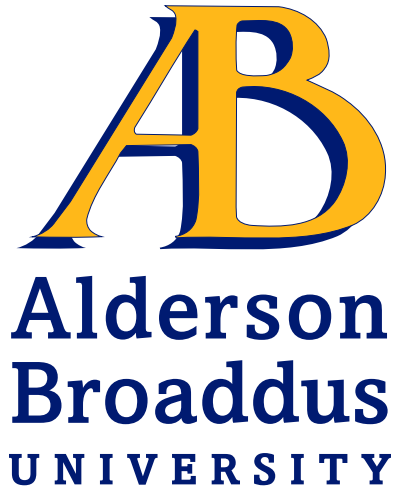


**2016-2017**  
**Undergraduate Catalog**



### **Notice of Non-Discrimination**

Alderson Broaddus University is committed to providing and maintaining a learning and working environment that is free from any form of illegal discrimination or harassment in accordance with federal, state and local law, including Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, Title VI and Title VII of the Civil Rights Act of 1964, the Americans with Disabilities Act, the Americans with Disabilities Amendments Act, the Age Discrimination in Employment Act, the West Virginia Human Rights Act, and their implementing regulations. Specifically, the University does not discriminate on the basis of sex, age, race, color, national origin, disability, religion, veteran status, or any other characteristic protected by federal, state and local law in recruitment, admission, educational programs, University activities or employment. There will be no retaliation against any individual who makes a good faith report of discrimination or harassment or participates in or cooperates with any investigation of alleged discrimination or harassment.

The following person has been designated to handle inquiries regarding the University's non-discrimination policies:

**Matthew Sisk/Title IX Coordinator**  
101 College Hill  
Philippi, WV 26416  
304-457-6356  
[siskmr@ab.edu](mailto:siskmr@ab.edu)

Additionally, you may contact the United States Department of Education,  
Office for Civil Rights:

U.S. Department of Education, Office for Civil Rights  
Lyndon Baines Johnson Department of Education Bldg  
400 Maryland Avenue, SW  
Washington, DC 20202-1100

Telephone: 800-421-3481  
FAX: 202-453-6012; TDD 877-521-2172  
Email: [OCR@ed.gov](mailto:OCR@ed.gov)

## **NOTICE OF DISCLAIMER**

Nothing in this publication or any of Alderson Broaddus University written policies, handbooks or other documents and nothing stated orally by a representative of the University should be construed to create any contractual obligations on the part of the University. Furthermore, no one at the University is authorized to contractually obligate the University to any student unless the obligation is in writing and is signed by the President of the University or designee. Recognizing that changes may be necessary, the University reserves the right to change at any time its policies, guidelines and procedures, including without limitation, the University's curricula, course offerings, fees, requirements for graduation and any other matters set forth in the various catalogs, manuals, written policies and other documents, at the sole discretion of the University.

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# 2016-2017 ACADEMIC CALENDAR

|  |                 |   |                |
|--|-----------------|---|----------------|
| Football team Move-In Day .....                                | August 9        | Last day to withdraw from 1st seven week courses .....            | February 20    |
| Fall sport team Move-In Day .....                              | August 12       | Last day of 8 week courses .....                                  | February 24    |
| New Faculty Orientation .....                                  | August 15       | LPN-BSN Weekend Classes .....                                     | February 24-25 |
| Faculty Workshops .....  | August 16-17    | First day of 8 week courses .....                                 | February 27    |
| New Undergraduate Student Move-In Day .....                    | August 18       | Last day to add/drop 8 week courses .....                         | March 1        |
| New Student Registration Day .....                             | August 19       | Midterm Grades Due .....  | March 1        |
| Off-Campus Excursion .....                                     | August 21       | Spring Break .....  | March 4-12     |
| Returning Student Move-In .....                                | August 21       | First day of 2nd seven week courses .....                         | March 13       |
| First Day of Classes .....                                     | August 22       | Last Day to add/drop 2nd seven week courses .....                 | March 15       |
| Last day to add/drop classes .....                             | August 26       | LPN-BSN Weekend Classes .....                                     | March 24-25    |
| LPN-BSN Weekend Classes .....                                  | August 26-27    | Advance Registration for Summer and Fall Semesters .....          | March 27-31    |
| Opening Convocation .....                                      | September 1     | Last day to withdraw from full semester classes .....             | April 5        |
| Labor Day Holiday (No Classes) .....                           | September 5     | Honors Convocation .....  | April 8        |
| First day of 8 week courses .....                              | September 5     | Last day to withdraw from 8 week courses .....                    | April 12       |
| Last Day to add/drop 8 week courses .....                      | September 7     | Good Friday (No Classes) .....                                    | April 14       |
| Last day to clear incompletes from the previous semester ..... | September 20    | Easter .....  | April 16       |
| LPN-BSN Weekend Classes .....                                  | September 23-24 | Last Day to withdraw from 2nd seven week courses .....            | April 18       |
| Last day to withdraw from 1st seven week courses .....         | September 29    | Last day of 8 week courses .....                                  | April 21       |
| Homecoming .....   | October 1       | LPN-BSN Weekend Classes .....                                     | April 21-22    |
| Midterm Grades Due .....                                       | October 10      | First day of 8 week courses .....                                 | April 24       |
| First day of 2nd seven week courses .....                      | October 10      | Last day to add/drop 8 week courses .....                         | April 26       |
| Last day to add/drop 2nd seven week courses .....              | October 13      | Reading Day .....   | April 28       |
| Last Day to withdraw from 8 week courses .....                 | October 19      | Final Exams .....   | April 29       |
| Fall Break .....   | October 20-21   | Final Exams .....   | May 1-4        |
| Advance Registration for Spring Semester .....                 | October 24-28   | Commencement .....  | May 6          |
| Last Day of 8 week courses .....                               | October 28      | Board of Trustees & Governors .....                               | May 6-7        |
| LPN-BSN Weekend Classes .....                                  | October 28-29   | LPN-BSN Weekend Classes .....                                     | May 19-20      |
| First Day of 8 week courses .....                              | October 31      | Registration Confirmation .....                                   | May 22         |
| Last Day to add/drop 8 week course .....                       | November 2      | First Day of Summer Semester Classes .....                        | May 22         |
| Last day to withdraw from full-semester classes .....          | November 9      | Last day to add/drop full & 1st summer session courses .....      | May 24         |
| Board of Trustees & Governors .....                            | November 12-14  | Memorial Day Holiday (No Classes) .....                           | May 29         |
| Last Day to withdraw from 8 week courses .....                 | November 14     | LPN-BSN Weekend Classes .....                                     | June 2-3       |
| Last Day to withdraw from 2nd seven week courses .....         | November 17     | Last day to withdraw from 8 week courses .....                    | June 7         |
| Thanksgiving Break .....                                       | November 21-25  | Last day to withdraw from 1st summer session courses .....        | June 14        |
| Thanksgiving Day .....   | November 24     | Last day of 8 week courses .....                                  | June 16        |
| LPN-BSN Weekend Classes .....                                  | December 2-3    | Last Day of 1st summer session courses .....                      | June 21        |
| Reading Day .....  | December 8      | Midterm (Ten-week classes) .....                                  | June 22        |
| Final Exams .....  | December 9-14   | Final exams (1st Five-week classes) .....                         | June 22        |
| Winter Break .....   | December 15-31  | First Day of the 2nd summer session courses .....                 | June 23        |
| Christmas Day .....  | December 25     | LPN-BSN Weekend Classes .....                                     | June 30-July 1 |
| New Year's Day .....   | January 1       | Independence Day Holiday (No Classes) .....                       | July 4         |
| First day of 8 week courses .....                              | January 2       | Last day to withdraw from full & 2nd summer session courses ..... | July 14        |
| Winter Break (continues) .....                                 | January 2-6     | LPN-BSN Weekend Classes .....                                     | July 14-15     |
| Last day to add/drop 8 week courses .....                      | January 4       | Last Day of 2nd summer session courses (22 days) .....            | July 25        |
| New Student Registration .....                                 | January 9       | Last Day for full summer session courses (45 days) .....          | July 25        |
| First Day of Classes .....                                     | January 11      | Final Exams (5 & 10 week classes) .....                           | July 26-27     |
| Martin Luther King, Jr. Holiday (No Classes) .....             | January 16      |   |                |
| Last day to add/drop classes .....                             | January 18      |   |                |
| LPN-BSN Weekend Classes .....                                  | January 20-21   |   |                |
| Board of Trustees & Governors Winter Meeting .....             | February 4-5    |   |                |
| Last day to clear incompletes from the previous semester ..... | February 8      |   |                |
| Last day to withdraw from 8 week courses .....                 | February 15     |   |                |

# GENERAL INFORMATION

## Alderson Broaddus University Mission

### **Identity**

Alderson Broaddus University is an independent institution of higher learning, committed to serving the region as an academic, cultural, and religious resource, with programs based on a strong liberal arts foundation. The University is rooted in historic and continuing relationships with the West Virginia Baptist Convention and the American Baptist Churches in the U.S.A.

### **Mission**

The mission of Alderson Broaddus University is to provide our students with the highest quality education, striving to prepare students to succeed in their chosen disciplines and to fulfill their roles in a diverse society as well-rounded and responsible citizens.

### **Institutional Student Learning Outcomes**

In accordance with the mission of the institution, Alderson Broaddus University has identified five institutional student learning outcomes: Critical Thinking; Communication; Ethics; Diversity; and Civic Engagement. The university continually assesses student learning outcomes and achievement in these five areas through its academic majors, liberal studies and co-curricular activities.

#### **CRITICAL THINKING**

Graduates will be able to acquire, analyze, apply, and evaluate information in order to solve problems.

#### **COMMUNICATION**

Graduates will be able to express ideas through written, verbal, and visual forms appropriate to their intended audience.

#### **ETHICS**

Graduates will be able to make decisions that are reasoned, informed, and respectful of others' views.

#### **DIVERSITY**

Graduates will be able to interact with ideas and people from different perspectives, backgrounds, and cultures.

#### **CIVIC ENGAGEMENT**

Graduates will have engaged in service with varied communities.

### **Core Values**

#### **High Academic Quality**

The University values learning founded on high academic standards demonstrated by the open exchange of ideas, freedom and diversity of thought, and intellectual challenge and rigor. The University sustains such high expectations of the members of its community through the continuous improvement of learning and teaching.

#### **Service**

The University values service as a lifelong commitment. It seeks to foster the development of such a commitment among its students, faculty, and staff by providing opportunities for them to engage in meaningful service to others.

### **Personal Growth and Development**

The University aims to advance the personal growth and development of all students by providing a caring environment that embraces the Christian values of moral integrity, service, trust, justice and compassion characterized by individualized attention to their academic, physical, spiritual, social, psychological, and aesthetic needs.

### **Life of Learning**

The University promotes a life of learning by encouraging and supporting inquiry, creativity, and application of learning in socially responsible ways.

### **Diversity**

The University deeply values its Appalachian heritage and promotes respect and appreciation for every person and for the richness of a diverse, multi-cultural, and global society.

## **Church Relatedness Statement**

As a faith-based learning community, Alderson Broaddus University affirms and proclaims that the source, reality, meaning, and purpose of human existence are shaped by the goodness, power, oneness, and faithfulness of the Sovereign God, disclosed and incarnate in the life, ministry, death, and resurrection of Jesus Christ and attested to by the biblical revelation given by the Holy Spirit through human witness. As a church-related institution of higher education, we fulfill our educational mission through dependence on, trust in, and responsive commitment to that Sovereign God.

We believe in the unity of God's ultimate truth, and we value the integration of faith and reason in the pursuit of knowledge and understanding in all areas of life. We believe that every human being is created in the image of God and possesses the ability to learn and grow both spiritually and intellectually. Our goal, therefore, is to cultivate sound reasoning and critical thinking through a curriculum grounded in the liberal arts, including biblical studies, and to empower persons with the skills to better serve God and humanity.

Alderson Broaddus University seeks to provide a caring community, reflective of the diversity present in society and in the body of Christ, but united in mutual respect and understanding. We embrace Christian values, including moral integrity, service, trust, justice, and compassion, among others. Within a nurturing environment, we seek to support and empower all members of our community to explore and carry out these values.

Alderson Broaddus University affirms our commitment to our historical and continuing place within the Church of Jesus Christ, as it is embodied in the West Virginia Baptist Convention and American Baptist Churches/USA. Within this commitment, we support religious freedom and respect for various expressions of faith and celebrate the Church's racial, cultural, and theological diversity. We value the interdependence and mutual accountability between churches and the University. We affirm our openness to being educated by the Church as well as our responsibility to educate and equip the Church to join us in responding to the biblical call to renewal and to the need for a vital witness in society. Through such a relationship, we are able to cooperatively fulfill our shared responsibilities for ministry and mission.

## **Vision Statement**

Alderson Broaddus University will:

- prepare graduates for success and service to humanity;
- embody its Christian commitment by caring for each student in a learner centered environment;

- be renowned as a leader in health-related and professional higher education firmly rooted in the liberal arts; and
- serve the people of Appalachia to enhance the quality of life and economic viability of the region.

## Accreditations and Memberships

Alderson Broaddus University is a private institution chartered under the laws of the State of West Virginia, affiliated with the West Virginia Baptist Convention and with the American Baptist Churches USA. While the University is Baptist in heritage and relationship, it is not sectarian in outlook. Students are admitted on the basis of academic ability and moral character.

The University is accredited by the Higher Learning Commission.

Higher Learning Commission  
230 South LaSalle Street, Suite 7-500  
Chicago, IL 60604  
[www.hlcommission.org](http://www.hlcommission.org)  
800.621.7440

The nursing baccalaureate program is accredited by Accreditation Commission for Education in Nursing and is approved by the West Virginia Board of Examiners for Registered Professional Nurses.

*Accrediting Agencies:*

Accreditation Commission for Education in Nursing, Inc. (ACEN)  
3343 Peachtree Rd NE, Suite 850  
Atlanta, GA 30326  
404-975-5000  
[www.acenursing.org](http://www.acenursing.org)

State Of West Virginia Board of Examiners for  
Registered Professional Nurses  
(WVBOERN)  
101 Dee Drive  
Charleston, WV 25311  
304-558-3596  
[www.wvrnboard.com](http://www.wvrnboard.com)

The teacher education program is accredited by the Teacher Education Accreditation Council (TEAC) and the West Virginia Department of Education.

TEAC  
1140 19th Street NW Suite 400  
Washington, DC 20036  
[www.teac.org](http://www.teac.org)

West Virginia Department of Education  
1900 Kanawha Boulevard East  
Charleston, WV 25305  
[www.wvde.state.wv.us](http://www.wvde.state.wv.us)

The athletic training program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).



Commission on Accreditation of Athletic Training Education  
6836 Austin Center Blvd. Suite 250  
Austin, TX 78731-3193  
<http://www.caate.net>

The Master of Science in Physician Assistant Program is accredited by the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA).

The Accreditation Review Commission on Education for the Physician Assistant (ARC-PA) has granted Accreditation-Continued status to the Physician Assistant Studies Program sponsored by Alderson Broaddus University. Accreditation-Continued is an accreditation status granted when a currently accredited program is in compliance with the ARC-PA Standards.

Accreditation remains in effect until the program closes or withdraws from the accreditation process or until accreditation is withdrawn for failure to comply with the Standards. The approximate date for the next validation review of the program by the ARC-PA will be September 2023. The review date is contingent upon continued compliance with the Accreditation Standards and ARC-PA policy.

Alderson Broaddus University is a member of the Council of Independent Colleges, the National Association of Independent Colleges and Universities, the Appalachian College Association, the International Council on Education, the West Virginia Association of Colleges for Teacher Education, the American Association for Teacher Education, the Association of Christian Higher Education of the American Baptist Churches /USA, and the West Virginia Independent Colleges and Universities, Inc.

The University is recognized by the American Association of Women, the American Association of University Professors, and numerous other learned and professional societies. State departments of education have approved the institution for the training of teachers for elementary and secondary schools.

## **ADMISSION TO THE UNIVERSITY**

Information pertaining to admission to Alderson Broaddus University can be found on the Admissions' website:

<http://admissions.ab.edu>

## **FEES AND FINANCIAL AID**

Comprehensive tuition, room, board and general fees total \$33,340.00 for the year 2016-2017. These yearly amounts are based upon two semesters in residence on campus. See additional information below concerning tuition. The total cost of educating a student at Alderson Broaddus University for one year is significantly more than the amount paid by the student. Gifts to Alderson Broaddus from churches, trustees, alumni, and other friends, along with endowment income and certain efficiency factors, provide the difference. The University strives to keep the cost to parents and students as reasonable as possible, consistent with the development and maintenance of an instructional staff and campus facilities, which assure high-quality education. The University reserves the right to adjust charges from year to year in accordance with operating costs and inflationary trends.

**Expenses for 2016-2017 (2 semesters)**

|                  |             |
|------------------|-------------|
| Year Tuition*    | \$25,140.00 |
| Room and Board** | \$7,990.00  |
| General Fee      | \$210.00    |
| Total            | \$33,340.00 |

\*Based on 12-18 semester hours each semester

\*\*Based on the Priestly/Kincaid rates

**Expenses for 2017-2018 will be announced in the spring of 2017.**

**Tuition**

Tuition charges are based on the number of university-sponsored semester hours attempted, whether on or off campus. These rates apply to full-time and part-time students. The charge for 2016-2017 is \$838.00 per semester hour. Students are charged tuition based on a per-credits hour basis up through 11 semester hours, at \$838.00 per credit hour. For a credit hour load of 12-18 hours, students are charged a flat fee of \$12,570.00 per semester. Semester hours taken beyond 18 hours are charged on a per-credit hour basis.

For the medical/radiological technology and physician assistant programs, tuition variances do occur, as the result of the required clinical experience needed for these programs.

**General Fee (2016-2017)**

The general fee of \$105 per semester is assessed for students who register for 12 or more semester hours, and \$52.50 per semester for students who register for 7-11 semester hours. This required fee includes charges for student activities, student center, student publications, and special events, and is administered by the Student Government Association (SGA).

**Special Fees**

Special fees will be assessed on a nonrecurring basis to students requesting special academic services.

**Room and Board**

As long as university facilities are available, all unmarried students are required to live in university residence halls except as noted under "Residence Hall Living" in the Student Handbook. The University will determine the number of occupants in each room. University residence hall room rates range from \$1,865.00-\$3,224.00 per student, per semester in 2016-2017. When double rooms are permitted to be used as single rooms, a 50 percent increase in rent is charged. Opening and closing dates for residence halls are stipulated in the academic calendars on pages vi and vii. Any students needing to arrive earlier must secure permission from the vice president for student services and pay for the extra room and board. Residence halls will be closed when the University is not in regular session, except for those students whose course of study or campus work requires them to remain at the university. Such students must obtain permission from the director of residence life to remain on campus, must

observe all university regulations, will be charged full room and board rates for all such days on campus, and may be required to live in rooms other than the ones they occupy during the regular session. The University reserves the right to use residence hall rooms for the housing of visitors during prolonged vacation periods. Students are notified of such use in advance of the vacation period when this is contemplated. The University has contracted with a professional food service management company for its food services and attempts to maintain high quality facilities and service. Board costs are \$2,025.00 per semester in 2016-2017. All resident students are charged for full board in the University dining hall. No refunds are granted for meals missed.

## **Refunds**

### **Course Withdrawals**

If a student drops a course up through the regular registration period, the student is not charged for that course. However, if a student withdraws from a course following the regular registration period, he or she will be charged for the tuition.

### **Withdrawal from the University**

For students who withdraw from the University during the fall or spring semester, pro-rata refunds of tuition, room and board will be given through the ninth week of the semester. All financial aid awarded for the semester will be pro-rated as well. No refunds will be given to students who withdraw after the ninth week, or to students who are dismissed or suspended from the University.

The pro-rating will be based on:

1. A 15-week semester
2. Rounding of the refund down to the nearest 10% of the time period after:
  - a. Deducting any unpaid charges owed by the student, which the student has been charged.
  - b. Adding an administrative fee of 5% of the charges assessed or \$100, whichever is less.

### **Summer Semester**

Summer semester students will be granted pro-rata refunds up to a maximum of 60 percent of a five (5) week term, subject to the additional conditions of number two (2) above. No refunds will be given to students who withdraw after the third week or to students who are dismissed or suspended from the University.

### **Music Fees**

During the first month of classes, the applied music fee will be refunded in full minus 1/14 of the fee for each lesson taken, including unexcused absences. After one month from the first day of classes no refunds will be granted. Check with Students Accounts Manager in the Business Office.

### **Financial Aid**

The primary responsibility for the cost of a student's education must rest with the student and their parents. However, Alderson Broaddus University gives limited financial assistance to promising and deserving students who present evidence of special need. The university has a program of aid which includes scholarships, grants, loans and work. Because the demand is always greater than the resources available, the amount granted to any individual student must be limited. In most cases, however, students will receive a combination of

scholarship, loan and work which, added to their own resources, will enable them to meet university expenses. The student must complete the Free Application for Federal Student Aid (<http://www.fafsa.ed.gov/>) in order to be considered for any Institutional, State or Federal assistance.

The University's priority deadline for FAFSA application is March 1.

### **Charges Payable**

All accounts with the university must be paid in full before a student is permitted to register for another semester. Transcripts and diplomas will be withheld until the student's financial obligations to the University have been met.

All term or semester charges are due by August 15th for the fall term and by January 4th for the spring term. If the balance is not paid by these dates a late fee of \$150.00 will be assessed. Also, for each month that there is a balance unpaid interest will be charged on the unpaid amount at the end of each month, excluding August and January. The interest rate is 6% over twelve months (ex.  $\$100 \times 6\%$  divided by 12 = \$0.50)

Check with Students Accounts Manager in the Business Office.

### **Financial Aid Categories**

Financial aid falls into specific categories and is administered by carefully planned policies. The categories include scholarships, grants, loans and work opportunities.

Alderson Broaddus University provides a number of scholarships and grants through the University budget. The Financial Aid Office of the University awards these funds. These awards are renewable if the student maintains minimum requirements established by the University. Go to [www.ab.edu](http://www.ab.edu) for more information.

Alderson Broaddus University also participates in the West Virginia Promise Scholarship program and the West Virginia Higher Education Grant Program and all Federal Title IV financial aid programs.

Please go to [www.ab.edu](http://www.ab.edu) for information on the different types of financial aid that are available.

**Satisfactory Academic Progress for Financial Aid** — In order to be eligible to receive federal, and/or, state or institutional financial aid, federal regulations require that a student be making satisfactory progress toward the completion of his or her degree or program. These standards apply to each potential financial aid recipient, whether a previous aid recipient or not. In addition, Alderson Broaddus University has established academic standards for the renewal of internally funded grants and scholarships, and various donors have established criteria for the renewal of their endowed scholarships and grants. Copies of policies regarding Satisfactory Academic Progress and renewal of internally funded and endowed scholarships and grants are available at [www.ab.edu](http://www.ab.edu) or upon request in the Financial Aid Office.

# STUDENT LIFE AND STUDENT SERVICES

Information pertaining to Student Life at Alderson Broaddus University can be found in the Student Handbook at: <http://ab.edu/wp-content/uploads/2016/07/StudentHandbook-2016-2017.pdf>

This includes information pertaining to academics, facilities, health and wellness policies, student services as well as information about Student Affairs.

## ACADEMIC INFORMATION

**The student is responsible for knowing Academic Policies and is responsible for satisfactorily meeting both general and special requirements for graduation.**

### GENERAL ACADEMIC INFORMATION

#### **The Undergraduate University Year**

The academic year for traditional on-campus programs consists of two 15-week semesters, which span the period from late August through mid-May. Each semester is followed with a week of final exams. The student is expected to earn an average of 30 semester hours of credit per academic year. There is a ten-week summer term during which a limited number of regular year offerings are scheduled.

#### **Unit of Academic Credit**

Credits are expressed in semester hours. Fifteen regular class sessions of one hour with two hours of preparation per class session or fifteen three or four-hour laboratory sessions will generally yield one semester hour of credit. Generally, a three-credit course will meet in three one-hour sessions per week, with an additional three-hour period for final examinations.

#### **Degrees Offered**

Alderson Broaddus University offers undergraduate programs of study through which a student may earn the Bachelor of Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Science, Bachelor of Science in Nursing, or Associate in Arts. The University also offers the Master of Science degree for Physician Assistant Studies.

### GENERAL ACADEMIC POLICIES

#### **Course and Grades Information:**

##### **Class Attendance**

Alderson Broaddus University operates on the principle that attendance is essential for good academic performance. Students are therefore expected to be regular in attendance for all academic appointments. Additionally, students should understand their responsibility for the following:

1. Students are responsible for all work missed because of any absence, and they must take the initiative in working out satisfactory arrangements with instructors. Course syllabi should describe instructors' expectations for students regarding absences and make-up work. If advance notice is received and instructor expectations of students are met, instructors should, when possible, allow students with such absences to make up any in class work that they missed. Instructors may require that work be completed in advance of scheduled absences.
2. Students must be present for scheduled tests in all classes. Certain exceptions may be possible through paragraphs 3 and 4; however, it should be noted that an instructor is under no obligation to provide makeup examinations if reasons for absence are not judged valid by the instructor.
3. Explanations for absences related to university-sponsored activities should be channeled to instructors through the appropriate offices at least one week in advance. If an instructor's attendance policy includes penalties for excessive absences, the instructor should, if possible, either exempt absences for university-sponsored activities from such penalties, or give students the option of completing appropriate alternative assignments to avoid a penalty. Faculty/staff in charge of university-sponsored activities should keep to a minimum the number of classes participating students are required to miss.
4. In case of illness or emergency where a student may be absent from the University for an extended period, students must notify the Office of Student Affairs. The Office of Student Affairs will notify the Registrar's Office to make them aware of these reported absences. Such notification by the student serves to explain the absence of the student. However, excusing the absence remains the prerogative of the instructor.
5. Students are expected to adhere to the schedules for vacations and recesses as printed in the University calendar. It is the responsibility of individual faculty members to determine and announce at the beginning of each course the consequences of not adhering to official vacation schedules.
6. When an instructor feels that absence has become a problem for a student and that the instructor's absence policy (as stated in the course syllabus) has been violated, the following steps should be taken:
  - a) The instructor states, in writing, to the student what is expected in attendance for the remainder of the semester. A copy of this statement is sent to the Office of the Provost/Executive Vice President for Academic Affairs.
  - b) If the student, thus counseled, continues to be absent, the instructor contacts the Provost/Executive Vice President for Academic Affairs and the Dean of Student Affairs to determine whether extenuating circumstances exist. If no such circumstances exist, the instructor may notify the student that he or she must withdraw from the course or earn a grade of "F." A copy of this notification should be sent to the Provost/Executive Vice President for Academic Affairs and Registrar.
  - c) A student who has been dropped from a course because of excessive absence may withdraw from the course with a grade of "W" up through the last day to withdraw as specified on the University calendar by processing the official withdrawal form. Students who have stopped attending class, but who do not officially withdraw by the last day to withdraw, will receive an "F" in the course.

## Course Instruction and Evaluation Concerns

Students are encouraged to be concerned about the quality of instruction and the teaching models they see in the college classroom. Typically, at the end of each semester faculty members will ask students to complete a course and faculty evaluation form. The University uses the results of these evaluations to improve instruction. It is very important that a student give careful consideration when filling out these forms.

However, questions concerning instructional or evaluation practices may also arise during the course of the semester, and these may need more immediate attention. If so, the following steps should be taken during the course of the semester:

- The student should share the concerns with the faculty member involved.
- If the concern is of such a nature that the student does not feel comfortable sharing the information with the faculty member, or if the student feels that the concern has not been adequately dealt with, the student may contact the school chairperson.
- If there is no school chairperson, or if the student feels that the concern has not been adequately dealt with, he or she may address the concern to the college dean.
- If the student feels that the college dean has not adequately dealt with the concern, he or she may appeal to the Provost/Executive Vice President for Academic Affairs, who may require that the concerns be put in writing. The decision of the Provost/Executive Vice President for Academic Affairs will be final.

If the issue has to do with calculation of the final course grade, students should use the grade appeal process described below. Only the miscalculation of the final grade or failure by the instructor to credit work required for the final grade are bases for appealing a final course grade. Issues that arise during a course and that involve instructional and evaluation practices will be addressed only through the process described in this section, not through the grade appeal process described in the next section.

## Final Examinations

Final examinations for specific courses are to be administered according to a schedule prepared by the Office of the Registrar and published at the beginning of the semester. All students are expected to make their plans accordingly and to adhere to the schedule.

## Final Grade Appeal

Only a final course grade may be appealed. Students have only two bases for appeal: miscalculation of the final grade by the instructor or failure by the instructor to credit work required for the final grade. This process will not address matters such as course content, interpretations of items on evaluative instruments, approaches to instruction, and grading standards. The student must submit his or her written appeal to the appropriate party, as described below, within four days of the beginning of the next semester, including registration days. The written appeal must include all reasons in support of the appeal. The grade



originally assigned will stand unless and until it is changed following appeal.

1. A student will first present the written appeal to the instructor. Within two class days of receipt of the written appeal, the instructor will meet with the student and review the basis for the grade assigned. No other persons will be present and no recording devices will be allowed. Within two class days of meeting with the student, the instructor will submit his or her decision and rationale in writing to the student and the school chairperson, if there is one, or the college dean.

2. If the student wishes to continue with his or her appeal, the written appeal must be submitted to the school chairperson, if there is one, within two class days of the receipt of the written decision of the instructor. Within two class days of receipt of the written appeal, a meeting will be held among the school chairperson, the instructor, and the student, to discuss the student's appeal. No other persons will be present and no recording devices will be allowed. The school chairperson will submit his or her written decision and rationale within four class days to the student and the instructor, with copies to the Provost/Executive Vice President for Academic Affairs and the college dean.

3. If the student wishes to continue with his or her appeal, the written appeal must be submitted to the college dean within two class days of the receipt of the written decision of the school chairperson, if there is one, or the instructor. Within two class days of receipt of the written appeal, a meeting will be held among the college dean, the school chairperson, if there is one, the instructor, and the student, to discuss the student's appeal. No other persons will be present and no recording devices will be allowed. The college dean will submit his or her written decision and rationale within four class days to the student, the instructor, and the school chairperson, if there is one, with a copy to the Provost/Executive Vice President for Academic Affairs.

4. If the student wishes to continue with his or her appeal, the student must submit the written appeal to the Provost/Executive Vice President for Academic Affairs within two class days of receipt of the written decision of the college dean. Within two class days of receipt of the student's written appeal, a meeting will be held among the Provost/Executive Vice President for Academic Affairs, the school chairperson and/or college dean, the instructor, and the student. No other persons will be present and no recording devices will be allowed. The Provost/Executive Vice President for Academic Affairs will submit his or her written decision and rationale within five class days to the student, the instructor, and the school chairperson and/or college dean. The decision of the Provost/Executive Vice President for Academic Affairs will be final.

5. If the school chairperson is also the instructor, the student will submit the written appeal to the college dean. If the college dean is the instructor, the student will submit the appeal directly to the Provost/Executive Vice President for Academic Affairs.

6. If the instructor has permanently left the institution, the written appeal will be submitted to the school chairperson, if there is one, or to the college dean if there is no school chairperson.



## Final Grade Reports

At the end of the semester students are able to access their course grades in WebAdvisor. Students who want a paper copy of the grade report must provide the Registrar's Office with a written request.

## Midterm Deficiency Reports

Any grade of "D", "F", or "U" will be reported at midterm to the Provost Office and a Midterm Deficiency Report will be sent to the student.

## Equal Opportunity for Students With Disabilities Policy

See *Student Handbook*.

<http://ab.edu/wp-content/uploads/2016/07/StudentHandbook-2016-2017.pdf>

## Family Education Rights and Privacy Act (FERPA)

See *Student Handbook*.

<http://ab.edu/wp-content/uploads/2016/07/StudentHandbook-2016-2017.pdf>

## Leaving the University

### Withdrawal from University

- A student withdrawing from the University, either during an academic term or at the completion of an academic term, must complete a withdrawal form available in the Registrar's Office.
- Failure to comply with this procedure will result in the recording of an "F" on the student's permanent record.
- Withdrawing from the University means withdrawing from all registered courses. This is only permitted with a grade of "W" during the period prior to the last day to withdraw each semester. After the last day to withdraw, a grade in each course must be assigned.

