASHINGTON SEMINAR - 1-3 hrs. 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 hrs. An intensive field-oriented practicum in which student teams provide direct management counseling in assisting area small businesses address their particular problems and issues. Pre-req: Senior status and consent of instructor.

497. WASHINGTON INTERNSHIP - 3-6 hrs. Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

498. MANAGEMENT STRATEGY AND POLICY - 3 hrs. 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. Pre-req: Senior status, MKT 331, MGT 350, FIN 300 and ECON 101 or 203 or ECON 102 or 103.

MARKETING (MKT)

278. SPECIAL TOPICS - 1-3 hrs. 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 program director.

331. PRINCIPLES OF MARKETING - 3 hrs. Principles and methods involved in the movement of goods and services from producers to consumers. Subject is approached from managerial, integrated, and analytical viewpoints. Pre-req: GBUS 220.

332. PROFESSIONAL SELLING - 3 hrs. Principles, methods, and ethics of professional selling with attention to development and demonstration of effective sales presentation techniques. Pre-req: MKT 331 or permission of instructor.

334. RETAILING - 3 hrs. Principles of successful retailing. Topics covered: the retail revolution; careers in retailing; the retail store; retail organization; buying, receiving, and pricing; sales promotion and customer services; retail control. Pre-req: MKT 331.

336. ADVERTISING - 3 hrs. 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. Pre-req: MKT 331 or permission of instructor.

338. BUSINESS TO BUSINESS MARKETING - 3 hrs. Marketing of goods and services to businesses, government agencies, and institutions by other businesses. Market analysis, market strategy, sales force utilization, advertising, and purchasing. Pre-req: MKT 331.

340. CONSUMER BEHAVIOR - 3 hrs. Examines underlying economic, sociological, and psychological factors which influence consumer behavior. Studies the impact of marketing activities on society, consumerism and legislation affecting the marketplace. Pre-req: MKT 331.

341. INTEGRATED MARKETING COMMUNICATIONS - 3 hrs. This course provides the student with the knowledge of developing a strategic promotional mix utilizing the combined marketing tools of advertising, professional selling, sales promotion and public relations. Pre-req: MKT 331.

400. PUBLIC RELATIONS AND SALES PROMOTION - 3 hrs. 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. Pre-req: MKT 331.

410. SPORT MARKETING – 3 hrs. Application of business marketing principles to sport organizations, events, and products. Topics include uniqueness of the sport product and sport consumer, segmentation, importance of research and marketing information systems, licensing, pricing, promotion, distribution, sales, and social media. Pre-req: MKT 331.

425. SOCIAL MEDIA MARKETING - 3 hrs. Examines the process of electronically buying and selling goods, services and information using the Internet and its attendant technologies such as Twitter, Facebook, Tumblr, YouTube, and related media. This course includes electronic communication, collaboration and discovery of information that add value to the marketing of goods and services. Pre-req: MKT 331, CIS 271.

478. SPECIAL TOPICS - 1-3 hrs. 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 program director.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, program director, and college dean.

480. INTERNATIONAL MARKETING - 3 hrs. Delivers the conceptual framework for understanding marketing across national borders. Provides key background about the cultural, economic, ethical, legal, and management components that drive selected global marketing strategies. Case studies explore segmentation, targeting, and positioning (STP) strategies as well as the global marketing mix across diverse marketing channels. Student teams execute marketing plans for an on-line simulation game that sells, distributes, and manufactures consumer durable goods in an emerging region. Pre-req: MKT 331.

485. MARKETING RESEARCH - 3 hrs. Research methods and procedures used in the marketing process; particular emphasis is given to the sources of market data, sampling, preparation of questionnaires, collection and interpretation of data, and preparation of research reports. Pre-req: MKT 331 and GBUS 280.

490. MARKETING INTERNSHIP - 3 hrs. Allows students to engage practical marketing and business-related activities in an off-campus professional work environment. Course is graded on a pass/fail basis. Junior/Senior standing and permission of the program director.

496. WASHINGTON SEMINAR - 1-3 hrs. 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 hrs. 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 hrs. An in-depth study of marketing theory and the decision-making process required of marketing managers. Pre-req: Senior status, MKT 331.

MATHEMATICS (MATH)

102. THE NATURE OF MATHEMATICS - 3 or 5 hrs. A course using mathematics to expose the underlying structure of problems from common experience. Topics include linear, exponential, and logarithmic functions as they apply to real world situations. Additional topics per interest of faculty and students may include: Logic, annuities and amortization, probability, graph theory, voting theory, geometry, and methods of apportionment. Pre-req: Math ACT 19 or SAT equivalent. Students not meeting the ACT/SAT requirement will be required to take a 5 credit hour section of this course which includes 2 hours of weekly recitation.

106. MATHEMATICS FOR ELEMENTARY TEACHERS I - 4 hrs. 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. Pre-req: MATH 140 or 145.

107. MATHEMATICS FOR ELEMENTARY TEACHERS II - 4 hrs. 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. Pre-req: MATH 106.

139. INTRODUCTION TO COLLEGE ALGEBRA – 3 hrs. A course intended to prepare student for College Algebra. Topics include the fundamentals of: Real Numbers & Algebraic Expressions; Linear Equations & Inequalities; Lines & Functions; Exponents & Polynomials; Rational Expressions; Radicals; Factoring & Quadratic Equations. Instruction occurs through a series of online modules. 3 hours of lab attendance is required per week. Students must in the College of Sciences, College of Education, or Gary E. West College of Business to enroll in this course. Does not satisfy the General Studies Mathematics requirement.

140. COLLEGE ALGEBRA - 3 or 5 hrs. A course intended to prepare students for Pre-Calculus or future courses requiring algebra. Topics include an in-depth study of algebraic techniques and their applications, including: Exponents & Radicals, Polynomials & Factoring, The Cartesian Plane, Functions & their Graphs, Combinations & Inverse Functions, Complex Numbers, Algebraically & Graphically Solving Quadratic, Higher Order Polynomial, Radical, Rational, Exponential, and Absolute Value Equations & Inequalities, Zeros of Functions, The Fundamental Theorem of Algebra, Rational Functions & their Graphs. Students not meeting the pre-req will be required to take a 5 credit hour section of the course which includes 2 hours of weekly recitation. Pre-req for 3 credit hour: Math ACT 21 or SAT 500; 5 credit hour, no pre-req.

141. TRIGONOMETRY - 2 hrs. Circular and trigonometric functions; inverse functions; fundamental identities; complex numbers; trigonometric equations; and applications. Pre-req: 2 units of high school algebra; 1 unit of high school geometry.

145. PRE-CALCULUS - 4 hrs. A continuation of MATH 140 intended to prepare students for Calculus. Topics to be studied include the graphs, properties, and applications of Exponential, Logarithmic, Trigonometric, and Inverse Trigonometric Functions; algebraically solving Exponential, Logarithmic, Trigonometric, and Inverse Trigonometric equations; properties and identities of Trigonometric Functions; the Law of Sines and Law of Cosines. Pre-req: Math ACT of 22 or Math SAT of 520 or grade of C or better in MATH 140.

160. INTRODUCTION TO STATISTICS - 3 or 5 hrs. 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. Pre-req: Math ACT 19 or SAT equivalent. Students not meeting the ACT/SAT requirement will be required to take a 5 credit hour of this course which includes two hours of weekly recitation.

171. INTRODUCTION TO COMPUTER PROGRAMMING - 1 hr. An in-depth computer programming using a modern programming language. Topics include primitive date types, expressions, precedence rules, stream I/O, control structures, functions, and one-dimensional arrays. Emphasis on structured programming.

175. COMPUTER PROGRAMMING FOR THE SCIENCES - 3 hrs. 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. Pre-req: Content knowledge of MATH 140 or MATH 145.

210. CALCULUS AND ANALYTIC GEOMETRY I - 4 hrs. First of three semesters in a Calculus sequence. Topics include limits; derivatives; rules of differentiation; applications of derivatives; Riemann sums; basic antiderivatives; and the Fundamental Theorem of Calculus. Pre-req: Math ACT of 25 or Math SAT of 580 or grade of C or better in MATH 145.

211. CALCULUS AND ANALYTIC GEOMETRY II - 4 hrs. Second of three semesters in a Calculus sequence. Topics include techniques and applications of integrations; elementary differential equations; sequences; series; and Taylor's Theorem. Computational tools will be used. Pre-req: Grade of C or better in MATH 210.

212. CALCULUS AND ANALYTIC GEOMETRY III - 4 hrs. Third of three semesters in a Calculus sequence. A study of vectors, vector functions, and functions of several variables. Topics include continuity; differentiability; extrema; directional derivatives; multiple integrals; line/surface integrals; and applications. Additional topics for vector calculus will be selected according to time and interest. Computational tools will be used. Pre-req: Grade of C or better in MATH 211.

240. MATH FOR ELEMENTARY & 5-9 TEACHERS I – 4 hrs. An introduction to the foundations of number systems and number theory. Topics include ancient and modern number systems, models of arithmetic operations, computation in bases other than ten, set theory, logic and deduction, primes and divisibility. Pre-req: MATH 140 or 145.

245. MATH FOR ELEMENTARY & 5-9 TEACHERS II – 4 hrs. An informal study of two and three-dimensional geometry including geometric figures, measurement (length, area, and volume), transformations, tilings, similarity, congruence and constructions. An introduction to probability and statistics including principles of counting, fundamental probability rules, organizing and graphing data, measuring the center and spread of data and a study of the normal distribution curve. Pre-req: MATH 106 or 240.

264. MANIPULATIVES IN MATHEMATICS - 2 hrs. 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. Pre-req: MATH 145 or 210 .

278. SPECIAL TOPICS IN MATHEMATICS - 1-3 hrs. A special course category for contemporary topics in the general field of mathematics and computer science. Students should consult the schedule to ascertain what topics are currently being presented and are further encouraged to recommend topical items to the department chairperson.

280. MATHEMATICS SEMINAR - 1 hr. Mathematics course focusing on mathematical research skills and quantitative literacy. Intended for seond year B.S. mathematics students to serve as a bridge to higher mathematics and research. Open to B.A. mathematics and 5-Adult majors. Pre-req: MATH 210 and MATH 373.

281. MATHEMATICS EDUCATION SEMINAR – 3 hrs. Mathematics course intended to prepare Math Education (5-Adult) students for state teaching licensure exams and to serve as a bridge to higher level mathematics. Content areas include algebra, trigonometry, geometry and statistics with an emphasis on conceptual understanding and communication of content. To be taken sophomore year or by recommendation of academic advisor.

309. CALCULUS AND GEOMETRY FOR GENERAL MATHEMATICS 5-9 – 3 hrs. 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. Pre-req: Grades of C or better in MATH 107 and MATH 145.

327. HISTORY OF MATHEMATICS - 3 hrs. A development of mathematics from ancient times through the present with an emphasis on techniques and theories of each period. Pre-req: Grade of C or better in MATH 210.

334. GEOMETRY - 3 hrs. Concepts of Euclidean geometry; congruence; similarity; measure; coordinate geometry; role of axiom systems in Euclidean geometry, introduction to non-Euclidean geometry. Pre-req: MATH 210 or 309.

341. LINEAR ALGEBRA - 3 hrs. An in-depth study of vector and matrix algebra and its application to systems of linear equations, linear spaces, linear mappings, and inner product spaces. Pre-req: Grade of C or better in MATH 210 and 374.

349. NUMBER THEORY - 3 hrs. Topics include divisibility; the Euclidean Algorithm; primes; congruence; Diophantine equations; and numerical functions. Pre-req: Grade of C or better in MATH 374.

373. FINITE MATHEMATICS - 3 hrs. Introduction to linear algebra, linear programming, mathematics of finance, counting techniques, probability, and elementary logic. Pre-req: Math ACT of 24 or Math SAT 560 or Grade of C or better in MATH 145.

374. DISCRETE MATHEMATICS - 3 hrs. A study of logic and mathematical reasoning; mathematical induction; recursion; and advanced counting techniques. Emphasis will be on reading and writing mathematical proofs. Pre-req: Grade of C or better in MATH 373.

375. APPLIED DIFFERENTIAL EQUATIONS - 3 hrs. A study of the basic methods for solving ordinary differential equations and their applications in science, engineering, and other fields. Pre-req: Grade of C or better in MATH 212; Co-req: MATH 341.

410. REAL VARIABLES - 3 hrs. 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. Pre-req: MATH 211 and 374.

445. ABSTRACT ALGEBRA - 3 hrs. An introduction to groups, rings, integral domains, and fields. Emphasis on the axiomatic method, proofs, and equivalences induced by various mappings. Pre-req: Grade of C or better in MATH 374.

464. PROBABILITY AND STATISTICS - 3 hrs. A study of random variables; probability distributions; statistical inference; linear regression; correlation analysis; and applications. Emphasis will be on random variables and distributions. Pre-req: Grades of C or better in MATH 212 and 373.

475. NUMERICAL ANALYSIS - 3 hrs. A study of numerical methods in mathematics; fundamental analysis or computer error; solving linear systems of equations; interpolation; numerical differentiation and integration; and solving nonlinear equations. Pre-req: Grades of C or better in MATH 175 and MATH 211.

478. SPECIAL TOPICS IN MATHEMATICS - 1-3 hrs. 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. Pre-req: Permission of the instructor.

479. SPECIAL PROBLEMS - INDEPENDENT RESEARCH STUDIES - 1-3 hrs. 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 hr. Mathematics course focusing on individual student projects involving reading, writing, and presentation skills. Intended for upper level students in all mathematics programs. This course must be taken at WLU. Permission of instructor. Junior or senior status.

481. MATHEMATICS CAPSTONE- 1 hr. Mathematics course focusing on group and individual projects to encompass multiple aspects of mathematics learned throughout the specialization courses. Students will showcase reading, writing, research, and presentation skills. Intended for Math (5-9) specialization students only. This course must be taken at WLU. Pre-req: MATH 309 and MATH 373.

MEDICAL LABORATORY SCIENCE (CLS)

210. INTRODUCTION TO CLINICAL LABORATORY SCIENCE - 2 hrs. Introduces the student to the profession of Medical Laboratory Science including basic responsibilities as part of the health care system, as well as medical terminology, basic clinical laboratory techniques and calculations.

300. CLINICAL HEMATOLOGY I - 4 hrs. 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. Pre-req: Admission to the MLS program or permission of instructor. Concurrent with CLS 301.

301. CLINICAL HEMATOLOGY LABORATORY - 1 hr. Laboratory exercises representative of diagnostic tests performed in hematology and coagulation. Pre-req: Admission to the MLS program or permission of instructor. Concurrent with CLS 300.

302. CLINICAL HEMATOLOGY II - 3 hrs. A continuation of Clinical Hematology I and Laboratory (CLS 300/301). Students will study the hematopoietic systems and the laboratory methods used to evaluate and diagnose diseases of these systems. Pre-req: CLS 300, 301.

320. ANALYSIS OF BODY FLUIDS - 2 hrs. A study of the physical, chemical, and microscopic examination of urine and other body fluids and how these findings relate to diseased states. Pre-req: Admission to MLS Program.

321. URINALYSIS AND BODY FLUID LABORATORY- 1 hr. A one-hour laboratory course to supplement CLS 320 Analysis of Body Fluids. Concurrent with CLS 320. Pre-req: admission to the MLS Program

340. CLINICAL BIOCHEMISTRY I - 3 hrs. A study of human biochemistry and associated clinical laboratory procedures, including the principles of testing methodology and instruments used to perform analyses. Pre-req: CHEM 110, 111, 112, 113. Concurrent with CLS 341.

341. CLINICAL BIOCHEMISTRY I LABORATORY - 1 hr. Laboratory exercises performing representative clinical biochemistry determinations. Analytical techniques and use of instrumentation are emphasized. Concurrent with CLS 340.

342. CLINICAL BIOCHEMISTRY II - 3 hrs. A continuation of the study of human biochemistry and the principles of laboratory testing and instrumentation used in clinical biochemistry. Pre-req: CLS 340, 341.

360. CLINICAL MICRO I - 3 hrs. A comprehensive study of the biochemistry and physiology of bacteria common to man and their related disease processes. Pre-req: Admission to Medical Laboratory Science program or permission of Instructor; concurrent with CLS 361.

361. CLINICAL MICROBIOLOGY I LABORATORY - 2 hrs. Clinical laboratory methods of cultivation and identification of bacteria common to man. Pre-req: Admission to Medical Laboratory Science program or permission of instructor; concurrent with CLS 360.

372. CLINICAL MICROBIOLOGY II - 3 hrs. 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. Pre-req: CLS 360/361.

375. IMMUNOHEMATOLOGY - 3 hrs. A study of the principles of immunology as related to human blood group antigens and antibodies, including blood banking and serodiagnostic procedures. Pre-req: CLS 380, concurrent with CLS 376.

376. IMMUNOHEMATOLOGY LABORATORY - 1 hr. An orientation to procedures and principles used in blood banking, including methods used in blood group antigen and antibody identification and compatibility testing. Pre-req: CLS 380, concurrent with CLS 375.

380. CLINICAL IMMUNOLOGY AND SEROLOGY – 3 hrs. Study of basic immunology and the body's immune response in health and disease. Relates principles of immunology to major immunologic diseases and disorders with emphasis on the clinical diagnostic procedures. Fall term. Pre-req: Admission to Medical Laboratory Science program or permission of instructor.

400. CLS COMPREHENSIVE REVIEW - 3 hrs. This is a capstone course for senior MLS students and will involve correlating clinical laboratory data from the various clinical disciplines via review and examinations.

411. CLINICAL HEMATOLOGY AND COAGULATION - 1 hrs. Training and experience in clinical hematology and coagulation procedures, including instrumentation. Pre-req: CLS 300, 301, 302.

420. CLINICAL LABORATORY MANAGEMENT – 2 hrs. A study of the principles and practice of supervision and administration specifically related to medical laboratory science. Pre-req: Enrollment in the senior year of the MLS program.

441. ADVANCED CLINICAL BIOCHEMISTRY LABORATORY - 3 hrs. Training and experience in clinical biochemistry procedures, including instrumentation. Pre-req: Senior MLS student, CLS 340, 341, 342.

450. SENIOR SEMINAR - 3 hrs. A seminar course designed to introduce students to current issues in MLS through in-service presentations, reading and presenting scientific papers. The course will also serve as a forum for preparing students for the national certification examination. Pre-req: Senior MLS status.

455. QUALITY CONTROL AND RESEARCH METHODS - 3 hrs. A study of statistical methods as applied to quality control and research methods in the clinical laboratory sciences. Pre-req: student must be enrolled in senior year of Medical Laboratory Science program.

461. ADVANCED CLINICAL MICROBIOLOGY LABORATORY - 3 hrs. Training and experience in clinical microbiology laboratory procedures, including bacteria, anaerobes, mycobacteria, yeasts and fungi from human sources. Pre-req: Senior Medical Laboratory Science students; CLS 360, 361, 372.

470. CASE STUDIES - 2 hrs. This course is designed to provide senior MLS students experience in interpreting and presenting medical/clinical laboratory data to diagnose disease. The case study approach aids students in developing critical thinking skills and serves as a review for the national certification examinations.

471. ADVANCED IMMUNOHEMATOLOGY LABORATORY - 1 hrs. Training and experience in immunohematology procedures including methods of antibody identification and preparation and administration of blood components. Pre-req: Must be enrolled in senior year of Medical Laboratory Science program; CLS 375, 376.

472. MEDICAL MICROBIOLOGY AND EPIDEMIOLOGY - 3 hrs. 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. Pre-req: A general microbiology course.

478. SPECIAL TOPICS - 1-3 hrs. A course category for selected topics in the field of Medical Laboratory Science. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged recommending topics to the Program Director.

481. ADVANCED CLINICAL IMMUNOLOGY LABORATORY- 1 hr. Training and experience in immunologic procedures, including in-instrumentation. Pre-req: Must be enrolled in senior year of Medical Laboratory Science program.

490. INDEPENDENT RESEARCH STUDIES IN MEDICAL LABORATORY SCIENCE - 3 hrs. Independent studies under the guidance of the Medical Laboratory Science faculty to familiarize the student with the techniques of scientific research. Students will perform an extensive literature search, write a research paper and make a formal presentation.