### Leave of Absence

- Under unavoidable situations and for justifiable reasons a student may be granted a leave of absence for one or two semesters. A leave is granted only when the absence seems necessary and the student definitely plans to return when the period of absence expires.
- A leave of absence form should be received from and returned to the Registrar by the applicant. The applicant must get the required signatures.
- The student is not eligible for financial aid from Alderson Broaddus University during this time. The student will enter his or her grace period for student loan repayment.
- The University will notify Veteran Affairs that a student receiving veteran benefits is not enrolled. The student must also send such notice to the VA. Any student aid or work assignment formerly held is relinquished.
- The University cannot make academic adjustments for courses missed.

## Transcript Requests

- Persons who desire an official copy of their University record must make a written request to the Registrar's Office.
- The University's transcript request form can be found at: <http://ab.edu/wp-content/uploads/2015/01/Transcript-Request-2015.pdf>
- All financial obligations to the University must be satisfied before a transcript will be issued, therefore requests should be made at least two weeks before the transcript is needed. Once the repayment period has begun, delinquency related to an educational loan will be regarded to be reason for withholding transcripts.

## REGISTRATION INFORMATION

### Faculty Advisors

Each student is assigned a faculty advisor who assists in the selection of courses to meet requirements. This person, as well as the Registrar's Office, maintains a cumulative record of the courses taken and the grades received. The faculty advisor counsels on academic progress and helps the student with vocational plans and objectives. **The student, however, is responsible for knowing both general and special requirements, and for meeting them satisfactorily for graduation.**

### Credit Hour Registration Information

1. Credit Loads
  - Part-Time Enrollment is less than 12 credit hours and is charged for each credit hour.
  - Full-Time Enrollment is 12-18 credit hours and is charged the block tuition rate.
  - Enrollment for 19-22 credits is considered an overload and will have additional charges attached.
2. Registration above 18 credits hours during any semester is restricted.
  - In order to register for more than 18 credit hours during any semester a student must be at the sophomore, junior or senior level and have a cumulative GPA of 3.00.
  - Students (including freshmen) who are required to enroll in courses in order to receive scholarship assistance will not have the credits associated with those courses counted in the 18 credit hour limit.
3. Students not meeting these conditions will be required to get the permission of the Provost/Vice President for Academic Affairs. No student will be allowed to register for more than 22 credit hours.
4. Students on academic probation or admitted on academic probation will not be allowed to register for more than 15 credits.

## Change of Registration

1. Any change in registration must be processed through the Registrar's Office.
2. "Dropping" a course within the first five days will not be entered on the permanent record but must be properly processed.
3. If a student "withdraws" from a course following the Add/Drop period, but within fifty-five days of the term, he or she receives a grade of W.
4. Withdrawal after the 55th class day will result in a grade of "F" unless the Provost/Vice President for Academic Affairs deems that a health or other emergency exists.
5. Students withdrawing from courses that take them to less than 6 credit hours must complete an exit interview with the Financial Aid Office.
6. A student who has registered for auditing cannot change the registration to credit after the end of the add/drop period.

## Determination For Placement in Courses

### 1. Math Placement

Based upon ACT Math or SAT Math scores and/or the University's Math Placement Test, a student may be required to complete Mathematics 011, Basic Algebra, prior to enrolling for higher-level mathematics courses. In addition, based on the above, students may be allowed to by-pass lower level mathematics courses for placement in courses up through Mathematics 231 (Calculus 1) and Mathematics 232 (Calculus II).

Students with **ACT Math** scores of:

20 or below (SAT Math 500 or below)

21 or above (SAT Math 501 or above)

23 or above (SAT Math 521 or above)

Placement:

DEVL-011

MATH-111 or MATH-113

By-Pass Liberal Studies Math Requirement

23 or above (SAT Math 521 or above)

25 or above (SAT Math 580 or above)

MATH-141 or MATH-151

MATH-231 or MATH-166

### 2. English Placement

Based upon ACT English or SAT Verbal scores and/or the University's Language Placement Test, a student (without receiving academic credit) may be required to complete English 018. Students may also be able to bypass (without receiving academic credit) English 190 and/or English 200.

Students with **ACT English** scores of:

17 or below (SAT Verbal 390 or below)

18 or above (SAT Verbal of 400 – 550)

Placement:

DEVL-018

ENGL-190

### 3. OTHER PLACEMENT

#### • Reading Placement

Based upon ACT Reading or SAT Verbal scores a student (without receiving academic credit) may be required to complete Reading 010,

Reading Skills.

Students with **ACT Reading** scores of:      Placement:  
17 or below (SAT Verbal 440 or below)      DEVL-010

- **Study Skills Placement**

If a student is required to take two or more foundational courses, he or she will also be required to take GNST-120, Learning Skills Development. This is a 1 credit course that does count toward graduation credit.

#### 4. Foreign Language Placement

- A student's placement in his or her initial foreign language course is based upon the credit received for foreign languages in high school. One year of high school credit is considered equivalent to one semester of study in the same language in University. Therefore, If no high school credit has been earned, the student begins with (Language) 110.  
If one year of high school credit has been earned, the student begins with (Language) 111--or 110.  
If two years of high school credit have been earned, the student begins with (Language) 220--or 110, or 111.  
If three years of high school credit have been earned, the student begins with (Language) 221--or 110, 111, or 220.
- Any exception to this placement policy, either recommended by the academic advisor or requested by the student, must be approved by the foreign language faculty.
- Specific language requirements within various major programs are found under the section "Programs of Study - Majors".
- Students who are uncertain about the level at which they should begin their foreign language study should meet with the foreign language faculty for evaluation.
- Students who are bilingual, as determined by the foreign language faculty, are exempt from any foreign language study requirement.
- Students enrolling in a conversational foreign language course that is part of an international studies program sponsored by the University may count the course in fulfilling their foreign language requirement, even if the conversational course is in a different language. However, that course may not be used to replace a course in the middle of the normal sequence of the language requirement.

### Credit By Examination

The University grants college credit for various credit by examination opportunities. These include:

- The College Board's Advance Placement Program
- International Baccalaureate Tests
- The College Board's College-Level Examination Program
- StraighterLine Courses
- Joint Services Transcript (JST) used by the Army, Marine Corps,

Navy, and Coast Guard.

- Alderson Broaddus University's Credit-by-Examination Information about these options is listed below.

1. The University utilizes the College Board's Advance Placement Program. The test results are furnished to the University upon the request of the student. Courses may not be used to meet requirements in majors or minors without department approval. Courses may be used to meet liberal studies and elective credit requirements.

| <b>Advanced Placement</b> | <b>SCORE</b> | <b>CR</b> | <b>Alderson Broaddus COURSES</b> | <b>Liberal Studies</b> |
|---------------------------|--------------|-----------|----------------------------------|------------------------|
| Art History               | 3            | 3         | ART-190                          | Goal II-F              |
| Biology                   | 4            | 8         | BIOL-210 and BIOL-211            | Goal II-A              |
| Calculus AB               | 4            | 7         | MATH-231                         | Goal I-B               |
| Calculus BC               | 4            | 8         | MATH-231 and MATH-232            | Goal I-B               |
| Chemistry                 | 4            | 8         | CHEM-200 and 201                 | Goal II-A              |
| Comparative Govt.         | 3            | 3         | POLS Elective                    |                        |
| Computer Science A        | 4            | 6         | CSCI-261 and CSCI-262            | Goal I-C               |
| Computer Science AB       | NA           |           | Not Accepted                     |                        |
| English Language          | 4            | 3         | ENGL-190                         | Goal I-A-1             |
| English Literature        | 3            | 3         | ENGL Elective in Literature      | Goal II-E              |
| Environmental Science     | 4            | 4         | ENVS Elective                    | Goal II-A              |
| French Language           | 4            | 3         | FRCH Elective                    |                        |
| French Literature         | NA           |           | Not Accepted                     |                        |
| German Language           | 4            | 3         | GERM Elective                    |                        |
| Human Geography           | 4            | 3         | GEOG Elective                    |                        |
| Macroeconomics            | 4            | 3         | ECON-201                         | Goal II-C-2            |
| Microeconomics            | 4            | 3         | ECON-211                         | Goal II-C-2            |
| Music Theory              | 4            | 2         | MUSC-135 w/ placement            |                        |
| Physics B                 | 4            | 4         | PHYS-221 and PHYS-222            | Goal II-A              |
| Physics C                 | 4            | 3         | PHYS Elective                    |                        |
| Psychology                | 4            | 3         | PSYC-190                         | Goal II-C-1            |
| Spanish Language          | 4            |           | SPAN-220                         |                        |
| Spanish Literature        | NA           |           | Not Accepted                     |                        |
| Statistics                | 4            | 3         | MATH-251                         | Goal I-B               |
| Studio Art                | 4            | 1         | ART Elective                     |                        |
| United States History     | 3            | 6         | HIST-200 and HIST-210            | Goal II-D              |
| U.S. Govt & Politics      | 3            | 3         | POLS-200                         | Goal II-C-2            |
| World History             | 3            | 6         | HIST-150, HIST-160               | Goal II-D              |

2. Alderson Broaddus University awards academic credit for International Baccalaureate Program (IB) courses taken at the standard level or higher level in which the student has earned a score of 5 or above.
3. The University utilizes the College Board's **College-Level Examination Program** (CLEP). The test results are furnished to the University upon the request of the student.

| CLEP Examination                                   | SCORE | CR | Alderson Broaddus COURSES | Liberal Studies |
|--|-------|----|---------------------------|-----------------|
| American Literature                                | 50    | 3  | ENGL Elective             | Goal II-E       |
| Analyzing and Interpreting Literature              | 50    | 3  | ENGL Elective             | Goal II-E       |
| English Composition with or without Essay          | 50    | 3  | ENGL Elective             |                 |
| English Literature                                 | 50    | 3  | ENGL Elective             | Goal II-E       |
| Freshman University Composition                    | 50    | 3  | ENGL Elective             |                 |
| French Language - Level 1 (two semesters)          | 50    | 3  | FRCH Elective             |                 |
| French Language - Level 2 (four semesters)         | 50    | 3  | FRCH Elective             |                 |
| German Language - Level 1 (two semesters)          | 50    | 3  | GERM Elective             |                 |
| German Language - Level 2 (four semesters)         | 50    | 3  | GERM Elective             |                 |
| Spanish Language - Level 1 (two semesters)         | 50    | 3  | SPAN Elective             |                 |
| Spanish Language - Level 2 (four semesters)        | 50    | 3  | SPAN Elective             |                 |
| American Government                                | 50    | 3  | POLS-200                  | Goal II-C-2     |
| History of the U.S. I: Early Colonizations to 1877 | 50    | 3  | HIST-200                  | Goal II-D       |
| History of the U.S. II: 1865 to the Present        | 50    | 3  | HIST-210                  | Goal II-D       |
| Human Growth and Development                       | 50    | 3  | PSYC-220                  | Goal II-C-1     |
| Humanities   | 50    | 3  | HUMN Elective             |                 |
| Introduction to Educational Psychology             | 50    | 3  | EDUC Elective             |                 |
| Principles of Macroeconomics                       | 50    | 3  | ECON-201                  | Goal II-C-2     |
| Principles of Microeconomics                       | 50    | 3  | ECON-211                  | Goal II-C-3     |

|  |    |   |               |             |
|--|----|---|---------------|-------------|
| Introductory Psychology                              | 50 | 3 | PSYC-190      | Goal II-C-1 |
| Social Sciences and History                          | 50 | 3 |               |             |
| Introductory Sociology                               | 50 | 3 | SOCI-190      | Goal II-C-1 |
| Western Civilization I:<br>Ancient Near East to 1648 | 50 | 3 | HIST-150      | Goal II-D   |
| Western Civilization II: 1648<br>to the Present      | 50 | 3 | HIST-160      | Goal II-D   |
| Biology  | 50 | 3 | BIOL Elective |             |
| Calculus   | 50 | 3 | MATH-231      | Goal I-B    |
| Chemistry  | 50 | 3 | CHEM Elective |             |
| College Algebra                                      | 50 | 3 | MATH-113      | Goal I-B    |
| College Algebra-<br>Trigonometry                     | 50 | 3 | MATH Elective | Goal I-B    |
| College Mathematics                                  | 50 | 3 | MATH Elective | Goal I-B    |
| Natural Sciences                                     | 50 | 3 | NSCI Elective |             |
| Trigonometry   | 50 | 3 | MATH Elective | Goal I-B    |
| Principles of Accounting                             | 50 | 3 | BUSI Elective |             |
| Introductory Business Law                            | 50 | 3 | BUSI Elective |             |
| Information Systems and<br>Computer Applications     | 50 | 3 | CSCI-134      | Goal I-C    |
| Principles of Marketing                              | 50 | 3 | BUSI Elective |             |
| Principles of Management                             | 50 | 3 | BUSI Elective |             |

4. The University will award credit for courses taken through StraighterLine in which the student earned a score of 70 or better.

## STRAIGHTERLINE

## Alderson Broaddus Course

## Credit

| Business                 |          |                               |          |   |
|--------------------------|----------|-------------------------------|----------|---|
| Accounting I             | ACC 101  | Introduction to Accounting I  | BUSI-140 | 3 |
| Accounting II            | ACC 102  | Introduction to Accounting II | BUSI-150 | 3 |
| Managerial Accounting    | ACC 150  | Elective Credit               |          | 3 |
| Financial Accounting     | ACC 151  | Elective Credit               |          | 3 |
| Introduction to Business | BUS 101  | Elective Credit               |          | 3 |
| Business Communication   | BUS 105  | Elective Credit               |          | 3 |
| Business Ethics          | BUS 106  | Ethics in Business            | BUSI-250 | 3 |
| Business Law             | BUS 110  | Elective Credit               |          | 3 |
| Organizational Behavior  | BUS 120  | Elective Credit               |          | 3 |
| Principles of Management | BUS 201  | Introduction to Management    | BUS-160  | 3 |
| Economics I              | ECON 101 | Macro-Economics               | ECON-201 | 3 |
| Economics II             | ECON 102 | Micro-Economics               | ECON-202 | 3 |
| Personal Finance         | FIN 101  | Personal Finance              | BUSI-210 | 3 |

| English                        |               |                              |          |   |
|--------------------------------|---------------|------------------------------|----------|---|
| English Composition I          | ENG 101       | Freshman Composition         | ENGL-190 | 3 |
| English Composition II         | ENG 102       | Advanced Composition         | ENGL-200 | 3 |
| Humanities and Social Sciences |               |                              |          |   |
| Introduction to Religion       | REL 101       | Religions of the World       | RELG-280 | 3 |
| Cultural Anthropology          | ANTH 101      | Elective Credit              |          | 3 |
| Western Civilization I         | CIV 101       | Liberal Studies Goal II-D    |          | 3 |
| Western Civilization II        | CIV 102       | Liberal Studies Goal II-D    |          | 3 |
| Survey of World History        | CIV 102       | Liberal Studies Goal II-D    |          | 3 |
| Intro to Criminal Justice      | CJ 101        | Intro to Criminal Justice    | CJUS-200 | 3 |
| Intro to Communications        | COM 101       | Principles of Communication  | COMM-140 | 3 |
| Intro to Philosophy            | PHIL 101      | Intro to Philosophy          | PHIL-190 | 3 |
| American Government            | POLS 101      | American Nat'l Gov't         | POLS-200 | 3 |
| Intro to Psychology            | PSY 101       | General Psychology           | PSYC-190 | 3 |
| Intro to Sociology             | SOC 101       | Intro to Sociology           | SOCI-190 | 3 |
| United States History I        | USHIST 101    | History of the US to 1877    | HIST-200 | 3 |
| United States History II       | USHIST 102    | History of the US since 1877 | HIST-210 | 3 |
| Mathematics                    |               |                              |          |   |
| College Algebra                | MAT 101       | College Algebra              | MATH-113 | 3 |
| Business Statistics            | MAT 105       | Statistics and Data Analysis | PSYC-260 | 3 |
| Precalculus                    | MAT 201       | Precalculus                  | MATH-251 | 3 |
| Intro to Statistics            | MAT 202       | Statistics                   | MATH-251 | 3 |
| General Calculus I             | MAT 250       | * see below                  |          |   |
| General Calculus II            | MAT 251       |                              | MATH-231 | 4 |
| Science                        |               |                              |          |   |
| Intro to Biology               | BIO 101       | Elective Credit              |          | 3 |
| Intro to Biology and Lab       | BIO 101 & Lab | Introduction to Biology      | BIOL-110 | 4 |
| Anatomy & Physiology I         | BIO 201       | Elective Credit              |          | 3 |
| Anatomy & Phys I w/ Lab        | BIO 201L      | Anatomy & Physiology I       | BIOL-270 | 4 |
| Anatomy & Physiology II        | BIO 202       | Elective Credit              |          | 3 |
| Anatomy & Phys II w/ Lab       | BIO 202L      | Anatomy & Physiology II      | BIOL-271 | 4 |
| Microbiology                   | BIO 250       | Elective Credit              |          | 3 |
| Microbiology Lab               | BIO 250L      | Elective Credit              |          | 1 |
| General Chemistry I            | CHEM 101      | Elective Credit              |          | 3 |
| General Chemistry I w/ Lab     | CHEM 101Lab   | Introduction to Chemistry    | CHEM-190 | 4 |
| First Aid/CPR                  | MED 101       | Saftey and First Aid         | PHED-335 | 2 |



|                             |              |                           |          |   |
|-----------------------------|--------------|---------------------------|----------|---|
| Medical Terminology         | MED TERM 101 | Health Care Terminology   | HSCI-100 | 3 |
| Intro to Nutrition          | NUTRI 101    | Nutrition                 | HSCI-260 | 3 |
| Personal Fit & Wellness     | PE 101       | Personal Wellness/Fitness | PHED-270 | 2 |
| Pharmacology I              | PHARM 101    | Elective Credit           |          | 3 |
| Pharmacology II             | PHARM 102    | Elective Credit           |          | 3 |
| General Physics I           | PHY 250      | Elective Credit           |          | 3 |
| General Physics I w/ Lab    | PHY 250L     | General Physics I         | PHYS-221 | 4 |
| General Physics II          | PHY 251      | Elective Credit           |          | 3 |
| General Physics II w/ Lab   | PHY 251L     | General Physics II        | PHYS-222 | 4 |
| Intro to Environmental Sci  | ENV 101      | Elective Credit           |          | 3 |
| <b>Technology</b>           |              |                           |          |   |
| Intro to Programming in C++ | CS 101       | Intro to Computer Science | CSCI-110 | 4 |
| Information Tech Fund       | IT 101       | Introduction to Computers | CSCI-134 | 3 |
| <b>Languages</b>            |              |                           |          |   |
| Spanish I                   | SPAN 101     | Elementary Spanish I      | SPAN-101 | 3 |
| Spanish II                  | SPAN 102     | Elementary Spanish II     | SPAN-102 | 3 |

5. Joint Services Transcript (JST) used by the Army, Marine Corps, Navy, and Coast Guard are evaluated in accordance with the recommendation provide in the American Council on Education's *Military Guide*.
6. A student who is enrolled in a degree program at Alderson Broaddus University and who has acquired substantial knowledge in a particular subject area may request permission to take an examination in that subject. Subject areas included in the approved list of CLEP tests will not be considered for a departmentally planned examination. The student must demonstrate work of at least "C" quality in order to receive credit for the course, but no grade will appear on the official record. A fee of \$100 per semester hour is charged for the examination.

## Guidelines Related to the Credit by Examination Policies

1. The provisions of the Advanced Placement Program (AP), International Baccalaureate Program (IB), StraightLine, and the College-Level Examination Program (CLEP) will be open to any student who:
  - Submits his or her official scores as an entering student (in a manner similar to the procedures under which transfer students submit official and original transcripts), or
  - Is currently registered as a student of the University and
    - a) has not previously attempted the course, either through regular class registration or audit; and
    - (b) has not previously earned credit for any course(s) in sequence above that represented by the examination.

Credit by examination, up to a maximum of 30 semester hours, may be counted toward a baccalaureate degree at Alderson Broaddus University.

2. Credit by examination, up to a maximum of 30 semester hours, may be counted toward a baccalaureate degree at Alderson Broaddus University.
3. A related University policy stipulates, however, that the last 32 hours of a degree program must be earned through course work on the campus.
4. In all cases of credit or advanced placement earned in this manner, the official record will show that such recognition was gained by examination. Credit (if appropriate) will be recorded but will not earn any Quality Points.
5. Semester hours of credit for the Alderson Broaddus equivalent course(s) will apply to liberal studies and elective requirements only. The use of the courses to meet the requirements or the prerequisites of a major or a minor will be the decision of the program's department, and an approved Program Modification/Course Substitution form will need to be completed

### **Auditing a Class**

- A person desiring to audit a course must obtain permission from his/her advisor and written permission from the course instructor.
- Auditors do not take examinations, submit written work, do laboratory work, or participate in class discussion except at the invitation of the instructor.
- Laboratory courses, studio art, Music Performance, private instruction, physical education activity courses, or other courses, which require the development of specific personal skills, and therefore a significant degree of personal instruction, are not open for auditing.
- Audits will be recorded without credit.
- Auditors must register for the course.
- Full-time students do not pay the audit fee; other auditors pay the current announced fee.

### **Permission To Take Courses Elsewhere**

A student who is working toward a degree at Alderson Broaddus or who wishes to be recommended by the University for Teacher Certification must secure permission in advance to take courses for credit at another institution by filing with the Registrar an application approved by the advisor. Without such permission, credits earned elsewhere may not be accepted. Courses which have earned an "F" at another institution will not receive transfer credit. Work transferred from another institution is not counted in a student's cumulative GPA except in determining his or her eligibility for teacher certification.

### **Transfer Credit Policies**

- Alderson Broaddus University accepts transfer credit from regionally accredited colleges and universities in the United States.
- The Registrar will evaluate official transcripts after the student has accepted Alderson Broaddus University's offer of admission and has made a tuition deposit.
- For a transcript to be considered official, the transcript must be sent directly to Alderson Broaddus University by the issuing authority using

the sending institutions security features. This generally means that the transcript must bear the institution's seal or be printed on copy protect paper, date, an appropriate registrar's signature. Transcripts received that do not meet these requirements will not be considered official. Official transcripts cannot be faxed, scanned or emailed. Official electronic transcripts may be accepted if sent directly to the Registrar.

- Academic credit will be award for all qualifying courses.
- In order to be awarded credit for a specific Alderson Broaddus University course, the transfer course will be evaluated using the course description, the level of the course, the information covered in the course, and the date when the course was taken. Evaluations may involve consultation with the appropriate academic department. The student may be requested to provide further information concerning the course.
- Courses within academic programs may need to be reviewed by the appropriate school chairperson or college dean before a final evaluation is made.
- University credit cannot be awarded based on dual credit courses listed on a high school transcript. To receive the credit, the student must provide an official University transcript.
- Academic credit is not granted for:
  - Courses in which the student has earned an "F"
  - Foundational courses
  - Workforce or Occupational courses
  - Recreation courses
  - Graduate Level courses
  - Life Experience
- The courses which have been transferred will appear with the credits listed and grades earned on the student's Alderson Broaddus University transcript. The grades will not be calculated into the Alderson Broaddus University grade point average.
- Alderson Broaddus University only provisionally accepts transfer credit from unaccredited colleges and universities. A student transferring from such an institution must earn a 2.00 cumulative GPA in twenty-four credits of work attempted at Alderson Broaddus University. After this is achieved the credit will be entered into the student's permanent record.
- Students transferring to Alderson Broaddus University with a Bachelor's Degree and are now pursuing a second bachelor's degree are not required to meet the University's Liberal Studies Program except for a course meeting Goal II-B-1 and Goal II-B-2.

### **Transfer Students' Graduation Requirements**

- To qualify for a bachelor's degree transfer students must complete the last thirty credits at Alderson Broaddus University. Individual programs may have additional requirements.
- Transfer students must complete at least eighteen credits at Alderson Broaddus University of the courses required in the academic program. Individual programs may have additional requirements.

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## **STUDENT ACADEMIC ACHIEVEMENT INFORMATION**

### **Grades, Quality Points and Cumulative Averages**

| <b><u>Grade</u></b> | <b><u>Quality Points</u></b> | <b><u>Grade Definitions</u></b>                                     |
|---------------------|------------------------------|---|
| A                   | 4                            | Superior work in the achievement of course requirements.            |
| B                   | 3                            | Good work in the achievement of course requirements.                |
| C                   | 2                            | Average work in the achievement of course requirements.             |
| D                   | 1                            | Poor work in the achievement of course requirements.                |
| F                   | 0                            | Unacceptable level of work; failure to achieve course requirements. |
| NF                  | 0                            | Failure to achieve course requirements by unofficial withdrawal     |
| I                   | 0                            | Incomplete  |
| W                   | 0                            | Withdrawn   |
| H                   | 0                            | Honor   |
| S                   | 0                            | Satisfactory  |
| U                   | 0                            | Unsatisfactory  |
| AU                  | 0                            | Audit, No credit earned   |

A cumulative GPA of at least 2.00 based on work taken at Alderson Broaddus University is required for graduation. Quality points are used to determine cumulative averages for academic standing, academic honors and graduation. The cumulative average is obtained by dividing the number of quality points earned by the number of semester hours attempted in those courses through which it is possible to earn quality points. Semester hours related to "H", "S", "U", and "W" grades are therefore disregarded in the computation of the average.

### **Incomplete Grades**

A mark of "I" (Incomplete) may be temporarily entered on a student's record for two reasons:

1. the student is unable to complete specific course requirements due to illness, personal emergency, or other circumstances beyond his/her control.

The following conditions must prevail:

- The student has maintained a passing grade during his period of attendance, which will generally include at least twelve weeks of the semester.
- The appropriate instructor files with the Provost/Executive Vice President for Academic Affairs a Request for an Incomplete form, which includes justification for the granting of the incomplete. (If approved, the request is attached to the grade sheet and delivered to the Registrar.)

- If the course work has not been completed and the final grade recorded by the end of the fourth week of the academic term immediately following, a grade of “F” will be entered on the official record unless an extension has been authorized by the Provost/Executive Vice President for Academic Affairs.
- 2. a specific course is designed so that the work is to be completed during the following semester or during the summer session. Examples of these courses include (but are not limited to) research courses, courses involving foreign travel, musical performances. The instructor will fill out and sign the final grade roster at the end of the semester indicating the grade of incomplete and will update the grade roster with the final grade as soon as the course is completed.

### **Course Repetition with Cancellation of Original Grade**

- A student may repeat a course in which a grade of “D” or “F” was originally earned. The best attempt is used for the computation of the cumulative average.
- If the course is taken a third time, best of the three attempts is used in the calculation of the cumulative average.
- The repetition(s) must occur at Alderson Broaddus University.
- Graduation credit will be allowed for only one offering of a repeated course

### **Student Classification**

Generally students are classified by the number of semester hours for which credit has been earned and/or accepted in transfer. In select programs, such as nursing or medical science, student classification may be determined by program level.

| <u>Class</u> | <u>Semester Hours</u> |
|--------------|-----------------------|
| Freshmen     | -30                   |
| Sophomore    | 31-60                 |
| Junior       | 61-90                 |
| Senior       | 91-                   |

A part-time student is one who is registered for less than twelve semester hours.

A non-degree student is one not working toward a degree.

An auditor is one who attends classes without working for credit.

### **Student Academic Standing**

A student's academic standing is determined by the Alderson Broaddus cumulative GPA in relation to the number of all attempted credit hours, using both AB and attempted credits which had been transferred to AB. To meet the minimum acceptable good-standing requirements, a student must attain the following cumulative average.

**Attempted Semester Hours**

1-23  
24-47  
48-71  
72+

**Cumulative Average**

1.60  
1.80  
1.90  
2.00

**Academic Probation, Suspension and Dismissal**

All decisions concerning academic probation, suspension, and dismissal are made by the Dean's Council, chaired by the Provost/Executive Vice President for Academic Affairs.

**Probation**

1. A student who does not attain the required cumulative average may be placed on academic probation for the following semester.
  - A probationary semester provides a warning but also an opportunity to bring the cumulative average up to the required standard.
  - During the probationary period, the student is limited to a 15 semester hour load.
  - The student must enroll in General Studies 010 during the first semester of the probationary period if the student has not already completed the course and still is of freshman standing.
  - Once placed on academic probation, the student continues in that category until the cumulative average is equal to or greater than that required for good standing.
  - A student who is on probation is considered not to be in good standing. Students on probation are not eligible to be certified for NCAA sports.
2. A transfer student whose admission to Alderson Broaddus University is on a probationary status (transfer GPA less than a 2.00) will be placed on academic suspension if he or she does not meet the conditions specified at the time of transcript evaluation. Usually the condition is that the student must have a 2.0 academic average at the conclusion of the first two full time semesters at Alderson Broaddus. During the probationary period, the student is limited to a 15 semester hour load.

**Suspension**

1. If following the probationary semester a student fails to achieve a semester average at least equal to that required for good standing, he or she will be placed on academic suspension for the following semester. Students who have been placed on academic suspension will be informed of the procedure for readmission following the suspension semester (readmission is not automatic).
2. Although the student may meet the minimum requirements of any of the foregoing, any student who, in the judgment of the Deans' Council, is still failing to make expected progress toward graduation may be subject to academic suspension.
3. In accordance with conditions stipulated in the official notice of

suspension, a student suspended for academic reasons can make written application to the Provost / Executive Vice President for Academic Affairs for readmission. The student's application will be reviewed by a special committee and the student may be required to appear before the committee (consisting of the following three persons or an authorized representative if a member is unable to attend: Provost / Executive Vice President of Academic Affairs, Dean of Students, and academic advisor for the student who is being interviewed) to present evidence of motivation and determination to succeed. The committee will decide whether the student is to be readmitted and whether any conditions of readmission should be stated in addition to the following:

- A student will have at least two semesters within which to attain good standing provided that within each post-suspension probationary semester the student demonstrates progress toward the cumulative average required for the number of credits attempted.
- When a readmitted student's cumulative average reaches the required good standing level, he or she is removed from academic probation. If, at some later time, that student's cumulative average again falls below the good standing level required in that semester, he or she will begin a new probationary period. A student who reaches the suspension point a second time will be dismissed from the University.

## Dismissal

Dismissal from the University follows the failure of a student to meet readmission conditions. A student so dismissed may not reapply.

## The Dean's List and the President's List

At the end of each semester students who have attained a semester average of 3.60 or above are named to the Dean's List if they have carried at least 12 semester hours. Students who attain a semester average of 3.40 to 3.59 and who meet the other specifications indicated above are given honorable mention. To be named to the President's List, a student must have been on the Dean's List at Alderson Broaddus for five semesters.

## Academic Awards

During the second semester, students who have demonstrated high academic achievement and who have made significant contributions to campus life are recognized at Honors Convocation. The following awards have been made available by the University and by organizations, alumni, and other friends:

**\*Graduating Senior Academic Award** for the highest cumulative average in the senior class who is graduating during the current commencement year.

**\*Senior Academic Award** for the highest cumulative average in the senior class who is not graduating during the current commencement year.

**\*Junior Academic Award** for the highest cumulative average in the junior class.

**\*Sophomore Academic Award** for the highest cumulative average in the sophomore class.

**\*Athletic Training Academic Award** to the senior with the highest average in athletic training.

**\*Business and Management Academic Award** to the senior with the highest average in business and management.

**\*Humanities and Social Sciences Academic Award** to the senior with the highest average in the humanities and social sciences.

**\*Music Academic Award** to the senior with the highest average in music education, music performance, and/or musical arts.

**\*Nursing Academic Award** to the senior with the highest average in nursing.

**\*Science, Technology, and Mathematics Academic Award** to the senior with the highest average in science, technology, and mathematics.

**\*Teacher Education Academic Award** to the senior in elementary or secondary education with the highest average in education.

**Alice T. Rosanski Award** to a junior with 3.0 GPA, 25 years of age or older, has children, great potential for quality and compassionate nursing care.

**Atkeson Memorial Award**, granted on the basis of academic achievement, personal integrity, and vocational potential to a sophomore or junior in elementary education.

**Charles L. Ervin Instrumental Music Award** for an instrumental music major who has made significant contributions to musical life of the University.

**Criminal Justice Achievement Award** for a graduating senior criminal justice major with the highest cumulative GPA. A minimum of 3.5 is required.

**Dr. A. R. Mansberger Award**, given by family and friends, to students going into the pastoral ministry.

**Dr. James W. Daddysman Award** to recognize an academically superior student participating in the Semester in Europe program.

**E. W. Billings Memorial Award**, granted on the basis of scholarship, leadership, and Christian commitment, to a student preparing for a church vocation.

**Epsilon Tau Sigma Alumni Academic and Citizenship Award**, a special recognition for a student who has been outstanding in citizenship, character, and sensitivity, as well as in scholarship and service.