MUSIC (MUS)

100. APPLIED MUSIC INSTRUCTION – 1 hr. Private (applied) instruction is available in the following areas, other areas by arrangement: Brass, Woodwind, Percussion, Piano, Guitar, Voice. This level is for all secondary, pre-college, provisional, and non-majors.

101. FUNDAMENTALS OF MUSIC – 2 hrs. Introduction to fundamental elements of music reading. Pitches, octaves, note names, the piano keyboard, staff, clefs, whole- and half-steps, major scales, minor scales. Introduction to basic intervals. Introduction to rhythm notation.

102. MUSICIANSHIP - 4 hrs. An introductory course emphasizing active student participation in aural and visual identification, performance and manipulation of basic musical concepts. Additional study will include keyboard awareness and a survey of major musical style periods and traditions. This course meets five days per week with a mixture of lecture, hands-on skill building, performance, and laboratory-style instruction.

103. EAR TRAINING I - 2 hrs. Development and coordination of visual, oral, aural, and writing skills in rhythmic, melodic and harmonic patterns. Melodic and rhythmic performance, sightreading, dictation, and improvisation. Pre-req: MUS 102.

104. EAR TRAINING II - 1 hr. Continuation of MUS 103. Pre-req: Must pass MUS 103 with a grade of "C" or better.

113. MUSIC THEORY I - 2 hrs. Basic counterpoint. Functional diatonic harmony primarily in the common-practice period. Introduction to tonal

syntax. Principles of voice-leading. Primary triads in root position. Part-writing, melodic writing, score analysis, and aural analysis. Pre-req: MUS 102.

114. MUSIC THEORY II - 3 hrs. Further study of functional distonic harmony primarily in the common-practice period: diatonic seventh chords; sequences. Study of small formal units: cadences, phrases, and periods. Study of chromaticism in tonal music: secondary function; modal mixture; chromatic pre-dominants. Techniques of modulation. Part-writing, melodic writing, score analysis, and aural analysis. Pre-req: Must pass MUS 113 with a grade of "C" or better.

130. APPRECIATION OF MUSIC - 3 hrs. An introductory course in music featuring significant musical compositions of various styles and musical periods. Composers of note in Western music from the Baroque, Classical, Romantic and the 20th century will be studied as a basis for intelligent listening habits for life-long appreciation. Additional study in global music will be presented for a more multicultural view of the art of music and its place in man's culture in the world today. Assigned listening and concert attendance. Meets three times per week.

132. JAZZ APPRECIATION - 3 hrs. An introductory course in music that explores the history and tradition of American jazz music. Areas of focus in this listening-based course include the characteristics of jazz music, significant jazz performers and significant jazz compositions. Special attention will be paid to the African-American and Creole roots of jazz to present a multicultural viewpoint of the art form. Pre-req: None.

133. ROCK APPRECIATION – 3 hrs. An introductory course in music that traces the origins and history of rock music from blues to modern day styles. This course will explore the musical and cultural impact that rock has had on society. Emphasis on listening will be used to acquire an understanding of the various styles and musical influences on rock music. The study of early blues and rock and roll from the 1950s will highlight the multicultural aspect of rock's beginnings.

152. FUNDAMENTALS OF VOICE FOR INSTRUMENTAL EMPHASIS - 2 hrs. Basic elements of vocal technique; practical experience in singing on the beginning level.

153. FUNDAMENTALS OF VOICE - 2 hrs. The study of elements of vocal technique and pedagogy.

164. FUNDAMENTALS OF PIANO I - 1 hr. Basic elements of piano technique; practical experience in piano playing on the beginning level.

165. FUNDAMENTALS OF PIANO II - 1 hr. Continued work on piano technique; practical experience in piano playing. Pre-req: MUS 164.

168. FUNDAMENTALS OF PIANO III - 1 hr. Continued work on piano technique; practical experience with view to keyboard skills. Complete diatonic harmony. Pre-req: MUS 165 or permission by instructor.

169. Fundamentals of Piano IV - 1 hr. Continued work on piano technique; practical experience with view to keyboard skills. Application of chromatic harmony; instrumental and choral score reading. Pre-req: Music 168 or permission by instructor.

200. APPLIED MUSIC INSTRUCTION – 2 hrs. – Private (applied) instruction is available in the following areas, other areas by arrangement: Brass, Woodwind, Percussion, Piano, Guitar, Voice. This level is for all music minors and lower-division music majors.

203. EAR TRAINING III - 2 hrs. Continuation of 104. Pre-req: Must pass MUS 104 with a "C" or better.

204. EAR TRAINING IV - 1 hr. Continuation of MUS 203. Pre-req: Must pass MUS 203 with a "C" or better.

213. MUSIC THEORY III - 2 hrs. Further study of functional diatonic harmony primarily in the common-practice period: diatonic seventh chords: sequences. Study of small formal units: cadences, phrases, and periods. Study of chromaticism in tonal music: secondary function; modal mixture; chromatic pre-dominants. Techniques of modulation. Part-writing, melodic writing, score analysis, and aural analysis. Pre-req: Must pass MUS 114 with a "C" or better.

214. MUSIC THEORY IV - 3 hrs. Analysis of musical units on all levels of hierarchy (e.g., motive, idea, phrase, period, section, movement). Study of substantial musical movements from the 18th and 19th centuries. Application of structural principles in Form from 18th and 19th century compositions: Small forms (e.g., binary, ternary), sectional forms (e.g.,rondo variation), and developmental forms (e.g., sonata). Introduction to post-tonal techniques. Score analysis and aural analysis. Pre-req: Must pass MUS 213 with a "C" or better.

218. COMPOSITION - 2 hrs. 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 hrs of credit. Pre-req: MUS 104 and 114.

246. INTRODUCTION TO MUSIC TECHNOLOGY - 3 hrs. Computer basics, notation, basic MIDI, digital audio, productivity software, computer-aided instruction. MUS 246 substitutes for EDUC 290.

247. ADVANCED COMPUTER NOTATION - 3 hrs. Advanced techniques for software-based music engraving. Prerequisite MUS 246.

251. FUNDAMENTALS OF INSTRUMENTAL TECHNIQUES – 2 hrs. Students will identify, manipulate and demonstrate performance and teaching techniques on brass, woodwind, and percussion instruments. Students will focus on diagnosing performance problems and offer corrective remediation through observation and modeling. Open to vocal music education majors only.

252. FUNDAMENTALS OF BRASS INSTRUMENTS - 2 hrs. 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 hrs. 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 hrs. Practical experience in playing and teaching violin, viola, cello, bass and guitar; methods and materials for class and private instruction.

255. FUNDAMENTALS OF WOODWIND INSTRUMENTS - 2 hrs. 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 hrs. 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 hr. A working laboratory in which students learn techniques and procedures for repairing and maintaining the most common wind band instruments.

261. SMALL CHORAL ORGANIZATION – 0-1 hrs. Ensembles of less than 18 performers. Open to all students of the university. Audition may be required.

263. SMALL INSTRUMENTAL ORGANIZATION – 0-1 hrs. Ensembles of less than 18 performers. Open to all students of the university. Audition may be required.

264. INSTRUMENTAL ORGANIZATION – 0-1 hrs. Ensembles of at least 18 performers. Open to all students of the university. Audition may be required.

265. CHORAL ORGANIZATION – 0-1 hrs. Ensembles of at least 18 performers. Open to all students of the university. Audition may be required.

276. FUNDAMENTALS OF CLASSICAL GUITAR - 2 hrs. Basic techniques and fundamentals, practical experience in playing the classical guitar, methods and materials for private and class instruction. Meets three times per week.

278. SPECIAL TOPICS - 1-3 hrs. 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 hrs. Covers studio and live recording techniques. ProTools HD, studio construction, microphones, acoustics, analog vs. digital, etc.

288. RECORDING TECHNIQUES II: EDITING AND MASTERING - 3 hrs. Advanced recording techniques and independent projects. More emphasis on "post production," including digital signal processing and syncing sound to video. Pre-req: Music 287.

301. MUSIC INDUSTRY – 3 hrs. This course provides an overview of the essential nature of the industry of Music as it pertains to creators, producers, publishers, the law, and marketing. Topics include, but are not limited to record labels, live concert booking, copyright law, the recording industry, mechanical rights, and performance rights.

330. HISTORY OF MUSIC I - 3 hrs. The development of music up to the period of Bach and Handel. Pre-req: MUS 113.

331. HISTORY OF MUSIC II - 3 hrs. The development of music from the period of Bach and Handel to the present. Pre-req: MUS 113.

333. CONTEMPORARY MUSIC - 2 hrs. History, development and practices of music since 1920.

335. JAZZ - 2 hrs. Origins, development, and practices of jazz. Emphasis upon listening to both historical and contemporary recordings.

337. MUSIC IN AMERICAN SOCIETY - 3 hrs. Vernacular and cultured traditions of American music from colonial times to the present.

340. BASIC ELEMENTS OF CONDUCTING - 2 hrs. Principles of conducting and score reading; the conductor's preparation, rehearsal techniques and procedures, basic patterns and gestures such as dynamics, phrasing and cueing, score terminology, transposing instruments. Using the students of the class as a laboratory group, students will prepare and conduct assigned works and exercises. While the emphasis will be on the practical aspects of the discipline of the physical gesture, with and without baton, students will also be tested on score terminology and will arrange a chorale for the instruments available and conduct it. Pre-req: MUS 104 and MUS 114. Co-requisite: Participation in a conducted West Liberty ensemble. Meets three times per week.

344. CHORAL AND INSTRUMENTAL CONDUCTING AND ARRANGING - 2 hrs. 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. Pre-req: MUS 340. Co-requisite: Participation in a conducted West Liberty ensemble in the student's area of emphasis (instrumental or choral). Meets three times per week.

351. MUSIC FOR THE ELEMENTARY TEACHER - 2 hrs. 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.

356. FUNDAMENTALS OF LYRIC DICTION – 2 hrs. The study of singing diction and rules of pronunciation of Italian, English and Latin song/choral/opera literature. Includes advanced study of the International Phonetic Alphabet.

357. FRENCH AND GERMAN DICTION - 2 hrs. The study of singing diction and rules of pronunciation of German and French song/opera literature. Includes advanced study of the International Phonetic Alphabet. Pre-req: MUS 153.

364. WIND ENSEMBLE – 0-1 hrs. Principal instrumental ensembles of at least 18 performers. Open to all students of the university. Audition may be required.

365. WLU SINGERS - 0-1 hrs. Choral ensembles of at least 18 performers. Open to all students of the university. Audition may be required.

373. ACCOMPANYING LABORATORY - 1 hr. 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. Pre-req: 181 level in piano.

374. ACCOMPANYING PRACTICUM - 1 hr. 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 hrs. Improvisation, keyboard harmony, and piano techniques adapted for keyboard use in the classroom. Pre-req: Piano 172. Meets three times per week.

383. VOCAL LITERATURE – 3 hrs. Then study of vocal and operatic literature from the Baroque era to the present day. Pre-req: Upper Division Qualified.

385. INSTRUMENTAL LITERATURE - 3 hrs. Intensive survey course focusing on significant instrumental literature from the student's major performance area (winds, brass, or percussion.) Pre-req: successful completion of Upper Division Qualification.

387. ELECTRONIC MUSIC I: MIDI AND DIGITAL AUDIO - 3 hrs. History of electronic music (popular and "art" music, MIDI sequencing, sound design, electronic music production, composition, and synthesis techniques using Digital Audio Workstation software. Pre-req: MUS 287.

388. ELECTRONIC MUSIC II: SAMPLING, LIVE ELECTRONICS, AND MULTIMEDIA - 3 hrs. Continued study of electronic music via listening assignments, technical projects, and creative projects. Focus will be given to sampling techniques, interactive live performances, audio installations, and other multimedia works. Pre-req: MUS 387.

389. CHURCH SERVICE PLAYING - 3 hrs. Hymn playing and chant accompaniments; directing from the organ console; improvising modulations, interludes, and transposition. Oriented towards passing the AGO Service Playing Certificate. Pre-req: MUS 340 and the 382 level in organ.

391. PIANO LITERATURE I - 3 hrs. Intensive survey course focusing on significant piano literature from the 17th and 18th centuries. Pre-req: successful completion of Upper Division Qualification.

392. PIANO LITERATURE II - 3 hrs. Intensive survey course focusing on significant piano literature from the 19th and 20th centuries. Pre-req: successful completion of MUS 391 or permission of the instructor.

400. APPLIED MUSIC INSTRUCTION – 2 hrs. Private (applied) instruction is available in the following areas, other areas by arrangement: Brass, Woodwind, Percussion, Piano, Guitar, Voice. This level is for all upper-division music majors.

440. CHORAL TECHNIQUES AND LITERATURE - 3 hrs. Diction, balance, blend, and correct tone production; examination of representative choral works of major composers covering a wide variety of musical styles. Pre-req: MUS 340.

441. INSTRUMENTAL TECHNIQUES AND LITERATURE - 3 hrs. Philosophy, pedagogy, repertoire, and techniques for the high school instrumental program including concert, marching, and jazz band settings. Completion of partial corps-style marching show; examination and analysis of significant repertoire for the wind band; techniques for the developing jazz ensemble including basic improvisation pedagogy, rhythm section, style, rehearsal and performance considerations. Pre-req: MUS 340.

451. MUSIC IN THE ELEMENTARY SCHOOL: CONTENT AND STANDARDS - 2 hrs. 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. Pre-req: MUS 104, 114.

452. MUSIC IN THE MIDDLE SCHOOL – 2 hrs. 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. Pre-req: Educ 100, MUS 451.

453. INSTRUMENTAL AND CHORAL MUSIC IN THE SECONDARY SCHOOL - 2 hrs. 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. Pre-req: EDUC 100, MUS 214, 340, 451, 452.

461. SEMINAR FOR THE PROFESSIONAL MUSICIAN - 1 hr. Seminar for music majors regarding professional etiquette and preparing for life as a professional musician.
Pre-req: Senior standing.

464. VOCAL PEDAGOGY – 3 hrs. The study of pedagogical principles of teaching voice. Pre-req: successful completion of Upper Division Qualification and permission of instructor.

466. INSTRUMENTAL PEDAGOGY - 3 hrs. The course is an examination of the pedagogical techniques and materials relevant to private instrumental (winds, brass, or percussion) instruction involving students of all ages and levels of study. Pre-req: successful completion of Upper Division Qualification.

468. PIANO PEDAGOGY - 3 hrs. The course is an examination of the pedagogical techniques and materials relevant to private piano instruction involving students of all ages and levels of study. Pre-req: successful completion of Upper Division Qualification.

478. SPECIAL TOPICS - 1-3 hrs. 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 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and school dean.

487. MUSIC TECHNOLOGY PRACTICUM – 1 hr. Application of practical skills in Music Technology including the following types of independent projects: Audio Recording, Audio Editing, CD Production, Music Laboratory Maintenance, Equipment Maintenance, Live Sound. Can be repeated for credit up to 4 credits. Pre-req: MUS 387.

489. INTERDISCIPLINARY SENIOR PROJECT – 1-12 hrs. Field experience in some area of music retailing, music marketing, management of music stores, studios, musical organizations, or combination thereof. Each semester hour of credit represents about 45 hours of work, including writing reports and conferences with both field and campus supervisors. Students may elect to receive either a letter or K credit. Internships may extend over more than one semester with academic credit divided accordingly.

490. SENIOR PROJECT IN MUSIC TECHNOLOGY - 6 hrs. Capstone experience for Music Technology majors. Student will design, organize, and implement a large-scale music technology project. Project must be approved by a committee of music faculty. Pre-req: Senior Standing.

491. MUSIC EDUCATION WORKSHOP - 1-3 hrs. An activity course based upon the specific needs, interests, and problems of the participants.

493. SENIOR RECITAL – 1 hr. Capstone solo performance experience on a student's major instrument or voice. Pre-req: permission of private instructor.

NOTE: Students must enroll in an appropriate choral or instrumental organization while taking conducting and choral or instrumental techniques courses.*

APPLIED MUSIC INSTRUCTION
Private (applied) instruction is available in the following areas (other areas by arrangement):
- BRASS - Trumpet, Horn, Trombone, Euphonium, & Tuba;
- WOODWIND - Flute, Oboe, Bassoon, Clarinet, & Saxophone;
- PERCUSSION;
- KEYBOARD – Piano & Organ;
- GUITAR;
- VOICE.

081 – 1 hr; 082 – 1-2 hrs. Foundations-level private study. May be repeated.

171, 172, 271, 272 – 1 hr. 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 hrs. University level applied private study. May be repeated for credit.

Performing Organizations
MUS 261, 263, 264, 265, 364, 365 — The Music Department maintains a wide selection of large and small, principal and secondary, instrumental and choral performing organizations. These organizations includes:
Concert Choir; University Chorus; Madrigal Choir; Opera and Musical Theatre Workshops;
Wind Ensemble; Jazz Ensemble; Brass, Woodwind, Percussion, and Guitar Ensembles; Marching Band; and Pep Band.

Membership in performing organizations is open to all qualified (often by audition only) university students, and carries up to two hours of academic credit for each semester of participation. Members of performing organizations are required to appear in all performances, which the group presents.

NURSING (NUR)

202. INTRODUCTION TO PROFESSIONAL NURSING - 2 hrs. Introduces students planning to enter the nursing program to the health care team and how members function within the health care system. The focus of the course is on understanding the role of the professional nurse and established professional standards of practice. Successful completion of this course is required for admission into the nursing program. Registration Restrictions: Sophomore Standing

203. MEDICAL TERMINOLOGY - 1 hr. Provides students planning to enter the nursing program a firm foundation in medical terminology and its application. The focus is on terms associated with body systems, disease processes, diagnostic tests, and clinical procedures used in health care. Successful completion of this course is required for admission into the nursing program.

204. TRANSITION TO NURSING – 1 hr. This course introduces students entering the second degree nursing program to concepts central to professional nursing. Medical terminology will be reviewed as utilized in nursing. Restricted to only students accepted into BA/BS Nursing track.

309. HEALTH ASSESSMENT - 3 hrs. Provides a foundation of knowledge and skills required to perform appropriate health assessments throughout the lifespan. Students will differentiate normal from abnormal findings. Time will be allotted for application and practice of assessment. Pre-req: NUR 202, 203, and admission to the nursing program.

315. PROFESSIONAL NURSING I - 7 hrs. Focuses on fundamental concepts including basic patient needs and selected commonly occurring medical-surgical health problems in adulthood through late adulthood. Nursing process as a basis for clinical reasoning is introduced. The aging process, common issues, and health needs of older adults are addressed. Patient-centered care and best practices for maintaining wellness and maximizing function will be emphasized. Pre-req: Nursing major, NUR 202, 203. Co-req: NUR 317.

317. CLINICAL NURSING I - 3 hrs. Application of fundamental concepts meeting basic patient needs and caring for patients with selected commonly occurring medical-surgical health problems throughout adulthood in the skills lab and long-term and skilled care settings. Pre-req: NUR 202, 203, and admission to the nursing program. Co-requisite: NUR 315.

319. PHARMACOLOGY I – 3 hrs. This course introduces the concepts of pharmacology with a focus on the nurse's responsibility in the safe administration of medications. Provides instruction in the calculation of dosages and solutions necessary to safely administer medications in practice. Topics include pharmacodynamics, pharmacokinetics, and pharmacotherapeutics related to selected drug classifications. Pre-req: Nursing major, NUR 202, 203.

320. PHARMACOLOGY II - 3 hrs. A continuation of Pharmacology I with a focus on the nurse's responsibility in the safe administration of medications. Topics include pharmacodynamics, pharmacokinetics, and pharmacotherapeutics related to major drug classifications. Pre-req: Nursing major, NUR 309, 315, 317 and 319..

322. EVIDENCE-BASED PRACTICE & INFORMATICS - 4 hrs. Introduces evidence based practice and informatics to assist nurses in making clinical decisions related to patients' health needs. The research process and critical appraisal of best available evidence will be emphasized as well as how technology is used to improve patient outcomes. Pre-req: Nursing major, NUR 309, 315, 317 and 319.

323. PROFESSIONAL NURSING II - 7 hrs. Emphasizes the physiological and mental health needs of patients presenting with commonly occurring acute and chronic health problems across the lifespan. Caring for women with uncomplicated pregnancies and promoting health for well children will be included. Pre-req: NUR 309, 315, 317 and 319; minimum grade of "C" in prerequisites. Co-requisite: NUR 324.

324. CLINICAL NURSING II - 4 hrs. Application of theoretical concepts from Professional Nursing II to the care of patients experiencing commonly occurring acute and chronic health problems and uncomplicated pregnancies. Includes an average of 12 hours of clinical experience a week in a variety of settings. Pre-req: NUR 309, 315, 317 and 319; minimum grade of "C" in prerequisites. Co-requisite: NUR 323.

362. EVIDENCE-BASED METHODS - 3 hrs. Introduces evidence-based practice to assist nurses in making clinical decisions related to patients' health needs. The research process and critical appraisal of best available evidence will be emphasized. Includes the clinical application of evidence-based practice. A minimum grade of "C" is required to pass this course. Pre-req: Admission to nursing: RN status.

390. NURSING TRANSITION: ROLE DEVELOPMENT – 3 hrs. 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.

391. ADVANCED HEALTH ASSESSMENT - 3 hrs. Focuses on patient-centered assessment across the lifespan. Includes clinical application of comprehensive health assessment. A minimum grade of "C" is required to pass this course. Pre-req: Admission to the nursing program. Co-requisite: NUR 390 must be concurrent.

392. QUALITY AND SAFETY ISSUES - 3 hrs. Explores quality and safety issues and initiatives in healthcare. Includes the clinical application of quality and safety structure, processes, and outcomes. A minimum grade of "C" is required to pass this course. Pre-req: Admission to nursing: RN status.

393. GERIATRIC NURSING - 3 hrs. Focuses on evidence-based practices in promoting health for older adults across the continuum of care. Professional roles in geriatric nursing will be examined. Includes clinical application of functional assessment. A minimum grade of "C" is required to pass this course. Pre-req: Admission to nursing: RN status.

405. POPULATION-BASED CARE - 2 hrs. Centers on the health needs of vulnerable population in a variety of settings. Topics include disaster management, substance abuse, prevention, and epidemiology. Pre-req: NUR 320, 322, 323, 324; minimum grade of "C" in prerequisites.

406. PROFESSIONAL NURSING III - 7 hrs. Focuses on the physiological and mental health needs of patients presenting with complex acute and chronic health problems across the lifespan. Caring for women with complicated pregnancies will be included. Pre-req: NUR 320, 322, 323, 324; minimum grade of "C" in prerequisites. Co-requisite: NUR 407.

407. CLINICAL NURSING III - 5 hrs. Application of Professional Nursing III theoretical concepts to the care of patients experiencing complex acute and chronic health problems and complicated pregnancies. Students will provide care for two to three individuals in a variety of settings. Includes an average of 15 hours of clinical experience a week in a variety of settings. Pre-req: NUR 320, 322, 323, 324; minimum grade of "C" in prerequisites. Co-requisite: NUR 406.

409. NURSING SYNTHESIS I - 2 hrs. Facilitates a review and integration of previous content including fundamentals, pediatrics, women's health, mental health, acute and chronic health conditions, and pharmacology. A variety of methods will be utilized including case studies, simulation, and NCLEX review questions. Pre-req: NUR 320, 322, 323, 324; minimum grade of "C" in prerequisites.

411. POPULATION HEALTH - 4 hrs. Focuses on clinical prevention to promote health of diverse populations. Includes clinical application that addresses the role of the nurse in public health and communities. A minimum grade of "C" is required to pass this course. Pre-req: Admission to nursing: RN status.

436. PROFESSIONAL NURSING IV - 3 hrs. Focuses on the needs of patients presenting with acute, life-threatening health problems across the lifespan. Critical care concepts and complex treatment modalities encountered in various critical care settings will be addressed. Pre-req: NUR 405, 406, 407, 409; minimum grade of "C" in prerequisites. Co-requisite: NUR 437.

437. CLINICAL NURSING IV - 2 hrs. Application of Professional Nursing IV theoretical concepts to the care of patients experiencing emergent and critical health problems. Includes an average of 12 hours of clinical experience per week in a variety of settings in half of the semester. Graded on a pass/fail basis. Pre-req: NUR 405, 406, 407, 409; minimum grade of "C" in prerequisites. Co-requisite: NUR 436.

438. LEADERSHIP AND MANAGEMENT - 3 hrs. Explores the role of nurse as leader. Topics include delegation, supervision, prioritization of care, quality improvement, practice issues, and organizational culture. Pre-req: NUR 405, 406, 407, 409; minimum grade of "C" in prerequisites.

439. NURSING SYNTHESIS II - 3 hrs. Guides students' preparation for successful completion of licensure examination and entry into the profession of nursing. Resources include delegation and prioritization strategies, case studies, and NCLEX review questions. An NCLEX review course will be included. Pre-req: NUR 405, 406, 407, 409; minimum grade of "C" in prerequisites.

440. CLINICAL CAPSTONE - 4 hrs. Immersion into the adult medical-surgical clinical setting, managing care for groups of patients. Weekly seminar is included. This is the culmination of all previous clinical experiences and takes place in the second half of the semester. Successful completion of NUR 436 and 437 or permission of the Nursing Program Director is required to begin this experience. Course graded on pass/fail basis. Pre-req: NUR 405, 406, 407, 409, 436, 437; minimum grade of "C" in prerequisites.

450. HEALTHCARE SYSTEMS - 3 hrs. Focuses on the broader context of healthcare systems including policy, finance, management, regulatory environments, healthcare disparities, and the nurse's role as an advocate. Includes the clinical application of selected concepts. A minimum grade of "C" is required to pass this course. Pre-req: Admission to nursing: RN status.

474. ETHICAL AND LEGAL ISSUES - 3 hrs. Explores ethical and legal principles in healthcare. Ethical and legal dilemmas within the clinical setting will be examined. A minimum grade of "C" is required to pass this course. Pre-req: Admission to nursing: RN status.

478. SPECIAL TOPICS - 1-3 hrs. 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 hrs. 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.

483. NURSE LEADERSHIP ROLE - 4 hrs. Examines leadership theory and roles in nursing. Interprofessional collaboration and current trends and issues will be discussed. Includes clinical application of nursing leadership concepts. This capstone course should be taken near the end of the RN-BSN curriculum. A minimum grade of "C" is required to pass this course. Pre-req: Admission to nursing: RN status.

PHILOSOPHY (PHIL)

201. INTRODUCTION TO PHILOSOPHY - 3 hrs. Philosophical examination of contemporary issues such as human nature, language and thought, human freedom, moral standards, social change, ecology and science, belief in God.

205. INTRODUCTION TO ETHICS – 3 hrs. An inquiry into the major concepts, problems, and arguments of moral philosophy. Topics include the objectivity or subjectivity of moral truths, altruism and self-interest, theories of right and wrong, and the nature of the good life.

210. LOGIC AND CRITICAL THINKING - 3 hrs. Recognition of the logical grammar of statements and arguments in order to penetrate to the logical structures embedded in written and spoken discourse. The purpose of this course is to develop skills in reading comprehension, composition, oral discourse, and problem-solving.

278. SPECIAL TOPICS - 1-3 hrs. A course category for selected topics in the general field of philosophy. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

308. PHILOSOPHICAL PERIODS - 3 hrs. Exploration and evaluation of selected important historical periods of philosophy. Periods listed vary from ancient to contemporary and include such specific periods as nineteenth century. Students may repeat the course for credit under different subtitles.

321. ETHICS - 3 hrs. An introduction to philosophical thinking about current moral issues, including the application of ethical principles and theories to these issues. Moral problems to be explored may include euthanasia, abortion, animal rights, justice, sexual morality, and free speech. Pre-Req: ENG 102 or ENG 103.

328. TOPICS IN ETHICS – 3 hrs. Philosophical examination of the ethics of some specific discipline, issue, or theme. Topics vary, such as bioethics, environmental ethics, moral psychology, or sport ethics. Students may repeat the course for credit under different topics. Pre-req: ENG 102 or ENG 103.

400. INTERDISCIPLINARY PHILOSOPHY - 3 hrs. Philosophical examination of the foundations of the selected discipline, including key concepts, methods, principles, presuppositions, and impact on our lives. Listed according to subject selected, such as Philosophical Anthropology; Philosophy and Psychoanalysis, Philosophy in Literature Philosophy of Art, Education, History, Law, Mathematics, Religion, or Science. Students may repeat course for credit under different subtitles.

402. THEORIES CRIME & PUNISHMENT – 3 hrs. This course examines fundamental topics in the philosophy of law, including the nature and content of law, its relation to morality, the obligation to obey the law, and theories of judicial reasoning, as well as philosophical issues associated with punishment, responsibility, and liberty. It also addresses concerns in the practice of law, including racism and sexism in law, along with questions of individual rights and privacy. Readings include traditional and contemporary legal theory, case studies, and court decisions. Pre-req: ENG 102 or ENG 103.

406. MAJOR PHILOSOPHERS - 3 hrs. Examination of selected writings of one or more outstanding philosophers from Plato to Sartre. Primary sources are used to examine basic philosophical problems. Students may repeat the course for credit under different subtitles.

478. SPECIAL TOPICS - 1-3 hrs. 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 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

PHYSICAL EDUCATION (PE)

101. GENERAL PROGRAM IN PHYSICAL EDUCATION I - 1 hr. Required of all students. Students elect lifetime sports and/or conditioning activities; some sections contain classroom sessions on the benefits of physical activity. Students with physical disabilities will be placed in special sections adapted to their abilities. Special sections required for Physical Education and Exercise Physiology majors.

102. GENERAL PROGRAM IN PHYSICAL EDUCATION II - 1 hr. Required of all students. Students elect lifetime sports and/or conditioning activities, some sections contain classroom sessions on the benefits of physical activity. Students with physical disabilities will be placed in special sections adapted to their abilities. Special sections required for Physical Education and Exercise Physiology majors.

120. INTRODUCTION TO HEALTH & PHYSICAL EDUCATION - 1 hr. This course of study is designed to introduce the student to aspects of the disciplines such as the areas of study, technology, certifications, professional organizations and career opportunities. The students will

also develop an appreciation for the history, as well as current and future trends in Health and Physical Education. Offered fall semester only.

124. INTRODUCTION TO SPORTS MANAGEMENT – 1 hr. 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.

211. GROUP FITNESS LEADERSHIP - 2 hrs. This is a course of study that gives the student the opportunity to gain both pedagogical and content knowledge necessary to learning and teaching various group fitness classes such as Zumba, Yoga, and Step Aerobics.

215 BEGINNING SWIMMING – 1 hr. This course of study is designed to introduce the student to content knowledge in the fundamentals of swimming skills, aquatic exercise, and water safety. Water games and forms of water fitness will also be introduced.

216. WATER SAFETY INSTRUCTION --1 hr. 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. Pre-req: Successful completion of written pre-test and basic aquatic skills assessment. Offered fall semester only.

225. LIFEGUARDING - 1 hr. This course is designed to provide American Red Cross certification in lifeguarding. Pre-req: Proficient swimming skills applicable to American Red Cross level V. Offered spring semester only.

240. ANATOMY AND PHYSIOLOGY - 3 hrs. A study of basic body organs and their functions. The functions and structures that are stressed or modified by physical activity will be emphasized. Pre-req: Any college level physical or natural science laboratory course. Offered fall semester only.

258. MOTOR DEVELOPMENT - 2 hrs. Analyze the factors affecting the acquisition of fundamental and fine motor skills, then examine how these factors interact with the motor development process across the lifespan, with emphasis on physical growth, physiological changes, and the domains of human development - cognitive, social, and motor.

278. SPECIAL TOPICS - 1-3 hrs. 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.

306. PRIMARY MOVEMENTS – 2 hrs. Provides a study of movement education, the performance and analysis of fundamental movement skills, manipulative skills, low organized games, and sport lead-up activities, along with fundamentals of rhythm and dance for students in preschool-grade 6. Grouping methods, planning, and integration of activities with other curricular areas will be addressed while appropriate instructional practices in elementary level physical education are emphasized. Pre-req: PE 308.

308. INVASION AND DIAMOND GAMES – 3 hrs. This course of study in the content knowledge and skills in invasion games and diamond games. The practical application of motor skill acquisition and analysis of critical elements is emphasized. Pre-req: PE 258.

317. NET AND WALL GAMES – 3 hrs. This course of study in the content knowledge and skills in net, wall, and target games. The practical application of motor skills acquisition and analysis of critical elements is emphasized. Pre-req: PE 258.

320. PRINCIPLES OF COACHING - 3 hr. Methods and coaching techniques for general athletic programs. General topics covered include budgeting, scheduling, recruitment, etc. Offered fall semester only.

321. ASSESSMENT IN PHYSICAL EDUCATION – 2 hrs. A study of theory and practices in conducting a variety of standards-based assessments for use in a K-12 environment, including appropriate grading practices, along with standardized assessments such as the FitnessGram, Functional Movement Screening (FMS) and Game Performance Assessment Instrument (GPAI). Pre-req: PE 308, 317.

322. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION, RECREATION, AND ATHLETICS – 3 hr. Principles of planning, administration, and conduction of the total school program of Physical Education, Recreation, and Athletics. Pre-req: Junior standing.

324. PRACTICUM IN SPORTS INFORMATION – 2 hrs. This course provides practical experiences associated with Sports Information operations. Topics include media relations, promotions, statistical analysis, public relations, NCAA reports, etc. Students will complete 48-60 hours of practical experience.

326. TESTS, MEASUREMENTS, AND RESEARCH DESIGN - 2 hrs. A review of measures of central tendency, measures of variability, correlations, T-tests, and ANOVA. Emphasis is on the application of instruments, tests, and statistical procedures within a research design.

327. COACHING YOUTH SPORTS – 1 hr. An integration of the cognitive, psychomotor/developmental, and effective aspects and issues of coaching youth sports.

328. GENDER & CULTURAL CONCEPTS IN COACHING – 1 hr. This class will examine historical and current concepts related to gender and cultural differences in team and individual sports.

329. COACHING GOLF I – 1 hr. Fundamental skills of golf, team organization and coaching methods. Offered fall semester only.

331. COACHING BASEBALL/SOFTBALL - 1 hr. Fundamental skills of baseball, team organization and coaching methods will be discussed. Offered spring semester, even years.

332. COACHING FOOTBALL - 1 hr. Fundamental skills of football, team organization and coaching methods will be discussed. Offered fall semester, even years.

333. COACHING VOLLEYBALL - 1 hr. Fundamental skills of volleyball, team organization and coaching methods will be discussed. Offered fall semester, even years.

334. COACHING BASKETBALL - 1 hr. Fundamental skills of basketball, team organization and coaching methods will be discussed. Offered fall semester, even years.

335. SPORT OFFICIATING - 1-2 hrs. Rules and techniques of officiating. Two hour course requires additional laboratory experiences.

336. COACHING WRESTLING - 1 hr. Fundamental skills of wrestling, team organization and coaching methods will be discussed. Offered spring semester, odd years.

337. COACHING TRACK & FIELD - 1 hr. Fundamental skills of track and field, team organization and coaching methods will be discussed. Offered spring semester, even years.

338. COACHING TENNIS - 1 hr. 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 hrs. A comprehensive presentation of factors contributing to traumatic and chronic sports injuries including predisposing factors, mechanisms of occurrence, early recognition and initial treatment. Pre-req: PE 240 or BIO 212.

343. PHYSICAL EDUCATION FOR MULTI-SUBJECT TEACHERS - 2 hrs. Methods and techniques for teaching physical education for the early and middle childhood education major.

344. COACHING SOCCER - 1 hr. Fundamental skills of soccer, team organization, and coaching skills will be discussed.

345. PHYSIOLOGY OF SPORT AND EXERCISE - 3 hrs. 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. Pre-req: PE 240 or BIO 212.

354. FACILITIES MANAGEMENT IN SPORTS AND PE – 2 hrs. 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 hrs. The course will provide background related to current legal issues surrounding sports and athletics. Content will include contracts, liability, the American court system, legal theory, and a review of pertinent case law. Fall semester of odd years.

365. PSYCHOLOGY AND SOCIOLOGY OF PHYSICAL EDUCATION - 2 hrs. 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 hrs. 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 hrs. 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 hrs. 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. Pre-req: BIO 212 or PE 240.

440. COACHING INTERNSHIP – 1-6 hrs. On-the-job experience, training and instruction in a coaching-related organization. The internship instructor and the student will arrange the appropriate internship site. A minimum of 100 contact hours and a diary/log recorded by the student will be required. Students will receive "K" credit for this course.

452. ADAPTED PHYSICAL EDUCATION -2 hrs. An introduction to the field of adapted physical education through the study of prevalent disabilities and disabling conditions. Emphasis is on developing and demonstrating appropriate progressive and sequential instruction for students with diverse needs. Appropriate assessments for use in an adapted physical education and sports setting will be implemented. Pre-req: SPED 241, PE 308.

478. SPECIAL TOPICS - 1-3 hrs. A course category for special topics in physical education. Students may recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

PHYSICS (PHYS)

101. ELEMENTARY PHYSICS I - 3 hrs. 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. Pre-req: MATH 145 or equivalent and some knowledge of trigonometry or MATH ACT of 25 or SAT equivalent.

102. ELEMENTARY PHYSICS II - 3 hrs. 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. Pre-req: PHYS 101 and 110.

110. ELEMENTARY PHYSICS I LABORATORY – 1 hr. An introduction to experimentation, the use of the personal computer in the laboratory, the analysis of data by means of graphical analysis, the use of the World Wide Web. Prerequisite or Co-requisite: PHYS 101.

111. ELEMENTARY PHYSICS II LABORATORY – 1 hr. A continuation of PHYS 110 with emphasis on electricity, magnetism, and optics experiments. Pre-req: PHYS 101 and PHYS 110. Co-requisite: PHYS 102.

140. PHYSICAL SCIENCES I FOR ELEMENTARY TEACHERS - 3 hrs. Lecture course dealing with the physical science content found within the elementary school curriculum, especially: Compounds, Mixtures, Solutions, Physical and Chemical states, Phase Changes, Density, Buoyancy, Energy, Forces, Motion, and Earth and Space Sciences. Science education topics will also be covered. Three hours of lecture per week. This course is to be taken prior to PHYS 340. Open only to elementary education students.

150. SCIENCE, TECHNOLOGY, AND SOCIETY - 2 hrs. 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 hrs. 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 hr. 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 hrs. 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. Pre-req: PHYS 102 and MATH 210.

213. APPLICATIONS OF THE MICROCOMPUTER IN THE SCIENCE CLASSROOM AND LABORATORY - 2 hrs. 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 hrs. Specialized scientific applications in photography, related to science education.

278. SPECIAL TOPICS IN PHYSICS - 1-3 hrs. 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 hrs. An introduction to the special theory of relativity, atomic theory and quantum mechanics, nuclear structure and decay. Pre-req: PHYS 200.

308. APPLIED E & M - 3 hrs. Selected topics in electricity and magnetism as applied to energy transmission and distribution and energy systems. Pre-req: PHYS 102 and MATH 210.

315. TRENDS AND ISSUES IN SCIENCE EDUCATION - 3 hrs. Lecture course dealing with science education issues and trends found within the

middle and high school curriculum, especially: Teaching Techniques, Science and Engineering Practices, Science Standards, Nature of Science, Issues, Technology, Science in the Community, and Safety and Welfare. Open only to education majors. Three hours of lecture per week. Pre-req: EDUC 301.

320. DEMONSTRATIONS, EXPERIMENTS, AND SCIENCE TEACHING TECHNIQUES - 2 hrs. A study of the design and use of lecture demonstrations, laboratory experiments and safety, laboratory management and evaluation, and interpreting experimental results.

340. PHYSICAL SCIENCES II FOR ELEMENTARY AND 5-9 TEACHERS - 4 hrs. An integrated lecture-laboratory course dealing with the physical science content often found within the elementary school curriculum, especially Electricity, Magnetism, Waves, Light, Sound, Simple Machine, and Nuclear Energy. Science education topics will also be covered. Open only to elementary K-6 and general science 5-9 students. Three hours of lecture and two hours of laboratory per week. For General Science 5-9 minors it is strongly suggested that they take MATH 145 prior to taking this course. Pre-req: PHYS 140 (for Elementary k-6 majors).