**Forrest G. Clark Award** for the athlete in the senior class with the highest academic average.

**Greek Academic Achievement for Female Organizations**

**Greek Academic Achievement for Male Organizations**

**Vocal Music Award** for contribution through service and participation while maintaining good progress in the study of voice.

**Joan Wilson Award** for the outstanding senior woman who is preparing to teach in the areas of Health and Physical Education.

**Marija and George Sommer Piano Award** for a piano major

**Mass Communication Award** for outstanding achievement in communication.

**Nursing Alumni Association Award** for an outstanding senior nursing student who demonstrates high academic achievement, clinical competence and leadership potential.

**Rex E. Pyles Award** for the outstanding senior man who is preparing to teach in the areas of Health and Physical Education.



**Ruth Joudrey Smith Memorial Prize** to help make possible, for a qualified student, participation in the International Studies Program.

**Ruth Shearer Secondary Education Award**, for outstanding scholarship in education, coupled with high standards of character and leadership, in honor of a former member of the University faculty.

**Science, Technology, and Mathematics Research Award** for outstanding laboratory research in science, technology and mathematics.

**Sheikh Ahmed Chemistry Award** for a junior chemistry major with a high GPA and who has displayed leadership qualities in extracurricular activities.

**Studio Art Award** for outstanding achievement in the studio arts.

**W. Lee and Alberta Williams Music Award** for excellence in music.

The following awards are presented for outstanding papers:

**Business and Management Writing Award**

**Humanities and Social Sciences Writing Award**

**Louise Callison Humanities Writing Award**

**Nursing Writing Award**

**Science, Technology, and Mathematics Writing Award**

**Teacher Education Writing Award**

*\*To be eligible for any of the "highest average" awards, a student must have achieved at the beginning of the second semester a cumulative average, which meets the minimum standard for graduation honors (currently 3.40).*

**The Silver Key:** A junior and senior honor society. To be eligible for membership a student must have (1) earned a minimum of 60 semester hours of credit at Alderson Broaddus University and, at the beginning of the second semester a cumulative average of 3.60; (2) evidenced high qualities of character, both on and off the campus; and (3) made a significant contribution to University life through participation in student and campus activities.

**Who's Who Among Students in American Universities and Colleges:**

In order to be initially considered among seniors nominated by the University for inclusion in this annual publication, a student must have earned at least 60 semester hours of credit at Alderson Broaddus University, must project graduation during the current academic year and possess a cumulative GPA as of the beginning of the first semester which meets the minimum standard for graduation honors (currently 3.40). To a list of persons who meet these criteria, further standards are applied: (1) persons nominated must possess high qualities of personal character; (2) they must have demonstrated capacity for leadership on the campus; and (3) they must have been concerned to render service to the University.

# GRADUATION INFORMATION

An undergraduate student may earn the Bachelor of Arts, Bachelor of Music, Bachelor of Music Education, and Bachelor of Science in Nursing, Bachelor of Science, Associate in Arts, or Associate in Science degree.

The University will confer a second baccalaureate degree or a second associate's degree upon any student who has completed the stated requirements for the second degree, whether this is accomplished along with the completion of the first degree or at any later time. A "second degree" is interpreted to exclude more than one Bachelor of Arts, Bachelor of Science, Associate in Arts or Associate in Science degree from Alderson Broaddus University. The latter will instead be recorded as a second or additional major.

## Graduation Requirements

A student must file an Application for Degree with the Registrar's Office the semester before his or her last full semester.

- A degree will be conferred on a student only when all graduation requirements have been met and all financial obligations to the University have been met.
- In addition to the annual Commencement, degrees will be conferred at the end of the first semester and at the end of the summer term. The list of graduates prepared for the annual spring Commencement will include the names of those persons who graduated at the end of the first semester as well as those anticipating graduation the following August. Students whose graduation date is at the end of the first semester or at the end of the summer term that wish to participate in Commencement exercises must do so at the Commencement when their names are officially listed, as indicated above

## Bachelor's Degree

Students must meet the following requirements in order to graduate with a Bachelor of Arts or Bachelor of Science degree:

1. The Liberal Studies Program for bachelor degrees must be completed.
2. The specific requirements of the student's academic program must be completed with a minimum cumulative GPA of 2.00 in those courses.
3. A minimum of 120 semester hours must be earned with a cumulative GPA of at least 2.00 for all work attempted at the University.

### Notes:

- Requirements of a student's academic major may include a comprehensive exam and if so will be listed on the major's check sheet.
- Developmental courses do not count toward the 120 credits needed to graduate. These include *Language Skills*, *English as a Second Language*, *Basic Algebra*, *Reading Skills* and *Applied Learning Skill Development*. Three of these courses have had a name change and starting Fall 2016 will appear

as *Developmental English*, *Developmental Math*, and *Developmental Reading*.

- The last 30 semester hours must be taken in residence unless prior permission to do otherwise is granted by the Provost/Executive Vice President for Academic Affairs.
- The residency requirement for a specific major is determined by the appropriate college or school.
- Alderson Broaddus University will not issue a diploma or a transcript to any student until all financial obligations to the University are paid in full and the Financial Aid exit interview has been completed.

## Associate's Degree

Students who are working toward the Associate's degree should check the specific requirements for the program in which they are enrolled. All students seeking the Associate's degree must meet the following requirements:

1. The Liberal Studies Program for associate degrees must be completed.
2. The specific requirements of the student's academic program must be completed with a minimum cumulative GPA of 2.00 in those courses unless a higher GPA is a program requirement.
3. A minimum of 60 semester hours of college-level courses must be earned with a cumulative GPA of at least 2.00 for all work attempted at the University.
4. No more than four one-credit elective courses may be counted in the electives selected to meet graduation requirements.
5. Twenty of the last forty semester hours of a student's program must be taken under the auspices of Alderson Broaddus University.

Notes:

- Developmental or remedial courses do not count toward the required credits needed to graduate. These include *Language Skills*, *English as a Second Language*, *Basic Algebra*, *Reading Skills* and *Applied Learning Skill Development*. Three of these courses have had a name change and starting Fall 2016 will appear as *Developmental English*, *Developmental Math*, and *Developmental Reading*.
- Alderson Broaddus University will not issue a diploma or a transcript to any student until all financial obligations to the University are paid in full and the Financial Aid exit interview has been completed.

## Graduation Honors

Undergraduate students whose academic work has been of unusual distinction will be graduated with honors, based on their cumulative GPA as follows:

|                        |             |
|------------------------|-------------|
| <b>summa cum laude</b> | 3.9 to 4.00 |
| <b>magna cum laude</b> | 3.7 to 3.89 |
| <b>cum laude</b>       | 3.4 to 3.69 |

To be eligible for these graduation honors, a student must have completed at least 60 semester hours at the University.

# PROGRAMS OF STUDIES

## BACHELOR DEGREE PROGRAMS

### Accounting

leading to a Bachelor of Science Degree

**Required Courses:**

|            |     |     |                                      |
|------------|-----|-----|--------------------------------------|
| Business   | 120 | (3) | Introduction to Marketing            |
| Business   | 140 | (3) | Introductory Accounting I            |
| Business   | 150 | (3) | Introductory Accounting II           |
| Business   | 160 | (3) | Introduction to Management           |
| Business   | 250 | (3) | Business Ethics                      |
| Business   | 281 | (3) | Business Law I                       |
| Business   | 285 | (3) | Business Law II                      |
| Business   | 290 | (3) | International Business               |
| Business   | 320 | (3) | Business Finance                     |
| Business   | 550 | (3) | Strategic Management/Business Policy |
| Economics  | 201 | (3) | Macro-Economics*                     |
| Economics  | 211 | (3) | Micro-Economics                      |
| Psychology | 260 | (3) | Statistics and Data Analysis*        |

**PLUS THE FOLLOWING COURSES:**

|          |     |     |                                      |
|----------|-----|-----|--------------------------------------|
| Business | 260 | (3) | Intermediate Accounting I            |
| Business | 265 | (3) | Intermediate Accounting II           |
| Business | 300 | (3) | Cost Accounting                      |
| Business | 311 | (3) | Auditing I                           |
| Business | 315 | (3) | Auditing II                          |
| Business | 410 | (3) | Federal Income Tax I                 |
| Business | 415 | (3) | Federal Income Tax II                |
| Business | 420 | (3) | Advanced Accounting                  |
| Business | 425 | (3) | Government/Not for Profit Accounting |

**ADDITIONAL HOURS:** Students must be cognizant that 150 hours of coursework is required to sit for the CPA Examination. This may include taking a variety of additional courses to be selected as the student desires. Accounting advisors will insure students are aware of this 150 hour requirement and assist them to plan accordingly.

\*Indicates courses that also meet Liberal Studies requirements.

### Athletic Training

- Phasing Out
- No new students being admitted
- Information about the program at the end of Catalog (see page 183)

**Biology****leading to the Bachelor of Science Degree****Required Courses:**

|                 |     |     |                         |
|-----------------|-----|-----|-------------------------|
| Biology         | 210 | (4) | General Biology I*      |
| Biology         | 211 | (4) | General Biology II      |
| Biology         | 212 | (4) | Botany                  |
| Biology         | 240 | (4) | Microbiology            |
| Biology         | 341 | (4) | Genetics                |
| Biology         | 370 | (4) | Cell Biology            |
| Natural Science | 361 | (1) | Research Methods I      |
| Natural Science | 362 | (1) | Research Methods II     |
| Natural Science | 461 | (1) | Senior Research Project |

**PLUS One Course from the three following options:**

|                       |     |     |                                       |
|-----------------------|-----|-----|---------------------------------------|
| Biology               | 350 | (4) | General Physiology                    |
| Biology               | 360 | (4) | Ecology                               |
| Environmental Science | 210 | (4) | Introduction to Environmental Science |

**PLUS****One Systematics course to be chosen from the following:**

|         |     |     |                    |
|---------|-----|-----|--------------------|
| Biology | 354 | (4) | WV Flora           |
| Biology | 355 | (4) | Mammalogy          |
| Biology | 380 | (4) | Aquatic Entomology |
| Biology | 382 | (4) | Entomology         |
| Biology | 410 | (4) | Limnology          |
| Biology | 420 | (4) | Parasitology       |
| Biology | 455 | (4) | Ornithology        |
| Biology | 482 | (4) | Herpetology        |

**PLUS from 8 hours of elective BIOLOGY or ENVIRONMENTAL SCIENCE courses****PLUS all the following allied field courses:**

|             |     |     |                               |
|-------------|-----|-----|-------------------------------|
| Chemistry   | 200 | (4) | General Chemistry I           |
| Chemistry   | 210 | (4) | General Chemistry II          |
| Mathematics | 141 | (3) | Trigonometry* OR              |
|             |     |     | Mathematics 151 Pre-calculus  |
| Mathematics | 251 | (3) | Statistics OR Mathematics 261 |
|             |     |     | Statistics for Biologists     |

**PLUS one of the following option sets of courses:****Option 1:**

|           |     |     |                      |
|-----------|-----|-----|----------------------|
| Chemistry | 310 | (4) | Organic Chemistry I  |
| Chemistry | 311 | (4) | Organic Chemistry II |

**OR****Option 2:**

|           |     |     |                                 |
|-----------|-----|-----|---------------------------------|
| Chemistry | 300 | (4) | Principles of Organic Chemistry |
| Chemistry | 370 | (4) | Biochemistry                    |

**PLUS one of the following sets of courses:**

|           |     |     |                         |
|-----------|-----|-----|-------------------------|
| Physics   | 211 | (4) | Introduction to Physics |
| <b>OR</b> |     |     |                         |
| Physics   | 221 | (4) | General Physics I       |
| Physics   | 222 | (4) | General Physics II      |

**Among REQUIREMENTS FOR GRADUATION:**

- Completion of the Liberal Studies Program
- Foreign Language: not required, but handled on advisory basis.
- Student must have a 2.00 GPA in the major and successfully complete a research project.

\*Indicates courses that also meet Liberal Studies requirements

(Note: Students planning on applying to medical school will need a semester of calculus and two semesters of physics.)

**Business Administration**  
**leading to a Bachelor of Science Degree**

**Required Courses:**

|            |     |     |                                      |
|------------|-----|-----|--------------------------------------|
| Business   | 120 | (3) | Introduction to Marketing            |
| Business   | 140 | (3) | Introduction to Accounting I         |
| Business   | 150 | (3) | Introduction to Accounting II        |
| Business   | 160 | (3) | Introduction to Management           |
| Business   | 250 | (3) | Ethics in Business                   |
| Business   | 281 | (3) | Business Law I                       |
| Business   | 285 | (3) | Business Law II                      |
| Business   | 290 | (3) | International Business               |
| Business   | 320 | (3) | Business Finance                     |
| Business   | 550 | (3) | Strategic Management/Business Policy |
| Economics  | 201 | (3) | Macro-Economics*                     |
| Economics  | 211 | (3) | Micro-Economics                      |
| Psychology | 260 | (3) | Statistics and Data Analysis*        |

**PLUS THE FOLLOWING COURSES:**

|           |     |     |                           |
|-----------|-----|-----|---------------------------|
| Business  | 235 | (3) | Human Resource Management |
| Business  | 300 | (3) | Cost Accounting           |
| Business  | 345 | (3) | Marketing Research        |
| Economics | 280 | (3) | Money and Banking         |

**PLUS ONE OF THE FOLLOWING COURSES:**

|          |     |     |                       |
|----------|-----|-----|-----------------------|
| Business | 275 | (3) | Operations Management |
| Business | 355 | (3) | Management Science    |

**PLUS ONE COURSE:** Chosen from any business or economic course offering (cannot be double-counted toward another business major):

**FOREIGN LANGUAGE/FOREIGN STUDIES:** It is recommended that students take one semester of International Studies to fulfill this requirement. Otherwise two semesters of a foreign language (refer to foreign language placement requirements) or an independent foreign studies project is required.

**Among REQUIREMENTS FOR GRADUATION:** Completion of the Liberal Studies Program. The student must have a 2.00 GPA in the major and must pass a comprehensive examination.

\*Indicates courses that also meet Liberal Studies requirements.

**Chemistry**leading to the Bachelor of Science Degree**Required Courses:**

|                  |     |     |   |
|------------------|-----|-----|---|
| Chemistry        | 200 | (4) | General Chemistry I*                        |
| Chemistry        | 210 | (4) | General Chemistry II                        |
| Chemistry        | 215 | (4) | Inorganic Chemistry                         |
| Chemistry        | 250 | (4) | Analytical & Instrumental Methods           |
| Chemistry        | 310 | (4) | Organic Chemistry I                         |
| Chemistry        | 311 | (4) | Organic Chemistry II                        |
| Chemistry        | 315 | (4) | Physical Chemistry                          |
| Chemistry        | 350 | (4) | Instrumental Analysis & Design              |
| Chemistry        | 305 | (4) | Principles of Biochemistry OR Chemistry 370 |
|                  |     | (4) | Biochemistry                                |
| Computer Science | 134 | (3) | Introduction to Computers*                  |
| Mathematics      | 141 | (3) | Trigonometry*                               |
| Mathematics      | 151 | (3) | Pre-Calculus                                |
| Mathematics      | 231 | (4) | Calculus I                                  |
| Mathematics      | 251 | (3) | Statistics                                  |
| Natural Science  | 361 | (1) | Research Methods I                          |
| Natural Science  | 362 | (1) | Research Methods II                         |
| Natural Science  | 461 | (1) | Senior Research Project                     |
| Physics          | 221 | (4) | General Physics I                           |
| Physics          | 222 | (4) | General Physics II                          |

PLUS: An Elective Minor (minimum 14 semester hours) to be approved by the advisor and the dean of the College of Science, Technology, and Mathematics as contributing to the student's career goals.

FOREIGN LANGUAGE: Not required, but at least one semester of German is recommended for students anticipating graduate study in chemistry.

Among REQUIREMENTS FOR GRADUATION: Completion of the Liberal Studies Program. The student must have a 2.00 GPA in the major and successfully complete a research project.

\*Indicates courses that also meet Liberal Studies requirements.

**Computer Science**leading to a Bachelor of Science Degree**Required Courses:**

|                  |     |     |   |
|------------------|-----|-----|---|
| Computer Science | 110 | (4) | Introduction to Computer Science*           |
| Computer Science | 120 | (4) | Introduction to Object-Oriented Programming |
| Computer Science | 210 | (3) | Fundamental Software Design                 |
| Computer Science | 220 | (3) | Software Engineering                        |
| Computer Science | 230 | (3) | Computer Organization and Architecture      |
| Computer Science | 240 | (3) | Web and Mobile Application Development      |
| Computer Science | 315 | (3) | Theory of Computation                       |
| Computer Science | 320 | (3) | Operating Systems                           |
| Computer Science | 330 | (3) | Data Structures and Algorithms              |
| Computer Science | 340 | (3) | Database Management Systems                 |
| Computer Science | 355 | (3) | Computer Networks                           |

|  |     |     |   |
|--|-----|-----|---|
| Computer Science                       | 490 | (1) | Senior Design Seminar                     |
| Computer Science                       | 491 | (2) | Senior Design                             |
| Mathematics                            | 166 | (3) | Discrete Mathematics I                    |
| Mathematics                            | 167 | (4) | Discrete Mathematics I                    |
| Mathematics                            | 231 | (4) | Calculus I                                |
| Mathematics                            | 251 | (3) | Statistics                                |
| PLUS three courses from the following: |     |     |   |
| Computer Science                       | 400 | (3) | Special Topics in Computer Science        |
| Computer Science                       | 410 | (3) | Programming Languages and Compiler Theory |
| Computer Science                       | 420 | (3) | Computer Graphics                         |
| Computer Science                       | 430 | (3) | Information Assurance and Security        |
| Computer Science                       | 440 | (3) | Distributed Computing                     |
| Computer Science                       | 450 | (3) | Artificial Intelligence                   |

Among REQUIREMENTS FOR GRADUATION: Completion of the Liberal Studies Program. The student must have a 2.00 GPA in the major.

## **Criminal Justice**

leading to a Bachelor of Arts Degree

Required Courses:

### **REQUIRED:**

|                   |     |     |                                       |
|-------------------|-----|-----|---------------------------------------|
| Criminal Justice  | 200 | (3) | Introduction to Criminal Justice      |
| Criminal Justice  | 210 | (3) | Crime and Deviant Behavior            |
| Criminal Justice  | 300 | (3) | Law Enforcement and Police Operations |
| Criminal Justice  | 320 | (3) | Correctional Systems                  |
| Criminal Justice  | 340 | (3) | Principles of Criminal Law            |
| Criminal Justice  | 390 | (3) | Special Topics in Criminal Justice    |
| Criminal Justice  | 400 | (3) | Criminal Investigations               |
| Criminal Justice  | 410 | (3) | Ethics in Criminal Justice            |
| Criminal Justice  | 450 | (3) | Criminal Courts and Procedures        |
| Criminal Justice  | 500 | (3) | Field Practicum in Criminal Justice   |
| Criminal Justice  | 550 | (3) | Seminar in Criminal Justice           |
| Political Science | 200 | (3) | American National Government *        |
| Political Science | 210 | (3) | State and Local Government            |
| Political Science | 310 | (3) | Constitutional Law                    |
| Psychology        | 260 | (3) | Statistics and Data Analysis*         |
| Psychology        | 400 | (3) | Social Psychology                     |
| Psychology        | 420 | (3) | Abnormal Psychology                   |
| Sociology         | 190 | (3) | Introduction to Sociology*            |
| Sociology         | 240 | (3) | Social Problems                       |
| Sociology         | 350 | (3) | Criminology                           |
| Spanish           | 110 | (3) | Elementary Spanish I                  |
| Spanish           | 111 | (3) | Elementary Spanish II                 |
| Spanish           | 220 | (3) | Intermediate Spanish I                |
| Spanish           | 221 | (3) | Intermediate Spanish II               |

Among REQUIREMENTS FOR GRADUATION: Completion of the Liberal Studies Program. The student must have a 2.00 GPA in the major and must pass a comprehensive examination.

\*Indicates courses that also meet Liberal Studies requirements.



## Teacher Education

Students in teacher education earn a bachelor's degree and are eligible for certification to teach in West Virginia and other states as arranged through reciprocity by the West Virginia Department of Education (WVDE). All teacher education programs are approved by the West Virginia Department of Education and are accredited by the Teacher Education Accreditation Council (TEAC).

- The School of Teacher Education offers teaching specializations in
  - Elementary Education K-6,
  - Secondary Education 5-Adult
  - Music Education
  - Physical Education.
- Elementary Education results in a K-6 certification. Additional fields in Multicategorical K-Adult are available as endorsements to the Elementary K-6 program and are also available as second fields to Secondary content specializations.
- Secondary Education has the specializations in Social Studies 5-Adult and Mathematics 5-Adult, as well as specializations in Social Studies 5-9 and Mathematics 5-9 which may be added to the elementary or secondary certification.
- In addition, PreK-Adult specializations include Physical Education PreK-Adult, Health Education PreK-Adult, and Music PreK-Adult. School Nurse PreK-Adult is also a specialization available for licensure through Alderson Broaddus University.
- All students in teacher education programs must take a practice Core Academic Skills for Educators (CORE) during freshman orientation. Students are required by the state of West Virginia to pass the official CORE basic skills competency test offered by Educational Test Service (ETS). CORE must be attempted, but not necessarily passed, and may be retaken multiple times at the student's expense. Remediation assistance is available Academic Center for Educational Success, the new student achievement office. Students will not be formally admitted to Teacher Education Program (TEP) until CORE is passed. Students will not be enrolled in EDUC 260 until they have attempted, but not necessarily passed, CORE. Exemptions from taking CORE occur under the following conditions:
  - Candidate has attained a score of 25 on ACT prior to November 1989
  - Candidate has attained a score of 26 on the Enhanced ACT beginning November 1989
  - Candidate has attained a score of 1035 on SAT prior to April 1995
  - Candidate has attained a re-centered SAT score of 1125 beginning April 1995
  - Candidate has a SAT combined Critical Reading and Math score of 1170 beginning March 2005

- Education students must:
  - be officially admitted to the Teacher Education Program prior to taking content specific education methods courses and professional education methods courses 300 level and higher before student teaching clinical experience during the senior year;
  - maintain a 3.0 GPA overall and in content specialty
  - maintain a 2.5 GPA professional education studies
  - must earn a minimum of a "C" in all Professional Education courses
- In order to be certified as a teacher in the state of WV:
  - students must pass (or be exempt from) the ETS Praxis Series-- CORE, the Praxis II Content tests; the Principles of Learning and Teaching Examination (PLT);
  - complete student teaching with grade of C or better
  - receive a bachelor's degree
  - pass a certified background check as required by the WV Department of Education
  - complete application requirements for certification
- Programs are coordinated within the School of Teacher Education in collaboration with respective schools where the discipline is housed.

### **Requirements to Be Formally Admitted To Teacher Education Program (TEP)**

Students must achieve full admission prior to taking education methods courses. Newly enrolled students of Alderson Broaddus University may request formal admission to the Teacher Education Program once requirements for entry to program checklist are met and verified.

A student must be admitted once criteria for the entry to program checklist are met prior to taking any content specific education methods and professional education methods courses 300 level and higher. Before a student may make application for admission into Teacher Education, the following requirements must be met:

#### **For Full Admission**

1. Completion of at least twenty-eight (28) semester hours
2. Minimum of 3.0 GPA on all work attempted (including all credit taken elsewhere) (Effective Date: Fall 2014 for new student enrollees.
3. Minimum of 2.5 GPA in each content specialty area
4. Minimum of 2.5 GPA in professional education
5. Minimum of 2.0 GPA in Liberal Studies
6. Passed all pre-professional skills components; that is,
  - ETS Core Academic Skills for Educators (CASE) Pre-professional Skills Test (CORE) at appropriate cut-off score
  - Successful completion of Communication 130
  - Passed Education 220 and Education 260 with a grade of "C" earned in each course.
7. Completion of the application form, which includes two essays relevant to your plans to enter the profession of teaching. Application must be signed by student and the academic advisor.
8. Completion of a mini-portfolio, consisting of five or six items documenting mastery of specific skills necessary at this level of the program. Portfolios will be

reviewed by faculty members using a set of rubric standards.

9. Receipt of TEP reference forms from three faculty members at the University, including your content specialty advisor and at least one professional education faculty member.
10. Meet the criteria of personal dispositions and technical standards determined to be necessary for successful performance in teaching as indicated on the reference forms
11. Open enrollment will be held through the academic calendar year. Candidates for admission to TEP will meet with teacher education faculty, content faculty to review and verify that the checklist criteria are met.

### **Requirements for Student Teaching**

Criteria for Admission to Student Teaching must be met the semester before student teaching:

1. Minimum 2.5 GPA in each content specialty area
2. Minimum 2.5 GPA in professional education
3. Minimum 3.0 GPA overall, including all credit taken elsewhere. EFFECTIVE: Fall 2014 Enrollees to College of Education
4. Minimum 2.0 in Liberal Studies
5. Completion of all content specialty courses prior to student teaching, unless the specialty area advisor and the School of Teacher Education chairperson approve otherwise, with disclosure to the county school board contact.
6. At least a "C" in all Professional Education classes. A limit of two attempts per class to meet the "C" requirement with additional considerations to be approved by the School of Education Chair or Dean.
7. Complete background and fingerprint checks plus forms to apply for and receive permit from WVDE

### **Requirements for Graduation**

Graduation and being recommended for West Virginia Certification from Alderson Broaddus University are not the same. Graduation criteria are:

1. Minimum 2.5 GPA in each content specialty area. EFFECTIVE: Fall 2014 Enrollees to College of Education
2. Minimum 2.00 GPA in Liberal Studies
3. Minimum 2.5 GPA in the professional education, including student teaching
4. Minimum 2.5 GPA overall, including all credit taken elsewhere
5. Attempted the appropriate Praxis II Content Specialization Test(s) and Principles of Learning and Teaching
6. Minimum of "C" in Student Teaching

### **Requirements to Be Certified in West Virginia and be considered a "Program-Completer"**

Certification requirements are:

1. Minimum 2.5 GPA in each content specialty area
2. Minimum 2.00 in Liberal Studies
3. Minimum 2.5 GPA in professional education, including student teaching
4. Minimum 3.0 GPA overall, including all credit taken elsewhere. EFFECTIVE: Fall 2014 Enrollees to College of Education
5. Minimum of "C" in Student Teaching
6. Successfully passed the appropriate Praxis II Content Specialization Test(s) at passing scores and Principles of Learning and Teaching

It is possible for a student to graduate with a degree in Education from Alderson Broaddus University and not be able to become certified in West Virginia or be considered a program-completer.

## **Elementary Education**

### **Elementary Education K-6 Teaching Specialization**

leading to Bachelor of Arts degree

Required Courses: Minimum of 2.5 GPA in these courses and Pass all with a "C" or better

#### Social Sciences:

|                   |     |     |  |
|-------------------|-----|-----|--|
| Geography         | 200 | (3) | Principles of Physical & Human Geography |
| History           | 200 | (3) | History of the United States to 1877*    |
| History           | 210 | (3) | History of the United States since 1877* |
| Political Science | 200 | (3) | American National Government*            |
| Sociology         | 190 | (3) | Introduction to Sociology*               |
| Sociology         | 230 | (3) | Appalachian Studies                      |
| Sociology         | 320 | (3) | Minorities                               |

#### Mathematics:

|             |     |     |                             |
|-------------|-----|-----|-----------------------------|
| Mathematics | 113 | (3) | College Algebra             |
| Mathematics | 221 | (3) | Mathematics for Teachers I  |
| Mathematics | 222 | (3) | Mathematics for Teachers II |

#### Sciences:

|                       |     |     |                                       |
|-----------------------|-----|-----|---------------------------------------|
| Environmental Science | 210 | (4) | Environmental Science I               |
| Natural Science       | 190 | (4) | Rocks, Stars, Weather                 |
| Natural Science       | 185 | (4) | General Science, Science and Society* |

#### Special Content Courses:

|                    |     |     |   |
|--------------------|-----|-----|---|
| Art                | 245 | (2) | Theory and Methods of Art Education     |
| Health Education   | 350 | (2) | School Health & School Health Programs* |
| Music Education    | 200 | (3) | Music for Classroom Teachers*           |
| Physical Education | 220 | (2) | Elementary Physical Education           |

#### Content Specific Methods Courses: (2.5 GPA required)

|           |     |     |  |
|-----------|-----|-----|--|
| Education | 304 | (3) | Teaching Mathematics in Elementary School    |
| Education | 305 | (3) | Sciences in the Elementary School            |
| Education | 342 | (3) | Social Studies in the Elementary School      |
| Reading   | 320 | (3) | Reading in the Elementary School             |
| Reading   | 322 | (3) | Language Arts in the Elementary School       |
| Reading   | 450 | (3) | Corrective Techniques in Reading Instruction |

PLUS

#### The Professional Education requirements (2.5 GPA required)

|                   |     |      |   |
|-------------------|-----|------|---|
| Education         | 190 | (3)  | 21st Century Learning Tools: Computer Skills for Teachers*                        |
| Education         | 220 | (3)  | Foundations of Education in a Multi-Cultural Society                              |
| Education         | 260 | (3)  | Psychological Foundations and Development in Early Childhood through Adolescence* |
| Education         | 388 | (3)  | Methods, Assessment and Management  |
| Special Education | 200 | (3)  | Areas of Exceptionality in Special Education                                      |
| Special Education | 340 | (3)  | Creating Inclusive Classrooms: Strategies for Teachers                            |
| Education         | 500 | (12) | Student Teaching  |
| Education         | 550 | (1)  | Seminar in the Philosophy of Teaching   |

Among REQUIREMENTS FOR GRADUATION - completion of the Liberal Studies Program

\*Indicates courses that meet Liberal Studies

Students may choose a second teaching specialization to be coupled with Elementary K-6 from the following, which are currently offered by the College.

Mathematics, Grades 5-9

Social Studies, Grades 5-9

Special Education - Multicategorical, Grades K-6

### **Mathematics 5-9 Teaching Specialization**

*Must be coupled with elementary education*

Required Courses:

|                 |     |     |                                      |
|-----------------|-----|-----|--------------------------------------|
| Mathematics     | 113 | (3) | College Algebra                      |
| Mathematics     | 151 | (3) | Pre-Calculus                         |
| Mathematics     | 166 | (3) | Discrete Mathematics I               |
| Mathematics     | 167 | (3) | Discrete Mathematics II              |
| Mathematics     | 251 | (3) | Statistics                           |
| Mathematics     | 312 | (3) | Algebraic Structures                 |
| Mathematics     | 371 | (3) | Principles of Geometry               |
| Natural Science | 185 | (4) | General Science, Science and Society |

PLUS

Professional Education Requirements for Secondary Education

**OR**

Professional Education Requirements for K-6 Elementary Education

PLUS

|           |     |     |  |
|-----------|-----|-----|--|
| Education | 320 | (3) | Middle School: Design and Issues         |
| Education | 322 | (1) | Mathematics Methods - Grade 5-9 Learners |
| Education | 329 | (1) | Lab – Middle Childhood (5-9) Level       |

\*Indicates courses that also meet Liberal Studies requirements.