345. EARTH AND SPACE SCIENCE - 3 hrs. Lecture course in astronomy and geology topics. Course covers earth-space sciences, especially: historical geology, earth materials, earth structures, and physical processes which shape the earth, the solar system, stellar evolution, structures in the universe, telescopes, modern astronomy, and motions. Three hours of lecture per week. Some student's major/minor may require them to complete the lab (PHYS 346) concurrently. Co-req: PHYS 346

346. EARTH AND SPACE SCIENCE LAB – 1 hr. Laboratory course in astronomy and geology topics. Course covers earth-space science topics that complement PHYS 345. Two hours of laboratory per week. Some student's major/minor may require them to complete both the lecture (PHYS 345) and lab (PHYS 346) and it is best if they are taken concurrently. This laboratory has mandatory night observations. Co-req: PHYS 345 or by instructor permission.

350. TOPICS IN ENERGY - 3 hrs. 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. Pre-req: PHYS 102, 111.

360. PHYSICAL GEOLOGY - 4 hrs. 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 hrs. History of astronomy, telescope and accessories; the solar system, stars, stellar evolution, structure of the universe, modern astronomy, and structure of the galaxy. Laboratory supplements the lecture section. Three hours of class and two hours of laboratory per week. Includes mandatory night observations.

400. OCEANOGRAPHY AND CLIMATOLOGY - 2 hrs. The course introduces students to principles of oceanography and climatology. It provides an understanding of the dynamic nature of oceanic and atmospheric systems. It briefly introduces physical, geological, chemical, biological oceanography and climatology. Two hours of lecture per week. No prerequisites.

478. SPECIAL TOPICS IN PHYSICS - 1-3 hrs. A special course category for contemporary topics in the general field of the physical and earth sciences. Students should consult the schedule to ascertain what topics are currently being presented, and are further encouraged to recommend topical items to the department chairman.

POLITICAL SCIENCE (POLS)

101. BASIC CONCEPTS IN POLITICS AND GOVERNMENT - 3 hrs. This course will provide a conceptual and experiential introduction to politics utilizing lectures, small group discussions and simulations.

201. AMERICAN GOVERNMENT - 3 hrs. Historical background of American government; the Constitution; political processes; structure and procedures of government.

202. AMERICAN STATE AND LOCAL GOVERNMENT - 3 hrs. The interrelationship of national, state, and local governments; problems and functions of the modern state; revision, reapportionment, and finance.

278. SPECIAL TOPICS - 1-3 hrs. 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 hrs. 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 hrs. 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 hrs. 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 hrs. Analysis of comparative political systems, institutions, and processes. Areas of emphasis include Asia, Africa, Europe, and Latin America.

306. THE UNITED STATES CONGRESS – 3 hrs. Examines the legislative branch of the federal government, including its history and development. Primary focus is placed on the leadership structure in Congress, the committee system, and the policy-making process. Also examines the electoral process, and the interaction of the legislative branch with the executive branch.

308. AMERICAN POLITICAL THOUGHT – 3 hrs. Considers the corpus of American political thought from colonial days through the 20th century. Examines the idea of America, opposing viewpoints, or challenges, to that view, as well as the idea of the Founding, the reasons for the Civil War, and the advance of progressivism. Questions of slavery, race, nature, natural rights, civil rights, and the like are considered.

315. STATE CONSTITUTIONS IN APPALACHIA - 3 hrs. This course examines state constitutions in Appalachia; how they were formed, how they have changed, and how they reflect the social and political realities of the region. Study will include issues of representation, slavery and emancipation, separation of powers, and economic factors in a constitutional context.

316. LEARNING THE CAMPAIGN – 3hrs. This course will examine the nuts and bolts of campaigns and running for office, from challenger to incumbent. We will address issues including campaign structure and strategy, media communications, advertising, speech writing and rhetoric and polling. Pre-req: POLS 201, and C or better in (ENG 101 and ENG 102) or ENG 103.

317. PRACTICAL GUIDE TO LOBBYING – 3 hrs. This course examines all aspects of lobbying, strategies and tactics. It will cover how interest groups educate and inform political officials, advocate for laws and regulations, and mediate interactions with voters and the media. Pre-req: POLS 201, and C or better in (ENG 101 and ENG 102) or ENG 103.

320. THE POLITICS OF REVOLUTION AND CHANGE – 3 hrs. 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 hrs. 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 hrs. 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 hrs. Examination of political behavior from the political-psychological, sociological perspectives, emphasis on the micro level of analysis. Pre-req: POLS 201, and C or better in (ENG 101 and ENG 102) or ENG 103.

406. THE AMERICAN PRESIDENCY - 3 hrs. An examination of the office of the President in terms of history, the Constitution, the institution of the presidential office, and theory of the American executive. Considers the development of the presidency from the Founding through the progressive era and the president in terms of the more abstract understanding of Statesmanship. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

414. ETHICS IN CAPITALISM - 3 hrs. An analysis of the merits, challenges and ethical foundations of free enterprise. The principle of free enterprise will be applied to a variety of historical and current issues ranging from business regulation and labor markets to health care, economic development and the environment. It will examine such topics as private property, income inequity, wealth creation, etc. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103. Also, Honors Program membership or Junior/Senior standing.

415. PARTIES AND ELECTIONS - 3 hrs. Considers parties and elections, party in government, and party organizations. It will examine current elections, polling, and whether parties are good or merely beneficial for politics. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

419. POLITICS AND THOUGHT IN TIME - 3 hrs. Examines political thought focusing on Plato, Aristotle, Cicero, Machiavelli, Locke, Marx, and Nietzsche to the present. Pre-req: POLS 101, and C or better in (ENG 101 and ENG 102) or ENG 103.

420. MODERN POLITICAL THOUGHT - 3 hrs. Introduction to problems of political theory through reading and discussion of works on political doctrine from Machiavelli to the present. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

421. GLOBAL POLITICAL LIFE – 3 hrs. The thought and action of politics as it pertains to our global experience featuring historical ideas and concepts drawn from all parts of the world. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

426. TWENTIETH CENTURY UNITED STATES FOREIGN POLICY - 3 hrs. An analysis of historical factors influencing America's search for a new global role. See HIST 426. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

441. AMERICAN CONSTITUTIONAL LAW - 3 hrs. The study of the United States Constitution, including judicial review, the role of political entities, and the relationship between local, state, and federal governments. Includes an introduction to, and the associations with, the organization and administration of political, criminal justice and judicial bureaucracies**.** Equivalent to HIST 441 and CJ 441. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

442. LIBERTY AND LAW - 3 hrs. 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 with particular emphasis placed on recent developments in criminal justice. Course equivalent to CJ 442. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

450. PRE-LAW INTERNSHIP - 6 hrs. Placement of pre-law students in law offices; provides interns with an opportunity to do legal research, synthesize theory with practice. Pre-req: G.P.A. of 3.0.

470. SEMINAR IN POLITICAL SCIENCE - 3 hrs. Directed research on selected topics in political science. Individual group discussions. Pre-req: Six hours in political science, junior or senior status. Pre-req: ENG 101 and ENG 102.

478. SPECIAL TOPICS - 1 -3 hrs. 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. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

490. HERNDON LEGISLATIVE FELLOWS PROGRAM - 3-12 hrs. 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 hrs. 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 hrs. 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 hrs. Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

PROFESSIONAL STUDIES (PS)

Professional Studies (PS) courses are designed to cultivate and enrich students' knowledge and skills for and within the workplace. PS courses all have a strong emphasis on professional development in regard to a wide variety of topics, issues, and practical applications relevant to professionalism in the contemporary workplace. PS courses are open to all students. There are no prerequisites. For students in the Regents Bachelor of Arts (RBA), the Bachelor of Arts in Organizational Leadership, and Administration (BLA) degree programs, PS courses will fulfill designated General Studies requirements. For all other degree programs, PS courses will serve as general electives only.

199. PROFESSIONAL STUDIES TOPICS – 1-6 hrs. This designation is for credits earned through professional work training and experience in

the various fields of professional studies. The credits would be comparable to lower division electives. For RBA and BLA programs only.

250. COMPUTER USE FOR PROFESSIONALS – 3 hrs. This course educates students in a variety of computer uses which facilitate professional development. In addition, emphasis is placed on proper professional etiquette, protocol and ethics as they are relevant to computer use. Professional usage skills to be developed variously include: word processing applications, keyboard techniques and shortcuts, browser options, search engines, internet usage (including research purposes), professional e-mail usage, professional social media usage, file management, managing data and creating data designs through spreadsheets, and presentation management through presentation software. No prerequisite required. ***Computer Applications***

278. SPECIAL TOPICS IN PROFESSIONAL STUDIES - 1-3 hrs. A course category in the general field of Professional Studies - Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the Dean of Professional Studies. No prerequisite required. ***General Studies Elective in variable areas***

300. PROFESSIONAL PORTFOLIO DEVELOPMENT - 1 hr. Students are instructed in the processes for developing a professional portfolio of their work and life experiences in order to be able to apply for academic credit for those experiences. No prerequisite required.

301: INTRODUCTION TO LEGAL STUDIES FOR PROFESSIONALS - 3 hrs. This course provides an overview of the structure and operations of American law and the American legal system, especially in regard to the law's application to professional work in for-profit and non-profit organizations. Students are introduced to the ways law shapes professional work and the ways professional work shapes the law. Among other topics relevant to professionals, this course explores definitions and concepts of law, the ways injuries and disputes are mediated, and the concept and importance of workplace rights. No prerequisite required. ***Social Science***

302. RETIREMENT PLANNING FOR PROFESSIONALS - 3 hrs. This course covers the strategies, techniques, and programs for effective retirement planning for professionals from a wide range of fields. Emphases are also placed upon learning to assess retirement lifestyle options which are significantly relevant to retirement financial planning. No prerequisite required. ***Social Science***

303. PUBLIC HEALTH ISSUES FOR PROFESSIONALS - 3 hrs. The purpose of this course is to examine public health issues and their impact on professional work. Students will be introduced to various areas of significance in public health, such as epidemic prevention, natural disaster response and recovery, environmental hazard protection and assessing quality and accessible health services. These areas will be understood especially in regard to the ways they affect the professional workplace through interpreting and applying laws, regulations, policies, and procedures that relate to communicable disease reporting. No prerequisite required. ***Social Science***

304. THE HEALTHY PROFESSIONAL - 3 hrs. The purpose of this course is for professionals to learn the basic principles necessary to maintain a healthy lifestyle by keeping a variety of variables in balance and understanding the common internal and external forces that tend to disrupt homeostasis. Students will understand the order of magnitude that stress/strains have on their systems and how to reduce them. Students will also discover basic internal decision-making rules to maintain balance and health. No prerequisite required. ***Social Science***

305. THE ESSENTIALS OF PROFESSIONAL GRANT WRITING - 3 hrs. A review of the ideas, sources, general processes and common pitfalls of grant writing in general Additional topics include following the proposal guidelines, determining the focus of and selling one's project, basic research and design, use of literature citations, collaboration and consultants, proposal organization, formatting and electronic presentation, and scoring and resubmission. Practical experience in developing the aspects of a grant proposal will be emphasized. No prerequisite required. ***Communication***

306. APPLIED MATHEMATICS FOR THE PROFESSIONAL- 3 hrs. This course offers an exploration of real-world mathematics for the professional. Topics include area and volume, probability, functions, compound interest, exponential growth, symmetry and transformative geometry, statistics, ratios, proportions and fractions. All topics draw upon current event-based scenarios and relevant considerations and dilemmas for the contemporary professional. No prerequisite required. ***Mathematics***

307. PROFESSIONALISM THROUGH BIOGRAPHY - 3 hrs. Through the study of biographies and autobiographies about a variety of world leaders, top CEO's, legendary sports coaches, and major culture and arts figures, students will learn about different professional styles and the ways those styles can apply to their own professionalism. Students' learning will be accomplished specifically through writing a number of short essays, guided class discussions, applied practical exercises, and class presentations. Facilitating the students' self-discovery in terms of their own professional strengths and weaknesses will be a prime objective. No prerequisite required. ***Humanities***

308. RHETORIC AND REASONING FOR PROFESSIONALS - 3 hrs. The emphasis in this course is to cultivate students' skills in rhetoric and reasoning to advance their professional development. Specific topics will include: a survey of the history of rhetoric, the basic principles of rhetoric, the issue of truth and rhetoric, refining reasoning skills for improving rhetoric, and the inter-relationship between reasoning and language. Students will develop their professional reasoning and rhetorical skills through completing a number of various kinds of writing assignments, presentations on topical issues in professionalism, and a series of professionally practical exercises. No prerequisite required. ***Communication***

309. SOCIETY, ETHICS AND TECHNOLOGY FOR PROFESSIONALS - 3 hrs. After a historical survey of the social evolution of technology and various ways of understanding the social impact of technology, students will be familiarized with methods of ethics analysis in order to be able to recognize and evaluate technological ethics issues in the professional workplace. Emphasis will be placed on analyses of topical ethics scenarios and on extended case studies. No prerequisite required. ***Humanities***

310. PROFESSIONALISM IN THE NON-PROFIT SECTOR - 3 hrs. Professionals with non-profit organizations have a responsibility to contribute to engendering positive change in individuals and society. Students will explore components of non-profit organizations that support this responsibility as well as distinguish non-profits from for-profit businesses. These components include: the importance of defining a mission and a vision statement, understanding 501(c) (3) non-profit status, effective strategies for marketing, innovation, and fund development, measuring performance, the value of relationship building, and the role of a leader. No prerequisite required. ***Social Science***

311. PUBLIC ADMINISTRATION PRINCIPLES AND APPLICATIONS FOR PROFESSIONALS - 3 hrs. This course begins with an overview comparison/contrast of the basic principles of private vs. public administration, which leads to an examination of how the local, state, and federal bureaucratic systems are organized and how they relate. The course then focuses on two key areas in which a public servant is likely to be involved: public personnel administration and public budgeting. Emphasis is placed upon recruitment, training, promotion policies, position classification, and employer-employee relations. In addition, the politics, techniques, and fiscal schedules of budgeting processes at federal, state and local levels are studied. No prerequisite required. ***Social Science***

312. ECOLOGICAL ISSUES FOR PROFESSIONALS - 3 hrs. This course begins with an examination of the basic principles of ecological science pertaining to its definition, subject matter, scientific methodology and research protocol. The course then proceeds to study various ecological issues from a scientific perspective in regard to how they impact professional work. Such issues will include ecological engineering

and sustainability, restoration ecology, the effects of standard and alternative energy sources, and environmental ecology: conservationism and stewardship. No prerequisite required. ***Natural Science***

313. DIVERSITY AND DISABILITY IN THE PROFESSIONAL WORKPLACE - 3 hrs. The course offers in-depth education on disability awareness by focusing on four topical areas, 1) Typecasting: Understanding the Diversity of Disability, 2) Legal Implications: A Synoptic Overview of the Americans with Disabilities Act (ADA), 3) Reasonable Accommodation, and 4) Etiquette: Communication and Interaction. The study of each of these areas will integrate relevant provisions from the five topics of the ADA: 1) Employment, 2) Government, 3) Public Accommodations, 4) Telecommunications, and 5) Transportation. Additional special emphasis will be placed on ADA applications to professionals operating small businesses of 15 to 100 employees. No prerequisite required. ***Social Science***

314. CROSS-CULTURAL STUDIES FOR PROFESSIONALS - 3 hrs. The aim of this course is to educate students in the cross-cultural differences and similarities between people, which are especially relevant to the professional workplace. Emphasis is placed upon cultivating students' abilities to recognize and respect such differences and similarities, and integrate them into an effective and congenial work environment. No prerequisite required. ***Social Science***

315. ORGANIZATIONAL ETHICS FOR PROFESSIONALS - 3 hrs. Basic principles of ethics will be understood and applied to analyze concrete issues in for-profit and non-profit organizations. Emphasis will be placed on establishing the fundamental relationship between ethical conduct and genuine professionalism. No prerequisite required. ***Humanities***

316. THE SCIENCE OF NATURAL DISASTERS AND EMERGENCY RESPONSES – 3 hrs. Natural disasters can have a substantial negative impact on life, economics, and civil planning. Professionals, in their work and personal lives, need to learn to prepare and plan accordingly to prevent the loss of life and property. This course focuses primarily on the methods of response to naturally destructive phenomena, as well as the physical mechanisms by which these events are triggered, so as to provide sufficient foundation on which professionals can understand the most appropriate and effective emergency responses to such disasters. No pre-requisite required. ***Natural Science/Physical Science***

317. PERSONNEL ADMINISTRATION FOR PROFESSIONALS – 3 hrs. This course will provide clarity with regard to human resource principles by examining values-based concepts, employee retention and turnover, employee engagement techniques, talent management tools, and high performance work teams. By understanding impacts of these principles, students will be able to identify and develop realistic strategies for personal, professional, and career growth. No prerequisite required. ***Social Science***

318. LEADING CHANGE AND COMMUNICATION FOR PROFESSIONALS – 3 hrs. This course begins with an in-depth exploration of change leadership and will provide guidance for planning, implementing, and managing change efforts. Change Leadership theory will provide a pathway for moving people's behavior from old ways to new ways, from moving from plans on paper to reality in the workplace. Students will be given the opportunity to learn and practice an effective change leadership process along with the adaptation of several communication tools through analysis of case studies. This course will be a highly interactive experience with practical application of the concepts presented. No prerequisite required. ***Communication***

319. FINANCIAL PLANNING FOR PROFESSIONALS – 3 hrs. Professionals who practice self-reliance and understand financial planning will be best prepared for life. This course is designed to give students a basic understanding of financial planning. Concepts include career and salary history, money management and budgeting, income and asset protection, investments, retirement planning and estate planning. Student will create their own personal financial plan as a course outcome. No prerequisite required. ***Social Science***

320. PROMOTIONAL STRATEGIES FOR ORGANIZATIONS – 3 hrs. Introduction to promotional concepts and strategies that is applicable to virtually any organization, non-profit and for-profit. Areas of emphasis include the importance of the following: utilizing systems and processes to define market strategies; analyzing marketing and customer/client orientation within your organization; evaluating ethical impact of marketing decisions; developing frameworks that encompass marketing strategies; developing branding and its organizational impact. This course is structured to provide primary insight into key marketing concepts and strategies. ***Social Science***

321. PROFESSIONAL PUBLIC RELATIONS - 3 hrs. Students are taught the basic principles and practices of public relations, which are applicable to for-profit and non-profit organizations. Among the course's topics are the differences between public relations and advertising, the advantages of publicity, how to develop and initiate a public relations campaign, how to prepare press releases, fact sheets, brochures, and press kits, and how to best utilize electronic/digital resources for publicity. ***Social Science***

322. MEDIA ADVERTISING FUNDAMENTALS FOR PROFESSIONALS – 3 hrs. For professionals today, the modern field of mass media offers many ways to reach an audience through: online sites, television, radio and print. This course will strengthen one's ability to make positive decisions on correctly using advertising dollars and will impact a better understanding on how to deal with both agencies and account executives. ***Social Science***

323. SOCIAL MEDIA STRATEGIES FOR PS – 3 hrs. Social media is fast becoming the way of the future for making business connections and distributing a professional resume. This course will show you how to best utilize current forms of social media in order to market yourself to a possible employer. Students in this course will gain an understanding of presenting themselves via the social media platforms: LinkedIn, Facebook and Twitter. Technical aspects of video production, lighting, and speaking will also be addressed in order to demonstrate professionalism in the online world. ***Computer Applications***

324. UNDERSTANDING MASS MEDIA – 3 hrs. This course is designed to familiarize the students with the multi-faceted complex that creates today's mass media environment. The individual media of newspaper, magazine, radio, television and newer digital and online innovations encompass the media which impact our daily lives. These media also unite us with a shared sense of community. This course will examine this influential power of mass media in our personal and professional lives. ***Social Science***

325. ORGANIZATIONAL LEADERSHIP: BEHIND THE FILM LENS – 3 hrs. This course will study the complex and multifaceted role of directors and producers within the film and television industry. The student will be able to develop familiarity with notable directors within the framework of film and television history. Specific leadership styles of well-known directors such as Frank Capra and Clint Eastwood will be presented and analyzed throughout the duration of the course. In essence, this course is designed to give the student a broad-based view o the film and television industry based on the historical significance of these industries with an emphasis on examining the leadership styles that have kept these industries empowered during the 20th and 21st centuries. ***Social Science***

399. PROFESSIONAL STUDIES TOPICS – 1-6 hrs. This designation is for credits earned through professional work training and experience in the various fields of professional studies. The credits would be comparable to upper division electives. For RBA and BLA programs only.

478. SPECIAL TOPICS IN PROFESSIONAL STUDIES - 1-3 hrs. A course category in the general field of Professional Studies - Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the Dean of Professional Studies. No prerequisite required. ***General Studies Elective in variable areas***

PSYCHOLOGY (PSYC)

100. INTRODUCTION TO PROFESSIONAL PSYCHOLOGY - 2 hr. This course is a combination of direct instruction, simulation, and group discussions. It is used to acquaint prospective psychology students with the profession of psychology and the psychology program goals, student learning objectives and requirements of WLU's psychology program. Skills necessary for the completion of the program will be introduced, including but not limited to: understanding of the field of psychology as a whole and differentiating it from other fields, understanding of the structure and requirements of the psychology degree program at WLU, exposure to APA style writing, and practice in analyzing research articles. Psychology majors only.

101. INTRODUCTION TO PSYCHOLOGY - 3 hrs. Basic principles essential for a scientific investigation of human behavior.

225. PSYCHOLOGY OF CHILDHOOD AND ADOLESCENCE - 3 hrs. Facts and principles involved in the development of infants, children, and youth. Pre-req: PSYC 101.

252. LIFESPAN DEVELOPMENT - 3 hrs. 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. Pre-req: PSYC 101.

278. SPECIAL TOPICS - 1-3 hrs. 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.

310. EXPERIMENTAL DESIGN AND ANALYSIS I – 4 hrs. The first course in a two-course sequence that provides foundational knowledge in scientific thinking, psychological research design, methods of data visualization, and communication/interpretation of statistical analysis. Minimum grade of C required. Pre-req: PSYC 101.

311. EXPERIMENTAL DESIGN AND ANALYSIS II –4 hrs. The second course in a two-course sequence that provides more advanced knowledge in scientific thinking, psychological research design, methods of data visualization, and communication/ interpretation of statistical analysis. Minimum grade of C required. Pre-req: PSYC 310.

320. PSYCHOLOGY OF ADULTHOOD AND OLD AGE - 3 hrs. A developmental study of adulthood, middle age and old age, with emphasis on psychological, social, emotional and intellectual processes. Pre-req: PSYC 101.

321. PSYCHOLOGY OF PERSONAL GROWTH - 3 hrs. Student is viewed as his/her best agent in understanding human behavior and of promoting constructive change. Intensive small group interaction and individual projects are used to stimulate communication and to deal with such issues as personality, sexuality, love, values, work, intimate relationships, loneliness and solitude, and death and dying. Restricted to psychology majors and minors. Pre-req: Junior or senior Psych major or minor.

322. PERSONALITY PSYCHOLOGY – 3 hrs. An overview of multiple theoretical perspectives used in the analysis of personality. Psychological testing and psychotherapies developing from these various theories will also be addressed. Pre-req: PSYC 101

335. INTRODUCTION TO LEARNING - 3 hrs. A survey of fundamental facts, principles, methodology, and conceptual framework involved in animal and human learning. Pre-req: Must be admitted into the psychology program.

336. SENSATION AND PERCEPTION - 3 hrs. Appraisal of traditional and contemporary psycho-physical models. General characteristics of the sensory systems, conditions and principles of human perception with emphasis on vision. Pre-req: Must be admitted into the psychology program.

338. INTRODUCTION TO LEARNING LABORATORY - 1 hr. Introduction to the experimental investigation of the Psychology of learning. Exercises in both animal and human learning will be conducted. To be taken in conjunction with PSYC 335.

341. PSYCHOLOGY OF ABNORMAL BEHAVIOR – 3 hrs. Psychological analysis of mental disorders and abnormal behavior. Pre-req: PSYC 101

345. PSYCHOLOGICAL TESTS AND MEASUREMENTS - 3 hrs. An overview of assessment instruments utilized in the psychological evaluation of individuals, and groups. Topical areas will include intelligence, achievement, personality, and interests. Pre-req: PSYC 101

405. FORENSIC PSYCHOLOGY – 3 hrs. Forensic Psychology is defined as any type of psychology used within the legal system. It is where the law and psychology intersect. Covered topics include: determining competence to stand trial, how psychology can benefit law enforcement, psychological profiling for the purpose of criminal investigation, interrogation techniques, eyewitness testimony, false confessions and the death penalty. Pre-req: PSYC 101.

409. HISTORY OF PSYCHOLOGY - 3 hrs. A survey of historical figures and systems underlying the various theoretical and conceptual issues in psychology. Pre-req: PSYC 101 and 322, and Junior or Senior standing.

415. INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY - 3 hrs. 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. Pre-req: PSYC 101.

416. SOCIAL PSYCHOLOGY - 3 hrs. 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. Pre-req: PSYC 101.

419. APPLIED PSYCHOLOGY – 3 hrs. A survey of the specialty 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. Prerequisites: PSYC 101.

437. COGNITIVE PSYCHOLOGY - 3 hrs. The study of mental processes and activities used in perceiving, remembering, and thinking and their effects on behavior. Pre-req: Must be admitted into the psychology program.

439. PHYSIOLOGICAL PSYCHOLOGY - 3 hrs. 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. Pre-req: PSYC 310

446. CLINICAL PSYCHOLOGY AND PSYCHOTHERAPY - 3 hrs. An examination of psychology used in a clinical setting, discussion of clinical diagnosis and testing, psychotherapy techniques and community mental health. Pre-req: Must be admitted into the psychology program.

447. CLINICAL INTERVIEWING – 3 hrs. In this course, student will learn and practice basic interviewing skills as well as developing peer support group materials which will be used in peer-led support groups. Must be Jr. or Sr. PYSC major or minor. Pre-req:

451. HUMAN SEXUALITY – 3 hrs. This course examines the complex interplay of psychological, sociocultural, and biological factors in the development and expression of sexual attitudes and behaviors. Students should be aware that the information is presented in a graphic but unbiased manner. Sexually explicit terms are used. A wide variety of topics will be covered, including the major psychological theories of sexuality, patterns of sexual arousal and response, the development of gender and gender identity, variations in sexual orientation, attraction processes and romantic love, sexual dysfunctions and sex therapy, typical and atypical sexual behaviors, as well as the psychological effects of pornography. Pre-req: PSYC 101.

452. CULTURAL PSYCHOLOGY – 3 hrs. This course examines topics relevant to psychology from a diverse set of worldviews including ethnicity, race, age, and sexual orientation. Psych Attribute or Psych Minor.

460. PRACTICUM – 6 hrs. This course provides an opportunity for students to work in a selected work environment related to their career interests in order to learn applied skills, make workplace contacts, and apply classroom knowledge. Pre-req: Must be admitted into the psychology program.

461. PRACTICUM IN ORGANIZATIONS - 1-6 hrs. 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. Pre-req: Junior or Senior standing and permission of the Practicum Selection Committee.

462. PRACTICUM IN DEVELOPMENTAL PSYCHOLOGY - 1-6 hrs. 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. Pre-req: Junior or Senior standing and permission of the Practicum Selection Committee.

463. PRACTICUM IN RESEARCH PROJECT - 1-6 hrs. 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. Pre-req: Junior or Senior standing and PSYC 101, PSYC 301, SS 250.

464. PRACTICUM IN HUMAN SERVICES - 1-6 hrs. 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. Pre-req: Junior or Senior standing and permission of the Practicum Selection Committee.

465. JUNIOR SEMINAR – 2 hr. This course provides an opportunity for students to evaluate their progress in the program and make realistic plans for the future. The course will provide students with necessary skills and knowledge to prepare resume, develop a personal statement and/or application cover letter, and prepare for their senior year. Course is Pass/Fail. Pre-req: Must be admitted into the psychology program.

470. SENIOR SEMINAR – 1 hrs. This course serves as the capstone course for the psychology program. It includes a comprehensive assessment of the psychology program goals and enables students to move easily into graduate school and/or employment settings. This course should be taken during the students' final semester of coursework. Pre-req: Must be admitted into the psychology program.
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475. CURRENT ISSUES IN PSYCHOLOGY - 3 hrs. 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. Pre-req: Junior or Senior Status and PSYC 101.

478. SPECIAL TOPICS - 1-3 hrs. 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 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of the instructor, department chairperson, and college dean.

READING (READ)

210. CHILDREN'S LITERATURE - 3 hrs. A study of representative literary works for young children and adolescents such as novels, short studies, folktales, fables, hero-tales, 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 hrs. 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 hrs. 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. Pre-req: C or better in EDUC 301 and Admission to Teacher Education; Co-req: EDUC 293, 309, 340, 342, and SPED 320.

312. PHONICS & WORD STRUCTURE KNOWLEDGE - 3 hrs. This course is an examination of the foundations of literacy with particular emphasis on knowledge of explicit word structure knowledge through multisensory language instruction. Students will study phonology, morphology, orthography, and semantics. Students will examine the progression of phonological skill development including typical and atypical skill development relative to oral language, phonemic awareness, phonetics, alphabetic principle, printed word recognition, and spelling. Students will understand the design of instruction from sounds to letters, to word recognition, and spelling. Students will understand the design of instruction from sounds to letters, to word recognition to fluent application in meaningful reading and writing.

314. ADVANCED LITERACY INSTRUCTION – 3 hrs. This course emphasizes the aspects of fluency, comprehension, and vocabulary acquisition as part of a balanced literacy school-based program. Students will study the components of fluency, instructional strategies for improving fluency, and related adaptive technology. Students will examine different types of text, levels of comprehension, and factors that contribute to deep comprehension, including identification of students motivational factors. Students will study the role and characteristics of direct and indirect (contextual) methods of vocabulary instruction and varied techniques for vocabulary instruction. The course will include various genres of literature and expository text to examine various literal, inferential, and evaluative comprehension strategies.

412. STRUCTURED LANGUAGE - 3 hrs. This course will examine the components of semantic, syntactic, and discourse processing. Students will study the developmental progression of writing and the instructional techniques for teaching manuscript and print with particular emphasis on multi-sensory strategies. Students will examine grade and developmental expectations for students' writing in the following areas: mechanics and conventions of writing, composition, revision, and editing processes. Students will recognize and explain the relationship between transcription skills and written expression while recognizing and explaining common orthographic rules and patterns in English. Special emphasis will be placed on an understanding of morphology, word origin, and grammar.

415. LITERACY ASSESSMENT – 3 hrs. This course is a study of formal and informal assessments used in all aspects of elementary literacy instruction including screening instruments and diagnostic, outcome-based and progress monitoring assessments. Students will study the principles of test construction including reliability, validity, and norm-referenced assessments. Students will administer assessments, interpret assessments, and utilizes assessment data in instructional planning. Instructional planning includes creating flexible groups and tiered interventions as part of Response to Intervention. Within this course, emphasis will be placed on the assessment and remediation of weaknesses in working memory, attention, executive function, and

processing speed and the specific academic and assessment profiles of students with dyslexia and those identified as English Language Learners. Pre-req: READ 312 and 314.

416. READING FOR CONTENT AREA INSTRUCTION – 2 hrs. A study of theories, resources, techniques and materials for meeting the unique developmental, problematic; creative and instructional reading needs of middle childhood and adolescent students within varied content area disciplines. Taken concurrently with student teaching. Minimum grade of "C" required.

417. LANGUAGE ARTS METHODS AND MATERIALS FOR ELEMENTARY AND EED TEACHERS - 3 hrs. Study of the methods and materials in teaching and evaluating the information and communication skills of listening, speaking, writing, viewing, reading, thinking, and visually representing. Will include scientifically-based reading research and the 21st Century Learning Skills of information and media literacy, communication skills (oral, written, and multimedia skills), critical and systems thinking, problem solving, interpersonal and self-directing skills. Information, practice, and application strategies of information and communication technologies and assessment tools are integrated throughout the course. Pre-req: C or better in EDUC 301 and admission into Teacher Education; Co-req: EDUC 311, 460, 461, 462, 463, SPED 412.

478. SPECIAL TOPICS - 1-3 hrs. 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 hrs. Directed individual work under the Reading faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and school director.

492. WORKSHOP IN READING (K-4 & 5-9 & 9-12) - 3 hrs. Developmental and remedial problems in reading to be identified and solved by the group. Open to experienced teachers and students with Junior standing. Pre-req: teaching experience of Junior standing.

RELIGION (REL)

250. RELIGIONS OF THE WORLD - 3 hrs. Founders, teachings, ethics, literature, divisions and contemporary trends in Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, Shinto, Zoroastrianism, Judaism, Christianity, Islam, and indigenous religions.

278. SPECIAL TOPICS - 1-3 hrs. A course category for selected topics in the general field of Religion. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

301. LITERATURE OF THE HEBREW BIBLE- 3 hrs. A study of the Hebrew Bible through the History of Israel; the theological ideas and literary qualities found in the diverse books that constitute the Hebrew Bible. (May be taken as ENG 301.) Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

310. NEW TESTAMENT LITERATURE - 3 hrs. 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.) Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

335. RELIGIONS OF AMERICA - 3 hrs. An introduction to the history, themes, and issues in American religion from the pre-colonial period to the present. The principal religious traditions and movements that have shaped American culture are examined, including Native American and African-American traditions, Protestantism, Catholicism, and Judaism. Newer religious movements, along with non-Christian groups and the religious traditions of immigrants and ethnic populations, are also studied. Pre-req: C or better in (ENG 101 and ENG 102) or ENG 103.

450. PHILOSOPHY OF RELIGION - 3 hrs. 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 hrs. 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 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

RUSSIAN (RUS)

101. BEGINNING RUSSIAN I - 3 hrs. Intensive training in the four basic skills: comprehension, speaking, reading, and writing.

102. BEGINNING RUSSIAN II - 3 hrs. Continued intensive training in the four basic skills: comprehension, speaking, reading, and writing. Pre-req: RUSS 101 or equivalent.

201. INTERMEDIATE RUSSIAN I - 3 hrs. Review of language structure; continued training in the basic skills; intensive reading and discussion of selections about Russian life and/or Russian literature. Pre-req: RUSS 102 or equivalent.

202. INTERMEDIATE RUSSIAN II - 3 hrs. Continued review of language structure; continued training in the basic skills; intensive reading and discussion of selections about Russian life and/or Russian literature. Pre-req: RUSS 201 or equivalent.

SAFETY EDUCATION (SDE)

232. FIRST AID AND EMERGENCY SERVICES - 3 hrs. Immediate care of the sick and injured with an emphasis on the use of emergency techniques and equipment. Laboratory involves demonstration of competencies in first aid, CPR, and AED techniques. Treatment for asthma and anaphylactic shock will also be addressed. American Red Cross Certification available.

252. EMERGENCY MEDICAL TECHNICIAN – 3 hrs. This course is an extension of the Community CPR, Professional Rescuer and First Aid and Emergency Services curriculum. Individuals will gain knowledge and practical experience related to emergency medical technology. National Registry Exam. Offered spring semester only.

SOCIAL SCIENCE (SS)

102. SOCIAL SCIENCE PORTFOLIO - 1 hr. In this course all students majoring in Geography and Planning and History will establish their digital program portfolios.

105. INTEGRATED SOCIAL STUDIES FOR ELEMENTARY TEACHERS – 3 hrs. This course is an issue-oriented interdisciplinary survey of the social sciences specifically for Elementary Education majors. It emphasizes methodology, fundamental concepts and policy applications. Only Elementary Education majors may register.

250. STATISTICS IN THE SOCIAL AND BEHAVIORAL SCIENCES - 3 hr. 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. Pre-req: Any math course other than MATH 046 and one of the following (depending on major) PSYC 101 or SOC 150 or POLS 101.

251. QUALITATIVE METHODS IN THE SOCIAL SCIENCES - 3 hrs. An overview of the use of qualitative methods used in social science research. Students will become familiar with theoretical, methodological and interpretive issues pertaining to surveys, interviews, participant-observation, archives and text analysis.

278. SPECIAL TOPICS - 1-3 hrs. A course category for selected topics in the general field of Social Science. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the college dean.

450. RESEARCH DESIGN - 3 hrs. Introduces qualitative and quantitative research methods in the social sciences. Following a general overview of research methods, students will be directed by faculty in their concentration in designing and planning the research project they will complete in SS 480. Pre-req: Senior standing.

451. RESEARCH DESIGN LAB - 1 hr. Students will be introduced to research tools and methods appropriate to their area of concentration. To be taken concurrently with SS 450. Pre-req: Senior standing.

478. SPECIAL TOPICS - 1-3 hrs. A course category for selected topics in the general field of Social Science. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the college dean.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

480. SOCIAL SCIENCE CAPSTONE – 2 hr. In this course, students will submit their program portfolios for mastery of content. To be taken by all students majoring in Geography and Planning or History. Pre-req: ENG 101, 102, COM 101.

496. WASHINGTON SEMINAR - 1-3 hrs. 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 hrs. Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

SOCIAL WORK (SWK)

150. FUNDAMENTAL SOCIAL THEORIES – 3 hrs. Introduction to social theories that explain aspects of social problems and the human condition.

200. INTRODUCTION TO SOCIAL PROBLEMS- 3 hrs. This course is designed to familiarize students with social problems and working with vulnerable and at-risk populations. The course explores the social welfare delivery systems and the global influences on the availability and utilization of Social Welfare services.

201. ETHNICITY, DIVERSITY AND CULTURAL AWARENESS - 3 hrs. 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 hrs. 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.

290. SOCIAL WORK COMPETENCIES – 1 hr. This course is designed for Social Work majors to acquaint students with the learning objectives of the Social Work Program and the Council on Social Work Education required competencies and practice behaviors. Pass/Fail. Pre-req: SWK 200 and 201.

300. SOCIAL WELFARE POLICIES AND SERVICES - 3 hrs. This course is designed to introduce students to social welfare policies and issues in the United States. A study of historical and contemporary legislative as well as political reaction to the social and economic problems that confront society will be systemically analyzed. There will be an emphasis on current welfare structures and how to influence the development of social policy. Pre-req: SWK 200, 201.

304. PROFESSIONAL ETHICS - 3 hrs. The course emphasizes the value base of the profession and the ethical standards as well as relevant laws and regulations that impact social work practice. The course will introduce frameworks of ethical decision making and how to apply principles of critical thinking. Students will understand how their personal experiences and reactions influence their professional judgement and behavior. Pre-req: SWK 200, 201.

306. COUNSELING THEORIES - 3 hrs. 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. Pre-req: PSYC 101, SWK 400.

307. SOCIAL WORK PRACTICE FIELDS – 3 hrs. This course is designed to expose students to the various fields of practice that social workers employed including: children and families, mental health, aging, and health care. A special emphasis will be placed on practice concerns in rural areas. Pre-req: SWK 200, 201.

308. SOCIAL WORK DISASTER RESPONSE - 3 hrs. This course focuses on the history, the development, and the application of social work disaster response. Emphasis is placed on the connection between theory and practice, characteristics, strengths, and service needs across all system levels that have experienced either a manmade or natural disaster. Pre-req: SWK 400.

310. SOCIAL WORK RESEARCH METHODS – 3 hrs. This course introduces social work students to concepts related to using scientific methods in social work and the development of a competent evidence-based practice. Pre-req: SS 250 or MATH 160, SWK 200, SWK 201 or permission of instructor.

316. SOCIAL WELFARE IN APPALACHIA - 3 hrs. This course examines issues of social welfare by focusing upon the impact of limited resources on diverse Appalachian population. Study integrates theoretical material on culture, ethnicity, poverty, and rural life. Course will provide an overview of needs assessment and provision of social welfare services in the region.

383. ADVOCACY and SOCIAL JUSTICE – 3 hrs. This course is designed for students to understand the global interconnections of oppression and human rights. Theories of human needs and social justice as well as strategies to promote social and economic justice and human rights are analyzed. Pre-req: SWK 300.

400. SOCIAL WORK PRACTICE I - 3 hrs. This is the first course in the social work practice sequence. Content will include interviewing techniques, problem identification, and assessment strategies for intervention, contracts, and service evaluation. Pre-req: SWK 200, SWK 201 or permission of instructor.