### **Social Studies 5-9 Teaching Specialization**

*Must be coupled with another elementary education*

Required Courses:

|                   |     |     |  |
|-------------------|-----|-----|--|
| Economics         | 201 | (3) | Macro-Economics                            |
| Geography         | 200 | (3) | Principles of Physical and Human Geography |
| Geography         | 300 | (3) | World Geography                            |
| History           | 150 | (3) | World History to 1500                      |
| History           | 160 | (3) | World History 1500 to Present              |
| History           | 200 | (3) | History of United States to 1877           |
| History           | 210 | (3) | History of United States Since 1877        |
| Political Science | 200 | (3) | American National Government               |
| Sociology         | 230 | (3) | Appalachian Studies                        |

PLUS ONE from the following:

|                   |     |     |                                       |
|-------------------|-----|-----|---------------------------------------|
| History           | 400 | (3) | The United States in the 20th Century |
| History           | 410 | (3) | United States Diplomatic History      |
| Political Science | 330 | (3) | International Relations               |

PLUS ONE from the following:

|               |     |     |                             |
|---------------|-----|-----|-----------------------------|
| Psychology    | 400 | (3) | Social Psychology           |
| Communication | 150 | (3) | Interpersonal Communication |
| Sociology     | 240 | (3) | Social Problems             |

PLUS

Professional education requirements for Secondary Education

Or

Professional education requirements for Elementary Education

**PLUS:**

|           |     |     |   |
|-----------|-----|-----|---|
| Education | 320 | (1) | Middle Schools: Design and Issues           |
| Education | 325 | (1) | Social Studies Methods - Grade 5-9 Learners |
| Education | 329 | (1) | Lab – Middle Childhood (5-9 Level)          |

\*Indicates courses that also meet Liberal Studies requirement

**Special Education****Multicategorical Special Education K-6 Teaching Specialization**

*Must be coupled with Elementary K-6 Specialization*

**Required Courses:**

|                   |     |     |   |
|-------------------|-----|-----|---|
| Special Education | 200 | (3) | Areas of Exceptionality in Special Education                |
| Special Education | 290 | (3) | Introduction to Specific Learning Disabilities              |
| Special Education | 300 | (3) | Education of the Intellectually Disabled                    |
| Special Education | 310 | (3) | Diagnosis, Prescription, and Assessment Techniques          |
| Special Education | 320 | (3) | Introduction to Behavior Disorders                          |
| Special Education | 330 | (3) | Behavior Management   |
| Special Education | 340 | (3) | Creating Inclusive Classrooms: Strategies for Teachers      |
| Special Education | 350 | (3) | Instructional Strategies: Mild-Moderate Handicap Conditions |
| Special Education | 400 | (3) | Applied Practicum in Special Education                      |

**Secondary Education**

leading to a Bachelor of Arts or a Bachelor of Science Degree

**Mathematics 5-Adult Teaching Specialization****Required Courses:**

|                  |     |     |   |
|------------------|-----|-----|---|
| Computer Science | 110 | (4) | Introduction to Computer Science            |
| Computer Science | 120 | (4) | Introduction to Object Oriented Programming |
| Mathematics      | 113 | (3) | College Algebra*                            |
| Mathematics      | 141 | (3) | Trigonometry                                |
| Mathematics      | 151 | (3) | Pre-Calculus                                |
| Mathematics      | 166 | (3) | Discrete Mathematics I                      |
| Mathematics      | 167 | (3) | Discrete Mathematics II                     |
| Mathematics      | 231 | (4) | Calculus I                                  |
| Mathematics      | 232 | (4) | Calculus II                                 |
| Mathematics      | 251 | (3) | Statistics                                  |
| Mathematics      | 312 | (3) | Algebraic Structures                        |
| Mathematics      | 315 | (3) | Linear Algebra                              |
| Mathematics      | 333 | (4) | Advanced Calculus                           |
| Mathematics      | 371 | (3) | Principles of Geometry                      |
| Physics          | 211 | (4) | Introduction to Physics*                    |
| Natural Science  | 361 | (1) | Research Methods I                          |
| Natural Science  | 362 | (1) | Research Methods II                         |
| Natural Science  | 461 | (1) | Senior Research Project                     |

**PLUS**

Professional education requirements for Secondary Education

|           |     |     |  |
|-----------|-----|-----|--|
| Education | 190 | (3) | 21st Century Learning Tools: Computer Skills for Teachers* |
|-----------|-----|-----|--|

|                   |     |      |   |
|-------------------|-----|------|---|
| Education         | 220 | (3)  | Foundations of Education in a Multi-Cultural Society                              |
| Education         | 260 | (3)  | Psychological Foundations and Development in Early Childhood through Adolescence* |
| Education         | 320 | (3)  | Middle School: Design and Issues  |
| Education         | 322 | (1)  | Mathematics Methods-Grade 5-9 Learners  |
| Education         | 329 | (1)  | Lab – Middle Childhood (5-9) Levels   |
| Education         | 388 | (3)  | Methods, Assessment, Management   |
| Education         | 332 | (1)  | Mathematics Methods: Grade 9-Adult Learners                                       |
| Reading           | 300 | (3)  | Reading in the Secondary Schools  |
| Special Education | 200 | (3)  | Areas of Exceptionality in Special Education                                      |
| Special Education | 340 | (3)  | Creating Inclusive Classrooms: Strategies for Teachers                            |
| Education         | 500 | (12) | Student Teaching  |
| Education         | 550 | (1)  | Seminar in the Philosophy of Teaching   |

Among REQUIREMENTS FOR GRADUATION - completion of the Liberal Studies Program

\*Indicates courses that also meet Liberal Studies requirements.

### **Social Studies 5-Adult Teaching Specialization:**

Required Courses:

|                   |     |     |  |
|-------------------|-----|-----|--|
| Economics         | 201 | (3) | Introduction to Macroeconomics*            |
| Economics         | 211 | (3) | Introduction to Microeconomics             |
| Geography         | 200 | (3) | Principles of Physical and Human Geography |
| Geography         | 300 | (3) | World Geography                            |
| History           | 150 | (3) | World History to 1500                      |
| History           | 160 | (3) | World History 1500 to Present              |
| History           | 200 | (3) | History of the United States to 1877       |
| History           | 210 | (3) | History of United States Since 1877        |
| History           | 400 | (3) | The United States in the 20th Century      |
| History           | 410 | (3) | United States Diplomatic History           |
| History           | 510 | (3) | Seminar in History and Political Science   |
| Political Science | 200 | (3) | American National Government               |
| Political Science | 210 | (3) | State & Local Government                   |
| Psychology        | 190 | (3) | General Psychology*                        |
| Psychology        | 400 | (3) | Social Psychology                          |

PLUS ONE course from the following:

|         |     |     |                                       |
|---------|-----|-----|---------------------------------------|
| History | 340 | (3) | Europe in the 17th and 18th Centuries |
| History | 420 | (3) | Europe in the 19th and 20th Centuries |

PLUS ONE course from the following:

|           |     |     |                 |
|-----------|-----|-----|-----------------|
| Sociology | 240 | (3) | Social Problems |
| Sociology | 320 | (3) | Minorities      |

PLUS

Professional Education requirements for all secondary teaching specializations:

|           |     |     |   |
|-----------|-----|-----|---|
| Education | 190 | (3) | 21st Century Learning Tools: Computer Skills for Teachers*                        |
| Education | 220 | (3) | Foundations of Education in a Multi-Cultural Society                              |
| Education | 260 | (3) | Psychological Foundations and Development in Early Childhood through Adolescence* |

|                   |     |      |  |
|-------------------|-----|------|--|
| Education         | 325 | (1)  | Social Studies Methods - Grade 5-9 Learners            |
| Education         | 329 | (1)  | Lab – Middle Childhood (5-9 Level)                     |
| Education         | 388 | (3)  | Methods, Assessment, Management                        |
| Education         | 335 | (1)  | Social Studies Methods: Grade 9-Adult Learners         |
| Reading           | 300 | (3)  | Reading in the Secondary Schools                       |
| Special Education | 200 | (3)  | Areas of Exceptionality in Special Education           |
| Special Education | 340 | (3)  | Creating Inclusive Classrooms: Strategies for Teachers |
| Education         | 500 | (12) | Student Teaching                                       |
| Education         | 550 | (1)  | Seminar in the Philosophy of Teaching                  |

Among REQUIREMENTS FOR GRADUATION - completion of the Liberal Studies Program

\*Indicates courses that also meet Liberal Studies requirements.

### **Special Education**

#### **Multicategorical 5-Adult Teaching Specialization:**

Must be coupled with a Secondary Program specialization

Required Courses:

|                   |     |     |   |
|-------------------|-----|-----|---|
| Mathematics       | 221 | (3) | Mathematics for Teachers I                                  |
| Mathematics       | 222 | (3) | Mathematics for Teachers II                                 |
| Reading           | 300 | (3) | Reading in the Secondary School                             |
| Reading           | 330 | (4) | Reading for the Secondary and K-Adult Special               |
| Reading           | 450 | (3) | Corrective Techniques in Reading Instruction                |
| Special Education | 200 | (3) | Areas of Exceptionality in Special Education                |
| Special Education | 290 | (3) | Introduction to Specific Learning Disabilities              |
| Special Education | 300 | (3) | Education of the Intellectually Disabled                    |
| Special Education | 310 | (3) | Diagnosis, Prescription, and Assessment Techniques          |
| Special Education | 320 | (3) | Introduction to Behavior Disorders                          |
| Special Education | 330 | (3) | Behavior Management   |
| Special Education | 340 | (3) | Creating Inclusive Classrooms: Strategies for Teachers      |
| Special Education | 350 | (3) | Instructional Strategies: Mild-Moderate Handicap Conditions |
| Special Education | 400 | (3) | Applied Practicum in Special Education                      |

Education Programs in dormancy

Elementary Education – English 5-9 and General Science 5-9

Secondary Education – Biology 5-adult, Chemistry 5-adult, English 5-9 English 5-adult, general science 5-adult, social studies 5-9.



leading to a Bachelor of Science Degree

|                       |     |     |  |
|-----------------------|-----|-----|--|
| Biology               | 210 | (4) | General Biology I                                      |
| Biology               | 211 | (4) | General Biology II                                     |
| Biology               | 212 | (4) | Botany   |
| Chemistry             | 200 | (4) | General Chemistry I*                                   |
| Chemistry             | 210 | (4) | General Chemistry II                                   |
| Environmental Science | 210 | (4) | Environmental Science                                  |
| Environmental Science | 335 | (3) | Watershed Hydrology or Geology 350 (3)<br>Hydrogeology |
| Environmental Science | 340 | (3) | Environmental Policy & Regulation                      |
| Environmental Science | 350 | (3) | Applied Environmental Regulation                       |
| Environmental Science | 356 | (4) | Introduction to GIS                                    |
| Environmental Science | 420 | (4) | Wetlands Ecology and Regulations                       |
| Geology               | 190 | (4) | Introduction to Geology                                |
| Mathematics           | 141 | (3) | Trigonometry* or Mathematics 231                       |
|                       |     | (4) | Calculus I   |
| Mathematics           | 261 | (3) | Statistics for Biologists                              |
| Natural Science       | 361 | (1) | Research Methods I                                     |
| Natural Science       | 362 | (1) | Research Methods II                                    |
| Natural Science       | 461 | (1) | Senior Research Project                                |
| Physics               | 211 | (4) | Introduction to Physics                                |
| OR                    |     |     |  |
| Physics               | 221 | (4) | General Physics I <b>and</b>                           |
|                       | 222 | (4) | General Physics II                                     |

Total Credits for Environmental Science BS 79 or 84

Among the REQUIREMENTS FOR GRADUATION, the student must have a 2.0 GPA in the major and successfully complete a research project. An internship with an approved business, agency or other organization involved in environmental work is strongly recommended.

## Applied Environmental Science Concentration

|                       |     |     |  |
|-----------------------|-----|-----|--|
| Biology               | 360 | (4) | Ecology                                    |
| Chemistry             | 303 | (4) | Environmental and Toxicological Chemistry* |
| Environmental Science | 330 | (3) | Environmental Engineering *                |
| Environmental Science | 335 | (3) | Watershed Hydrology                        |
| Environmental Science | 405 | (4) | Applied Remote Sensing                     |

|                       |     |     |                              |
|-----------------------|-----|-----|------------------------------|
| Environmental Science | 430 | (3) | Environmental Risk Analysis* |
| Environmental Science | 465 | (4) | Advanced GIS                 |
| Environmental Science | 550 | (1) | Seminar                      |
| Geology               | 350 | (3) | Hydrogeology                 |

Total Credits for Concentration = minimum of 20

**\* = courses required for the Applied Environmental Science Concentration**

**Exercise Science**  
leading to a Bachelor of Science Degree

**CORE REQUIRED:**

|                         |       |     |  |
|-------------------------|-------|-----|--|
| Biology                 | 210   | (4) | General Biology*                             |
| Biology                 | 270   | (4) | Anatomy and Physiology I                     |
| Biology                 | 271   | (4) | Anatomy and Physiology II                    |
| Exercise Science        | 250   | (3) | Orthopedic Evaluation of the Lower Extremity |
| Exercise Science        | 260   | (3) | Orthopedic Evaluation of the Upper Extremity |
| Exercise Science        | 305   | (3) | Kinesiology/Biomechanics                     |
| Exercise Science        | 370   | (3) | Rehabilitation of Ortho Injuries             |
| Exercise Science        | 400   | (3) | Sport Medicine                               |
| Exercise Science        | 420   | (3) | EBP Research in Healthcare                   |
| Exercise Science        | 450   | (3) | Internship in Exercise Science               |
| Health Science          | 260   | (3) | Nutrition                                    |
| Mathematics/Psychology† | _____ | (3) | Statistics                                   |
| Psychology              | 190   | (3) | General Psychology*                          |
| Psychology              | 220   | (3) | Human Development                            |

† Students may choose between MATH 251 Statistics, MATH 261 Environmental & Ecological Statistics or PSYC 260 Statistics and Data Analysis based on the requirements of their intended graduate program.

**CONCENTRATION REQUIREMENTS:**

**Athletic Training**

|                    |     |     |                                |
|--------------------|-----|-----|--------------------------------|
| Biology            | 111 | (3) | Human Biology                  |
| Chemistry          | 190 | (4) | Introduction to Chemistry      |
| Exercise Science   | 150 | (1) | Taping and Bracing             |
| Exercise Science   | 270 | (3) | Injury Control and Management  |
| Exercise Science   | 315 | (3) | Physiology of Exercise         |
| Health Education   | 250 | (3) | Personal Health                |
| Health Science     | 261 | (1) | Strength and Conditioning      |
| Physical Education | 335 | (2) | Safety Education and First Aid |
| Physics            | 211 | (4) | Intro to Physics               |

**Physical Therapy**

|                  |     |     |                        |
|------------------|-----|-----|------------------------|
| Biology          | 211 | (4) | General Biology II     |
| Chemistry        | 200 | (4) | General Chemistry I    |
| Chemistry        | 210 | (4) | General Chemistry II   |
| Exercise Science | 315 | (3) | Physiology of Exercise |
| Mathematics      | 141 | (3) | Trigonometry*          |
| Physics          | 221 | (4) | General Physics I      |
| Physics          | 222 | (4) | General Physics II     |

**Occupational Therapy**

|                |     |     |                         |
|----------------|-----|-----|-------------------------|
| Biology        | 111 | (3) | Human Biology           |
| Health Science | 100 | (2) | Health Care Terminology |
| Philosophy     | 310 | (3) | Ethics*                 |
| Psychology     | 420 | (3) | Abnormal Psychology     |
| Physics        | 211 | (4) | Intro to Physics        |
| Sociology      | 190 | (3) | Intro to Sociology      |

**Orthotics and Prosthetics**

|             |     |     |                      |
|-------------|-----|-----|----------------------|
| Biology     | 211 | (4) | General Biology II   |
| Chemistry   | 200 | (4) | General Chemistry I  |
| Chemistry   | 210 | (4) | General Chemistry II |
| Mathematics | 141 | (3) | Trigonometry*        |
| Physics     | 221 | (4) | General Physics I    |
| Physics     | 222 | (4) | General Physics II   |
| Psychology  | 420 | (3) | Abnormal Psychology  |

\* Indicates courses that also meet Liberal Studies requirements

LIBERAL STUDIES PROGRAM: As outlined on Liberal Studies Check Sheet.

Students must meet the following criteria to remain in good standing within the program:

- Declare a Concentration before the start of their 5th semester.
- Earn no grade below a "C" within major course work
- Current trends indicate that many professional programs require students to maintain a GPA at or above 3.0 in required coursework.

Completion of the Pre-Athletic Training specialization meets the requirements for the minor in Strength and Conditioning.

**Graphic and Web Design**

leading to a Bachelor of Arts Degree

Required Courses:

|     |     |     |  |
|-----|-----|-----|--|
| ART | 100 | (3) | Art Fundamentals                                   |
| ART | 105 | (1) | Success in Visual Arts                             |
| ART | 115 | (3) | Introduction to Drawing                            |
| ART | 135 | (3) | Introduction to Photography                        |
| ART | 170 | (3) | Typography   |
| ART | 180 | (3) | Introduction to Graphic Design                     |
| ART | 200 | (3) | Art History I - Prehistory through the Middle Ages |

|      |     |     |  |
|------|-----|-----|--|
| ART  | 210 | (3) | Art History II – The Renaissance to the 19th Century |
| ART  | 212 | (3) | Modern and Contemporary Art                          |
| ART  | 214 | (3) | History of Graphic Design                            |
| ART  | 255 | (3) | Web Design   |
| ART  | 380 | (3) | Advanced Graphic Design                              |
| ART  | 460 | (3) | Solo Exhibit   |
| ART  | 510 | (1) | Professional Practices Seminar                       |
| HUMN | 550 | (3) | Seminar in the Humanities                            |

**OFF-CAMPUS SHOW OF WORK:** All students are required to independently arrange a show of at least one piece of their artwork in a venue off campus during the course of their program. Graphic Design students may show their work in an approved online venue or in a print publication. Venue must be approved by the student's advisor.

**COMMUNITY SERVICE PROJECT:** All students are required to participate in a project that engages or serves a specific community during the course of their program. The project can be a joint effort by more than one Visual Arts major. Projects must be approved by the student's advisor.

**EXIT INTERVIEW:** Students must participate in an exit interview as a requirement for graduation.

**PORTFOLIO REVIEW:** In order to continue into the second year of the program, all students must submit for faculty review a portfolio of creative work completed during the first year of the program. Students who do not pass this review will have the option of transferring to another major program at AB, but will not be allowed to continue in the Graphic & Web Design major. Portfolio Review occurs during finals week of the student's second semester (usually the spring of the first year). Timing of the review for transfer students will be determined on a case-by-case basis.

**FOREIGN LANGUAGE:** Four semesters of one modern foreign language are required. (See policy on placement in courses)

**LIBERAL STUDIES PROGRAM:** As outlined on appropriate Liberal Studies Check Sheet

Among **REQUIREMENTS FOR GRADUATION**, the student must have at least a 2.00 average in the major.

### **Journalism and Professional Writing** **leading to a Bachelor of Arts Degree**

#### **Required Courses:**

|               |     |     |  |
|---------------|-----|-----|--|
| Art           | 135 | (3) | Photography I: Introduction to Digital Photography |
| Communication | 175 | (3) | Media Writing                                      |
| Communication | 251 | (3) | Advertising  |
| Communication | 355 | (3) | Mass Communication Law & Ethics                    |
| English       | 230 | (3) | Creative Writing                                   |
| English       | 250 | (3) | Advanced Grammar                                   |
| English       | 260 | (3) | Technical Writing                                  |
| Humanities    | 550 | (3) | Seminar in the Humanities                          |
| Journalism    | 160 | (1) | Journalism Practicum I                             |

|   |     |      |   |
|---|-----|------|---|
| Journalism  | 200 | (3)  | Introduction to Journalism                            |
| Journalism  | 210 | (3)  | News Editing and Production                           |
| Journalism  | 450 | (1)  | Senior Portfolio Project                              |
| PLUS 6 SEMESTER HOURS FROM AT LEAST TWO OF THE FOLLOWING COURSES: |     |      |   |
| Journalism  | 165 | (1)* | Journalism Practicum II<br>(on Battler Columns staff) |
| English   | 245 | (1)* | Practicum in Grant Writing                            |
| Plus ONE of the following:  |     |      |   |
| English   | 500 | (3)  | Internship in Professional Writing                    |
| Journalism  | 520 | (3)  | Internship in News Editing and Production             |

\*May be repeated for credit

**ADMISSION REQUIREMENTS:** Students must have a score of at least 20 on the ACT English test or 450 on the SAT Verbal test to be admitted as freshmen into the Journalism and Professional Writing major.

**FOREIGN LANGUAGE:** Four semesters of one modern foreign language are required. (See policy on placement in courses.)

**Among REQUIREMENTS FOR GRADUATION:** Completion of the Liberal Studies Program. The student must have a 2.00 GPA in the major.

### **Legal Studies**

#### **leading to a Bachelor of Art Degree**

#### **Required Courses:**

|                   |     |     |                                  |
|-------------------|-----|-----|----------------------------------|
| Communication     | 240 | (3) | Argument and Persuasion          |
| Criminal Justice  | 200 | (3) | Introduction to Criminal Justice |
| Criminal Justice  | 340 | (3) | Principles of Criminal Law       |
| Criminal Justice  | 450 | (3) | Criminal Courts & Process        |
| Legal Studies     | 200 | (3) | Introduction to Law and Society  |
| Legal Studies     | 280 | (3) | American Legal History           |
| Legal Studies     | 300 | (3) | Civil Rights and Liberties       |
| Legal Studies     | 350 | (3) | Legal Research and Writing       |
| Legal Studies     | 500 | (3) | Field Practicum                  |
| Philosophy        | 290 | (3) | Applied Logic                    |
| Political Science | 290 | (3) | American National Government*    |
| Political Science | 310 | (3) | Constitutional Law               |

PLUS 3 credit hours in a law elective from any discipline (International Law or Business Law recommended)

PLUS 3 credit hours of ethics from any discipline

PLUS ONE of the following:

|                   |     |     |                              |
|-------------------|-----|-----|------------------------------|
| Criminal Justice  | 550 | (3) | Seminar in Criminal Justice  |
| History           | 510 | (3) | Seminar in History           |
| Political Science | 550 | (3) | Seminar in Political Science |

**FOREIGN LANGUAGE:** Three semesters of one modern foreign language are required. (See policy on placement in courses.)

**Among REQUIREMENTS FOR GRADUATION:** Completion of the Liberal Studies Program. The student must have a 2.0 GPA in the major.

\*Indicates courses that also meet Liberal Studies requirements.

**Marketing**leading to a Bachelor of Science Degree**Required Courses:**

|            |     |     |                                      |
|------------|-----|-----|--------------------------------------|
| Business   | 120 | (3) | Introduction to Marketing            |
| Business   | 140 | (3) | Introduction to Accounting I         |
| Business   | 150 | (3) | Introduction to Accounting II        |
| Business   | 160 | (3) | Introduction to Management           |
| Business   | 250 | (3) | Business Ethics                      |
| Business   | 281 | (3) | Business Law I                       |
| Business   | 285 | (3) | Business Law II                      |
| Business   | 290 | (3) | International Business               |
| Business   | 320 | (3) | Business Finance                     |
| Business   | 550 | (3) | Strategic Management/Business Policy |
| Economics  | 201 | (3) | Macro-Economics*                     |
| Economics  | 211 | (3) | Micro-Economics                      |
| Psychology | 260 | (3) | Statistics and Data Analysis*        |

**PLUS THE FOLLOWING COURSES:**

|               |     |     |                      |
|---------------|-----|-----|----------------------|
| Business      | 343 | (3) | Database Management  |
| Business      | 345 | (3) | Marketing Research   |
| Business      | 350 | (3) | Consumer Behavior    |
| Business      | 435 | (3) | Marketing Management |
| Psychology    | 400 | (3) | Social Psychology    |
| Communication | 251 | (3) | Advertising          |

**FOREIGN LANGUAGE/FOREIGN STUDIES:** It is recommended that students take one semester of International Studies to fulfill this requirement. Otherwise two semesters of a foreign language (refer to foreign language placement requirements) or an independent foreign studies project is required.

**Among REQUIREMENTS FOR GRADUATION:** Completion of the Liberal Studies Program. The student must have a 2.00 GPA in the major and must pass a comprehensive examination.

\*Indicates courses that also meet Liberal Studies requirements.

**Mass Communication**leading to a Bachelor of Arts Degree**Required Courses:**

|               |     |     |                                     |
|---------------|-----|-----|-------------------------------------|
| Art           | 211 | (3) | Film Genres*                        |
| Business      | 120 | (3) | Introduction to Marketing           |
| Business      | 345 | (3) | Marketing Research                  |
| Communication | 155 | (3) | Introduction to Mass Communication  |
| Communication | 175 | (3) | Media Writing                       |
| Communication | 190 | (3) | Media and Society*                  |
| Communication | 251 | (3) | Advertising                         |
| Communication | 271 | (4) | Video Production I                  |
| Communication | 350 | (3) | Social Media                        |
| Communication | 355 | (3) | Mass Communication Law & Ethics     |
| Communication | 370 | (4) | Video Production II                 |
| Communication | 450 | (1) | Senior Mass Communication Portfolio |

|               |     |     |                            |
|---------------|-----|-----|----------------------------|
| Communication | 500 | (3) | Internship                 |
| Humanities    | 550 | (3) | Seminar in the Humanities  |
| Journalism    | 200 | (3) | Introduction to Journalism |

**PLUS FOUR SEMESTER HOURS FROM THE FOLLOWING:**

|               |     |     |  |
|---------------|-----|-----|--|
| Communication | 220 | (1) | Media Practicum**                                  |
| Journalism    | 160 | (1) | Journalism Practicum<br>(on Battler Columns staff) |
| Journalism    | 165 | (1) | Advanced Journalism Practicum* *                   |

\*\*May be repeated for credit.

**FOREIGN LANGUAGE:** Four semesters of one modern foreign language are required.  
(See policy on placement in courses.)

\*COMM-130 Introduction to Public Speaking is required to fulfill Liberal Studies' Goal 1-A.3.

Among **REQUIREMENTS FOR GRADUATION:** Completion of the Liberal Studies Program. The student must have a 2.00 GPA in the major.

\*Indicates courses that also meet Liberal Studies requirements.

## **Mathematics**

### **leading to a Bachelor of Science Degree**

**Required Courses:**

|                  |     |     |  |
|------------------|-----|-----|--|
| Computer Science | 261 | (3) | Computer Science 1: Introduction to Computer Science |
| Computer Science | 262 | (3) | Computer Science 2: Algorithms                       |
| Computer Science | 263 | (3) | Computer Science 3: Data Structures                  |
| Mathematics      | 166 | (3) | Discrete Math I*                                     |
| Mathematics      | 167 | (3) | Discrete Math II                                     |
| Mathematics      | 231 | (4) | Calculus I   |
| Mathematics      | 232 | (4) | Calculus II  |
| Mathematics      | 251 | (3) | Statistics   |
| Mathematics      | 312 | (3) | Algebraic Structures I                               |
| Mathematics      | 313 | (3) | Algebraic Structures II                              |
| Mathematics      | 315 | (3) | Linear Algebra                                       |
| Mathematics      | 333 | (4) | Advanced Calculus                                    |
| Mathematics      | 450 | (3) | Mathematics and Computer Science<br>Capstone Course  |
| Physics          | 221 | (4) | General Physics I*                                   |
| Physics          | 222 | (4) | General Physics II                                   |

**PLUS 6 SEMESTER HOURS SELECTED FROM:**

|                       |     |     |                        |
|-----------------------|-----|-----|------------------------|
| Computer Science      | 271 | (3) | Computer Language      |
| Computer Science      | 311 | (3) | Theory of Computation  |
| Computer Science      | 312 | (3) | Theory of Languages    |
| Computer Science      | 380 | (3) | Computer Graphics I    |
| Environmental Science | 365 | (3) | Introduction to GIS    |
| Environmental Science | 405 | (3) | Applied Remote Sensing |
| Environmental Science | 465 | (3) | Advanced GIS           |
| Mathematics           | 371 | (3) | Principles of Geometry |

|             |     |       |                        |
|-------------|-----|-------|------------------------|
| Mathematics | 441 | (3)   | Differential Equations |
| Mathematics | 600 | (2-4) | Undergraduate Research |

FOREIGN LANGUAGE: Not required

Among REQUIREMENTS FOR GRADUATION: Completion of the Liberal Studies program. The student must have a 2.00 GPA in the major and must successfully complete a research project.

\*Indicates courses that also meet Liberal Studies requirements.

### **Ministry and Leadership** **leading to a Bachelor of Art Degree**

Required Courses:

|            |     |     |   |
|------------|-----|-----|---|
| Philosophy | 190 | (3) | Introduction to Philosophy                        |
| Religion   | 280 | (3) | Religions of the World                            |
| Religion   | 290 | (3) | Introduction to the Old Testament                 |
| Religion   | 295 | (3) | Introduction to the New Testament                 |
| Religion   | 325 | (3) | Christian Theology                                |
| Religion   | 332 | (3) | Introduction to Christian Ministry and Leadership |
| Religion   | 350 | (3) | Leadership in Christian Service Practicum         |
| Religion   | 360 | (3) | The Christian Church through the Ages             |
| Religion   | 550 | (3) | Senior Seminar in Ministry & Leadership           |

Nine semester hours from one of the following concentrations: (9 Hours)

Students must fulfill one concentration for the major, however, they may take more than one concentration.

#### **ETHICS:**

**Required:**

|                            |      |     |   |
|----------------------------|------|-----|---|
| Philosophy                 | 310* | (3) | Ethics                                  |
| PLUS TWO of the following: |      |     |   |
| Philosophy                 | 340  | (3) | Environmental Ethics                    |
| Philosophy                 | 391  | (3) | Ethical Issues on Health-Related Issues |
| Criminal Justice           | 410  | (3) | Ethics and Criminal Justice             |
| Communication              | 355  | (3) | Mass Communication Law and Ethics       |

#### **CHRISTIAN COUNSELING:**

**Required:**

|                            |      |     |   |
|----------------------------|------|-----|---|
| Religion                   | 323* | (3) | Pastoral Care and Leadership                      |
| PLUS TWO of the following: |      |     |   |
| Religion                   | 301  | (3) | Hospice Field Education Page   4                  |
| Philosophy                 | 190  | (3) | Introduction to Philosophy                        |
| Religion                   | 280  | (3) | Religions of the World                            |
| Religion                   | 290  | (3) | Introduction to the Old Testament                 |
| Religion                   | 295  | (3) | Introduction to the New Testament                 |
| Religion                   | 325  | (3) | Christian Theology                                |
| Religion                   | 332  | (3) | Introduction to Christian Ministry and Leadership |
| Religion                   | 350  | (3) | Leadership in Christian Service Practicum         |
| Religion                   | 360  | (3) | The Christian Church through the Ages             |
| Religion                   | 550  | (3) | Senior Seminar in Ministry & Leadership           |

Nine semester hours from one of the following concentrations: (9 Hours)

Students must fulfill one concentration for the major, however, they may take more than one concentration.



**CHURCH MINISTRY:****Required:**

|          |      |     |  |
|----------|------|-----|--|
| Religion | 335* | (3) | Leadership in Christian Worship and Spirituality |
|----------|------|-----|--|

**PLUS TWO of the following:**

|          |     |     |                                |
|----------|-----|-----|--------------------------------|
| Religion | 323 | (3) | Pastoral Care and Leadership   |
| Religion | 333 | (3) | Teaching and Preaching         |
| Religion | 334 | (3) | Introduction to Youth Ministry |

**SPORTS MINISTRY:****Required:**

|          |      |     |                                 |
|----------|------|-----|---------------------------------|
| Religion | 370* | (3) | Integration of Faith and Sports |
|----------|------|-----|---------------------------------|

**PLUS TWO of the following:**

|                  |     |     |   |
|------------------|-----|-----|---|
| Religion         | 375 | (3) | Sports Chaplaincy                                       |
| Sport Management | 200 | (3) | Introduction to Sport Management                        |
| Sport Management | 255 | (3) | Sport Law and Ethics                                    |
| Sport Management | 400 | (3) | Management of Sports Organizations and Program Planning |
| History          | 240 | (3) | The History of Sports in American Society               |

**FOREIGN LANGUAGE:** Four semesters of one modern foreign language are required. (See policy on placement on courses.)

Among **REQUIREMENTS FOR GRADUATION:** Completion of the Liberal Studies Program. The student must have a 2.00 GPA in the major.

\*Indicates courses that also meet Liberal Studies requirements.

## **Music Education, Music Performance, and Musical Arts**

### **School of Music**

#### **Entrance Requirements**

All students seeking acceptance into the music education baccalaureate degree program are required to pass an entrance audition on their primary instrument(s). (N.B.: The School of Music does not accept students whose primary instrument is violin, viola, cello, or bass). Auditions are held at various times throughout the year, with the majority of auditions held in early spring for students entering the following fall. The School of Music encourages applicants to audition for entrance on one of the designated audition dates. Students who cannot audition on one of these dates may do so at another time by appointment. All inquiries about scheduling auditions should be directed to the University's School of Music Office (304-457-6200), which negotiates audition appointments in consultation with the music faculty.

Following the student's entrance audition, the music faculty will 1) grant full admission to the music program; or 2) grant probationary admission to the music program (see "Probationary Admission" below); or 3) deny admission to the music program, thus not allowing the student to register as a music major. (NOTE: Being denied admission to the School of Music as a music major does NOT affect the student's prior or subsequent academic admission to the University.) Since the music faculty uses the results of the required audition to recommend adjustments to financial aid awards determined on the basis of the University's financial aid policies, students are advised to apply for admission and present their auditions in a timely fashion (see "Enhancements to Financial Aid Awards" below.)

- If a student is unable to schedule an audition for any reason prior to the beginning of the semester, he or she may be admitted provisionally to the music program provided that the student passes an entrance audition no later than the end of the registration period of the student's first semester. At that time the music faculty will decide the student's admission status as described above.

#### Probationary Admission

Students granted probationary admission to the music program are allowed to register as music majors and for the courses appropriate to the first semester of study. At the end of the first semester, the music faculty evaluates each probationary student's progress and either 1) grants full admission; or 2) continues probationary status (under rare circumstances); or 3) denies the student admission into the music program. Students denied admission on the basis of this evaluation may no longer register as music majors, but may continue as students enrolled at the University.

#### Enhancements to Financial Aid Awards

The music faculty may recommend adjustments to students' financial aid awards based upon the result of the entrance audition. Criteria for recommending these enhancements include: performance ability on major and secondary instruments or voice, academic record and ACT/SAT scores, potential for contribution to the School of Music and its performing ensembles, musical aptitude, and probability of success in one of the offered degree programs.

Information describing appropriate audition repertoire for each instrument is available from the School of Music upon request and can be found on the School of Music web page <http://www.ab.edu/performing%20arts/music>.

Policies Pertaining To Private Lessons (Music Majors or Music Minor with special permission)

#### 1. Instruction

- a. Students register for 1, 2 or 3 semester hours of private lessons. (No students should register for 3-semester hour lessons without prior consultation and permission from the instructor.) Most music majors should expect to register for 2-semester hour lessons. **PRIVATE LESSONS ARE NOT AVAILABLE BY AUDIT.**
- b. Students receive 25 minutes of instruction time per week for every hour of credit in Music Performance (MUAP) 181-188 for which they are registered. There are a total of 14 lessons per semester. (At the option of the instructor, equivalent amounts of time and personal attention may be given through studio class or similar instruction.) **There is an additional LAB FEE for private lessons (check with Business Office for current lab fee for music lessons.)**
- c. Each student must meet the attendance requirements for lessons as determined by the individual instructor. No make-up lessons will be given to any student not fully complying with the instructor's requirements, particularly failure to give prior notification of absence. Furthermore, while encouraged to do so if practical, the instructor is under no obligation to make up lessons missed within the one month before Reading Day even if the student's absence is excused. The student bears the responsibility of negotiating the taking of make-up lessons with the instructor.
- d. The School Music thus reserves the right to 1) limit students to 1- semester hour lessons; or 2) refuse private lesson instruction to those individuals not required to take lessons when faculty teaching assignments are full. When necessary, the School will determine at its

sole discretion which students have priority access to private lessons.

2. Total Credits

Not more than 24 semester hours of credit in lessons may be counted in the total credits offered for graduation.

3. Public Solo Performance

The School of Music sponsors a number of public recitals every semester, which feature student soloists and small ensembles. Students majoring in music should expect to perform publicly at least once per year. All students registered for private lessons may be asked by their instructors to perform publicly. Such performance requirements are determined by the instructor.

### Lessons on Primary Instrument/Voice

| Course (Lessons) MUAP | Credits         | Instrument |
|-----------------------|-----------------|------------|
| Music Performance     | 181 (1, 2 or 3) | Brass      |
| Music Performance     | 182 (1, 2 or 3) | Organ      |
| Music Performance     | 183 (1, 2 or 3) | Percussion |
| Music Performance     | 184 (1, 2 or 3) | Piano      |
| Music Performance     | 185 (1, 2 or 3) | Voice      |
| Music Performance     | 186 (1, 2 or 3) | Woodwinds  |
| Music Performance     | 187 (1, 2 or 3) | Guitar     |

Each music major specializes in a performance area (piano, organ, voice, guitar, percussion, and brass or woodwind instrument). The music major must register for lessons on his or her instrument or voice until he or she has accumulated the required semester hours in applied music (MUAP 181-187 as printed on the major checksheet. Each music major works towards a performance level on his or her primary instrument/voice. All levels in Music Performance are determined by the student's performance at a jury presented before the music faculty at the end of each semester or at other arranged times. The jury provides a means by which the music faculty may monitor each student's achievement and progress toward performance level requirements. All music majors working toward a level requirement in a primary performance area must present a jury at the end of every semester of required study until he or she earns the exit level for his or her program. Students who have reached their exit levels are still required to present one jury per year. Note: A music major seeking a level in a secondary performance area does NOT need to present a jury each semester in that secondary area unless required to do so by the instructor, but must present a jury at some time to determine if the required level has been reached. A student not required to take a jury in any given semester may petition the School through his or her applied teacher to be allowed to take a jury; the School retains sole discretion in deciding whether or not to allow the student to do so. Students in baccalaureate degree programs must present either a senior recital or a senior project at the end of their study in their performance area. In order to present a senior recital or senior project, music education and musical arts majors must earn an Applied Level 6 and pass a recital hearing presented for the music faculty. Senior music education who have reached Level 5 in their performance area MAY elect (with approval of the music faculty) to present a Senior Project (for example, a lecture recital). Students must register for lessons during the semester in which the required senior solo recital or project is presented. Neither the required senior recital/senior project hearing nor the presentation of the senior recital/senior project can take place during the time of the student teaching placement. Specific requirements for the senior recital and project are available from the School of Music.

Each music major is required during each semester on campus to participate fully in and

meet all requirements of at least one musical ensemble sponsored or directed by the School of Music. The following ensembles are offered for academic credit:

| <u>Course</u>  | <u>Credits</u> | <u>Ensemble</u>            |
|----------------|----------------|----------------------------|
| Applied Music  | 221 (1)        | Brass Choir                |
| Applied Music  | 222 (1)        | Jazz Ensemble (Inactive)   |
| Applied Music  | 223 (1)        | Woodwind Chamber Ensembles |
| Applied Music  | 225 (1)        | Brass Quintet(Inactive)    |
| Applied Music  | 230 (1)        | Symphonic Band             |
| Applied Music  | 240 (1)        | University Chorale         |
| Applied Music  | 235 (1)        | Marching Band              |
| Applied Music  | 236 (1)        | Athletic Band              |
| Applied Music  | 250 (1)        | "The West Virginians"      |
| Applied Music  | 251 (1)        | Opera Workshop             |
| Applied Music  | 255 (1)        | Vocal Quartets(Inactive)   |
| Applied Music  | 260 (1)        | Chapel Choir(Inactive)     |
| Applied Music  | 265 (1)        | Handbells                  |
| Communications | 160 (1)        | Musical Theatre Production |

Furthermore, proper preparation for public school music teaching requires that music education majors have choral and instrumental ensemble experience. Specific requirements, which depend on the applied area of the student, are as follows: brass, woodwind or percussion majors must ALWAYS participate in Symphonic Band, except that the music faculty may, at its discretion and for the sake of optimizing the operation of School-sponsored ensembles, substitute another approved instrumental ensemble (e.g., Brass Choir, Jazz Ensemble) in place of the Symphonic Band. Furthermore, percussion and wind instrument majors in music education must participate for at least two semesters in University Chorale or an approved substitute choral ensemble (n.b., however, that no substitute choral ensemble is currently offered) while concurrently participating in Symphonic Band (or approved instrumental substitute).

Note: Ordinarily, participation in the secondary ensemble required for music education majors should occur during the fall and spring semesters of one academic year; students (in consultation with their academic advisors) are expected to plan their academic schedules with this in mind. With permission granted by majority vote of the music faculty, however, students whose academic schedules present unusual circumstances may be allowed to participate in their secondary ensemble for two semesters which occur in different academic years OR (more rarely) in two different secondary ensembles in the same semester. For example, students may opt to enroll in both Marching Band and Symphonic Band in the same semester to fulfill this requirement.

Voice majors must ALWAYS participate in University Chorale, except that the music faculty may, at its discretion and for the sake of optimizing the operation of School-sponsored ensembles, substitute another approved choral ensemble. Furthermore, voice majors in music education must participate for at least two semesters in Symphonic Band or an approved substitute instrumental ensemble (Brass Choir, Jazz Ensemble) while concurrently participating in University Chorale. Students participating in Symphonic Band (or approved instrumental substitute) are expected to participate in University Chorale for at least one semester. All music education majors are required to participate in Marching Band for at least one semester.

Keyboard (organ or piano) or guitar majors must ALWAYS participate in either Symphonic Band or University Chorale, except that the music faculty may substitute other approved

ensembles. Furthermore, for at least two semesters, students in music education must participate concurrently in both Symphonic Band and University Chorale (or approved substitutes).

The music faculty may, at its sole discretion, require that a piano major continue ensemble participation until he or she is ready to assume an equivalent amount of responsibility as an accompanist. Ordinarily, accompaniment assignments require approximately three hours per week for music education majors. These assignments are established, monitored and adjusted by the music faculty on a continual basis. Accompaniment responsibilities continue throughout every semester the student is on-campus until graduation. These participation requirements are program minimums.

## Music Education Teaching Specialization: Pre K-Adult

| <u>Music Content</u><br>32 credits required   | <u>Music Education</u><br>17 credits shared in both Music Content and Professional Education   | <u>Professional Education</u><br>31 credits required   |
|---|--|--|
| MUSC 101 (1) Musicianship I<br>MUSC 151 (2) Musicianship II<br>MUSC 201 (2) Musicianship III<br>MUSC 251 (2) Musicianship IV<br><br>MUSC 112 (1) Foundations for the Study of Music<br>MUSC 185 (1) Jazz, World, and Electronic Music<br>MUSC 285 (1) Music History I<br>MUSC 385 (2) Music History II<br>MUSC 485 (2) Music History III<br><br>MUSC 135 (2) Theory I<br>MUSC 235 (2) Theory II<br>MUSC 335 (3) Theory III and Formal Structures<br><br>MUSC 330 (2) Arranging and Scoring<br>MUSC 355 (2) Conducting I<br>MUSC 365 (2) Conducting II<br><br>MUAP 490.01 (0) Exit Recital/ Project<br><br>7 successful enrollments in MUAP 050 Convocation (0 credit) to graduate<br><br>Ensemble Participation – Main ensemble each semester for 7 semesters (1 credit each) = 7 credits<br>Vocal emphasis – MUAP 240<br>Instrumental emphasis – MUAP 230<br>Guitar emphasis – MUAP 222<br><br>Ensemble Participation – Marching Band= 1 credits - MUAP 235 (Fall offering only)<br><br>Ensemble Participation – Secondary ensemble in outside area for 2 consecutive semesters. (1 each) = 2 credit<br>Vocal emphasis – MUAP 230<br>Instrumental emphasis – MUAP 240<br><br>Must achieve Professional Status<br><br>Must achieve a Level 5 in Applied Lesson jury to give an exit project OR a Level 6 to give an exit solo recital | MUED 132 (1) Diction I*<br>(All majors – English, Latin, Italian)<br>MUED 130 (1) Voice Class*<br>(instrumental emphasis ONLY)<br><b>OR</b><br>MUED 133 (1) Diction II*<br>(voice emphasis ONLY)<br><br>MUED 154 (1) Piano Tech & Ped*<br>MUED 240 (1) Vocal Tech & Ped*<br>MUED 250 (1) String Tech & Ped*<br>MUED 270 (1) Percussion Tech & Ped*<br>MUED 271 (1) Brass Tech & Ped*<br>MUED 272 (1) Woodwind Tech & Ped*<br>*Meet 2 days per week<br><br>MUED 310 (3) General Music Methods<br>MUED 311 (1) Lab in General Classroom Methods<br>MUED 325 (3) Choral and Instrumental Methods<br>MUED 321 (1) Lab in Choral Methods<br>MUED 331 (1) Lab in Instrumental Methods<br><br>Other REQUIREMENTS for GRADUATION. The student must: <ul style="list-style-type: none"><li>• Complete the University's Liberal Studies program</li><li>• Have a 2.00 GPA in the major</li><li>• Take the ETS Music Content Field Exam</li><li>• Pass Piano Proficiency test</li></ul> | EDUC 190 (3) Introduction to Computer and Technology Applications for Teachers **<br>EDUC 220 (3) Foundations of Education in a Multi-Cultural Society<br>EDUC 260 (3) Psychological Foundations and Development of Early Childhood Through Adolescence **<br><br>SPED 200 (3) Areas of Exceptionality in Special Ed<br>SPED 340 (3) Creating Inclusive Classrooms: Strategies for Classroom Teachers<br><br>READ 300 (3) Reading in the Secondary Schools<br><br>EDUC 500 (12) Student Teaching<br>EDUC 550 (1) Seminar in the Philosophy of Teaching |

**leading to a Bachelor of Music Education Degree****Nursing Program****Culminates with a Bachelor of Science in Nursing Degree (B.S.N.)**

Upon graduation from the program, the graduate has completed the educational requirements to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). This program offered by the School of Nursing is accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN) and by the West Virginia Board of Examiners for Registered Professional Nurses. The School of Nursing is an agency member of the National League for Nursing.

***Accrediting Agencies:***

Accreditation Commission for Education in Nursing, Inc. (ACEN)  
(ACEN)  
3343 Peachtree Road NE, Suite 500  
Atlanta GA 30326  
404-975-5000  
[www.acenursing.org](http://www.acenursing.org)

State of West Virginia Board of Examiners for  
Registered Professional Nurses  
(WVBOE-RN)  
101 Dee Drive  
Charleston WV 25311  
304-558-3596  
[www.wvrbboard.wv.gov](http://www.wvrbboard.wv.gov)

A modified program is offered for qualified Licensed Practical Nurses known as the LPN-BSN Program. An online course for Registered Nurses (RN-BSN) is also available for registered nurses desiring a bachelor's degree.

**ADMISSION TO THE NURSING MAJOR****Traditional Program:**

Students must first qualify for admission to the University and designate an interest in nursing. The University Office of Admissions designates the student as nursing. Upon admission, the sequence of nursing courses is influenced by the student's ACT (or SAT equivalent) scores. Completion of the following prerequisite courses, with a C or better is required: BIO 270, 271, CHEM 190, Math 111 (or higher) and HSCI 100

**Transition into to Nursing:**

To progress in the nursing program a student must have successfully completed prerequisites: BIO 270, 271, CHEM 190, College Math, and HSCI 100, with a grade of "C" or higher, attain a cumulative University GPA of 2.5, and must attain a passing score of 69% on the HESI A2 Admission Assessment Exam (HESI A2) (See School of Nursing Admission Policy II B-1). Students must successfully complete all prerequisites as listed above as well as complete all health forms, and the required background check and drug screen for progression as a student in the School of Nursing. The School of Nursing Faculty, Admission and Mission Committee will determine which students meet the criteria as described in the Rubric, which follows.

**RUBRIC**

Alderson Broaddus University  
School of Nursing

Rubric: Admission and Placement Criteria – For Progression into Nursing

|   |  |                |
|---|--|----------------|
| <b>Overall GPA:</b><br>3.5 – 4.0 = 4 pts.<br>3.0 – 3.49 = 3 pts.<br>2.50 – 2.99 = 2 pts.<br>Less than 2.50 = 0 pts              | Student GPA at<br>application<br>Into Nursing: | Points Earned: |
| <b>Prerequisite Course* GPA</b><br>3.5 – 4.0 = 4 pts.<br>3.0 – 3.49 = 3 pts.<br>2.50 – 2.99 = 2 pts.<br>Less than 2.50 = 0 pts. | Student Prerequisite<br>Course GPA:            | Points Earned: |
| <b>ACT Cumulative Score:</b><br>25 or greater = 4 points<br>21 – 24 = 3 points<br>18-20 = 2 points<br>Less than 18 = 0 points   | Student Cumulative<br>ACT Score:               | Points Earned: |
| <b>HESI A2 Admission Assessment:</b><br>90-100 = 4 pts.<br>80-89 = 3 pts.<br>69-79 = 2 pts.<br>Less than 69 = 0 pts.            | Student Score on HESI<br>A2:                   | Points Earned: |

\*Core Courses – Core courses include BIOL 270 and BIOL 271, CHEM 190, Liberal Studies Math Requirement and HSCI 100. All Core Courses will be completed successfully with the grade of “C” or better, but the student’s cumulative GPA must be a 2.5 or greater. Students will only have two (2) attempts to successfully complete Core Courses.

**Scale for Admission (Range 0-16)**

8-16 points

7 points or less:

Admission to the School of Nursing

Not admitted to the School of Nursing: Student to consult with student’s advisor, the Career Services and Academic Center for Educational Success (ACES) as individually appropriate.

\* Prerequisite Courses, which include BIOL 270, BIO 271, CHEM 190, (or appropriate substitute), College Math or higher and HSCI 100. All Prerequisite Courses will be completed successfully with the grade of “C” or better. Students will only have two (2) attempts to successfully complete Prerequisite Courses.

\*\* Students with SAT scores of 500 and above in reading and SAT of 500 and above in math will receive the same rubric points as an ACT composite of 20.

**The HESI Admission Assessment Exam (HESI A2)**

- HESI A2 assessment exam is required in order to progress into the program with a minimal score of 69%;
- The HESI Admission Assessment Exam Review Book is recommended for purchase to begin preparation upon entering the sciences in the freshman year



(ISBN 978-1-4557-0333-3);

- All students will purchase and take the HESI A2 exam in the Spring of the freshman year. Students who do not attain the minimum score of 69 will have an opportunity to purchase and take the HESI A2 one month after the initial exam with the second test occurring before June 30.

## **ADMISSION OF TRANSFER STUDENTS TO THE TRADITIONAL CURRICULUM**

An applicant with nursing credit from an accredited college or university is eligible for consideration for admission by applying to the Alderson Broaddus University and sending all official transcripts to the Registrar's Office.

### **Criteria for transfer credit:**

- A. Transcripts from all prior academic work must have a cumulative GPA of 2.5 or greater.
- B. Take the HESI admission exam (HESI A2) at the discretion of the Faculty, Admission and Mission Committee.
- C. All nursing credits to be transferred in will be reviewed by the Faculty, Admission and Mission Committee to determine the student's proper placement in the Nursing Curriculum.
- D. The courses required by the School of Nursing that are non-nursing courses must have been passed with a grade of "C" or higher to be transfer-eligible for the School of Nursing.
- E. All nursing courses must have been passed with a grade of "B" or higher to be considered for equivalent transfer credit. In determining equivalency, the Faculty, Admission and Mission Committee. Will evaluate any discrepancies in credit hours between the transfer courses and courses at Alderson Broaddus University.
- F. All nursing courses passed with a grade of "C" will be accepted as an elective nursing credit, but may not be accepted for equivalent transfer nursing credit. The Faculty, Admission and Mission Committee will have the final determination in evaluation, progression and sequencing of nursing courses for transfer students.

*All students will complete the required health forms and immunizations as well as the background check and drug screen, per policy, by July 1.*

## **ADMISSION TO LPN-BSN CURRICULUM**

### **Applicants to the LPN to Bachelor of Science in Nursing Program will meet the following criteria.**

- A. Current unencumbered license as a licensed practical nurse.
- B. All applicants will purchase and take the HESI Admission Assessment Exam (HESI A2) for admission to the Alderson Broaddus University School of Nursing.
- C. The HESI Admission Assessment Exam Review Book is recommended for purchase to prepare to take the HESI A2 Exam (ISBN 978-1-4557-0333-3)
- D. Students who do not attain the minimum score of 69 on the HESI A2 will have an opportunity to purchase and take a second HESI A2 one month after the initial exam.
- E. Transcripts of all academic work from an approved program in Licensed Practical Nursing, as well as any other academic work, must be submitted to the registrar.
- F. A list of all work experience since graduation must be provided to the Director of



the LPN to BSN Program.

*All students will complete the required health forms and immunizations as well as the background check and drug screen, per policy, by May 1.*

• **The preceding documents must be on file in the School of Nursing by:**

- May 1 - LPN-BSN
- July 1 - Traditional

## **NURSING TRADITIONAL PROGRAM**

**Required Courses:**

|                  |     |     |  |
|------------------|-----|-----|--|
| Computer Science | 225 | (3) | Medical Informatics  |
| Health Science   | 260 | (3) | Nutrition  |
| Philosophy       | 391 | (3) | Ethical Perspective on Health Related Issues                                 |
| Nursing (NRSG)   | 210 | (2) | Introduction to the Art of Healing   |
| Nursing (NRSG)   | 220 | (6) | Care of the Patient across the Lifespan                                      |
| Nursing (NRSG)   | 250 | (3) | Health Assessment  |
| Nursing (NRSG)   | 270 | (3) | Pharmacology for Nursing   |
| Nursing (NRSG)   | 280 | (5) | Care of the Adult I  |
| Nursing (NRSG)   | 310 | (3) | Nursing Research   |
| Nursing (NRSG)   | 330 | (5) | Care of the Childbearing Family and Women's Health                           |
| Nursing (NRSG)   | 340 | (5) | Care of the Adult II   |
| Nursing (NRSG)   | 350 | (3) | Acute Psychosocial Nursing   |
| Nursing (NRSG)   | 370 | (6) | Nursing Care of Children   |
| Nursing (NRSG)   | 380 | (5) | Care of Adults III   |
| Nursing (NRSG)   | 410 | (5) | Care of the Patient with Complex Health Issues                               |
| Nursing (NRSG)   | 420 | (4) | Community Mental Health Nursing  |
| Nursing (NRSG)   | 430 | (1) | Improving Critical Thinking through Test-Taking Strategies: NCLEX-RN Part 1  |
| Nursing (NRSG)   | 440 | (1) | Community as Client: Clinical Immersion                                      |
| Nursing (NRSG)   | 450 | (3) | Nurse as Manager   |
| Nursing (NRSG)   | 460 | (5) | Care of the Patient with Complex Health Issues II                            |
| Nursing (NRSG)   | 470 | (3) | Community as Client  |
| Nursing (NRSG)   | 480 | (1) | Improving Critical Thinking through Test-Taking Strategies: NCLEX-RN Part II |

## **NURSING LPN-BSN PROGRAM**

**Required Courses:**

|                  |     |     |   |
|------------------|-----|-----|---|
| Math             | 111 | (3) | Math for Healthcare Careers                   |
| Computer Science | 225 | (3) | Medical Informatics                           |
| Philosophy       | 391 | (3) | Ethical Perspectives of Health Related Issues |
| Psychology       | 220 | (3) | Growth and Development                        |

**Plus the Following Professional Courses:**

|         |     |     |   |
|---------|-----|-----|---|
| Nursing | 205 | (4) | Transition to Professional Nursing        |
| Nursing | 250 | (3) | Lifespan Physical & Health Assessment     |
| Nursing | 271 | (3) | Pharmacology for Nursing Care of Adults I |

|         |     |     |  |
|---------|-----|-----|--|
| Nursing | 280 | (5) | Nursing Care of Adults I   |
| Nursing | 310 | (3) | Nursing Research   |
| Nursing | 330 | (5) | Nursing Care of Childbearing Families  |
| Nursing | 340 | (5) | Nursing Care of Adults II  |
| Nursing | 350 | (3) | Acute Psychosocial Nursing   |
| Nursing | 370 | (6) | Nursing Care of Children   |
| Nursing | 380 | (5) | Nursing Care of Adults III   |
| Nursing | 410 | (5) | Care of the Patient with Complex Health Issues I                             |
| Nursing | 420 | (4) | Community Mental Health Nursing  |
| Nursing | 430 | (1) | Improving Critical Thinking through Test taking Strategies: NCLEX-RN Part I  |
| Nursing | 440 | (3) | Community as Client: Clinical Immersion                                      |
| Nursing | 450 | (3) | Nurse as Manager   |
| Nursing | 460 | (5) | Care of the Patient with Complex Health issues II                            |
| Nursing | 470 | (3) | Community as Client  |
| Nursing | 480 | (1) | Improving Critical Thinking through Test taking Strategies: NCLEX-RN Part II |

FOREIGN LANGUAGE: Not Required

LIBERAL STUDIES PROGRAM: As outlined on Liberal Studies Check Sheet.

**REQUIREMENTS FOR GRADUATION:** The student must earn a grade of C or higher in all required support courses, a 2.5 cumulative GPA and a 2.5 GPA in the major and must pass a comprehensive examination, planned and administered by the school. Nursing courses require earning a grade of B in cumulative testing in each course to progress in the major.

## LPN-BSN Program

Revised: September, 2013

### Program Features

The LPN-BSN Program is designed to be completed in 36 months. LPNs admitted to the Alderson Broaddus University School of Nursing LPN-BSN Program will be assigned a full-time nursing faculty member. This faculty member will advise the student relative to course registration and other academic issues as needed. Making the transition from practical nursing to professional nursing can be challenging, and as one of the steps to success, the student will take a required course designed to that facilitates that transition. Credits may be earned by any or all of the following methods:

1. Credit by examination (policies applicable to the overall University, see Alderson Broaddus University Catalog).
2. Credit by transfer.
3. Credit by escrow. Upon completion of 12 credits at Alderson Broaddus University in the nursing major, and a grade point average of 2.5 (on a 4.0 scale), the student will receive 20 hours of credit toward the required 120 credits necessary for graduation. Escrow credit will be awarded for the following courses: Anatomy & Physiology, Chemistry, Nutrition, Medical Terminology and Nursing Fundamentals.
4. Credits earned by taking course work toward degree requirements.

## **NURSING RN-BSN PROGRAM**

leading to a Bachelor of Science in Nursing Degree

### Required Courses:

|                  |     |     |  |
|------------------|-----|-----|--|
| Computer Science | 225 | (3) | Medical Informatics                            |
| Philosophy       | 391 | (3) | Ethical Perspectives for Health Related Issues |

### PLUS THE FOLLOWING PROFESSIONAL COURSES:

|         |     |     |   |
|---------|-----|-----|---|
| Nursing | 510 | (3) | Transition to Professional Baccalaureate Nursing Practice |
| Nursing | 515 | (3) | Health Assessment   |
| Nursing | 520 | (3) | Nursing Research  |
| Nursing | 530 | (3) | Nurse as Manager  |
| Nursing | 531 | (3) | Nursing Professional Development                          |
| Nursing | 532 | (3) | Community Mental Health Nursing                           |
| Nursing | 533 | (3) | Community as Client                                       |
| Nursing | 550 | (3) | Excellence in Nursing                                     |

### **Program Features**

The Online RN -BSN Program is designed to be completed in 18 months. RNs admitted to the Alderson Broaddus University School of Nursing Online RN-BSN Program will be assigned a nursing faculty member who advises the student relative to course registration and other academic issues as needed. Making the transition from associate degree nursing to baccalaureate professional nursing can be challenging and as one of the steps to success, the program has designed a required course that facilitates that transition.

1. Credit by examination.
2. Credit by transfer. There is no limit to the amount of credits that can be transferred in.
3. Credit by escrow. Upon completion of 10 semester credit hours at Alderson Broaddus University in the Nursing major and a GPA of 2.5, the student may receive up to 40 semester hours of credit toward the required 120 credits necessary for graduation. Escrow credits are held in trust until the student demonstrates their academic competency as defined in the policy. These credits are granted for a block of coursework commensurate with the student's prior education and licensure.

- A. Each student's academic transcript will be evaluated by the academic advisor, in consultation with the registrar, for the following:
  - i. Original degree granting institution and/or other higher education institution where nursing classes are identifiable as "Nursing" on the transcript.
  - ii. A record of transcripts for nursing classes and applicable credits where a passing grade of "C" or better was obtained. No nursing credits will be accepted from courses where a grade of "D" or "F" was earned.
  - iii. Calculate the total number of academic credits for nursing courses.

**FOREIGN LANGUAGE:** Not required

**LIBERAL STUDIES PROGRAM:** As outlined on Liberal Studies Check Sheet.

**REQUIREMENTS FOR GRADUATION:** The student must earn a grade of B or higher in all required nursing courses and support courses, a 2.5 cumulative GPA and a 2.0 GPA in the major.

### **Nursing with School Nurse Certification Option:**

Through the cooperative efforts of the School of Nursing and School of Teacher

Education, a School Nurse Certification Option is offered. Graduates who have completed the requirements for this option and who have passed the NCLEX-RN Exam may apply for the certification from the West Virginia Department of Education through the School of Education

**Additional Required Courses:**

- Nursing 495 (2) Educational Foundations and School Law
- See School of Nursing Chairperson to complete required paperwork and fees to WV Department of Education. A clinical component is also required after graduation.

### **Petroleum Management**

leading to a Bachelor of Science Degree

**Required Courses:**

|                       |     |       |                                    |
|-----------------------|-----|-------|------------------------------------|
| Business              | 140 | (3)   | Introduction to Accounting I       |
| Business              | 160 | (3)   | Introduction to Management         |
| Business              | 235 | (3)   | Human Resource Management          |
| Business              | 275 | (3)   | Operation Management               |
| Business              | 500 | (3-6) | Business Internship                |
| OR                    |     |       |                                    |
| Environmental Science | 500 | (3-6) | Environmental Science Internship   |
| Environmental Science | 210 | (4)   | Environmental Science I*           |
| Environmental Science | 340 | (3)   | Environmental Policy & Regulation* |
| Environmental Science | 350 | (3)   | Applied Environmental Regulation   |
| Environmental Science | 356 | (4)   | Introduction to GIS                |
| Environmental Science | 420 | (4)   | Wetlands Ecology and Regulation    |
| Environmental Science | 430 | (3)   | Environmental Risk Analysis        |
| Geology               | 350 | (3)   | Hydrogeology                       |
| OR                    |     |       |                                    |
| Environmental Science | 335 | (3)   | Watershed Hydrogeology             |
| Mathematics           | 261 | (3)   | Statistics for Biologists*         |
| Philosophy            | 340 | (3)   | Environmental Ethics*              |

An earned Associate of Applied Science degree in Petroleum Technology is required.

Among the REQUIREMENTS FOR GRADUATION, the student must have a 2.0 GPA in the major and successfully complete comprehensive program examination. An internship with an approved business, agency or other organization involved in the petroleum industry is recommended.

\*Indicates courses that also meet Liberal Studies requirements.