401. SOCIAL WORK PRACTICE II - 3 hrs. This is the second course in the social work practice sequence. Content will include concepts, interviewing techniques, and skills, theories and principles of social work practice with families and groups. Pre-req: SWK 200, SWK 201, SWK 400 or permission of instructor.

402. SOCIAL WORK PRACTICE III - 3 hrs. This is the third course in the social work sequence. Content will include theories, models and skills utilized in organizational and community social work practice. Pre-req:

SWK 200, SWK 201, SWK 300, SWK 400, SWK 401 or permission of instructor.

403. FAMILY AND CHILD WELFARE - 3 hrs. 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. Pre-req: SWK 200 or 201 or EDUC 201 or PSYC 252..

409. SOCIAL WORK PRACTICE WITH CRISIS AND TRAUMA POPULATION - 3 hrs. This course will look at the prevention and impact of traumatic events on individuals across various stages of the lifespan. Crisis and traumatology research will be presented with emphasis on biopsycholosocialspiritual aspects that affect the assessment, intervention, and evaluation, of crisis and/or trauma on various populations. Pre-req: SWK 306 or 441 or PSYC 341.

416. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT - 3 hrs. This course focuses on the knowledge, analysis and application of theories of human behavior in order to engage, assess, intervene, and evaluate problems and issues significant to human development. Pre-req: SWK 200, 201.

441. DIAGNOSIS IN MENTAL HEALTH - 3 hrs. This course will introduce the student to the clinical world of mental health. Psychopathology and the DSM-IV-R are studied. Among the topics are depression, anxiety, eating disorders, schizophrenia, and personality disorders. Case studies are integrated into the material along with social work principles. Pre-req: SWK 200 or PSYC 101.

470. PROFESSINAL PREPARATION AND DEVELOPMENT – 1 hr. This course will prepare students for Social Work Field Education. Students will demonstrate knowledge of the West Liberty University Social Work Field Manual and program expectations for field. The course will also require each student to complete thirty volunteer hours in a local agency. Pre-req: SWK 400.

478. SPECIAL TOPICS - 1-3 hrs. 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 hrs. Directed individual work under the various members of the faculty, may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

480. SOCIAL WORK FIELD PLACEMENT - 11 hrs. The placement experience is intended to be a learning platform to enhance professional development of values, knowledge and skills for generalist social work practice. Must be taken concurrently with SWK 484. Pre-req: Senior standing and approval of Program Director.

484. SOCIAL WORK CAPSTONE SEMINAR - 3 hrs. A social work capstone course aimed at integrating classroom content with field education experience and furthering generalist social work practice. To be taken concurrently with SWK 480. Pre-req: Senior standing and approval of Program Director.

SOCIOLOGY (SOC)

150. BASIC CONCEPTS OF SOCIOLOGY - 3 hrs. Introduction to the scientific study of society, its social organization, institutions and culture and their effects on our lives.

278. SPECIAL TOPICS - 1-3 hrs. A course category for selected topics in the general field of Sociology. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

302. MARRIAGE AND FAMILY RELATIONS - 3 hrs. Examination of recent literature on marriage and the family; analysis of courtship customs, mate-selection, and marital relationships.

303. POPULATION AND ENVIRONMENT - 3 hrs. Demographic concepts and analysis of population trends and problems in the U.S. and other countries.

320. VICTIMOLOGY - 3 hrs. 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 hrs. 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. Pre-req: SOC 150 or Sophomore standing.

350. SOCIAL STRATIFICATION - 3 hrs. Students examine why all societies are stratified and explore such questions as: Why is there poverty? Why do some people "make it" and others do not? Students develop an understanding of the macro and micro forces that shape social placement and explore how people succeed in changing opportunity structures to reduce inequality.

402. SOCIAL MINORITIES - 3 hrs. Analysis of minority-majority group relations and antagonisms; history and process of accommodation of the racial, ethnic, and religious minorities. Pre-req: ENG 101 and ENG 102.

415. THE AFRICAN-AMERICAN EXPERIENCE - 3 hrs. An intensive study of the struggle for equal rights in America. Pre-req: ENG 101 and ENG 102.

430. HEALTH AND SOCIAL BEHAVIOR - 3 hrs. What are the advantages and barriers to good health according to class, race, gender, age, and geography? We examine the social processes involved in etiology, epidemiology, and treatment of illness, as well as relationships that affect patient care (e.g., doctor-nurse-patient communication). Contemporary healthcare policies and such issues as stress, alternatives to western medicine, and health maintenance organizations are also addressed. Pre-req: ENG 101 and ENG 102.

440. SOCIOLOGICAL THEORY - 3 hrs. Acquaints the student with the major theoretical tools used by sociologists to understand the historical and sociocultural forces that shape the individual and society. The course addresses theory construction as well as the major works and theories of Marx, Durkheim, Weber and Mead with attention to more recent developments in Functionalism, Conflict Theory, Symbolic Interactionism, and Exchange Theory. Pre-req: ENG 101, ENG 102, SOC 150 and Junior standing.

470. SEMINAR IN SOCIOLOGY - 3 hrs. Selected topics based on contemporary issues in sociology. Pre-req: ENG 101, ENG 102 and SOC 150.

478. SPECIAL TOPICS - 1-3 hrs. 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. Pre-req: ENG 101 and ENG 102.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean. Pre-req: ENG 101 and ENG 102.

496. WASHINGTON SEMINAR - 1-3 hrs. 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 hrs. Students spend a semester or summer interning in Washington, D.C., in private, public, governmental, or non-profit organizations while earning academic credit. Student will also be required to take a night class, attend a series of lectures, and will be asked to perform a minimum amount of community service.

SPANISH (SPAN)

101. BEGINNING SPANISH I - 3 hrs. Intensive Spanish language training in the four basic skills: comprehension, speaking, reading, and writing.

102. BEGINNING SPANISH II - 3 hrs. Continued intensive Spanish language training in the four basic skills: comprehension, speaking, reading, and writing. Pre-req: SPAN 101 or equivalent.

201. INTERMEDIATE SPANISH I - 3 hrs. Review of Spanish language structure; continued training in the basic skills; intensive reading and discussion of selections about Hispanic life and/or Spanish literature. Pre-req: SPAN 102 or equivalent.

202. INTERMEDIATE SPANISH II - 3 hrs. Continued review of Spanish language structure; continued training in the basic skills; intensive reading and discussion of selections about Hispanic life and/or Spanish literature. Pre-req: SPAN 201 or equivalent.

278. SPECIAL TOPICS: SPANISH - 3 hrs. 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 hrs. Advanced practice in speaking and writing Spanish. Pre-req: SPAN 202 or equivalent.

302. CONVERSATION AND COMPOSITION II - 3 hrs. Advanced practice in speaking and writing Spanish. Pre-req: SPAN 202 or equivalent.

303. ADVANCED SPANISH GRAMMAR - 3 hrs. An intensive grammar treatment and writing workshop. Students will study all aspects of Spanish grammar and idiomatic expressions. Pre-req: SPAN 202 or permission of instructor.

325. BUSINESS SPANISH - 3 hrs. An introduction to Spanish business language and culture. Emphasis is on business customs and etiquette of Latin American countries as well as Latino communities in the U.S. Pre-req: SPAN 202 or permission of instructor.

331. SURVEY OF SPANISH LITERATURE- 3 hrs. A study of representative works: lectures, discussions, and outside readings. Conducted in Spanish. Pre-req: A reading knowledge of Spanish. SPAN 302 is recommended.

332. SURVEY OF SPANISH-AMERICAN LITERATURE- 3 hrs. A study of representative works: lectures, discussions, and outside readings. Conducted in Spanish. Pre-req: A reading knowledge of Spanish. SPAN 302 is recommended.

340. SPANISH FOR CURRENT AFFAIRS - 3 hrs. This course provides both an introduction to various aspects of contemporary Spanish-speaking world and an intensive training in speaking and listening comprehension. Through the use of current news media, both written and broadcast, we will investigate the major political, economic, technological and social forces that affect Spanish-speaking society today. In addition to assigned readings, we will be closely following Spanish-speaking television and press in order to discuss current events as they happen. Pre-req: SPAN 202 or permission of instructor.

350. CIVILIZATION OF SPAIN I - 3 hrs. Study of the development of Spain and Spanish culture from 500-1492 through texts, art and architecture.

351. SPANISH PRONUNCIATION - 3 hrs. Phonetics and orthography, intensive study of formation and production of sounds and intonation, interpretive reading. SPAN 302 is recommended.

355. LATIN AMERICAN CULTURE - 3 hrs. Study of the development of Latin American culture from 1492 to the present through texts, art and architecture. Pre-req: SPAN 202 or permission of instructor.

356. HISPANIC CULTURE IN CINEMA - 3 hrs. Study of different social/political movements in the Hispanic world as portrayed through Hispanic cinema from the Reconquest to Colonialism to the Spanish Civil War. Pre-req: SPAN 202 or permission of instructor.

360. SPANISH TRANSLATION - 3 hrs. Contrastive study of written Spanish and English with translation of texts from English into Spanish and from Spanish into English. Pre-req: SPAN 202 or permission of instructor.

401. SPANISH LITERATURE: THE GOLDEN AGE - 3 hrs. Masterworks of that period, with emphasis on novel and drama. Cervantes, Lope de Vega, Calderon, etc. Conducted in Spanish. Pre-req: A reading knowledge of Spanish.

402. LITERATURE OF THE NINETEENTH CENTURY – 3 hrs. Romanticism and Realism; poetry, drama, and the novel; representative authors, Rivas, Esponceda, Becquer, Alarcon, Valera, Galdos, etc. Conducted in Spanish. Pre-req: A reading knowledge of Spanish.

403. SPANISH CIVILIZATION - 3 hrs. Major developments in Spanish and Spanish-American culture. Conducted in Spanish. SPAN 302 is recommended.

404. SPANISH-AMERICAN NOVEL - 3 hrs. Representative authors: Guiraldes, Azuela, Gallegos, Rivers, Carpenter, Asturias, and others. Conducted in Spanish. Pre-req: A reading knowledge of Spanish.

405. CONTEMPORARY SPANISH READINGS - 3 hrs. From the "Generation of '98" to the present. Unamuno, Valle-Inclan, Baroja, Ortega y Gasset, Garcia Lorca, Cela, and others. Conducted in Spanish. Pre-req: A reading knowledge of Spanish. SPAN 302 is recommended.

406. "GENERATION OF '98" - 3 hrs. Study of the thoughts and ideas of this famous generation of writers. Conducted in Spanish. SPAN 302 is recommended.

407. SPANISH POETRY - 3 hrs. An overview of Hispanic poetry from 1600 to present. Pre-req: SPAN 202 or permission of instructor.

410. METHODS OF TEACHING FOREIGN LANGUAGE – 3 hrs. This course is designed to prepare future Spanish teachers in the K-12 schools. The course is organized around the Standards for Foreign Language Learning, commonly referred to as the Five Cs: Communication, Cultures, Connections, Comparisons and Communities. Students will learn about current theoretical bases for second-language acquisition and how theory informs classroom practice. The course does not promote a particular methodology, but rather presents principles of learning from which teachers can draw as they make decisions about instruction. Pre-req: SPAN 202 or equivalent.

470. ADVANCED ORAL EXPRESSION AND PHONETICS - 3 hrs. This course examines the linguistic features and properties of various regional and social dialects of Peninsular and standard Latin American Spanish. While students will be trained to produce Standard Spanish, they will develop an appreciation of Hispanic dialects spoken around the world with special emphasis on North American and Latin American varieties. Readings and class discussions will focus on the linguistic rules of various pronunciations, the nature of language change over time and the psychological reality of different accents. Pre-req: SPAN 202 or permission of instructor.

478. SPECIAL TOPICS - 3 hrs. 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 hrs. Directed individual work under the various members of the faculty, may be offered at any time. Student requests require approval of instructor, department chairperson, and college dean.

499. HONORS SEMINAR - 3 hrs. Admission restricted to students approved by the Honors Council. Subject to be determined by seminar members and the leader.

SPECIAL EDUCATION (SPED)

241. INTRODUCTION TO EXCEPTIONALITIES- 3 hrs. A study of all recognized categories of exceptionalities emphasizing prevalence, etiology, prevention, syndromes, past and present attitudes toward exceptional individuals. Six hour diversity field placement required. Minimum grade of "C" required.

278. SPECIAL TOPICS - 1-3 hrs. A course category for selected topics in general field of Special Education. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

320. COLLABORATIVE TECHNIQUES FOR SECONDARY STUDENTS WITH EXCEPTIONALITIES - 3 hrs. This course focuses on methods of collaboration in the regular educational environment as related to planning, instruction, and assessing for students with special learning needs. Emphasis is given to functional behavior assessments, differentiated instruction, and content area reading with the use of curriculum-based materials. This course is taken by secondary education majors prior to the Professional Semester. Pre-req: C or better in EDUC 301; Co-req: EDUC 293, EDUC 309, 340, 342, READ 302.

341. POLICIES AND PROCEDURES IN SPECIAL EDUCATION - 3 hrs. This course provides an in-depth analysis of the historical foundations, legal instruments, and educational practices related to special education policies and procedures. Students will examine the historical trends and philosophical perspectives of special education and disability service policy; the development and implementation of Individual Education Plans and transition plans following current legal standards; the process of coordinating intervention and IEP meetings and supports; and collaboration of support staff and community and service personnel by the special education professional. Pre-req: SPED 241.

343: ASSISTIVE AND ADAPTIVE TECHNOLOGY FOR STUDENTS WITH EXCEPTIONALITIES - 3 hrs. This course will focus on unique technology needs for students with a variety of exceptionalities. Topics include techniques for evaluation, consultation, and implementation of assistive and adaptive technology; exploring current hardware and software; and collaboration techniques for implementing technology accommodations and modifications. Pre-req: C or better in SPED 241.

345: OCCUPATIONAL AND RECREATIONAL TRAINING FOR HIGH INCIDENT DISABILITIES – 3 hrs. Development of competency in instituting and maintaining transitional programs to assist individuals with high incident disabilities to move into the mainstream of society-sheltered workshop, competitive job market, post-secondary education, and use of recreational facilities are emphasized. Includes a 24-hour field-based experience in an approved setting. Pre-req: SPED 241. Minimum grade of "C" required.

348 CURRICULUM, METHODS, AND ASSESSMENT FOR STUDENTS WITH BEHAVIOR NEEDS – 3 hrs. 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. Pre-req: C or better in SPED 241 and SPED 341. Field Experience is required.

351. EARLY CHILDHOOD SPECIAL EDUCATION RESIDENCY- 3 hrs. This course allows students to apply knowledge from all previous special education, early education, and professional education courses. It focuses on family, community, and professional relationships as they relate to the delivery of special education services and the identification and distribution of information relating to children with disabilities. Specific emphasis is placed on IFSP and IEP development and the process for referring, assessing, and providing services to children with special development and the process for referring, assessing, and providing services to children with special needs. Students will also explore ways to provide guidance to paraprofessionals, tutors, volunteers, and other people working within classrooms and collaborate with all stakeholders. Current research will be identified, studied, and applied throughout the course. A letter grade of "C" is required for this course. Pre-reqs: SPED 241, 341, 348, 352, EED 280, 301.

352. C&C ASSESSMENT FUNCTIONAL NEEDS – 3 hrs. The study of classroom teaching strategies, curriculum design, and assessment techniques for learners with intellectual disabilities and their vocational, transitional and adaptive needs. Emphasis is placed on the development of individualized educational plans and corresponding strategies and activities. Pre-req: C or better in both SPED 241, SPED 341. Field Experience is required.

353. EDUCATION FOR THE GIFTED I - 3 hrs. Characteristics, techniques, and knowledge are components of this course designed to assist the teacher to work effectively to meet the needs of the gifted learner in today's school. Innovative programs will be studied and field experiences will be used to develop competency in teaching the gifted and talented. Pre-req: SPED 241.

354. AFFECTIVE COGNITIVE NEEDS OF THE GIFTED- 3 hrs. This course will consist of an overview of definitions, philosophies, and the rationale for teaching thinking skills in gifted education. It is designed to apply theory and research about thinking to strategies for teaching thinking skills within the content areas. Creative, critical, deductive, and inductive thinking skills are just a few of the areas to be addressed. Pre-req: SPED 353.

355. CURRICULUM, METHODS AND ASSESSMENT FOR STUDENTS WITH ACADEMIC NEEDS – 3 hrs. Classroom teaching strategies, curriculum design, and assessment techniques for students with exceptional academic needs. Emphasis is placed on the development of individualized educational plans and corresponding strategies and activities. Pre-req: C or better in SPED 241 and SPED 341. Field Experience is required.

377. RESEARCH AND PRACTICUM IN EXCEPTIONALITIES - 3 hrs. 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. Pre-req: SPED 241.

391: CURRENT ISSUES AND TRENDS IN SPECIAL EDUCATION – 3 hrs. This course supports student analysis and evaluation of current topics in special education. Students will examine current issues and budding research-based practices and analyze their current or potential impact on services to students with exceptionalities. Emphasis is placed on research and analysis skill, critical thinking, and argumentative writing and speech skills. Pre-req: SPED 241.

401. AUTISM I: CHARTERISTICS OF AUTISM – 3 hrs. This course provides an overview of autism and autism spectrum disorder including etiology, characteristics, co-morbid disorders, biomedical perspectives, related behaviors, sensory processing disorder, screening instruments for autism and autism spectrum disorder, and social interventions.

402. AUTISM II: AUTISM ASSESSMENTS AND INTERVENTIONS – 3 hrs. This course provides specific teaching strategies for teaching individuals with autism spectrum disorder with a particular emphasis on applied behavior analysis. Screening instruments and diagnostic assessments for individuals with autism and autism-related disorders including Asperger Syndrome will be examined. Additional topics include communication development, adaptive and augmented communication

devices, and adapted equipment. Field hours in an approved school setting required. Pre-req: SPED 241, 348, 401.

412: COLLABORATIVE TECHNIQUES ELEMENTARY STUDENTS WITH EXCEPTIONALITIES – 3 hrs. This course focuses on methods of collaboration in the regular educational environment as related to planning, instructing, and assessing for students with special learning needs. Emphasis is given to functional behavior assessments, differentiated instruction, and content area reading with the use of curriculum-based materials. Pre-req: C or better in EDUC 301 and admission to Teacher Education; Co-req: EDUC 311, 460, 461, 462, 463, and READ 417.

440. TRANSITION SERVICES FOR STUDENTS WITH EXCEPTIONALITIES – 3 hrs. Special educators and other related service professionals will engage with current issues in transition service delivery, evidenced based practices, and ethical and professional considerations for coordinating transition services in a variety of educational settings. Pre-req: SPED 241.

478. SPECIAL TOPICS - 1-3 hrs. 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 hrs. 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 hrs. The student teaching course. Pre-req: C or better in SPED 241, 341, 348, 355, and 391.

486. EARLY INTERVENTION STUDENT TEACHING IN SPECIAL EDUCATION – 5 hrs. Student teaching in level Pre-K/K special education classroom. Must be admitted to Professional Semester. Pre-req: SPED 351.

SPEECH PATHOLOGY – AUDIOLOGY (SPA)

150. APPLIED PHONETICS - 3 hrs. 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 hrs. Processes and impairments of Human Oral Communication. Topics include; 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 hrs. Elements of acoustics important to the understanding of quantitative aspects of speech and hearing science. Study of 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 hrs. 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 hrs. Introduction to theory and research related to the normal acquisition of language in children and adolescents.

251. INTRODUCTION TO CLINICAL PRACTICE AUDIOLOGY - 3 hrs. Routine clinical procedures in audiology, observation, report writing, record keeping, equipment and hearing testing.

252. SIGN LANGUAGE I – 3 hrs. 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 hrs. Normal acquisition of the articulatory process and the phonological system. Etiology, assessment and intervention of articulatory and phonological disorders. Pre-req: SPA 150.

255. SPEECH SCIENCE - 3 hrs. 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 hrs. Structural and functional description of the nervous system as it relates to communication sciences and disorders. Pre-req: SPA 151, 156.

308. VOICE AND FLUENCY DISORDERS - 3 hrs. Etiology, symptomology, diagnosis and treatment, as well as the nature of voice and fluency disorders of children and adults. Pre-req: SPA 151 or permission of SPA program director.