### **Physical Education**

leading to a Bachelor of Arts Degree

### **Physical Education Teaching Specialization**

**Required Courses:**

|                    |     |     |   |
|--------------------|-----|-----|---|
| Biology            | 110 | (4) | Introduction to Biology*                                    |
| Biology            | 111 | (3) | Human Biology   |
| Health Education   | 250 | (3) | Personal Health*  |
| Physical Education | 200 | (3) | Philosophy & Orientation in Physical Education & Recreation |
| Physical Education | 220 | (2) | Elementary Physical Education                               |

|                    |     |     |  |
|--------------------|-----|-----|--|
| Physical Education | 253 | (3) | Teaching Physical Education Content in the areas of Team and Individual Sports |
| Physical Education | 281 | (1) | Square and Folk Dancing  |
| Physical Education | 310 | (3) | Physiology of Exercise for Physical Education                                  |
| Physical Education | 320 | (3) | Kinesiology for Physical Education   |
| Physical Education | 325 | (3) | Adapted Physical Education/Recreation  |
| Physical Education | 335 | (2) | Safety and First Aid   |
| Physical Education | 350 | (1) | Assisting in Physical Education  |
| Physical Education | 360 | (3) | Psychological & Sociological Principles of Physical Education                  |
| Physical Education | 400 | (3) | Organization, Administration, and Management                                   |
| Physical Education | 420 | (3) | Tests and Measurements in Physical Education                                   |

**PLUS ONE OF THE FOLLOWING COURSES:**

|            |     |     |                         |
|------------|-----|-----|-------------------------|
| Psychology | 190 | (3) | General Psychology*     |
| Psychology | 230 | (3) | Human Adjustment        |
| Psychology | 400 | (3) | Social Psychology       |
| Psychology | 430 | (3) | Counseling and Guidance |

**PLUS ONE OF THE FOLLOWING COURSES:**

|                    |     |     |                       |
|--------------------|-----|-----|-----------------------|
| Physical Education | 211 | (1) | Intermediate Swimming |
| Physical Education | 212 | (1) | Advanced Swimming     |
| Physical Education | 371 | (3) | Lifeguarding          |

PLUS

**The Professional Education requirements:**

|                   |     |      |  |
|-------------------|-----|------|--|
| Education         | 190 | (3)  | 21st Century Learning Tools: Computer Skills for Teachers* |
| Education         | 220 | (3)  | Foundations of Education in a Multi-Cultural Society       |
| Education         | 313 | (1)  | Physical Education Methods Pre K Elementary learners       |
| Education         | 320 | (1)  | Middle Schools: Design and Issues                          |
| Education         | 329 | (1)  | Lab – Middle Childhood (5-9 Level)                         |
| Education         | 333 | (2)  | Physical Education Methods Grades 5-Adult learners         |
| Education         | 388 | (3)  | Methods, Assessment and Management for the K-12 Teacher    |
| Reading           | 300 | (3)  | Reading in the Secondary Schools                           |
| Special Education | 200 | (3)  | Areas of Exceptionality in Special Education               |
| Special Education | 340 | (3)  | Creating Inclusive Classrooms: Strategies for Teachers     |
| Education         | 500 | (12) | Student Teaching   |
| Education         | 550 | (1)  | Seminar in the Philosophy of Teaching                      |

PLUS:

Among REQUIREMENTS FOR GRADUATION - completion of the Liberal Studies Program

Indicates course that also meet Liberal Studies requirements

## **Health Education Pre K-Adult Specialization**

**Must be coupled with the Physical Education major.**

Required Courses (required in addition to Physical Education program):

|                    |     |     |  |
|--------------------|-----|-----|--|
| Health Education   | 280 | (2) | Contemporary Health Issues               |
| Health Education   | 350 | (3) | School Health and School Health Programs |
| Health Science     | 260 | (3) | Nutrition                                |
| Health Science     | 400 | (3) | Community Health Education and Promotion |
| Physical Education | 270 | (1) | Personal Wellness and Fitness            |

PLUS:

Professional Education requirements for Physical Education

PLUS:

|           |     |     |  |
|-----------|-----|-----|--|
| Education | 317 | (1) | Health Education Methods Pre K-Elementary Learners |
| Education | 337 | (1) | Health Education Methods Grades 5-Adult Learners   |

## **Political Science**

leading to a Bachelor of Arts Degree

Required Courses:

|                   |     |     |                                    |
|-------------------|-----|-----|------------------------------------|
| Economics         | 201 | (3) | Macroeconomics                     |
| Political Science | 190 | (3) | Introduction to Political Science* |
| Political Science | 200 | (3) | American National Government       |
| Political Science | 220 | (3) | International Studies              |
| Political Science | 550 | (3) | Seminar in Political Science       |
| Psychology        | 260 | (3) | Statistics & Data Analysis*        |
| Sociology         | 250 | (3) | Social Science Research Methods    |

PLUS THREE COURSE FROM ANY CATEGORY **AND** FIVE OTHER COURSES ON THIS LIST:

### **International Relations:**

|                   |                   |     |   |
|-------------------|-------------------|-----|---|
| Political Science | 330               | (3) | International Relations (Track Required)  |
| Political Science | 340               | (3) | International Law   |
| Political Science | 490               | (3) | Political Theory  |
| Religion          | 360               | (3) | Christian Church through the Ages   |
| History           | 320 or 340 or 420 | (3) | Europe in the Middle Ages or 17th and 18th Centuries or 19th and 20th Centuries |

### **Comparative Politics:**

|                       |         |     |   |
|-----------------------|---------|-----|---|
| Political Science     | 320     | (3) | Comparative Government (Track required) |
| Political Science     | 225/425 | (3) | American Elections                      |
| Religion              | 280     | (3) | Religions of the World*                 |
| English               | 365     | (3) | 19th & 20th Century World Masterpieces* |
| History               | 375     | (3) | Modern Latin America                    |
| International Studies | 390     | (4) | Seminar in Contemporary Europe          |
| Geography             | 300     | (3) | World Geography                         |

### **American (Pre-Law Track)**

|                   |         |     |                           |
|-------------------|---------|-----|---------------------------|
| Political Science | 415     | (3) | American Foreign Politics |
| Political Science | 225/425 | (3) | American Elections        |

|                   |     |     |                                 |
|-------------------|-----|-----|---------------------------------|
| Political Science | 490 | (3) | Political Theory                |
| Political Science | 310 | (3) | Constitutional Law              |
| History           | 400 | (3) | U.S. in the 20th Century        |
| Sociology         | 320 | (3) | Minorities                      |
| Criminal Justice  | 320 | (3) | Corrections in the 21st Century |
| Criminal Justice  | 450 | (3) | Criminal Courts & Procedures    |

FOREIGN LANGUAGE: Three semesters of one modern foreign language are required (see policy on placement in courses.)

Among REQUIREMENTS FOR GRADUATION: Completion of the Liberal Studies Program. The student must have a 2.00 GPA in the major and must pass a comprehensive examination.

\*Indicates courses that also meet Liberal Studies requirements.

### **Psychology** **leading to a Bachelor of Arts Degree**

Required Courses:

|            |     |     |                                   |
|------------|-----|-----|-----------------------------------|
| Psychology | 190 | (3) | General Psychology*               |
| Psychology | 220 | (3) | Human Development                 |
| Psychology | 260 | (3) | Statistics and Data Analysis      |
| Psychology | 301 | (3) | Principles Learning               |
| Psychology | 310 | (3) | History and Systems of Psychology |
| Psychology | 360 | (3) | Research Methods                  |
| Psychology | 420 | (3) | Abnormal Psychology               |
| Psychology | 550 | (3) | Seminar in Psychology             |

Plus 12 hours of credit from the options listed below, so that a minimum of 36 credit hours in psychology is completed.

|            |         |     |                                |
|------------|---------|-----|--------------------------------|
| Psychology | 230     | (3) | Human Adjustment               |
| Psychology | 303     | (3) | Physiological Psychology       |
| Psychology | 395     | (3) | Death and Dying                |
| Psychology | 400     | (3) | Social Psychology              |
| Psychology | 430     | (3) | Counseling Theories and Skills |
| Psychology | 500     | (2) | Field Practicum                |
| Psychology | 560/600 | (3) | Guided and Independent Study   |

Allied Fields: Four courses in TWO allied fields (two courses in each field) to be chosen from among offerings in: Economics, Geography, History\*, Political Science, Sociology

Foreign Language: Three semesters of one modern foreign language are required (see policy on placement in courses.)

Among REQUIREMENTS FOR GRADUATION: Completion of the Liberal Studies Program. The student must have a 2.00 GPA in the major and must pass a comprehensive examination.

\*Indicates courses that also meet Liberal Studies requirements.

## **Public Relations**

leading to a Bachelor of Arts Degree

### Required Courses

|               |     |     |  |
|---------------|-----|-----|--|
| Business      | 120 | (3) | Introduction to Marketing                    |
| Business      | 345 | (3) | Marketing Research                           |
| Communication | 150 | (3) | Interpersonal Communications                 |
| Communication | 175 | (3) | Broadcast Writing                            |
| Communication | 185 | (3) | Principles and Practices of Public Relations |
| Communication | 251 | (3) | Advertising                                  |
| Communication | 271 | (4) | Video Production I: Drama & Documentary      |
| Communication | 340 | (3) | Non-profit and Corporate PR Case Studies     |
| Communication | 350 | (3) | Social Media                                 |
| Communication | 355 | (3) | Mass Communication Law & Ethics              |
| Communication | 450 | (1) | Communication Assessment and Careers         |
| Communication | 500 | (3) | Internship                                   |
| Humanities    | 550 | (3) | Seminar in the Humanities                    |
| Journalism    | 210 | (3) | News Editing and Production                  |

Plus three credits from the following:

|            |     |     |                             |
|------------|-----|-----|-----------------------------|
| English    | 245 | (1) | Practicum in Grant Writing* |
| Journalism | 165 | (1) | Journalism Practicum I      |
| Journalism | 245 | (1) | Journalism Practicum II*    |

\*May be repeated for credit

\*\* Students who wish to major in Public Relations are also strongly encouraged to pick up a minor in another field to round out their PR education. Any minor would do, but common ones for PR minors might be Journalism, Video and Radio, Art or Business. In addition, Introduction to Management (BUSI-160) and Human Resource Management (BUSI-235) are strongly recommended, but not required, courses.

FOREIGN LANGUAGE: Four semesters of one modern foreign language are required. (See policy on placement in courses.)

Liberal Studies Program: As outlined on Liberal Studies Check Sheet with the following exceptions:

- ENGL-260, Technical Writing should be taken to fulfill Goal I-A.2
- COMM-130 Introduction to Public Speaking should be taken to fulfill Goal 1-A.3
- ART-135, Introduction to Digital Photography, should take fulfill Goal II-F.

Among REQUIREMENTS FOR GRADUATION: Completion of the Liberal Studies Program. The student must have a 2.00 GPA in the major.

## **Sport Management**

leading to a Bachelor of Arts Degree

### Required Courses:

|                  |     |     |   |
|------------------|-----|-----|---|
| Sport Management | 200 | (3) | Introduction to Sport Management                    |
| Sport Management | 255 | (3) | Sport Law and Ethics                                |
| Sport Management | 320 | (3) | Administration and Governance of Sport Organization |
| Sport Management | 330 | (3) | Advertising, Public Relations in Sport Management   |
| Sport Management | 340 | (3) | Budget and Finance of Sport Management              |



|                                       |     |                                       |   |
|---------------------------------------|-----|---------------------------------------|---|
| Sport Management                      | 400 | (3)                                   | Management of Sport Organization and Program Planning |
| Sport Management                      | 410 | (3)                                   | Seminar of Current Issues in Sport Management         |
| Sport Management                      | 420 | (3)                                   | Sport Facility and Event Management                   |
| Sport Management                      | 500 | (12)                                  | Sport Management Practicum                            |
|                                       |     |                                       | Requirements of any of the following minors:          |
| <u>      </u> Accounting              |     | <u>      </u> Entrepreneurial Studies |   |
| <u>      </u> Business Administration |     | <u>      </u> Marketing               |   |
|                                       |     |                                       | OR  |
|                                       |     |                                       | Requirements of a Business Major                      |

Foreign Language: Not Required

Liberal Studies Program: As outlined on [Liberal Studies Check Sheet](#)

Among Requirements for Graduation, the student must have a 2.00 GPA in the major and must pass a comprehensive exam.

## **STUDIO ARTS**

leading to a Bachelor of Arts degree

STUDENTS MUST CONCENTRATE IN AT LEAST ONE OF THE FOLLOWING AREAS:

Digital Arts, Drawing, Painting, Printmaking, or Photography

Required Courses:

|            |                                  |     |  |
|------------|----------------------------------|-----|--|
| Art        | 100                              | (3) | Art Fundamentals                       |
| Art        | 105                              | (1) | Success in Visual Arts                 |
| Art        | 115                              | (3) | Drawing I                              |
| Art        | 118                              | (3) | Printmaking I                          |
| Art        | 120                              | (3) | Painting I                             |
| Art        | 135                              | (3) | Photography I                          |
| Art        | 150                              | (3) | Introduction to Digital Arts*          |
| Art        | 200                              | (3) | Art History I                          |
| Art        | 210                              | (3) | Art History II                         |
| Art        | 255                              | (3) | Web Design                             |
| Art        | 315, 318,<br>320, 335,<br>or 380 | (3) | Advanced Studio in Concentration Topic |
| Art        | 460                              | (3) | Solo Exhibit                           |
| Art        | 510                              | (1) | Professional Practices Seminar         |
| Humanities | 550                              | (3) | Seminar in the Humanities              |

**OFF-CAMPUS SHOW OF WORK:** All students are required to independently arrange a show of at least one piece of their artwork in a venue off campus during the course of their program. Venue must be approved by the student's advisor.

**COMMUNITY SERVICE PROJECT:** All students are required to participate in a project that engages or serves a specific community during the course of their program. This project can be a joint effort by more than one Studio Arts major. Projects must be approved by the student's advisor.

**EXIT INTERVIEW:** Students must participate in an exit interview as a requirement for graduation.

**PORTFOLIO REVIEW:** In order to continue into the second year of the program, all students must submit for faculty review a portfolio of creative work completed during the first year of the program. Students who do not pass this review will have the option of transferring to another major program at Alderson Broaddus but will not be allowed to continue in the Studio Arts major. Portfolio Review occurs during finals week of the student's second semester (usually the spring of the first year). Timing of the review for transfer students will be determined on a case-by-case basis.

**FOREIGN LANGUAGE:** Four semesters of one modern foreign language are required.

Among **REQUIREMENTS FOR GRADUATION:** Completion of the Liberal Studies Program. The student must have a 2.00 GPA in the major.

## **ASSOCIATE DEGREE PROGRAMS**

### **ACADEMIC POLICIES for Associate Degrees**

1. Cumulative grade point average of 2.00 in all courses required for graduation
2. All prerequisites must be met for admission to specific courses
3. Admissions standards are identical to those in effect for bachelor's degree program.
4. Associate degree students will be eligible for consideration for Dean's List on the same basis as bachelor-degree students.
5. Associate degree students will be eligible for consideration for class honors on the same basis as bachelor-degree students.
6. No more than four one-credit courses may be counted among the electives selected to meet graduation requirements.
7. Twenty of the last forty semester hours must be taken under auspices of Alderson Broaddus University.

## **BUSINESS**

leading to an Associate of Science Degree

### **Required Courses:**

|            |     |     |                               |
|------------|-----|-----|-------------------------------|
| Business   | 120 | (3) | Introduction to Marketing     |
| Business   | 140 | (3) | Introduction to Accounting I  |
| Business   | 150 | (3) | Introduction to Accounting II |
| Business   | 160 | (3) | Introduction to Management    |
| Business   | 250 | (3) | Ethics in Business            |
| Business   | 281 | (3) | Business Law I                |
| Business   | 290 | (3) | International Business        |
| Economics  | 201 | (3) | Macro-Economics               |
| Psychology | 260 | (3) | Statistics and Data Analysis* |

**PLUS THREE** other courses from any other **BUSINESS OFFERING**

**EDUCATION**leading to an Associate of Arts Degree

|                   |     |     |  |
|-------------------|-----|-----|--|
| Education         | 220 | (3) | Foundations for American Education*  |
| Special Education | 200 | (3) | Areas of Exceptionality in Special Education*  |
| Education         | 260 | (3) | Psychological Foundations and Development in Early Childhood and Adolescence* and ** |
| Education         | 190 | (3) | Introduction to Computer and Technology Applications for Teachers**                  |

\*Courses which include a 10- 20 hour field experience in the schools requirement

PLUS: 6 additional credit hours in education or related areas (see list of approved courses below)

|      |     |     |  |
|------|-----|-----|--|
| Art  | 245 | (2) | Theory and Methods of Art Education ** |
| HEED | 350 | (2) | School Health & School Health Programs |
| MUED | 200 | (3) | Music for Classroom Teachers **        |
| PHED | 220 | (2) | Elementary Physical Education          |
| Math | 221 | (3) | Mathematics for Teachers I**           |
| Math | 222 | (3) | Mathematics for Teachers II**          |

\*\*Indicates course that also meet Liberal Studies requirements

LIBERAL STUDIES COURSES PROGRAM: As outlined on appropriate Liberal Studies Check Sheet. (English 200, Communication 130 and Education 190 are required for Associate of Education majors in fulfilling the liberal studies requirements.)

**ADDITIONAL CREDIT REQUIREMENTS:**

Only credits towards liberal studies requirements towards a Bachelor degree, OR credits towards a School Teacher Education approved content specialization area, OR credits towards professional education requirements, will be counted for the remaining credits of the Associate of Education Degree.

**REQUIREMENTS FOR GRADUATION:**

- The student must complete a minimum of 62 credit hours;
- The student must have a grade point average of 2.00 in the major course work.

## **GENERAL STUDIES**

leading to an Associate of Arts Degree

### Required Courses:

- Twenty-one semester hours in one of the three liberal studies areas: Humanities and Music, Natural Sciences, Social Sciences
- Fifteen semester hours in each of the other two liberal studies areas: Humanities, Natural Sciences, Social Sciences
- The Liberal Studies Check Sheet for Associates Degrees must be completed.

Among the REQUIREMENTS FOR GRADUATION, the student must have at least 60 semester hours and a 2.00 average.

## **The Liberal Studies Program for Bachelor Degrees Majors**

- All degree-earning students are required to meet the following goals by completing the Liberal Studies Program.
- Choose one course for each Goal unless otherwise indicated.
- **“Double counting” is allowed between liberal studies courses and courses required in a student’s major** and (if elected) minor. This means that the same course may be used for meeting both a major’s requirement and a liberal studies requirement.
- Group I A Goal requires a grade of C or better in all requirements except for COMM-140
- Students in the Honors Program may use HONR-200 and HONR-400 courses to meet Goals II-B.2, II-C.1, and II-C.2.

The goals and their respective course offerings are as follows:

### **Group I Goals**

By successfully completing a proficiency test, a student may bypass a course or courses in Group I and thus meet the related goal. Students bypassing courses in Group I do NOT receive academic credit.

#### **A.** Demonstration of effective use of written and spoken English

(By-pass or 9 semester hours):

- 3 semester hours from English 190
- 3 semester hours from English 200, 260
- 3 semester hours from Communication 130, 140

#### **B.** Demonstration of basic skills in the use of mathematics to solve problems encountered in a technological society (by-pass or 3 semester hours):

- 3 semester hours from Mathematics 111, 113, 120, 221, Environ. Sci 356, Psychology 260

#### **C.** Demonstration of basic computer literacy in areas such as word processing/data base management/basic programming (by-pass or 3 semester hours):

- 3 semester hours from Computer Science 110, 134, 225, 261, Education 190, Env Science 365

### **Group II Goals**

All students are required to successfully complete course work as indicated for each goal in Group II.

#### **A.** Demonstration of ability to apply scientific method to investigation of the natural world and understanding of conclusions which result concerning the nature of the universe. A student must pass both the lecture and the laboratory components of a course.

- 4 credit hours from Astronomy 190, Biology 110, 210, Chemistry 190, 200, Environmental Science 210, Geology 190, Natural Science 185, 190, 210, Physics 211, 221

**B.** Demonstration of basic understandings of the role of philosophical reflection and Christian commitment in world view and in the moral and ethical valuing and decision-making of the individual and society.

3 semester hours from Religion 290, 295, 350, 360

3 semester hours from Philosophy 190, 310, 320,340, 391, Religion280

**C.** Demonstration of basic understanding of humans as social, psychological, and political beings responsible for their own economic, social, political structures, and organization.

3 semester hours from Education 260; Psychology 190, 220; Sociology 190

3 semester hours from Economics 201, 211; Environmental Science 340; Political Science 190, 200, 210, 220

**D.** Demonstration of an understanding of Western historical tradition in a global context.

3 semester hours from History 150,160, 200, 210,220,230, 250, 260, 270,

280, 290, 310, 315, 320,325, 340,350, 360, 365, 370,375,390,400,410,420;

International Studies 160; Philosophy/Political Science 400, 420.

**E.** Demonstration of understanding of the value and role of human expression as found in literature.

3 semester hours from English 220, 225, 281, 282, 283, 284, 290, 350, 355, 360, 365, 370, 375, 390.

**F.** Demonstration of an understanding of the value and role of aesthetic expression as found in the fine arts.

3 semester hours from: Art 100, 115, 118, 120, 125, 135, 150, 190, 200, 210,

211, 212, 214, 215, 220, 225, 315, 320, 325, 390; English 230; Music 100, 121,

190; Applied Music 130, 151-154, 221, 222, 223, 230, 235, 236, 240, 250, 251,

260; Music Education 200; Communication 190, 360.

### **Group III Goals**

Group III goals are process goals that will be accomplished throughout a student's college career, especially within the student's major program of study. All courses in the curriculum have been designed with these goals in mind. Therefore specific courses are not listed under each of the following goals

**A.** Development of the ability to learn; development of information literacy and the ability to build knowledge bases for specific purposes; the overall development of lifelong learning skills

**B.** Development of basic skills in logical, creative and critical thinking as well as problem solving

### **The Liberal Studies Program for Associate Degree Majors**

- All associate degree students are required to meet the same liberal studies Goal s by completing the Associate Degree Liberal Studies Program during their collegiate education.
- No courses can be counted as meeting more than one Goal. However, double counting will be permitted between liberal studies courses and courses required in a student's major and (if elected) minor.
- Three credits must be earned in each Goal area with the exception of Goal IIF. Goal IIF requires that 2 credit hours are earned, at least one credit from each area.

The goals and their respective course offerings are as follows:

### **Group 1 Goals**

**A.** Demonstration of effective use of written and spoken English including the appropriate information literacy learning outcomes. Group I A Goal requires a grade of C or better in all requirements except for COMM-140

3 semester hours from English 190

3 semester hours from English 200, 260

3 semester hours from Speech 130

**B.** Demonstration of basic skills in the use of mathematics to solve problems encountered in a technological society (by-pass or 3 semester hours):

3 semester hours from Mathematics 111, 113, 120, 221, Psychology 260

**C.** Demonstration of basic computer literacy in areas such as word processing/data base management/basic programming (by-pass or 3 semester hours):

3 semester hours from Computer Science 110, 225, 261; Education-190

### **Group II Goals**

All students are required to successfully complete course work as indicated for each goal in Group II.

**A.** Demonstration of ability to apply scientific method to investigation of the natural world and understanding of conclusions which result concerning the nature of the universe. A student must pass both the lecture and the laboratory components of a course.

3 credit hours from Astronomy 190; Biology 110, 210, Chemistry 190, 200,

Environmental Science 210, Geology 190; Natural Science 185, 190, 210;

Physics 211, 221,

**B.** Demonstration of basic understandings of the role of philosophical reflection and Christian commitment in world view and in the moral and ethical valuing and decision-making of the individual and society.

3 semester hours from Religion 290, 295, 350, 360, Philosophy 190, 310, 320, 340,391, Religion 280.

**C.** Demonstration of basic understanding of humans as social, psychological and political beings responsible for their own economic, social, political structures and organization.

3 semester hours from; Education 260; Psychology 190, 220; Sociology 190,

Economics 201, 211; Political Science 190, 200, 210

**D.** Demonstration of an understanding of Western historical tradition as the context which shapes experience, meanings and values.

3 semester hours from History 150, 160, 200, 210, 220

**E.** Demonstration of understanding of the value and role of human expression as found in literature.

3 semester hours from English 220, 281, 282, 283, 284, 285, 290, 350, 355, 360, 365, 370, 375, 390.

**F.** Demonstration of an understanding of the value and role of aesthetic expression as found in the fine arts and demonstration of understanding and application of the principles of physical and/or mental health and fitness. Two semester hours are required, with at least one semester hour from each area.

**AREA 1:** Art 100, 115, 118, 120, 125, 130, 135, 150, 190, 200, 210, 212, 215, 220, 225, 315, 320, 325; English 230; Music 100, 121, 190; Applied Music 130, 151-154, 221, 222, 223, 230, 240, 250, 251, 260; Music Education 200; Communication 191,210,291,292.

**AREA 2:** Health Education 250; 350; Physician Assistant Studies 560; Nursing 202; Physical Education 190, 211, 212, 232, 233, 236, 242, 244, 263, 264, 265, 266, 267, 268, 269, 270, 274, 277, 281; Psychology 230; Communication 150.

**Group III Goals** are not required of students earning an associate degree.

# MINORS

## Accounting

Required courses:

|          |     |     |                               |
|----------|-----|-----|-------------------------------|
| Business | 140 | (3) | Introduction to Accounting I  |
| Business | 150 | (3) | Introduction to Accounting II |
| Business | 260 | (3) | Intermediate Accounting       |
| Business | 300 | (3) | Cost Accounting               |
| Business | 410 | (3) | Federal Income Tax I          |

PLUS ONE OF THE FOLLOWING COURSES:

|          |     |     |                            |
|----------|-----|-----|----------------------------|
| Business | 265 | (3) | Intermediate Accounting II |
| Business | 311 | (3) | Auditing I                 |
| Business | 415 | (3) | Federal Income Tax II      |

## Athletic Coaching

Required courses:

|                    |     |     |  |
|--------------------|-----|-----|--|
| Athletic Training  | 270 | (3) | Athletic Injury Control and Management   |
| Health Science     | 260 | (3) | Nutrition  |
| Health Science     | 261 | (1) | Strength Training and Conditioning   |
| Physical Education | 253 | (3) | Teaching Physical Education Content in the areas of Team and Individual Sports |
| Physical Education | 280 | (3) | Coaching: Theory, Tactics, Officiating and Legal Aspects                       |
| Physical Education | 335 | (2) | Safety and First Aid   |
| Physical Education | 500 | (4) | Internship   |

## Audio Engineering

Required Courses:

THREE OF THE FOLLOWING COURSES:

|               |     |     |                       |
|---------------|-----|-----|-----------------------|
| Communication | 155 | (3) | Intro to Broadcasting |
| Communication | 271 | (3) | Video Production      |

PLUS:

Recording Workshop Courses (Off Campus)

|     |     |     |  |
|-----|-----|-----|--|
| MUS | 310 | (9) | Recording Engineering/Music Production (5 weeks) |
| MUS | 311 | (1) | Recording Studio Maintenance (1 week)            |

*Recording Workshop Courses are transferred to Alderson Broaddus through Capital University*

## Biology

Required courses:

|         |     |     |                    |
|---------|-----|-----|--------------------|
| Biology | 210 | (4) | General Biology I  |
| Biology | 211 | (4) | General Biology II |
| Biology | 240 | (4) | Microbiology       |

PLUS SIX HOURS OF BIOLOGY COURSES, FOUR HOURS OF WHICH MUST BE 300 LEVEL OR ABOVE

## Business Administration

Required courses:

|          |     |     |                              |
|----------|-----|-----|------------------------------|
| Business | 140 | (3) | Introduction to Accounting I |
| Business | 160 | (3) | Introduction to Management   |

**PLUS ONE OF THE FOLLOWING COURSES:**

|           |     |     |                 |
|-----------|-----|-----|-----------------|
| Economics | 201 | (3) | Macro-Economics |
| Economics | 211 | (3) | Micro-Economics |

**PLUS ONE OF THE FOLLOWING COURSES:**

BUSI 275 (3) Operations Management

BUSI 355 (3) Management Science

**PLUS ONE OF THE FOLLOWING COURSES:**

|            |     |     |                               |
|------------|-----|-----|-------------------------------|
| Business   | 120 | (3) | Introduction to Marketing     |
| Business   | 235 | (3) | Human Resource Management     |
| Business   | 250 | (3) | Ethics in Business            |
| Business   | 281 | (3) | Business Law I                |
| Psychology | 260 | (3) | Statistics and Data Analysis* |

**Chemistry**

|           |     |     |                      |
|-----------|-----|-----|----------------------|
| Chemistry | 200 | (4) | General Chemistry I  |
| Chemistry | 210 | (4) | General Chemistry II |

**PLUS**

|           |     |     |                      |
|-----------|-----|-----|----------------------|
| Chemistry | 310 | (4) | Organic Chemistry I  |
| Chemistry | 311 | (4) | Organic Chemistry II |

**OR**

|           |     |     |                                 |
|-----------|-----|-----|---------------------------------|
| Chemistry | 300 | (4) | Principles of Organic Chemistry |
| Chemistry | 370 | (4) | Biochemistry                    |

**PLUS:**

One other Chemistry Course with a lab above the CHEM-210 level.

**Communications****Required Courses:**

|               |     |     |                                 |
|---------------|-----|-----|---------------------------------|
| Communication | 130 | (3) | Introduction to Public Speaking |
| Communication | 150 | (3) | Interpersonal Communications    |

**PLUS THREE OF THE FOLLOWING COURSES:**

|               |     |     |   |
|---------------|-----|-----|---|
| Humanities    | 280 | (3) | Principles of Human Communication             |
| Communication | 155 | (3) | Introduction to Mass Communication            |
| Communication | 175 | (3) | Media Writing                                 |
| Communication | 185 | (3) | Principles and Practices of Public Relations  |
| Communication | 271 | (4) | Video Production I                            |
| Communication | 320 | (3) | Debate: Critical Thinking and Problem Solving |
| Communication | 330 | (3) | Dynamics of Advanced Oral Communications      |
| Communication | 340 | (3) | Non-Profit and Corporate PR Case Studies      |
| Communication | 355 | (3) | Mass Communications Law and Ethics            |
| Communication | 360 | (3) | Oral Interpretation                           |
| Communication | 370 | (4) | Video Production II: Experimental Works       |

**PLUS THREE HOURS FROM THE FOLLOWING COURSES:**

|               |     |     |                                     |
|---------------|-----|-----|-------------------------------------|
| Communication | 160 | (1) | Analysis and Performance in Theater |
| Communication | 170 | (1) | Intercollegiate Debate              |
| Communication | 180 | (1) | Individual Events                   |
| Communication | 220 | (1) | Media Practicum                     |

\*All courses in this block may be repeated indefinitely for credit within this requirement.



## **Computer Science**

|                  |     |     |   |
|------------------|-----|-----|---|
| Computer Science | 110 | (4) | Introduction to Computer Science*           |
| Computer Science | 120 | (4) | Introduction to Object-Oriented Programming |
| Computer Science | 210 | (3) | Fundamental Software Design                 |
| Computer Science | 330 | (3) | Data Structures and Algorithms              |

PLUS TWO ADDITIONAL COMPUTER SCIENCE COURSE ABOVE CSCI-120

## **Creative Writing**

Required Courses:

|         |     |     |                  |
|---------|-----|-----|------------------|
| English | 230 | (3) | Creative Writing |
| English | 230 | (3) | Creative Writing |
| English | 230 | (3) | Creative Writing |

PLUS TWO SEMESTER HOURS FROM THE FOLLOWING COURSES:

|         |     |     |   |
|---------|-----|-----|---|
| English | 240 | (1) | Practicum in Publication of Creative Work |
| English | 240 | (1) | Practicum in Publication of Creative Work |

PLUS TWO HOURS FROM THE FOLLOWING COURSES:

|         |     |     |                                       |
|---------|-----|-----|---------------------------------------|
| English | 281 | (3) | Forms of Literature: Drama            |
| English | 282 | (3) | Forms of Literature: Nonfiction Prose |
| English | 283 | (3) | Forms of Literature: Fiction          |
| English | 284 | (3) | Forms of Literature: Poetry           |

## **Criminal Justice**

Required Courses:

|                  |     |     |                                  |
|------------------|-----|-----|----------------------------------|
| Criminal Justice | 200 | (3) | Introduction to Criminal Justice |
| Criminal Justice | 210 | (3) | Crime and Deviance               |
| Criminal Justice | 340 | (3) | Principles of Criminal Law       |

PLUS ONE OF THE FOLLOWING COURSES:

|                  |     |     |                                       |
|------------------|-----|-----|---------------------------------------|
| Criminal Justice | 300 | (3) | Law Enforcement and Police Operations |
| Criminal Justice | 320 | (3) | Correctional Systems                  |

PLUS ONE OF THE FOLLOWING COURSES:

|                  |     |     |                                    |
|------------------|-----|-----|------------------------------------|
| Criminal Justice | 390 | (3) | Special Topics in Criminal Justice |
| Criminal Justice | 410 | (3) | Ethics in Criminal Justice         |
| Criminal Justice | 450 | (3) | Criminal Courts and Procedures     |

## **Digital Arts**

Required Courses:

|                      |     |     |   |
|----------------------|-----|-----|---|
| Art                  | 100 | (3) | Art Fundamentals                            |
| Art                  | 135 | (3) | Photography 1: Intro to Digital Photography |
| Art                  | 150 | (3) | Digital Arts I: Intro to the Digital Arts   |
| Art/Computer Science | 250 | (3) | Media Computation                           |
| Art/Computer Science | 255 | (3) | WebMastering                                |
| Art/Computer Science | 381 | (3) | Computer Animation                          |

## **Education**

**Required courses:**

|                   |     |     |  |
|-------------------|-----|-----|--|
| Education         | 220 | (3) | Foundations of Education in a Multi-Cultural Society                             |
| Education         | 190 | (3) | Intro to Computer & Technology Applications for Teachers                         |
| Special Education | 200 | (3) | Areas of Exceptionality in Special Education                                     |
| Education         | 260 | (3) | Psychological Foundations and Development of Early Childhood through Adolescence |

**OR**

Psychology 220 (3) Human Development  
 PLUS THREE HOURS IN EDUCATION OR RELATED AREAS as approved by School of  
 Teacher Education Chairperson

**Entrepreneurship**

Required Core:

|          |     |     |                                  |
|----------|-----|-----|----------------------------------|
| Business | 108 | (3) | Introduction to Entrepreneurship |
| Business | 140 | (3) | Introduction to Accounting I     |
| Business | 150 | (3) | Introduction to Accounting II    |
| Business | 180 | (1) | Introduction to QuickBooks       |
| Business | 380 | (3) | Entrepreneurial Finance          |
| Business | 480 | (3) | New Entrepreneurial Venture      |

PLUS ONE OF THE FOLLOWING COURSES:

|                |     |     |  |
|----------------|-----|-----|--|
| _____ Business | 500 | (3) | Business Internship (entrepreneur focused) |
| _____ Business | 390 | (3) | Special Topics in Entrepreneurship         |

\*Students working towards this minor are strongly encouraged to take ECON 201  
 Macroeconomics as their Liberal Studies requirement for Goal II-C.2.

**Environmental Science**

Required courses:

|                       |     |     |                                   |
|-----------------------|-----|-----|-----------------------------------|
| Environmental Science | 210 | (4) | Environmental Science             |
| Environmental Science | 340 | (3) | Environmental Policy & Regulation |
| Environmental Science | 420 | (4) | Wetlands Ecology and Regulations  |

Plus 6 additional credits from other ENVS courses.