310. COMMUNICATION PROBLEMS OF THE AGED – 3 hrs. Introduces the receptive and expressive communication problems common to older adults. Emphasis is on the management of organic speech disorders associated with aging. Pre-req: SPA 150, 151, 250, 254 or consent of SPA director.

316. LANGUAGE DISORDERS IN CHILDREN AND ADOLESCENTS - 3 hrs. A detailed study of the nature of communication problems associated with congenital or acquired impairment of language function in children and adolescents. Pre-req: SPA 250.

325 DYSPHAGIA – 3 hrs. Anatomic and physiologic bases of normal swallowing. Etiology, symptomatology, evaluation and treatment techniques for swallowing disorders in children and adults. Pre-req: SPA 156.

352. SIGN LANGUAGE II - 3 hrs. 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. Pre-req: SPA 252.

354. AUDIOMETRY/HEARING DISORDERS - 3 hrs. Audition, anatomy and physiology of hearing mechanisms; disorders of hearing and consideration for management. Pre-req: SPA 251, 315.

355. AURAL REHABILITATION - 3 hrs. Objectives, theory and techniques in managing the hearing impaired individual. Pre-req: SPA 251.

368. SPA JUNIOR SEMINAR – 2 hrs. Introduction to the knowledge, guidelines and expectations regarding the required Senior Capstone Project, as well as preparation of a SPA Portfolio. Development of introductory phases of a clinical research project relating to speech, language and/or hearing communication disorders. Pre-req: SPA 150, 151, 152, 156, 250, 251, 254, 316 or permission of SPA director. Junior level SPA students only.

400. OBSERVATION IN EDUCATION SETTINGS- 3 hrs. Administrative and regulatory aspects of school-based programs for persons with communication disorders in education setting. Pre-req: SPA 250 and/or permission of SPA program director; SPA majors only.

401. OBSERVATION IN HEALTHCARE IN HEALTH CARE SETTINGS - 3 hrs. Administrative and regulatory aspects of healthcare programs for persons with communication disorders in healthcare setting. Pre-req: SPA 250 and/or permission of SPA program director; SPA majors only.

403. CLINICAL PRACTICUM IN COMMUNICATION DISORDERS - EDUCATIONAL SETTING - 3 hrs. Supervised practicum experience in the management of speech. language, and/or hearing disorders within a school setting. The student will gain therapy experience under the direct supervision of a certified speed pathologist. Pre-req: SPA 250, 400, 401, or permission of SPA director; SPA majors only.

404. CLINICAL PRACTICUM IN COMMUNICATION DISORDERS WITHIN A HEALTHCARE SETTING - 3 hrs. Supervised practicum experience in the management of speech, language, and/or hearing disorders within a medical setting. The student will gain therapy experience under the direct supervision of a certified speed pathologist. Pre-req: SPA majors only; SPA 250, 400, 401, or permission of SPA director.

415. AUGMENTATIVE ALTERNATIVE COMMUNICATION – 3 hrs. An introduction to augmentative and alternative communication. Topics will include an overview of the AAC systems and devices available, assessment options and processes, and the use of AAC systems to meet the communication needs of individuals to interact across environments.

430. DIAGNOSTIC PRINCIPLES AND TECHNIQUES - 3 hrs. Materials and procedures for diagnosis of speech and language disorders will be examined. Experience will be provided in test administration and interpretation. Pre-req: SPA 250, 254, 316, or permission of SPA director.

452. ADVANCED SIGN LANGUAGE - 3 hrs. 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. Pre-req: SPA 252 and SPA 352.

455. PRINCIPLES OF SPEECH-LANGUAGE INTERVENTION - 3 hrs. 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. Pre-req: SPA 250, 316, 430 or permission of SPA director.

468. SPA SENIOR CAPSTONE – 2 hrs. Senior level students develop and share their detailed knowledge on a previously approved research topic in the discipline of Speech Pathology and/or Audiology via written and oral presentations. This course will guide students through the preparation, research and completion of their Senior Capstone Projects. Pre-req: SPA 368, 255, 308, 355, 430 or permission of SPA director. Senior level SPA students only.

478. SPECIAL TOPICS – 1-3 hrs. A course category for selected topics in the general field of speech and hearing pathology, speech science, or hearing science. Students should check the schedule to ascertain what topics are currently being offered. Students are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS - 1-3 HRS. Directed individual work with the various individual members of the faculty may be offered at any time. Student requests require approval of the instructor and department chairperson.

THEATER (THE)

100. THEATER APPRECIATION – 3 hrs. A lecture course examining theater from the perspective of the audience, dealing with theater in performance, theater in everyday life, theater and society, the role of the theater artists and theatrical space, and discussion of essential theatrical styles and dramatic genres and structures.

125. INTRODUCTION OF STAGECRAFT – 3 hrs. Lecture and lab. Survey of the various technical components of a production. Study to include basic construction terminology and theory. Emphasis on basic skills.

135. MAKEUP FOR THE STAGE – 3 hrs. An entry level study of the materials and principles governing the theory and practice in design and application of stage makeup.

155. ACTING FOR NON-MAJORS - 3 hrs. Development and understanding of the process of how actors develop performances, scenes, theatre games, improvisational performances. This course is designed for the non-major who has no experience and does not intend to study acting further.

235. COSTUMING FOR THE STAGE – 3 hrs. Ongoing study of materials and principles governing the theory and practice in design and construction of costumes for the stage. No sewing experience required. May be repeated for credit.

245. THEATER PRODUCTION I – 1 hr. Practical skills developed in backstage work running crews for major WLU productions, excluding acting. Course may be repeated with the consent of the instructor.

255. ACTING I: FUNDAMENTALS OF ACTING - 3 hrs. Study and practice in the fundamentals of actor training, including voice and movement, stage terminology and awareness, based upon the theories developed by Constantin Stanislavski.

257. ACTING FOR MUSICAL THEATRE - 3 hrs. This course is designed to provide the singer/dancer training in the style of acting required to perform in musical theatre productions using musical theatre techniques that emphasize the coordination of dialogue, lyrics, and choreography into an integrated quality performance.

278. SPECIAL TOPICS – 1-3 hrs. A course category for selected topics in the general field of Theater. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

279. SPECIAL PROBLEMS – 1-3 hrs. Directed individual work in Theater under the various members of the faculty; may be offered at any time. Student requests require approval of the instructor, department chairperson, and college dean.

290. THEATER PRODUCTION II – 2 hrs. Students will be given specific responsibilities and duties connected with on-campus theatrical productions, including performances, design, technical production, publicity and/or sales. May be repeated for credit.

300. HISTORY OF THEATER I – 3 hrs. A study of the development of theater history from antiquity through the English Renaissance, including a section on non-Western theater traditions. Emphasis is placed on the examination of theater as a cultural, social, political, and religious barometer of the times. Representative plays, practitioners, and practices will be examined.

305. HISTORY OF THEATER II – 3 hrs. A study of the development of theater history from the Restoration through mid-20th century. Emphasis is placed on the examination of theater as a cultural, social, political, and religious barometer of the times. Representative plays, practitioners, and practices will be examined.

320. DRAFTING FOR THE STAGE - 3 hrs. Study and practice of drafting techniques and building problems; includes an introduction to computer-aided drafting techniques. Pre-req: THE 125.

325. STAGECRAFT – 1 hrs. 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. Must be repeated four times to fulfill program requirements. Must be repeated four times to fulfill program requirements. Pre-req: THE 125 or COM 242 or instructor's permission.

329. PRINCIPLES OF STAGE MANAGEMENT – 3 hrs. This course is designed to introduce the student to the art and practice of stage management. The student will study the basic functions of the stage manager in the theatrical production phase. Pre-req: THE 100 or instructor's permission.

330. SCENE DESIGN – 3 hrs. Discussion of the principles governing the theory and practice of scenic design. Emphasis on script evaluation, concept building, and rendering technique. Pre-req: THE 320 or instructor's permission.

335. ADVANCED MAKEUP – 3 hrs. An advanced study of the art, theory, and practice in design and application of stage makeup. Subjects include, but are not limited to, special effect makeup, mask making, hair ventilating, and prosthetics. Pre-req: THE 135.

340. STAGE LIGHTING I: MECHANICS AND MAINTENANCE – 3 hrs. An introductory course covering the basic tools, technologies, and theories of lighting design for the stage. Emphasis on understanding the equipment's functionality, mechanics, and maintenance. Students will use available technical literature, to pursue design problems through theory and the laboratory process.

345. STAGE LIGHTING II: ADVANCED LIGHTING – 3 hrs. This course is a continuation of the Lighting Process for the stage focusing on the development of the knowledge of lighting theory by the application of the tools, technologies, and theories of lighting design for the stage and it's allied art forms including, but not limited to, the use of computerized data and storage systems used for lighting design. Students will use available technical literature, to pursue design problems through theory and the laboratory process. Pre-req: THE 340.

351. THEATER FOR THE ELEMENTARY TEACHER – 2 hrs. Development of professional competencies for the elementary education major in the procedure and methods of teaching children, using a variety of theatrical techniques. Methods and materials for role-playing, story dramatization, maskwork, puppetry, and improvisation as applied to the elementary classroom, in such areas as learning processes, motivation, communication and classroom management. Relationship of drama and theatre to the elementary curriculum.

355. ACTING II: ADVANCED ACTING - 3 hrs. Advanced study and practice of realistic acting for the stage based on the theories of major acting teachers throughout history. Class will consist of activities, exercises, and scene studies from the modern canon to deepen the student's ability to find the truth if their performance in the character's mind, body, and voice. Pre-req: THE 255 or 257.

360. PLAYWRITING: THE ONE-ACT PLAY – 3 hrs. Principles of dramatic construction and practice in the writing of one-act plays. Pre-req: ENG 102.

365. VOICE AND SPEECH FOR THE ACTOR I – 3 hrs. A study of the development of appropriate vocal and speech techniques for the actor. Students will learn about the integration of relaxation, appropriate breathing techniques and support, resonance control and flexibility, and clarity of articulation to enhance their performance. The International Phonetic Alphabet (IPA) will be used to aid understanding and use of Standard American English and in the elimination and control of regionalisms and to help in the development of dialects for stage purposes. Monologues and scene work will be used to enforce the integration of voice and speech to the performance. Pre-req: THE 255 or instructor's permission.

370. VOICE FOR SPEECH FOR THE ACTOR II – 3 hrs. Building on the basics developed in THE 365, this course explores techniques in developing characterizations using vocal qualities and various dialects suitable to the character. International Phonetic Alphabet (IPA) will be one tool used in the development of dialects along with the use of primary and secondary sources. The work will include monologue and scene work displaying a variety of learned dialects. Pre-req: THE 365 or instructor's permission.

400. CONTEMPORARY DRAMA – 3 hrs. Reading, analyzing, critiquing, and discussing plays from the modern era. Study of production techniques. Pre-req: THE 300.

405. SCRIPT INTERPRETATION – 3 hrs. A study of script analysis from page to stage, with emphasis on critical analysis of structure, genre, theme, style, character, language, and dramatic event. Emphasis is placed on how the analysis influences the decisions made by the actor, director, critic, and audience. An introduction to theatre research methods. Pre-req: THE 300 or Instructor's permission.

430. ADVANCED SCENE DESIGN – 3 hrs. A course in advanced design skills necessary to conceive a scenic/set design for a play. Students will create all necessary design support documentation, including thumbnail sketches, renderings, CAD drawings, floor plans, elevations, and 3D models in order to create a clear communication of the design to a potential director. Pre-req: THE 320, 330 or Instructor's Permission.

435. ADVANCED COSTUMING – 3 hrs. A course in advanced costume construction and costume crafts. Topics may include tailoring, corsetry, millinery, armor, wigs, masks, and jewelry, both period and modern. May be repeated. Pre-req: THE 235.

455. ACTING III: PERIOD ACTING - 3 hrs. A course designed to explore the acting styles and techniques historically demanded of a performer. Students integrate their body, mind, and voice through techniques from past performance theories, including, but not limited to, commedia dell arte, Renaissance Acting, and/or DelSarte. Pre-req: THE 255.

460. MOVEMENT FOR THE ACTOR I – 3 hrs. A study of the concepts of preparing and performing a role on the stage with specific emphasis on the physical storytelling by creating a strong, flexible and relaxed body. This course will examine techniques of stage movement to include neutral mask work, pantomime, yoga, and creating a performance through movement. Pre-req: THE 250 or instructor's permission.

465. MOVEMENT FOR THE ACTOR II – 3 hrs. Develops the actor's body as a tool to create a performance. Builds on the foundation of movement through exploration of Viewpoints and games. Course includes mask work (larval and commedia), yoga, and techniques from Alexander, Laban, and/or LeCoq. Pre-req: THE 460 or instructor's permission.

470. PLAY DIRECTING – 3 hrs. A study and practice in the fundamental principles of directing for the stage. Emphasis on play analysis, approach, terminology, style, and general discipline are included. The role and function of the director, staging techniques including composition and

movement, scritp analysis, and actor coaching are explored. The combination of the practical and artistic nature of the job will be examined. Each student is required to direct a one act play. Pre-req: THE 255, 320, and 405 or Instructor's permission.

478. SPECIAL TOPICS – 1-3 hrs. A course category for selected topics in the general field of Theater. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the department chairperson.

479. SPECIAL PROBLEMS – 1-3 hrs. 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.

480. SENIOR PROJECT CAPSTONE – 3 hrs. Senior projects are proposed to the Theatre faculty in some area of theatre, including, but not limited to, acting, design, directing, stage management, marketing, or some combination of the above. Students' projects will be the culmination of their program of study and will be graded on the process and the product. A written paper will accompany the project that will, among other topics include: the research involved, a discussion of the process utilized, a self-critique of the product, and final analysis. Pre-req: Instructor's permission.

490. THEATER PRODUCTION III - 2 hrs. This course is designed to provide upperclassmen with specific responsibilities/duties connected with on-campus theatrical productions, including, but not limited to, performance as a principle character, designer, stage management, front of house/publicity. Pre-req: Junior or Senior status.

499. PROFESSIONAL INTERNSHIP IN THEATER – 3 hrs. 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. Pre-req: Consent of the instructor.

TOURISM AND EVENT MANAGEMENT (TEM)

300. INTRODUCTION TO TOURISM AND EVENT MANAGEMENT - 3 hrs. A general introduction to global, national, and regional tourism history and development, the economics of tourism, and the many types of businesses and government entities which exist to serve people's traveling, recreational, and entertainment needs. The relationships between these entities and the successful planning and delivery of events such as conventions, sporting events, fundraisers, weddings, and festivals will also be explored.

316. FOOD SERVICE MANAGEMENT – 3 hrs. An introduction to managing the food service operation in restaurants, institutions, catering, and other food service businesses. Emphasis is placed on quality, cost-effective management, guest service, and the identification, solution, and prevention of problems in purchasing, sanitation, receiving and storing, menus, frozen foods, kitchen layouts, controls, training of employees, and communications. Pre-req: TEM 300 or permission of instructor.

355. CONVENTION AND EVENT MANAGEMENT & MARKETING - 3 hrs. An examination of the management process for meetings, conventions, and other types of events, from concept development and defining client needs to event production and follow-up. Event management and marketing will be studied from the perspective of both the event planner and the hotel/venue sales manager. Pre-req: TEM 300, MKT 331, MGT 350.

401. LEGAL ISSUES IN HOSPITALITY, TOURISM AND EVENTS - 3 hrs. Examines legal aspects of hospitality and tourism-related practices and organizations, including transportation, hotels, restaurants, and other facilities. Uses case study approach to develop understanding of tort and contract liability as it applies to the hospitality and tourism businesses and the planning and management of events.. Emphasizes a managerial approach to solving or avoiding potential legal problems. Pre-req: TEM 300.

431. DESTINATION MANAGEMENT AND MARKETING– 3 hrs. A comprehensive study of the functions of contemporary tourism promotion, both domestic and international, covering how destination management organizations market their area to leisure travel, business travel, and meetings/conventions, as well as providing support services for relocation and business development. Relationships involving hosts and guests, suppliers and consumers are explored, along with the complex networking of residents, government officials, and organization leaders and employees. Pre-req: TEM 300, MKT 331, MGT 350.

461. RESORT MANAGEMENT - 3 hrs. . An introduction to the management and operation of resorts, including types of resorts and resort guests, unique management and marketing needs, history of resorts, sustainability issues, and current trends. Pre-req: TEM 300, MGT 350.

463. LODGING OPERATIONS MANAGEMENT - 3 hrs. Fundamental duties and responsibilities of lodging operations including human resources, accounting, revenue management, sales and marketing, front office, housekeeping, food and beverage, and maintenance and security. Franchising and international lodging issues will also be discussed. Pre-req: TEM 300, MGT 350.

478. SPECIAL TOPICS - 1-3 hrs. A course category for selected topics in the general field of Tourism and Event Management. Students should check the schedule to ascertain what topics are currently being offered and are further encouraged to recommend topical items to the program director.

479. SPECIAL PROBLEMS - 1-3 hrs. Directed individual work under the various members of the faculty; may be offered at any time. Student requests require approval of instructor, program director, and college dean.

490. TOURISM AND EVENT MANAGEMENT INTERNSHIP - 3 hrs. Supervised on-the-job training and instruction in a tourism or hospitality-related organization, event planning/coordination, or attraction/entertainment venue. Pre-req: TEM 300, Junior status and permission of Instructor.

FACULTY

"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 WLU.

ADAMS, CAROL, Associate Professor of Finance. B.A., West Virginia University, MBA, Virginia Commonwealth University, Ph.D., Ohio State University (2016).

AULICK, MICHAEL, Associate Professor of Theater and Director of Theatrical Productions. B.A., Marshall University, 1992; M.A., Marshall University, 1996; M.F.A., University of Louisville, 2000. (2009)

BARONAK, WILLIAM M., Associate Professor of Communications. B.S., Clarion University of Pennsylvania, 1995; M.S., Point Park College, 2000; Ed.D. West Virginia University, 2011. (2001)

BEAGLE, TAMMIE, Assistant Professor of Journalism. C.A.S., West Virginia Northern Community College, 1978; B.S., West Liberty University, 1989; M.A., West Virginia University, 1992; Doctoral studies in progress, West Virginia University. (2008)

BELL, KEITH, Associate Professor of Criminal Justice and Interim Chair of Social and Behavioral Sciences. B.A., Wheeling Jesuit University, 2000; M.S., Marshall University, 2002; Ph.D., Indiana University of Pennsylvania, 2008. (2011)

BLACKWELL, MICHAEL, Instructor of Accounting and Program Director of Undergraduate Business. B.S., West Liberty University, 1997; C.P.A., 1998; M.B.A., Wheeling Jesuit University, 2000. (2004)

BRAKE, DARRICK, Assistant Professor of Criminal Justice. Ph.D. Western Michigan University, 2018.

BRADLEY, STEPHANIE, Assistant Professor of Speech Pathology and Audiology. B.S., West Liberty University, 2008; Au.D. The University of Akron, 2012. (2015).

BRIGGS, RICKARD, Assistant Professor of Entrepreneurship., Director of Entrepreneurship, and Interim Director M.B.A Program, B.S., Mountain State University, M.S.S.L., Mountain State University, D.E.L., Mountain State University (2017).

BOUGHER-MUCKIAN, HILARY, Assistant Professor of Education. B.S., West Virginia University, 2013; M.A., West Virginia University, 2015. (2018)

BOWMAN, MARGARET, Associate Professor of Nursing. B.S.N., West Virginia University, 1973; M.S.N., University of Maryland at Baltimore, 1979; Ph.D., Case Western Reserve University, 2005. (2012)

CHASE, GREGORY, Associate Professor of Economics and Finance and Interim Dean, College of Business. B.B.A., Eastern Michigan University, 1984; M.B.A., University of Central Florida, 1990; Ph.D., Kent State University, 2001. (2013)

CHEN, FUHUA, Associate Professor of Mathematics. B.S., Nanging University, 1988; M.S. Nanging University, 1991; M.S., University of Windsor, 2006; Ph.D. University of Florida, 2012 (2012)

CHEN, LIHUA, Associate Professor of Management. B.S., University of Science and Technology of China, 2001; M.S., University of Science and Technology of China, 2006; Ph.D., Kent State University, 2011. (2011)

CHILDERS, JENNIFER, Assistant Professor of Physician Assistant Studies. B.S., Alderson-Broaddus College, 1992; B.S., Alderson-Broaddus College, 1999; M.S., Alderson-Broaddus, 2006. (2014)

CHILDERS, WILLIAM, Assistant Professor of Physician Assistant Studies and Program Director. B.S., Alderson-Broaddus College, 1991; M.S., Alderson-Broaddus College, 1994; Ed.D., West Virginia University, 2010. (2014)

CLAMPITT, NORMAN C., Associate Professor of Chemistry. B.S., Western Carolina University, 1969; Ph.D., Indiana University, 1974. (1995)

COOK, JENNA, Instructor of Mathematics. B.A., West Liberty University, 2007; M.A., Marietta College, 2008. (2009)

COWAN, LINDA, Professor of Music and Chair of Department of Music and Theater. B.S., Indiana University of Pennsylvania, 1994; M.M. Indiana State University, 1996; D.M.A., Rutgers University 2006. (2002)

COX, DARRIN, Associate Professor of History. B.S., West Virginia University, 1997; M.A., West Virginia University, 2002; Ph.D., Purdue University, 2008. (2008)

CRAWFORD, BRIAN L., Professor of Geography and Provost. B.A., Indiana University of Pennsylvania, 1982; M.S., California University of Pennsylvania, 1984; Ph.D., Indiana State University, 2000. (1999)

CRINITI, STEVE, Professor of English. B.A., Wheeling Jesuit University, 2000; M.A., University of Dayton, 2002; Ph.D., University of Cincinnati, 2008. (2008)

CROW, CRAIG, Associate Professor of Management. B.S., West Liberty University, 2002; M.S., West Virginia University, 2004; Ed.D, West Virginia University, 2011. (2009)

DAVIS, SARAH, Assistant Professor of Graphic Design. B.F.A., Columbus College of Art and Design, 1994; M.S., Robert Morris University, 2002. (2013)

DETERDING, STEPHEN, Assistant Professor of Mathematics, BS, Marshall University 2012; MA, University of Kentucky, 2014; PhD, University of Kentucky, 2018 (anticipated)

DIANDRETH-ELKINS, LEANN, Associate Professor of Special Education. B.S., Indiana University of Pennsylvania, 1988; M.A., Indiana University of Pennsylvania, 1990; M.Ed., Texas Tech University, 2003; Ed.D., Texas Tech University, 2008. (2013)

DOUGLAS, MIRIAM ROTH, Assistant Professor of Education and Program Coordinator of Community Education. B.A., University of Bamberg (Germany), 2004; M.A., West Virginia University, 2006; M.A., University of Bamberg (Germany), 2007; Ph.D., West Virginia University, 2011 (2012)

FAYKUS, TERESA, Professor of Nursing and Coordinator of RN to BSN Program. Ohio Valley School of Nursing; B.S., Ohio University, 1988; M.S., Franciscan University, 2004; DNP, Waynesburg University, 2013. (2004)

FENCL, BRIAN, Professor of Art and Chair of Department of Journalism, Communication Studies, and Visual Arts. B.F.A., Art Center College of Design, 1990; M.F.A., New York Academy of Art, 2000. (2002)

FITZPATRICK, BRIAN Assistant Professor of Political Science. B.A., University of North Carolina at Ashville, 2010; M.A., City University London, 2011; M.A., City University London, 2011; M.A., West Virginia University, 2014.

FLETCHER, TIFANI, Assistant Professor of Psychology. B.S., East Tennessee State University, 2001; M.A., East Tennessee State University, 2003; Ph.D., East Tennessee University, 2014. (2014)

GALL, ROBERT, Professor of Philosophy. B.A., University of Pennsylvania, 1978; M.A., Temple University, 1980; Ph.D., Temple University, 1984. (2005)

GARRETT, PATRICK, Assistant Professor of Music Education. B.M., West Virginia University, 1982; M.M., West Virginia University, 1994. (2012)

GILBERT, TORI, Assistant Professor of Speech Pathology-Audiology. B.A., West Liberty University, 2012; M.S., West Virginia University, 2014. (2018)

GREATHOUSE, WILLIAM (JOE), Assistant Professor of Biology, B.A., West Virginia University, 1998; M.S., West Virginia University, 1999; Ph.D., West Virginia University, 2015. (2015)

GRUBBS, JEFFREY, Associate Professor of Art Education, B.A.E, Indiana University, 1997; M.A., Miami University, 1999; Ph.D., The Ohio State University, 2010. (2018)

HAIZLETT, JAMES A., Associate Professor of Graphic Design. B.A., Grove City College, 1983; M.S., Bloomsburg University, 1994. (1999)

HALICKI, SHANNON, Associate Professor of Foreign Languages and Dean of the Honors College. B.A., University of Iowa, 1999; M.A., Indiana University, 2002; Ph.D., Indiana University, 2009. (2009)

HANNA, DAVID, Associate Professor of Athletic Training, and Program Director of Athletic Training. B.S., West Liberty University, 1993; M.S., West Virginia University, 1996; D.P.T., Wheeling Jesuit University, 2007. (2012)

HANNA, SCOTT, Assistant Professor of English. B.A., West Liberty University, 1996; M.A., Marshall University, 1998; Ph.D., Indiana University of Pennsylvania, 2012. (2008)

HARDER, MATTHEW, Professor of Music and Dean of College of Arts and Communication, and Coordinator of Interdisciplinary Studies. B.A., Illinois Wesleyan University, 1996; M.A., Bowling Green State University, 1999; D.M., Northwestern University, 2003. (2005)

HARNAR, HANNAH, Instructor of Athletic Training. B.S., University of Mount Union, 2011; M.S., Kent State University, 2013. (2013)

HARPER, AARON, Associate Professor of Philosophy. B.A., Creighton University, 2005; M.A., University of Illinois, 2007; Ph.D., University of Illinois, 2012. (2012)

HASTINGS, A. WALLER, Professor of English. B.A., Brown University, 1974; M.A., DePaul University, 1983; Ph.D., University of Wisconsin-Madison, 1988. (2010)

HAYES, RHONDA, Visiting Instructor of Social Work. B.S., University of Maryland University College, 2000; M.S.W, West Virginia University, 2010. (2018)

HOCHE, DOMINIQUE T., Associate Professor of English. B.A., San Jose State University, 1988; M.A., University of Nebraska, 1993; Ph.D., Michigan State University, 2003. (2011)

HOLSAPPLE, RAYMOND, Assistant Professor of Mathematics, BS, Eastern New Mexico University, 1999; MS, Texas Tech University 2003; PhD Texas Tech University 2006. (2018)

HORZEMPA, JOSEPH, Associate Professor of Biology. B.S., California University of Pennsylvania, 2000; M.S., California University of Pennsylvania, 2002; Ph.D., Duquesne University, 2006. (2011)

HUFFMAN, AARON, Associate Professor of Physical Education. B.S., West Virginia University, 1997; M.S., West Virginia University, 2000; Ed.D., West Virginia University, 2013. (2009).

HUFFMAN, COURTNEY, 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)

JESSE, GAYLE, Assistant Professor of Computer Information Systems. B.S., Robert Morris University, M.S.B.A., California University of Pennsylvania, D. Sc., Robert Morris University, (2017).

KANG, MOONJUNG, Associate Professor of Graphic Design. B.F.A., Hansung University, 1992; M.F.A., Hongik University, 1996; A.S., Oakland Community College, 2006. (2009)

KETTLER, KAREN, Associate Professor of Biology, Interim Dean of the College of Sciences. B.S., Bloomsburg University, 1998; M.S., California University, 2002; Ed.D. West Virginia University, 2013. (2008)

KOENIG, RYAN, Assistant Professor of Exercise Physiology and Program Director. B.S., Saint Vincent College, 2005; M.S., University of Wisconsin-Madison, 2009; Ph.D., University of Wisconsin-Madison, 2012. (2014)

KREISBERG, MELINDA, Professor of Biology. B.S., Mount Union College, 1988; Ph.D., University of Tennessee, 1994. (2002)

KREISBERG, ROBERT, Professor of Biology. B.A., University of South Florida, 1982; M.S., University of Tennessee, Knoxville, 1988; Ph.D. University of Tennessee, Knoxville, 1993. (1997)

KRUSE, ROBERT, Professor of Geography. B.A., Slippery Rock University, 1999; M.A., Kent State University, 2001; Ph.D., Kent State University, 2004. (2005)

KUHNS, CHAD, Assistant Professor of Mathematics. B.S., Freed-Hardeman University, 2003; M.S., Idaho State University, 2006; D.A., Idaho State University, 2010. (2014)

KULPA, BARBARA, Assistant Professor of Nursing. B.S.N., Wheeling Jesuit University, 1981; M.S.N., West Virginia University, 1988. (2012)

KUTLENIOS, ROSE, Associate Professor of Nursing and Program Director, Nursing. B.S.N., Duquesne University, 1971; M.N., University of Pittsburgh, 1979; M.S.N., University of Pittsburgh, 1999; Ph.D., University of Pittsburgh, 1985. (2012)

LARANCE, JEREMY, Professor of English, Assistant Provost. B.A., University of the South, 1998; M.A., Louisiana Tech University, 2002; Ph.D., University of Tulsa, 2008. (2007)

LASCH, META M., Assistant Professor of Communication and Theatre Arts and Theater Technical Director. B.A. West Liberty University, 1976; M.A., University of Pittsburgh 1980; graduate study: University of Pittsburgh, West Virginia University. (1981)

LEE, CHRISTIAN H., Associate Professor of Communications and Coordinator of Campus TV. B.A., Western Maryland College, 1984; M.A., Northern Illinois University 1987. (1989)

LEE, GERALD, 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)

LEE, SELYE, Assistant Professor of Criminology. B.S., Kyonggi University, 2010; M.A., Sungkyunkwan University, 2012; PhD, Indiana University of Pennsylvania, anticipated 2018. (2018)

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LOY, INGRID, Instructor of Marketing. B.S. West Liberty University, M.B.A., Wheeling Jesuit University. (2018)

LUKICH, DONNA J., Professor of Nursing and Online Instructional Specialist. B.S., West Liberty University, 1979; M.S.N., West Virginia University, 1982; Ed.D. West Virginia University, 1987. (1988)

MARSHALL, MICHAEL J., Professor of Psychology. B.A., California State University of Northridge, 1976; M.A., California State University of Northridge, 1980; Ph.D., Claremont Graduate University, 1987. (1992)

MASKEY, VISHAKHA, Associate Professor of Environment, Sustainability and Management. B.S., Tribhuvan University, 1994; M.S., Tribhuvan University, 1997; M.S., University of Maine, 2001; Ph.D., West Virginia University, 2007. (2008)

MASSEY, ARON, Assistant Professor of Geography. B.S., West Liberty University, 2002; M.A., Kent State University, 2004; graduate study: Kent State University, 2011. (2011)

MATUSIAK, MARTYNA, Associate Professor of Art Printmaking. M.A., University of Opole, Poland, 2007; M.F.A., Indiana University of Pennsylvania, 2010. (2012)

McCLAIN, TAMMY, Associate Professor of Psychology. B.A., University of Charleston, 1990; Psy.D., Wright State University School of Professional Psychology, 1994. (2006)

McCULLOUGH, RYAN, Assistant Professor of Communications and Director of Forensics. B.A., Marshall University, 2004; M.A., Marshall University, 2005; graduate studies: Wayne State University, 2006. (2009)

MEACHAM, REBECCA, Assistant Professor of Psychology. B.A., West Virginia Wesleyan College, 1987; M.A., Marshall University, 2002. Graduate Study, University of Pittsburgh. (2008)

MEHLMAN-BRIGHTWELL, DANIELLE, Instructor of Communication. B.A., Wheeling Jesuit University, 2007; M.A., Muskingum University, 2010; M.A., Bowling Green State University, 2018. (2018)

MEINTEL, KRISTIE, Clinical Instructor of Physician Assistant Studies. B.S., Alderson Broaddus College, 1996. (2016)

MICHAUD, THOMAS, Professor and Dean, School of Professional Studies. B.A., Fairfield University, 1974; M.A., Marquette University, 1976; Ph.D., Marquette University, 1982. (2009)

MONTEROSO, CATHERINE, Associate Professor of Physical and Health Education, and Interim Dean of College of Education and Human Performance. B.S., East Tennessee State University, 1990; M.Ed., Azusa Pacific University, 1994. (2009) Ed. D., North Central University. (2015)

NAEGELE, NICOLE, Instructor of English. B.A., West Liberty University, 1996; M.A., Indiana University of Pennsylvania, 1998. (1999)

NECASTRO, GERARD, Professor of English and Dean of College of Liberal Arts. B.A., Mercyhurst College, 1979; M.A., University of California-Riverside, 1987; Ph. D., University of Wisconsin-Madison, 1995. (2017)

NICHOLS, BRIAN, Assistant Professor of Chemistry, BA, Drew University 2009; MS University of Vermont, 2012; PhD West Virginia University, 2018 (anticipated in April 2018)

NOBLE, RHONDA, Professor of Physical Education. A.B., West Liberty University, 1983, M.S., Eastern Kentucky University, 1986; Ed.D., West Virginia University, 2002. (1986)

PENG, LI-WEI, Associate Professor of Education. B.A., Ming Chuan University, 2001; M.A., San Francisco State University, 2003; Ph.D., Ohio University, 2009. (2010)

PFISTER, JEFF, Instructor of Communications and Director of WGLZ Radio. B.S., Ashland University, 1991; M.A., West Virginia University, 2009. (2013)

PISSOS, MARK, Instructor of Computer Information Systems. A.A.S., West Virginia Northern Community College, 1988; B.S., West Liberty University, 2003; EMBA, West Virginia University, 2009. (2009)

PORTER, BONNIE, Lecturer in Medical Laboratory Science. B.S., West Liberty University, 1972. (2007)

RACINE, HOLLY, Assistant Professor of Biology BS, Seton Hill University 2012; PhD, Marshall University, 2018. (anticipated)

REHBEIN, ANGELA, Associate Professor of English. B.A., Fairmont State University, 2002 (English), 2003 (Art Education); M.A., Virginia Commonwealth University, 2005; Ph.D., University of Missouri-Columbia, 2011. (2011)

REIGEL, COREY, Associate Professor of History. A.B., Ripon College, 1981; M.A., University of New Hampshire, 1983; Ph.D., Temple University, 1990. (2008)

RIDLEY, SUSAN, Assistant Professor of Creative Arts Therapy. B.A., Foundation for International Services Evaluation, 1998; M. S, Springfield College, 2002; M.A., Caldwell University, 2017; PhD, Lesley University, 2012. (2018)

RINKES, BRENDA, Instructor of Social Work and Field Education Coordinator. B.A. Ohio University, 1974; M.S.W., Ohio State University, 1981. (2012)

ROCCIO, SHERRY, Instructor of General Business, M.B.A., Franciscan University, B.S., West Liberty University. (2017)

ROJAS, FELIPE, Assistant Professor of Spanish. B.A.H. Guelp University, 2005; M.A., Queen's University, 2007; Ph.D., University of Chicago, 2014. (2017)

ROSSELL, FRED, Instructor of Accounting. B.S., Waynesburg College, 1981; M.B.A., California University of Pennsylvania, 1986; C.M.A., 1990. (2008)

SCHIMMEL, SARAH, Associate Professor of Special Education. B.A., Bethany College, 2002; M.A., California University of Pennsylvania, 2009. (2009)

SCHMITT, DEANNA, Assistant Professor of Biology. B.S. Pennsylvania State University, 2005; Ph.D., University of Pittsburgh, 2012. (2012)

SEEBER, ROGER G., Professor of Biology. B.S., State University of New York, 1978; Ph.D., West Virginia University, 1989. (1991)

SENFTEN, SYLVIA, Professor of Social Work and Program Director, Social Work. B.A., West Virginia University, 1986; M.S.W., West Virginia University, 1989; Ed.D., West Virginia University, 1999. (2010)

SERRA, JON, Assistant Professor of Chemistry., Assistant Chair of the Department of Natural Sciences and Mathematics. B.S., California University of Pennsylvania, 1997; Ph.D., Pennsylvania State University, 2004. (2013)

SHACKLEFORD, HOWARD, Associate Professor of Physician Assistant Studies and Medical Director of Physician Assistant Studies. B.S., West Liberty University, 1973; M.D., West Virginia University. (2011)

SIX, MARGARET, Professor of Dental Hygiene. A.S., West Liberty University; B.S. West Liberty University, 1981; M.S.D.H., West Virginia University, 1993. (1997)

STAFFEL, PETER, Professor of English and Coordinator, 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)

STEPHAN-ROBINSON, ANNA K., Associate Professor of Music. A.A.S., Nassau Community College, 1988; B.A., City University of New York, 1993; M.M., University of Georgia, 2000; M.A., University of Rochester, 2003; Ph.D., University of Rochester, 2009. (2011)

SWARTZ, DOUGLAS, Associate Professor of Chemistry and Interim Chair of Department of Natural Science and Mathematics. B.S., Madonna University, 2004; Ph.D., Michigan State University, 2009. (2012)

SWEENEY, MICHELE, 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)

TENNANT, AMANDA, Assistant Professor of English and Director of the Robinson Writing Center. B.A., West Virginia University 2010; M.A., Carnegie Mellon University, 2011; Ph.D., Carnegie Mellon University, 2017. (2017)

TURRENTINE, S. MICHAEL, Professor of Business Law. B.S., Ohio University, 1978; J.D., Duquesne University of Law, 1996. (1999)

UNDERWOOD, KIMBERLEY, Assistant Professor of Sociology. B.A., Western Michigan University, 2005; M.A., Central Michigan University, 2001; Ph.D., Michigan State University, 2017. (2017)

WACK, KATHLEEN, Assistant Professor of Physical Education. B.A., Bethany College, 1998; M.S., Slippery Rock University, 2000; C.A.P.E., 2010. (2011)

WAGENER, WILLIAM C., Professor of Medical Laboratory Science and Program Director, Medical Laboratory Science. 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)

WALTERS, HANNAH, Instructor of Criminal Justice, B.S., West Liberty University 1996; M.B.A, Wheeling Jesuit University 2012. (2018)

WHEELER, EVELDORA, Assistant Professor of Social Work. B.A., West Virginia University, 1986; M.S.W., University of Pittsburgh, 1989; M.B.A, Point Park University, 2003; Ed.D. West Virginia University, 2015. (2017)

WEST, RICHARD, Associate Professor of Exercise Physiology. B.A., West Liberty University, 1997; M.S., West Virginia University, 2010; Doctoral studies in progress: West Virginia University. (2011)

WHOLEBER, MELEESA, Assistant Professor of Athletic Training. B.S., West Virginia Wesleyan College, 2000; M.S., James Madison University, 2002; D.H.S., Nova Southeastern University, 2010.

WRIGHT, DAVID, Associate Professor of Management. B.S., West Liberty University, 1979; M.B.A., University of Steubenville, 1985; graduate study: West Virginia University. (1982)

YOUSSEF, MOHAMED, 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)

ZDILLA, MATTHEW, Associate Professor of Biology & Physician Assistant Studies. B.S., University of Pittsburgh, 2003; D.C., New York Chiropractic College, 2006. (2009)



The Hughes Lecture Series

A popular program at West Liberty University is the Hughes Lecture Series, which brings to campus nationally-known speakers in government, literature, media, sports, popular arts, and many other fields.

This series is funded through a generous endowment by the late Dr. Raymond G. Hughes, Professor of English. He was a highway to the humanities, the main access to the republic of language and literature for thousands of then West Liberty State College students who thought of him as a friend as well as a teacher. They called him simply, “Doc.”

Throughout most of his long career, 1931 to 1970, no student could be graduated without having taken one of his courses in grammar, composition, speech, journalism, or literature. The ravages of polio, suffered when he was a child, left him paraplegic, lisping, and nearsighted, but left intact his capacious intellect, a hair-trigger humor, and jovial spirit of fellowship. He never let his confinement to a wheelchair prevent him from being in the thick of activities at West Liberty. He was advisor to several fraternities, performed in college plays, subsidized students who could not pay their tuition, and took others with him on his trips worldwide.

The lectures are open to the public, free of charge.