**Geographic Information Systems (GIS)**

Required courses:

|                       |     |     |                     |
|-----------------------|-----|-----|---------------------|
| Environmental Science | 356 | (4) | Introduction to GIS |
| Environmental Science | 465 | (4) | Advanced GIS        |

Plus three classes from the following:

|                       |     |     |   |
|-----------------------|-----|-----|---|
| Computer Science      | 110 | (4) | Introduction to Computer Science*             |
| Computer Science      | 120 | (4) | Introduction to Object-Oriented Programming   |
| Computer Science      | 240 | (3) | Web and Mobile Application Development        |
| Environmental Science | 405 | (4) | Applied Remote Sensing                        |
| Geography             | 200 | (3) | Principles of Physical and Human<br>Geography |
| Geography             | 300 | (3) | World Geography                               |
| Mathematics           | 261 | (3) | Statistics for Biologists                     |
| Natural Science       | 210 | (4) | Physical Geography                            |

**Healthcare Administration**

Required courses:

|                |     |     |                              |
|----------------|-----|-----|------------------------------|
| Business       | 140 | (3) | Introduction to Accounting I |
| Business       | 170 | (3) | Healthcare Administration    |
| Business       | 175 | (3) | Health Insurance             |
| Health Science | 100 | (2) | Healthcare Terminology       |

PLUS TWO OF THE FOLLOWING COURSES:

|            |     |     |                               |
|------------|-----|-----|-------------------------------|
| Business   | 120 | (3) | Introduction to Marketing     |
| Business   | 235 | (3) | Human Resource Management     |
| Business   | 250 | (3) | Business Ethics               |
| Business   | 281 | (3) | Business Law I                |
| Psychology | 260 | (3) | Statistics and Data Analysis* |

|  |     |     |                 |
|--|-----|-----|-----------------|
| Economics  | 201 | (3) | Macro-Economics |
| or   |     |     |                 |
| Economics  | 211 | (3) | Micro-Economics |
| ONLY ONE Economics course can be applied toward the minor. |     |     |                 |

## **History**

Required course:

- Choose four courses from the 100-400 level, one of which must be above the 300 level
- 1 seminar (500 level)

## **International Studies** (off campus)

Required courses:

|                       |     |     |                             |
|-----------------------|-----|-----|-----------------------------|
| German                | 100 | (4) | Conversational German       |
| International Studies | 380 | (4) | Seminar in European Studies |
| International Studies | 380 | (4) | Seminar in European Studies |

PLUS ONE OF THE FOLLOWING COURSES:

|                       |     |     |  |
|-----------------------|-----|-----|--|
| Business              | 290 | (3) | International Business                   |
| English               | 360 | (3) | World Literature                         |
| English               | 365 | (3) | 19th and 20th Century World Masterpieces |
| Geography             | 300 | (3) | World Geography                          |
| History               | 290 | (3) | Contemporary World                       |
| History               | 350 | (3) | World History                            |
| History               | 355 | (3) | Early Modern World History               |
| History/Religions     | 360 | (3) | Christian Church through the Ages        |
| History               | 365 | (3) | Modern World History                     |
| International Studies | 160 | (3) | Contemporary European Culture            |
| Political Science     | 320 | (3) | Comparative Governments                  |
| Political Science     | 340 | (3) | International Law                        |

## **International Studies** (on-campus)

Required Course:

|         |     |     |                 |
|---------|-----|-----|-----------------|
| History | 160 | (3) | Civilization II |
|---------|-----|-----|-----------------|

PLUS FIVE OF THE FOLLOWING COURSES:

|                   |     |     |  |
|-------------------|-----|-----|--|
| Business          | 290 | (3) | International Business                   |
| English           | 360 | (3) | World Literature                         |
| English           | 365 | (3) | 19th and 20th Century World Masterpieces |
| Geography         | 300 | (3) | World Geography                          |
| History           | 150 | (3) | World History to 1500                    |
| History           | 290 | (3) | Contemporary World                       |
| History           | 350 | (3) | World History                            |
| History           | 355 | (3) | Early Modern World History               |
| History/Religions | 360 | (3) | Christian Church through the Ages        |
| History           | 365 | (3) | Modern World History                     |
| Political Science | 320 | (3) | Comparative Governments                  |
| Political Science | 340 | (3) | International Law                        |

**Journalism**

## Required Courses:

|            |     |     |   |
|------------|-----|-----|---|
| Art        | 135 | (3) | Introduction to Digital Photography                           |
| English    | 250 | (3) | Advanced Grammar  |
| Journalism | 160 | (1) | Journalism Practicum  |
| Journalism | 165 | (1) | Advanced Journalism Practicum<br>(two registrations required) |
| Journalism | 200 | (3) | Introduction to Journalism                                    |
| Journalism | 210 | (3) | News Editing and Production                                   |

## PLUS THREE HOURS FROM THE FOLLOWING:

|               |     |     |  |
|---------------|-----|-----|--|
| Communication | 185 | (3) | Principles and Practices of Public Relations |
| Communication | 251 | (3) | Advertising                                  |

**Ministry and Leadership**

## Required Courses

|          |     |     |                                |
|----------|-----|-----|--------------------------------|
| Religion | 280 | (3) | Religions of the World         |
| Religion | 325 | (3) | Christian Theology             |
| Religion | 332 | (3) | Intro to Ministry & Leadership |
| Religion | 350 | (3) | Christian Service Practicum    |

## PLUS ONE OF THE FOLLOWING COURSES:

|          |     |     |                                  |
|----------|-----|-----|----------------------------------|
| Religion | 310 | (3) | Ethics                           |
| Religion | 323 | (3) | Pastoral Care                    |
| Religion | 335 | (3) | Christian Worship & Spirituality |
| Religion | 370 | (3) | Integration of Faith & Sports    |

## PLUS ANOTHER COURSE IN Philosophy or Religion

**Legal Studies**

## Required courses:

|                  |     |     |                                  |
|------------------|-----|-----|----------------------------------|
| Criminal Justice | 200 | (3) | Introduction to Criminal Justice |
|------------------|-----|-----|----------------------------------|

## PLUS TWO OF THE FOLLOWING COURSES:

|                   |     |     |                            |
|-------------------|-----|-----|----------------------------|
| Business          | 281 | (3) | Business Law I             |
| Criminal Justice  | 340 | (3) | Principles of Criminal Law |
| Political Science | 310 | (3) | Constitutional Law         |
| Political Science | 340 | (3) | International Law          |

## PLUS TWO OF THE FOLLOWING COURSES:

|               |     |     |                                 |
|---------------|-----|-----|---------------------------------|
| Legal Studies | 280 | (3) | American Legal History          |
| Legal Studies | 300 | (3) | Civil Rights and Liberties      |
| Legal Studies | 390 | (3) | Special Topics in Legal Studies |

**Literature**

## Three of the following:

|         |     |     |  |
|---------|-----|-----|--|
| English | 290 | (3) | Shakespeare  |
| English | 360 | (3) | World Literature                                       |
| English | 365 | (3) | Nineteenth and Twentieth Century World<br>Masterpieces |
| English | 375 | (3) | British Literature since 1785                          |
| English | 410 | (3) | Development of the English Language                    |

## PLUS TWO OF THE FOLLOWING COURSES:

|         |     |     |  |
|---------|-----|-----|--|
| English | 220 | (3) | Appalachian Literature                 |
| English | 225 | (3) | Ethnic Literature in the United States |
| English | 350 | (3) | Early American Literature              |
| English | 355 | (3) | Modern American Literature             |

## Marketing

Required courses:

|               |     |     |                           |
|---------------|-----|-----|---------------------------|
| Business      | 120 | (3) | Introduction to Marketing |
| Business      | 281 | (3) | Business in Law I         |
| Business      | 350 | (3) | Consumer Behavior         |
| Business      | 435 | (3) | Marketing Management      |
| Economics     | 201 | (3) | Macro-Economics           |
| Communication | 251 | (3) | Advertising               |

## Mathematics

Required courses:

|             |     |     |                         |
|-------------|-----|-----|-------------------------|
| Mathematics | 166 | (3) | Discrete Mathematics I  |
| Mathematics | 167 | (3) | Discrete Mathematics II |
| Mathematics | 231 | (4) | Calculus I              |
| Mathematics | 232 | (4) | Calculus II             |

PLUS ONE OF THE FOLLOWING COURSES:

|             |     |     |                        |
|-------------|-----|-----|------------------------|
| Mathematics | 312 | (3) | Algebraic Structures   |
| Mathematics | 315 | (3) | Linear Algebra         |
| Mathematics | 333 | (4) | Advanced Calculus      |
| Mathematics | 441 | (3) | Differential Equations |

## Music

**Required courses:**

|               |     |     |                                |
|---------------|-----|-----|--------------------------------|
| Applied Music | 155 | (1) | Beginning Piano                |
| Music         | 101 | (1) | Musicianship I                 |
| Music         | 112 | (1) | Foundations of Music Listening |
| Music         | 130 | (1) | Class Voice                    |
| Music         | 135 | (2) | Theory I                       |
| Music         | 190 | (2) | Introduction to Music          |

PLUS four semester hours chosen from the following (Note: private lessons must be on only one instrument or voice):

|               |     |          |            |
|---------------|-----|----------|------------|
| Applied Music | 181 | (1 or 2) | Brass      |
| Applied Music | 182 | (1 or 2) | Organ      |
| Applied Music | 183 | (1 or 2) | Percussion |
| Applied Music | 184 | (1 or 2) | Piano      |
| Applied Music | 185 | (1 or 2) | Voice      |
| Applied Music | 186 | (1 or 2) | Woodwind   |
| Applied Music | 187 | (1 or 2) | Guitar     |

\*lesson fee applied to semester bill

**PLUS three** semester enrollments chosen from the following:

(Ensemble participation is authorized by the ensemble director by audition.)

|               |     |     |                                    |
|---------------|-----|-----|------------------------------------|
| Applied Music | 221 | (1) | Brass Choir                        |
| Applied Music | 222 | (1) | Jazz Ensemble ( <i>inactive</i> )  |
| Applied Music | 223 | (1) | Woodwind Chamber Ensemble          |
| Applied Music | 225 | (1) | Brass Quintet                      |
| Applied Music | 230 | (1) | Concert Band                       |
| Applied Music | 240 | (1) | Concert Choir                      |
| Applied Music | 245 | (1) | Chamber Choir ( <i>inactive</i> )  |
| Applied Music | 250 | (1) | "The West Virginians"              |
| Applied Music | 255 | (1) | Vocal Quartets ( <i>inactive</i> ) |

|               |     |     |  |
|---------------|-----|-----|--|
| Applied Music | 260 | (1) | Chapel Choir ( <i>inactive</i> )         |
| Applied Music | 265 | (1) | Handbells                                |
| Applied Music | 270 | (1) | Touring Ensemble Lab ( <i>inactive</i> ) |

## **Political Science**

Required courses:

|                   |     |     |                                  |
|-------------------|-----|-----|----------------------------------|
| Political Science | 200 | (3) | American National Government     |
| Political Science | 310 | (3) | Constitutional Law               |
| Political Science | 410 | (3) | United States Diplomatic History |
| Political Science | 430 | (3) | Public Policy                    |
| Political Science | 440 | (3) | Political Ideologies             |

PLUS AT LEAST ONE OF THE FOLLOWING COURSES:

|                   |     |     |                                   |
|-------------------|-----|-----|-----------------------------------|
| Political Science | 320 | (3) | Comparative Government            |
| Political Science | 330 | (3) | International Relations and World |
| Political Science | 550 | (3) | Seminar in Political Science      |

PLUS AT LEAST ONE OF THE FOLLOWING COURSES:

|                   |     |     |  |
|-------------------|-----|-----|--|
| Political Science | 190 | (3) | Introduction to Political Science                |
| Political Science | 210 | (3) | State and Local Government                       |
| Political Science | 300 | (3) | American Political Parties and Electoral Process |

## **Psychology**

Required Courses:

|            |     |     |                    |
|------------|-----|-----|--------------------|
| Psychology | 190 | (3) | General Psychology |
| Psychology | 220 | (3) | Human Development  |

**OR**

|            |     |     |                  |
|------------|-----|-----|------------------|
| Psychology | 230 | (3) | Human Adjustment |
|------------|-----|-----|------------------|

PLUS AT LEAST THREE OF THE FOLLOWING COURSES:

|            |     |     |                                   |
|------------|-----|-----|-----------------------------------|
| Psychology | 301 | (3) | Principles Learning               |
| Psychology | 303 | (3) | Physiological Psychology          |
| Psychology | 310 | (3) | History and Systems of Psychology |
| Psychology | 400 | (3) | Social Psychology                 |
| Psychology | 420 | (3) | Abnormal Psychology               |
| Psychology | 430 | (3) | Counseling Theories and Issues    |

## **Public Relations**

Required Courses:

|               |     |     |  |
|---------------|-----|-----|--|
| Art           | 150 | (3) | Digital Arts 1: Introduction to Digital Arts |
| Business      | 120 | (3) | Introduction to Marketing                    |
| Communication | 185 | (3) | Principles and Practices of Public Relations |
| Communication | 340 | (3) | Non-Profit and Corporate PR Case Studies     |
| Journalism    | 200 | (3) | Introduction to Journalism                   |

PLUS THREE HOURS FROM THE FOLLOWING COURSES:

|               |     |     |                               |
|---------------|-----|-----|-------------------------------|
| Communication | 180 | (1) | Individual Events*            |
| Journalism    | 160 | (1) | Journalism Practicum          |
| Journalism    | 165 | (1) | Advanced Journalism Practicum |

\*may be repeated for credit

**Religion and Philosophy**

## Required Courses:

|            |     |     |                                   |
|------------|-----|-----|-----------------------------------|
| Philosophy | 190 | (3) | Introduction to Philosophy        |
| Religion   | 290 | (3) | Introduction to the Old Testament |
| Religion   | 295 | (3) | Introduction to the New Testament |

## PLUS ONE FROM THE FOLLOWING COURSES:

|                     |     |     |                        |
|---------------------|-----|-----|------------------------|
| Philosophy          | 290 | (3) | Applied Logic          |
| Philosophy          | 310 | (3) | Ethics                 |
| Philosophy/Religion | 320 | (3) | Philosophy of Religion |

## PLUS ONE FROM THE FOLLOWING COURSES:

|          |     |     |                        |
|----------|-----|-----|------------------------|
| Religion | 280 | (3) | Religions of the World |
| Religion | 325 | (3) | Christian Theology     |

## PLUS

Any other course in Religion or Philosophy (3)

**Sociology**

## Required Course:

|           |     |     |                           |
|-----------|-----|-----|---------------------------|
| Sociology | 190 | (3) | Introduction to Sociology |
|-----------|-----|-----|---------------------------|

## PLUS FOUR FROM THE FOLLOWING COURSES:

|           |     |     |                     |
|-----------|-----|-----|---------------------|
| Sociology | 210 | (3) | The Family          |
| Sociology | 230 | (3) | Appalachian Studies |
| Sociology | 240 | (3) | Social Problems     |
| Sociology | 310 | (3) | Social Gerontology  |
| Sociology | 320 | (3) | Minorities          |
| Sociology | 350 | (3) | Criminology         |

**STEM Research**

## Required Courses:

|                 |     |     |                           |
|-----------------|-----|-----|---------------------------|
| Natural Science | 361 | (1) | Research Methods I        |
| Natural Science | 362 | (1) | Research Methods II       |
| Natural Science | 461 | (1) | Senior Research Project   |
| Natural Science | 462 | (1) | Scientific Communication  |
| Mathematics     | 231 | (4) | Calculus I                |
| Mathematics     | 261 | (3) | Statistics for Biologists |
| OR Mathematics  | 251 | (3) | Statistics                |

## OR:

|                 |     |     |   |
|-----------------|-----|-----|---|
| Mathematics     | 450 | (3) | Mathematics and Computer Science<br>Capstone        |
| Natural Science | 462 | (1) | Scientific Communication                            |
| Mathematics     | 231 | (4) | Calculus I  |
| Mathematics     | 261 | (3) | Statistics for Biologists<br>OR Math 251 Statistics |

## PLUS 6-7 HOURS FROM THE FOLLOWING:

|                 |     |       |          |
|-----------------|-----|-------|----------|
| Natural Science | 501 | (3-6) | Research |
|-----------------|-----|-------|----------|

An upper level 300- or 400-level course directly relevant to the research project

## **Strength and Conditioning**

### Required Courses:

|                    |     |     |                                    |
|--------------------|-----|-----|------------------------------------|
| Biology            | 270 | (4) | Anatomy and Physiology I           |
| Biology            | 271 | (4) | Anatomy and Physiology II          |
| Health Science     | 261 | (1) | Strength Training and Conditioning |
| Exercise Science   | 305 | (3) | Kinesiology / Biomechanics         |
| Physical Education | 315 | (3) | Physiology of Exercise             |
| Physical Education | 335 | (2) | Safety Education/First Aid         |

Any student could be eligible to complete the course work to prepare him/her to become a Personal Fitness Instructor or a Certified Strength and Conditioning Specialist. By successfully completing the course work, the student will be eligible to "sit" for either the Personal Fitness Instructor's examination or the Certified Strength and Conditioning Specialist's examination.

## **Studio Art**

### Required Courses:

|     |     |     |                  |
|-----|-----|-----|------------------|
| Art | 100 | (3) | Art Fundamentals |
| Art | 200 | (3) | Art History I    |
| Art | 210 | (3) | Art History II   |

### PLUS THREE STUDIO COURSE IN SEQUENCE:

|     |     |     |                         |
|-----|-----|-----|-------------------------|
| Art | 115 | (3) | Introduction to Drawing |
| Art | 315 | (3) | Advanced Drawing        |

### **OR**

|     |     |     |                             |
|-----|-----|-----|-----------------------------|
| Art | 118 | (3) | Introduction to Printmaking |
| Art | 318 | (3) | Advanced Printmaking        |

### **OR**

|     |     |     |                          |
|-----|-----|-----|--------------------------|
| Art | 120 | (3) | Introduction to Painting |
| Art | 320 | (3) | Advanced Painting        |

### **OR**

|     |     |     |                             |
|-----|-----|-----|-----------------------------|
| Art | 135 | (3) | Introduction to Photography |
| Art | 335 | (3) | Advanced Photography        |

### **OR**

|     |     |     |                              |
|-----|-----|-----|------------------------------|
| Art | 150 | (3) | Introduction to Digital Arts |
| Art | 350 | (3) | Computer Animation           |

## **Video and Radio**

### Required Courses:

|               |     |     |                                    |
|---------------|-----|-----|------------------------------------|
| Communication | 155 | (3) | Introduction to Mass Communication |
| Communication | 175 | (3) | Media Writing                      |
| Communication | 271 | (4) | Video Production I                 |
| Communication | 370 | (4) | Video Production II                |

### PLUS FOUR HOURS FROM THE FOLLOWING COURSES:

Plus four semester hours from the following:

|               |     |     |   |
|---------------|-----|-----|---|
| Communication | 220 | (1) | Media Practicum<br>(may be repeated for credit) |
|---------------|-----|-----|---|



# HONORS PROGRAM

The Alderson Broaddus University Honors Program was developed to provide intellectual challenge and stimulation for academically superior students who are strongly motivated toward academic success; to provide impetus for independent scholarship, research, and creative endeavors by academically gifted students; and to provide a public forum for the presentation of scholarly and creative work by students and faculty.

## **Expectations and Benefits for Honors Students**

Students in the Honors Program are expected to:

- complete at least three Honors seminars;
- design and carry out an independent research project in the junior or senior year.
- If at all possible, incorporate an overseas or off-campus experience in their four year course of study.

Among the benefits students will receive are:

- stimulating classes and scholarly experiences with other academically superior students;
- recognition as Honors Program graduates on their diplomas and transcripts;
- inscription of their names as Honors Program graduates on a plaque displayed in a prominent place on campus.

## **Admission Criteria**

All students invited to participate in the Honors Program will write an essay in response to a subject proposed by the Honors Program Advisory Committee. The committee will evaluate the essays and interview the applicants and then decide whether to admit them to the program.

## **Incoming Freshmen**

High school students identified as potential Honors students on the basis of markedly superior performance in high school and on national college entrance examinations will be invited to apply to the Honors Program.

Minimum Criteria:

1. ACT composite score of 26 or SAT combined score of 1140.
2. Placement in the top 10% of graduating class or a high school GPA of 3.5.

## **Transfer Students**

Any qualified transfer student who has completed 39 or fewer credit hours OR who will be a full-time student at Alderson Broaddus University for at least six semesters may apply for admission to the Honors Program

Minimum Criteria:

1. ACT composite score of 26 or SAT combined score of 1140.
2. 3.40 cumulative GPA from previous institution.

## **Current Students**

Any qualified student currently enrolled at Alderson Broaddus University who has completed 60 or fewer hours may apply for admission to the Honors Program.

Minimum Criterion:

1. 3.40 cumulative GPA at Alderson Broaddus.

## **Honors Program Course of Study**

The Honors Program is a four-year program for students from all academic and professional majors. In order to be designated an Honors Program graduate, a student in the Honors Program must complete three 3-hour interdisciplinary Honors seminars as well as design and carry out an independent research project during the junior or senior year.

Since Honors courses may be used to meet the requirements of the liberal studies program, students in the Honors Programs are not required to take more hours for graduation than other students. In addition, the independent research project may in some cases be taken as a 3-hour independent study course in fulfillment of a requirement in a student's major.

## **Honors 200 and 400**

Both Honors 200 and Honors 400 are taught in a seminar format that encourages students' regular participation in an exchange of ideas and diverse viewpoints. Each seminar focuses on a different theme, exploring that theme from the perspectives of the several academic disciplines. All Honors courses involve intensive reading and discussion, with presentations by guest lecturers when appropriate. Students learn the methods of scholarly research and writing through semester-long research projects that give them time to explore topics in depth. They also make oral class presentations of their research.

- Honors 200 is open to students in the Honors Program and students with at least a 3.5 GPS (excluding remedial courses.)
- Honors 400, a more advanced seminar that emphasizes significant independent research by students is open Honors Program students and students with at least a 3.5 GPS (excluding remedial courses.)
- Both courses carry 3 semester hours of credit, and both may be repeated once for credit.

## **General Objectives of the Honors Seminars**

The Honors Seminars are intended to help students:

1. Perceive the histories, intentions, and methodologies of the different academic disciplines and the relationships among them.
2. Achieve a better understanding of the nature of evidence.
3. Exercise critical thinking in response to both written and spoken information, ideas, and opinions.
4. Engage in productive discussion of subjects based on reasoned evaluation of evidence.

## **Contracting Honors Courses**

To fulfill the 9 credit hours required for completing ABU Honors program, students may contract 3 Honors credits within a non-Honors course. Under the contract, students will take the initiative to complete course work in addition to regular projects and assignments of that course.

## **Independent Research Project**

**The ultimate focus of the Honors Program is significant independent or guided research by its participants.**

Each Honors student will design and carry out a research project during his or her junior or senior year. The project will culminate in an Honors senior project that will be evaluated by the Honors Program Director and the Honors Program Advisory Committee.

Students frequently are able to use as their Honors Program senior project a research paper already completed, or currently being completed, to fulfill requirements in their majors. Students must consult with the Honors Program Director in advance as to the acceptability of their project in fulfilling Honors Program requirements.

After his or her senior project has been approved by the Honors Program Director, the student will present the results of the project in a public forum on campus, open to the entire campus community of faculty, staff and students, as well as the general public. Presentations of the research projects to national, state or regional conferences or symposia will also fulfill this requirement.

In lieu of an Honors research paper, students may substitute other major senior level accomplishments, such as portfolio readings for writing majors, or art gallery exhibits and talks for art majors. It is the responsibility of the students to have these projects approved in advance by the Honors Program Director.

## **Service Project or Off-Campus Experience**

The Goal of the service project is to gain a first-hand experience and deeper understanding of social or environmental issues as well as of their effects on communities. Students should find, contact, and offer help to a local community, church, government, or campus service organization or a healthcare provider that serves people in need. After the student's plan of engagement with the organization has been approved by the Honors Program Director, the student should work with this organization regularly for at least one semester and provide a written report and a presentation/article based on this experience.

In lieu of working with a local organization and with the approval of the Honors Program Director, students can participate in an off-campus service activity, such as a mission trip, in another city in the United States.

## **Overseas or International Experience**

The Goal of overseas or international experience is to become familiar with cultures outside of the United States and with the place of the United States among the nations of the world. To fulfill this requirement, students can participate in the Semester in Europe program; if a student's plan of studies does not allow a semester-long trip, the student will, with the approval of the Honors Program Director, design and carry out a plan of engagement with a culture outside the United States (for example, take advanced foreign language courses or work with an international organization).

Upon the completion of the overseas or international activity, the student must provide a written report and a presentation/article based on this experience.

### **Reporting Project Results**

Students will submit to the Program Director written reports of the service project and overseas experience. In addition, to benefit not only the Honors students but also the Alderson Broaddus community, all activities required for the completion of the Honors Program will culminate in a presentation at a public forum on campus open to the entire campus community of faculty, staff and students, as well as the general public or in an article published in the *Battler Columns*. The presentation/article must explain the Goals of the project, provide engaging details, and draw conclusions.

### **Program Standards**

A student must maintain at least a 3.4 cumulative GPA in order to remain in the Honors Program.

A student whose cumulative GPA falls below 3.4 but not below 3.0 will be placed on Honors probation for one semester but will be permitted to take an Honors seminar during the probationary period.

At the end of the probationary period, a student whose cumulative GPA has risen to 3.4 or above will be returned to normal status in the program.

A student whose cumulative GPA is still below 3.4 but not below 3.0 at the end of the probationary semester will continue on probation for an additional semester but will not be permitted to enroll in an Honors seminar.

If at the end of a second probationary semester a student's cumulative GPA is still below 3.4, the student will be dismissed from the program.

A student whose cumulative GPA at any time falls below 3.0 will be dismissed from the program without a probationary period.

Regardless of cumulative GPA, a student whose semester GPA for any semester falls below 2.6 will be placed on Honors probation for one semester and will not be permitted to take an Honors seminar during the probationary period. If for the probationary semester the student's semester GPA is again below 2.6, he or she will be dismissed from the program regardless of cumulative GPA.

A student may voluntarily withdraw from the Honors Program at any time upon notifying the Honors Program Director.

**For more information about the Honors Program contact--**

**Dr. Irina V. Rodimtseva**  
**Director of the Honors Program**  
**Alderson Broaddus University**  
**101 College Hill Drive**  
**Box 2158**  
**Philippi, WV 26416**  
**rodimtsevaiv@ab.edu**  
**304-457-6497**

## Study Away Programs

### International Studies

Alderson Broaddus University offers academic minors in international studies and offers international studies opportunities for students to study in, and experience, other countries.

The semester of study in Europe is the hallmark of the Alderson Broaddus University international studies programs and offers the students the best opportunity for international study, travel, and experiencing international culture. The Austria Program provides the students with a semester of study (12 semester hours) at the Alderson Broaddus University Campus in Salzburg, Austria, at Haus Wartenberg, and travel opportunities throughout Europe. A German language course taught by an Austrian German language professor is also required. Each student may also arrange for independent studies as long as the total hours for the semester do not exceed 18. Music lessons may be arranged with professors from the Mozarteum at an addition fee. Room and board and tuition are the same as those for on campus students. A program fee to cover roundtrip airfare, ground transportation, and a Eurail train pass is in addition to these costs. For more information on the Austria Program contact Dr. James Daddysman, program director for the Semester in Europe program, Ph. 304.457.6270.

### United States Opportunites

The Mission Team, an outgrowth of the Christian Studies program, provides opportunities to engage students in cross-cultural mission. At present, this work involves partnership with PROVADENIC (Managua, Nicaragua), UrbanPromise (Camden, NJ), and the ABMen of West Virginia Disaster Relief Team. For most of the participating students, these mission trips become life-changing experiences

## COURSES OF INSTRUCTION

Courses may be offered in an online format after achieving approval of the Dean's Council. The University expresses its academic credits in semester hours.

The numbers may be interpreted as follows:

#### COURSE LEVEL

|         |   |
|---------|---|
| 100-299 | Courses generally of freshman-sophomore level.  |
| 300-499 | Courses of junior-senior level.   |
| 390     | Special topics, as announced, junior and senior level. All programs may offer special topics courses. Selected subjects, varying from offering to offering, 2 or 4 semester hours                   |
| 395     | Special topics which have been approved as "issues" courses for use in elective minors or for elective credit. 2 semester hours   |
| 500     | Student teaching, supervised field experiences, and internships.  |
| 550     | Departmental seminars for seniors.  |
| 560     | Guided Studies course<br>(Grading: Honor, Satisfactory, Unsatisfactory) 1-4 semester hours  |
| 570     | Guided Studies course<br>(Grading: Letter) 1-4 semester hours   |
| 600     | Independent Studies. The study usually lies within the major subject area in which the student has demonstrated the necessary interest and abilities. The project, which follows a plan designed by |

610

the student and approved by the study advisor, is independently completed. A written report is usually required.  
(Grading: Honor, Satisfactory, Unsatisfactory) 1-6 semester hour  
Independent Studies.  
(Grading: Letter) 1-6 semester hour

Courses are sometimes offered more than once within an academic year, while other courses are taught only in alternate years. To determine the frequency of course offerings, students should consult the current edition of the Master Schedule issued by the Office of the Registrar.

The University reserves the right to withdraw or postpone any courses for which the enrollment is judged to be insufficient.

WPI = With Permission of Instructor

## **Anatomy (ANAT)**

### **390 Advanced Gross Human Anatomy**

The Advanced Gross Human Anatomy course includes study of gross anatomy of the vertebral column and back, head and neck, thorax, abdomen, upper extremities, lower extremities and pelvic and perineum. Advanced Gross Human Anatomy will be taught using a combined approach of classroom teaching, cadaveric prosection and educational anatomy learning computer software. This course is formulated to give an in-depth knowledge of human gross anatomy to the students through comprehensive classroom teaching, rigorous training through cadaveric prosection, as well as digitally operated program. The Advanced Gross Human Anatomy course will also teach the students anatomical structural relationship and organization through the six modules along with their normal function and clinical significance

**4 semester hours**

## **Art (ART)**

### **100 Art Fundamentals**

A foundation studio course that examines the intellectual, perceptual, and critical processes of visual organization and formalistic analyses of two- and three-dimensional design. Recommended as the first course to be taken in art.

**3 semester hours**

### **105 Success in Visual Arts**

Course for first-year students covering concepts and issues that will enhance the student's success in college as a Visual Arts major.

**1 semester hour**

### **115 Introduction to Drawing**

Fundamental principles of drawing. Exploration of a variety of techniques and media. Recommended to be taken simultaneously with or the semester following Art 100. May be repeated for credit.

**2-3 semester hours**

### **118 Introduction to Printmaking**

Basic concepts and techniques of relief printing including linocut, woodcut,

and/or wood engraving. Introduction to mono-prints and new processes.  
Recommended: Art 100, 115 prior to this course. May be repeated for credit.

**2-3 semester hours**

### **120 Introduction to Painting**

Emphasis on processes and techniques of oil painting. Recommended: Art 100, 115 prior to this course. May be repeated for credit.

**2-3 semester hours**

### **125 Introduction to Ceramics**

Introduction to basic hand-building, wheel throwing techniques, glazing, and decorative techniques. May be repeated for credit.

**2-3 semester hours**

### **135 Introduction to Photography**

Emphasis on contemporary photographic imagery and the processes and techniques of digital still and motion picture photography.

**3 semester hours**

### **140 Introduction to Sculpture**

Introduction to basic processes and theory in sculpture, including modeling and found object sculpture as well as experimentation with new media.

Prerequisite: Art 100.

**3 semester hours**

### **150 Introduction to Digital Arts**

Emphasis on the processes, techniques, and visual traditions of the digital arts.

**3 semester hours**

### **170 Typography**

After gaining knowledge of typographic conventions, students demonstrate effective type design in projects intended for both digital and print publication. A practical vocabulary grows from exploring historical antecedents of today's digital type design tools. Students come to appreciate the intricacies of font design, and master rules for letter, line, and paragraph formatting. Creative projects include designing a typeface.

**3 semester hours**

### **180 Introduction to Graphic Design**

Through assignments and self-directed creative work, students translate ideas into graphic images and forms that serve commercial, non-profit, and government needs. The course presents a balance of approaches to design and layout for both digital and print publication, with special attention to designing for the Web. The emphasis is on generating and refining effective visual concepts as students explore packaging, layout, typography, and presentation to clients.

**3 semester hours**

### **190 Art Appreciation**

Survey of major artists and artistic developments in art from prehistoric to modern. A lecture/discussion course with emphasis on the consideration of concepts and issues through the study of painting, sculpture, and architecture.

**2 semester hours**

### **200 History of Art I**

A survey of the visual arts from the prehistoric to the Renaissance.

**3 semester hours**

**210 History of Art II**

A survey of the visual arts from Mannerism to Modern Art. Prerequisite: Art 200.

**3 semester hours****211 Film Genres**

This course provides an overview of the primary film genres and sub-genres and discusses their history, impact, patterns, themes, iconography, and styles. The course encompasses, but is not limited to, the following genres: westerns, horror, thrillers, film noir, war, musicals, fantasy, science fiction, documentary, and comedy

**3 semester hours****212 Modern and Contemporary Art**

A survey of art history from the early 19th century to the present, this course focuses on developing students' skills in developing considered interpretive responses to 2D, 3D, 4D, and conceptual artworks. In accordance with the themes addressed by influential artists in this period, the course will also examine questions about authority, significance, and the making of meaning in current and recent art landscapes. Class sessions are lecture and discussion, with students demonstrating mastery of skills and knowledge through exams, independent writing, and verbal presentations.

**3 semester hours****214 History of Graphic Design**

Themes in the history of graphic visualization for commercial purposes and public communication are explored through lecture, discussion, independent research, and writing. Important figures and seminal works punctuate an overview of design's progression from the 18th century to the present.

**3 semester hours****245 Theory and Methods of Art Education**

A course designed to combine the philosophies, concepts, and methodology for teaching art at the elementary and middle school level. A necessary foundation for the regular classroom teacher as well as art instructor in order to provide a meaningful art program relative to the developmental level of the child. Recommended: Art 100 prior to this course. Elementary Education Majors only, sophomore level or above.

**2 semester hours****255 Web Design**

Emphasis on developing a personal visual style of seeing, production, and presentation of digital works.

**3 semester hours****315 Advanced Drawing**

Drawing as an expressive medium. Problems to stimulate independent visual thinking and problem solving. Prerequisite: 3 semester hours of Art 115. Art majors and minors only. Repeatable for credit.

**3 semester hours****318 Advanced Printmaking**

Emphasis on independent student work, with a significant number of prints expected. Exact requirements will be determined in consultation with the instructor and based on project proposals. Students in this course will research and implement at least one printmaking method that they have not tried before. There is no limitation on printing method, although some



methods may require students to build or acquire special equipment. Students must demonstrate the ability to deploy a cohesive visual vocabulary in the service of stated aims. Prerequisite: 3 semester hours of Art 118. Art majors and minors only. Repeatable for credit.

**3 semester hours**

### **320 Advanced Painting**

Focus on individual and conceptual concerns through a variety of painting experiences. Prerequisite: 3 semester hours of Art 120. Art majors and minors only. Repeatable for credit.

**3 semester hours**

### **325 Advanced Ceramics**

Development of individual style and a significant body of work in the course of the semester. Students will begin to research and test clay and glaze recipes. Prerequisite: 3 semester hours of Art 125. Art majors and minors only. Repeatable for credit.

**3 semester hours**

### **335 Advanced Photography**

Emphasis on developing a personal visual style of seeing, production, and presentation of photographic works. Prerequisite: Art 135. Art majors and minors only. Repeatable for credit.

**3 semester hours**

### **350 Advanced Digital Art**

Emphasis on 2-D digital arts, including digital drawing, painting, printmaking, and graphic design. Prerequisite: Art 150 or WPI.

**3 semester hours**

### **380 Advanced Graphic Design**

Advanced study of design industry practices through the creation of computer-generated portfolio pieces intended for electronic publication. Students focus on developing a consistent individual style in their graphic designs, and on preparing proposals for clients. Mock presentations are a key component, and students gain proficiency with presentation tools such as projectors, microphones, and appropriate software.

**3 semester hours**

### **381 Computer Animation**

Emphasis on 3-D digital arts, including modeling, scene description, and rendering of still and motion imagery.

**3 semester hours**

### **390 Special Topics in Art**

Selected and varying subjects, presenting the opportunity for detailed examination of a topic or a specialized studio technique. Prerequisite: successful completion of all courses in the particular area of study through the 300 level.

2-3 semester hours

Prerequisite: Art 135, 235, and 335. Art majors and minors only.

**3 semester hours**

### **460 Solo Exhibit**

Senior studio project that culminates in a senior exhibition. A body of work with a contemporary conceptual focus is created. Prerequisite: completion of 30 semester hours of studio art courses, junior or senior status. Art majors only.

**3 semester hours**

## **510 Professional Practices Seminar**

Gallery experience: solo exhibition of work from the senior project. Includes publicity, writing an artist's statement, striking the exhibit, giving a gallery talk or class lecture. Also required: preparation of research paper for senior critique, preparation of portfolio for graduate school or job interview. Prerequisite: completion of 30 semester hours of studio art courses, junior or senior status. Art majors only.

**1 semester hour**

**INDIVIDUAL STUDIES** that may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600 or 610) may be scheduled with special permission.

## **Astronomy (ASTR)**

### **190 Introduction to Astronomy**

The solar system in particular, including the sun, planets, comets, and meteors, in addition to the universe, its components and processes in a larger context. Brief history of manned space vehicles. Problems of fundamental celestial mechanics. A laboratory is included.

**4 semester hours**

## **Athletic Training (ATHL)**

### **150 Athletic Taping and Bracing**

A course that studies the different aspects of sports medicine with a "hands on" approach. Topics include taping techniques, modalities, protective equipment fitting, orthotic fabrication, as well as other information about record keeping in the athletic training clinic.

**1 semester hours**

### **221 Clinical Practicum I**

A clinical course that allows the athletic training student an opportunity to gain clinical experience and use in practice information gleaned in the didactic setting. Students will primarily be involved with learning the day-to-day aspects of being an athletic trainer through the direct supervision of a clinical preceptor. The class will also cover appropriate clinical competencies.

**1 semester hour**

### **222 Clinical Practicum II**

A clinical course that allows the athletic training student an opportunity to use in practice information gleaned in the didactic setting. Students will primarily be involved with evaluation skills and special tests to determine the extent of injury or disease to the lower extremity of the active individual. The class will cover all proficiencies from orthopedic evaluation of the lower extremity and personal health.

**2 semester hour**

### **250 Orthopedic Evaluation of the Lower Extremity**

A course that studies the advanced orthopedic evaluation of the foot, ankle, knee, thigh, hip and lower back. Areas of emphasis include anatomy, evaluation skills (history taking, observation, palpation, muscle testing, etc.) and special tests to determine the extent of injury or disease to the lower extremity of the active individual. Course involves both traditional classroom lectures and clinical skills practice.

**4 semester hours**

**260 Orthopedic Evaluation of the Upper Extremity**

A continuation of Athletic Training 250, this course studies the advanced orthopedic evaluation of the hand, wrist, elbow, shoulder, head, neck and thorax. Areas of emphasis include anatomy, evaluation skills (history taking, observation, palpation, muscle testing, etc.) and special tests to determine the extent of injury or disease to the upper extremity of the active individual. Course involves both traditional classroom lectures and clinical skills practice.

**4 semester hours****270 Athletic Injury Control and Management**

Theoretical and practical methods of preventing and treating athletic injuries.

**3 semester hours****323 Clinical Practicum III**

A clinical course that allows the athletic training student an opportunity to use in practice information gleaned in the didactic setting. Students will primarily be involved with evaluation skills and special tests to determine the extent of injury or disease to the upper extremity of the active individual. The class will cover all proficiencies from orthopedic evaluation of the upper extremity and athletic injury control and management.

**3 semester hour****324 Clinical Practicum IV**

A clinical course that allows the athletic training student an opportunity to use in practice information gleaned in the didactic setting. Students will primarily be involved with the use of therapeutic modalities, which can be employed in the treatment of both over-use and trauma-related exercise injuries. The class will cover all proficiencies from sports injuries and therapeutic modalities and physiology of exercise.

**3 semester hour****340 Sports Injuries and Therapeutic Modalities**

Designed to provide a rational and effective approach to the treatment of specific injuries or diseases of the active individual. The class will cover all exercise-induced injuries. The main focus is on the therapeutic modalities (massage, ultrasound, electrical stimulation, etc.) that can be employed in the treatment of both over-use and trauma related exercise injuries. Course involves both traditional classroom lectures and clinical skills practice. Prerequisite: Biology 271.

**4 semester hours****370 Rehabilitation of Athletic Injuries**

A course that studies the theory, technique, skills and rational approach to rehabilitation of the injured active individual. Areas of study include PNF techniques, joint mobilization, modality use, specific methods, and programs for specific injuries and criteria for safe and effective return to activity. Course involves both traditional classroom lectures and clinical skills practice.

**4 semester hours****400 Sports Medicine**

This course acquaints the student with the many and varied aspects of medical science that are related to exercise aggravated or induced pathology. The physiologic adaptations to the physical and mental stress of exercise form the basis of the lectures. Included is the use of physical activity in both the treatment and prevention of certain diseases. Also included are

the basic principles of cardiac diseases. Course involves both traditional classroom lectures and clinical skills practice.

**4 semester hours**

#### **401 Research/Athletic Training**

Designed to provide students with exposure to the research process, including methodology, verification, and reporting. Each student will, under faculty guidance and supervision, design and carry out a research project in the area of athletic injury, prevention, evaluation, treatment and/or rehabilitation. The process of research method design, approval, administration and result-reporting is expected to take eight months. (This is the maximum time allowed for completion of the project.)

**1 semester hour**

#### **405 Administration in Athletic Training**

A course that examines the various issues, policies and procedures involved with administration in athletic training. Emphasis is on administrative concepts, facility design, budgeting and equipment purchasing, personnel management, program management, record keeping, insurance, legal issues, ethics and pre-participation physical exams.

**3 semester hours**

#### **410 Test Taking Strategies for the BOC**

In this course, students will review for the BOC examination, the test required to become a certified athletic trainer. Each student will develop a systematic study plan, evaluate that study plan through frequent testing, and revise the study plan to reach a passing score on the actual BOC exam. Students will be taking a pre-test for each area, then after reviewing the material, one or more post tests on the material.

**1 semester hour**

#### **425 Clinical Practicum V**

A clinical course that allows the athletic training student an opportunity to use in practice information gleaned in the didactic setting. Students will primarily be involved with the technique, skills and rationale to rehabilitate the active individual. The class will cover all proficiencies from rehabilitation of athletic injuries.

**3 semester hours**

#### **426 Clinical Practicum VI**

A clinical course that allows the athletic training student an opportunity to use in practice information gleaned in the didactic setting. Students will primarily be involved with the aspects of medical science that are related to exercise-aggravated or induced pathology to determine the extent of general medical proficiencies from sports medicine, administration in athletic training and research in athletic training.

**3 semester hours**

### **Biology (BIOL)**

#### **110 Introduction to Biology**

A non-majors level course designed to introduce students to the biological world and the fundamentals of scientific inquiry. Topics covered include the evolution of life, a brief survey of the six kingdoms of life with ecological interactions, and a survey of selected human body systems. Topics in lecture are emphasized through corresponding laboratory exercises. Lecture 3 hours, Laboratory 2 hours per week. Cannot be used to satisfy a requirement

in the College of Science, Technology, and Mathematics.

**4 semester hours**

### **111 Human Biology**

A one-semester study of the structure and function of the human organ systems. Basic anatomy and physiology of each system is discussed.

**3 semester hours**

### **210 General Biology I**

An introductory level study of cellular and molecular biology. Basic concepts of cellular structure, genetics, reproduction, locomotion, protein synthesis, metabolism, chemistry and physiology are presented. Cellular differentiation and types of cellular organisms as well as an introduction to acellular entities are included. The laboratory component emphasizes morphology of cells, current methods used to study and analyze cells and examples of common differentiation cell types. Common types of one-celled organisms are included. Lecture 3 hours, laboratory 3 hours per week.

**4 semester hours**

### **211 General Biology II**

An introductory level study of organism biology. A taxonomic approach is used to develop a sequential presentation of multicellular animals. Form and function is used as the format to present organs, organ systems, structure, metabolism, physiology and other similarities and differences among animal groups. The laboratory component permits continued emphasis in this area using selected animals as model systems, field observations and experimentation to highlight basic principles. Lecture 3 hours, laboratory 3 hours per week. Prerequisite: Grade of C or better in Biology 210 or WPI.

**4 semester hours**

### **212 Botany**

An introductory level study of the biological concepts of plants as organisms. Course outcomes include demonstrated knowledge of the basic structure and function of plant tissues, plant biochemical pathways, evolution, ecology, productivity and phenology of plants. Field observations and experimentation are used to highlight basic principles. Lecture 3 hours, laboratory 3 hours per week. Prerequisite: Grade of C or better in Biology 210 or WPI.

**4 semester hours**

### **240 Microbiology**

Study of microscopic life forms that are directly related to human health and welfare. Bacteria, viruses and the eukaryotic microbial forms are emphasized. Comparisons of structure, morphology, reproduction and taxonomy are used to highlight the diversity of these forms. Emphasis is given to selected forms associated with human disease and host immune responses. Lecture 3 hours, laboratory 3 hours per week. Prerequisite: Grade of C or better in Biology 210 or WPI.

**4 semester hours**

### **245 Evolution**

A study of the progression of life with emphasis on the mechanisms of evolution. An analysis of the distribution patterns of plants and animals. Consideration of the theory and fossil records.

**2 semester hours**

**270 Anatomy and Physiology I**

A study of the structure and normal functions of the human body. Basic cell biology and chemistry is reviewed. Basic histology is then covered followed by study of body systems including the muscular, skeletal, and nervous and senses. Lecture 3 hours, laboratory 2 hours per week. Prerequisite: ACT Science Score of 20 or above; of SAT Combined Score of 1000 or above; or Grade of C or better in Biology 111, or higher, or WPI

**4 semester hours****271 Anatomy and Physiology II**

Continuation of Biology 270 with study of the cardiovascular, lymphatic, respiratory, urinary, digestive, endocrine and reproductive systems. Lecture 3 hours, laboratory 2 hours per week. Prerequisite: Grade of C or better in Biology 270 or WPI.

**4 semester hours****341 Genetics**

A course to present the mechanisms of inheritance and the concept of the gene. Both traditional Mendelian as well as molecular concepts included. Genome organization, packaging, regulation and function are presented in depth. Prerequisite: Grade of C or better in Biology 211 or WPI. Lecture 3 hours, laboratory 3 hours per week.

**4 semester hours****350 General Physiology**

A study of animal physiology with focus on individual capabilities of organ systems. The concept of homeostasis and the significance of nervous, excretory and endocrine regulation. Prerequisite: Grade of C or better in Biology 211 or WPI. Lecture 3 hours, laboratory 3 hours per week.

**4 semester hours****354 West Virginia Flora**

Introduction to the taxonomy and distribution of West Virginia plants. Emphasis is placed on common wildflower and tree species. Basic form and function of vascular plants is also discussed. Techniques of field identification, collection, and preservation are covered in the laboratory component. There will be 2 hours of lecture per week and 4 hours of laboratory per week, as well as field trips. Prerequisite: Grade of C or better in Biology 211 or Environmental Science 210.

**4 semester hours****355 Mammalogy**

A class designed to introduce students to the systematics, behavior, and major taxa, physiology and ecology of mammals. Emphasis will be on, but not restricted to North American mammals. Laboratories will be field-based, focusing on identifications, collection and preservation of specimens. Prerequisites: Grade of C or better in Biology 210, 211 and/or Environmental Science 210. Lecture 3 hours, laboratory 3 hours per week, as well as field trips.

**4 semester hours****360 Ecology**

The study of the interaction of organisms with their environment. The students will learn the theory behind ecology processes in terrestrial and aquatic systems and how to use field and lab techniques to assess these processes for themselves. During the first part of the course the

students will learn about abiotic conditions and how they impact ecological processes, including biogeochemical cycles at local and global scales. During the second part of the course the students will learn about population and community processes and how humans interact with terrestrial and aquatic ecosystems. Prerequisite: Grade of C or better in Biology 211 or Environmental Science 210 . Lecture 3 hours, laboratory 3 hours per week, as well as field trips.

**4 semester hours**

### **365 Experimental Design and Data Analysis**

This course introduces the concepts of experimentation. It also covers the interpretation of common statistical procedures not included in Statistics (Mathematics 251). Laboratory will include use of various computer statistical programs. Prerequisites: Grade of C or better in Biology 210, 211 or Environmental Science 210, and Mathematics 251.

**4 semester hours**

### **370 Cell Biology**

A molecular approach to the study of the cell as a fundamental unit of life. Structural and functional characteristics of cellular components, regulation, signal transduction and metabolism are covered. Special emphasis on current methods of study are introduced in lecture and performed in the laboratory component. Prerequisite: Grade of C or better in Biology 210. Lecture 3 hours, laboratory 2 hours per week.

**4 semester hours**

### **375 Conservation Biology**

An introduction to the tools, policies and dilemmas associated with conservation of natural resources and the environment on a local and global scale. Prerequisites: Grade of C or better in Environmental Science 210 or Biology 211.

**3 semester hours**

### **380 Aquatic Entomology**

This class will introduce students into the taxonomy, life-history, and ecology of aquatic insects. A great deal of research and regulatory protocols utilizing aquatic insects. Aquatic insect identification and basic ecological experimentation will be covered in laboratory. Prerequisites: Grade of C or better in Biology 211 or Environmental Science 210. Lecture 3 hours, laboratory 3 hours per week, as well as field trips.

**4 semester hours**

### **382 Entomology**

This course introduces students to the biology of the Class Insecta and related taxa in a clear, concise, and relaxed manner. The emphasis of this course will be on the evolution, classification, diversity, ecology, behavior, structure and function of Insecta. Collection and preservation techniques are covered in the laboratory component. There will be three hours of lecture each week, 3 hours of laboratory work each week, as well as field trips. Prerequisite: Grade of C or better in Biology 211 or Environmental Science 210.

**4 semester hours**

### **390 Special Topics in Biology**

A course to permit the offering of courses that are not regular offerings in biology. Offerings are determined to address the expertise of faculty or to enrich programs of study when enrollment may not permit scheduled regular



offerings. The title and semester hour credit may vary. Examples of possible topics include mycology, comparative anatomy, and population biology. Specific topics are advertised at scheduled registration periods. Prerequisites vary depending on the course offered.

**3-4 semester hours**

#### **410 Limnology**

This course surveys the various types of aquatic ecosystems, with an introduction to relevant organisms. Both flowing and static waters are included. Emphasis is given to study techniques used by aquatic ecologists. Laboratory includes basic identification of aquatic organisms. Prerequisites: Grade of C or better in Biology 211 or Environmental Science 210. Lecture 3 hours, laboratory 3 hours per week, as well as field trips.

**4 semester hours**

#### **420 Parasitology**

Study of parasites that infect man or animals that are economically important to man: taxonomy, structures, identifying characteristics and effects on man. (More than 150 protozoan and helminth parasites are agents of human disease; approximately one-third of these are common associates and comprise the scope of this course.) The laboratory component is used to permit visual observation of forms, structure and life cycle stages introduced in lecture. Prerequisite: Grade of C or better in Biology 211. Lecture 3 hours, laboratory 3 hours per week, as well as field trips.

**4 semester hours**

#### **454 Histology**

A course designed to study the structure of animals at tissue and organs levels. Emphasis is placed on the recognition of mammalian tissues at the microscopic level as well as their basic functions. Proper microscope techniques also stressed. Techniques of animal tissue fixation, staining, and microscope slide mounting are covered in the laboratory component. Lecture 3 hours, laboratory 3 hours per week. Prerequisites: Grade of C or better in Biology 211.

**4 semester hours**

#### **455 Ornithology**

This class is designed to introduce students to the systematics, behavior, major taxa, physiology, identification, conservation, monitoring and ecology of birds. Emphasis will be on, but not restricted to, local forms. Laboratories will be field-based, focusing on Identification, capturing and marking (banding) of specimens. Prerequisites: Grade of C or better in Biology 211 or Environmental Science 210. Lecture 3 hours, laboratory 3 hours per week, as well as field trips.

**4 semester hours**

#### **482 Herpetology**

A course designed to investigate the taxonomy, distribution and natural history of reptiles and amphibians. Emphasis is placed on local forms. Techniques of field identification, collection and preservation are covered in the laboratory component. Lecture 3 hours, laboratory 3 hours per week as well as field trips. Prerequisite: Grade of C or better in Biology 211, or Environmental Science 210.

**4 semester hours**



**483 Immunology**

An introduction to the anatomy and physiology of the human immune systems. Prerequisites: Grade of C or better in Biology 211.

**3 semester hours**

**500 Internship in Biology**

This special course is only available as opportunities are presented for work/study in an off campus environment. Prerequisites dependent on the nature of the internship.

**1-6 semester hours**

INDIVIDUAL STUDIES which may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600 or 610) may be scheduled with special permission.

**Business (BUSI)****108 Introduction to Entrepreneurship**

An introductory course for business and non-business majors to introduce the student to the world of entrepreneurship and small business, including the analysis of personal strengths and weaknesses as they relate to launching an entrepreneurial endeavor. This course provides considerable attention to elementary concepts of planning, financing, starting, and managing a new business.

**3 semester hours**

**120 Introduction to Marketing**

Basic marketing concepts, principles and functions. Analysis of activities through which business firms direct the flow of their goods and services to consumers. (Not restricted to majors in the College of Business and Management.)

**3 semester hours**

**140 Introduction to Accounting I**

An introductory course designed to provide the student with a firm foundation of accounting fundamentals, practices, theory, techniques, principles, and methods of accounting. (Not restricted to majors in the College of Business and Management.)

**3 semester hours**

**150 Introduction to Accounting II**

Continuation of Business 140, with a foundation of accounting principles and basic accounting theory. Includes fundamentals, analysis, and interpretation of financial statements and methods. Prerequisite: Business 140. (Not restricted to majors in the College of Business and Management.)

**3 semester hours**

**160 Introduction to Management**

An introduction to the management of organizations. Study of the processes and functions of management, the structures and designs of business organizations, and of social responsibility. (Not restricted to majors in the College of Business and Management.)

**3 semester hours**

**170 Healthcare Administration**

A survey of business management principles, concepts, and skills as applied

to the healthcare field. Topics will include human resource management, budgeting, strategic planning, operations management and marketing. The course is designed to prepare healthcare professionals for administrative responsibilities. Field research in the health care area will be explored. (Not restricted to majors in the College of Business and Management.)

**3 semester hours**

### **175 Risk Management and Insurance**

An overview of health insurance contracts including group and individual policies. Topic coverage will include major medical policies, supplemental insurance, dental insurance, health maintenance organizations and preferred provider organizations. An emphasis will be placed on the role of the government in health insurance (Medicare and Medicaid) as well as health reform and cost containment issues. (Not restricted to majors in the College of Business and Management.)

**3 semester hours**

### **180 Introduction to Quickbook**

This course is an introduction to computerized accounting using a widely available, commercial software package that is designed for small to medium-sized businesses.

**1 semester hour**

### **210 Personal Finance**

An overview of personal financial planning in the areas of money management and investment strategies. Includes discussion of taxes, consumer credit, housing and other consumer decisions, legal protection, insurance, investments, retirement planning and estate planning.

**3 semester hours**

### **235 Human Resource Management**

An overview of the concepts and principles relating to the management of human resources in profit and not-for-profit organizations. Topics include employee recruitment, selection, training and development, compensation systems, performance appraisal, discipline, employee benefits, safety, labor relations and employment law. Special emphasis will be placed on the role of motivation and leadership in a team oriented organization. (Not restricted to majors in the College of Business and Management.) Prerequisites: Business 160 or WPI.

**3 semester hours**

### **250 Ethics in Business**

A study of the ethical, moral and social issues of business management. Topics include the theories of moral reasoning, organizational culture, responsiveness to stakeholders, public policy and government regulation. Students will study how political, social, and legal factors affect decision making. Course includes emphasis on practical real-world case studies. (Not restricted to majors in the College of Business and Management.)

**3 semester hours**

### **260 Intermediate Accounting I**

Intensive study of accounting concepts and principles underlying the preparation of financial statements, with special attention to applications in measurement and reporting of selected balance sheet items and related revenue and expense recognition. Emphasis given to Accounting Principles Board opinions and Financial Accounting Standards Board statements and

their ramifications on financial accounting. Prerequisites: Grade of C or better in Business 150.

**3 semester hours**

### **265 Intermediate Accounting II**

Continuation of Business 260, including a study of stockholders' equity, statement of cash flows and correction of statements. Special problems of income determination will be explored. Prerequisite: Business 260

**3 semester hours**

### **275 Operation Management**

Analysis of the concepts, theories, and trends in the operation of service and manufacturing organizations. Topic include quality management, customer service, facilities planning, product/service planning, and productivity improvement. Prerequisite: Business 160

**3 semester hours**

### **281 Business Law I**

An introduction to the legal environment of domestic and international business. Topics include dispute resolution, business torts, business ethics and social responsibility, legal forms of business organization, international business law, employment law, government regulation, administrative law, consumer protection, environmental regulation and antitrust law. (Not restricted to majors in the College of Business and Management.)

**3 semester hours**

### **285 Business Law II**

An advanced course in business law with an emphasis on contract law as prescribed by the Uniform Commercial Code. Students will explore the nature and classification of contracts, contract torts and remedies, negotiable instruments, credit regulation, agency relationships, personal property, real property, bankruptcy and landlord-tenant relationships. Prerequisite: Business 281.

**3 semester hours**

### **290 International Business**

A study of issues encountered in the global business arena. Coverage includes international trade, marketing, production, human resources, cultural differences and political risk. Intended as a prerequisite to further study and as an overview for the student who wishes to take only one international course. (Not restricted to majors in the College of Business and Management.)

**3 semester hours**

### **300 Cost Accounting**

Exploration of the nature, objectives, basic systems and procedures of cost accounting and control; cost-profit volume relationships; standard costs and variance analysis; direct costing; and relevant costs. Prerequisite: Business 150.

**3 semester hours**

### **311 Auditing I**

An introduction to audit theory, internal control, development of auditing programs, evidential matter and reporting. Special emphasis is given to duties, legal responsibilities and ethics of auditors. Prerequisite: Business 265.

**3 semester hours**

**315 Auditing II**

Continuation of Business 311, addressing more advanced auditing topics such as audit statements, auditing standards, application of statistical sampling, auditing computerized accounting systems and internal auditing. Prerequisite: Business 311.

**3 semester hours****320 Business Finance**

A study of the financial structure of business institutions. The application of managerial accounting and economic concepts to the solution of the financial problems of the firm. Prerequisite: Business 150, Economics 211, or WPI.

**3 semester hours****341 Management Information Systems**

This course is designed to provide the foundations of management information systems and relate it to the business environment. Topics include the theory of data and information, information requirements of management and administrators, design of information systems, hardware and software requirements, system design and implementation, and decision making with management information. Strategic guidance on the analysis, design, implementation and evaluation of health information systems - including the computer-based record - will help health students to employ the latest technologies successfully. (Not restricted to majors in the College of Business and Management.) Prerequisite: Computer Science 134.

**3 semester hours****343 Data Base Management Systems**

This course is designed to provide the foundations of data base management. Topics include definition of database, storage structures, data access and retrieval, hardware and software considerations, security standards and performance controls. It will explore data base structures in the hospital, coding and classification systems, hardware and software, data access and retention, and security concerns. (Not restricted to majors in the College of Business and Management.) Prerequisite: Computer Science 134.

**3 semester hours****345 Marketing Research**

An introduction to fundamentals of research methodology and use of research information in marketing decision-making. An emphasis is placed on the collection and application of marketing research regarding product development, branding, packaging and promotion. Topics include research design, data collection methods, sampling, tabulation and presentation of research information. Students design and execute a marketing research project. Prerequisites: Business 120 or WPI.

**3 semester hours****350 Consumer Behavior**

A study of consumer activity and the consumer decision making process. This course is designed to acquaint the student with basic behavioral science applications in buyer motivation and behavior. Theories and current research findings are examined so as to understand the behavioral patterns of consumers. Cultural, sociological and psychological influences are considered, in addition to the traditional economic interpretations. Prerequisites: Business 120 or WPI.

**3 semester hours**

**355 Management Science**

A basic overview of management science techniques. Topics include: Linear programming, PERT, CPM, decision theory, inventory models, transportation methods, queuing theory and simulation. Prerequisite: Business 251 or Mathematics 251 or Psychology 260 or WPI.

**3 semester hours****361 E-Commerce and Web Development**

This course will introduce the student to the basic concepts of the Internet and how to do business via the Internet. It takes into account both the technology aspect and the business aspect as well as legal issues that arise in doing business on the Internet. Students will learn to create and maintain a website using HTML, DHTML, XML, Java, and FrontPage. The course will also focus on how e-business applications are used for Internet, Intranet, and Extranet based applications. Students will also create a relational database and move it to the internet. Prerequisite: Computer Science I or WPI.

**3 semester hours****380 Entrepreneurial Finance**

This course covers the financial aspects of small business entrepreneurship for owners of sole proprietorships, partnerships, and small nonpublic corporations. It will focus on: (1) updated financial statement coverage; (2) forecasting definitions and formulas; (3) equipment replacement by using the low cost method; (4) application of operation techniques including capital budgeting and working capital management; (5) use of financial statements for horizontal, vertical, and ratio analysis; and, (6) basic math formulas. Practical applications will include the time value of money and computerized spreadsheet primer using Microsoft Excel.

**3 semester hours****390 Special Topics in Business**

Selected subjects, varying offerings, presenting the opportunity for a more detailed examination of a topic than is possible in a general course. May consist of a new and innovative methodology or concept newly developed in the business environment.

**2-4 semester hours****410 Federal Income Tax I**

Taxation of individuals and other matters common to both individuals and corporations and partnerships: general tax computation, business and nonbusiness deductions, capital gains and losses, inventories, depreciation, depletion, gross income inclusions and exclusions, disposal of property and installment sales. (Not restricted to majors in the College of Business and Management.)

**3 semester hours****415 Federal Income Tax II**

Tax accounting for business and tax entities other than individuals. Topics include taxation as related to corporation, partnerships, decedents, estates, trusts, tax-option, pensions and profit sharing. Prerequisite: Business 410.

**3 semester hours****420 Advanced Accounting**

Continuation of Business 265. Topics covered include partnerships, corporate combination and consolidated financial statements. Prerequisite: Business 265.

**3 semester hours**

**425 Government/Not for Profit Accounting**

A study of the accounting principles applicable to economic units without a profit motive. Emphasis given to budgetary accounting and financial control. Prerequisite: Business 265.

**3 semester hours****435 Marketing Management**

A capstone integrated study of managerial issues in marketing. Topics will include developing strategic marketing plans, retail management, sales management and management of physical distribution channels. An emphasis will be placed on the practical application of theory through methods such as simulation, case study and field experiences. Prerequisites: Business 120 or WPI.

**3 semester hours****480 New Entrepreneurship Venture**

This course focuses on identifying the sources of business opportunities, understanding industry characteristics that are more or less favorable for new ventures, generating business ideas, evaluating the feasibility of business ideas, investigating appropriate business models prior to formal business plan development, and developing a business plan.

**3 semester hours****500 Business Internship**

A work experience in business, usually limited to College of Business and Management majors with junior or senior standing. Prerequisite: Written permission of professor in the student's major field and a prepared action plan (student/professor contract) with grading system and learning outcomes identified.

**3-6 semester hours****550 Strategic Management/Business Policy**

A capstone course where the student is required to exercise the fundamentals gained in all business core and associated course work. Focus areas include: information literacy, business knowledge and industry concepts, logical thinking, creative and critical thinking and comprehensive understanding of the interrelationships among major branches of learning. Prerequisite: Senior standing in the College of Business and Management.

**3 semester hours**

**INDIVIDUAL STUDIES:** With proper permission, a major on or off campus study may be completed by a junior or senior with a major or other prerequisite background preparation in the subject area in which the course is registered. This study generally consists of an investigative project of major importance and proportions, planned by the student, approved by the advisor and independently completed during an off-campus or regular on campus semester. This study may be either Guided (identified by the Course number 560 or 570), or Independent (number 600, or 610), may be scheduled with special permission.

**Chemistry(CHEM)****190 Introduction to Chemistry.**

A course designed to provide an overview of the field of chemistry. This course provides a basic foundation for the understanding of chemical phenomena through selected principles and applications. Knowledge of high school algebra or one college mathematics course is recommended.

The laboratory is designed to give the student experience in making measurements and to help in understanding the scientific method as a means of obtaining information. Prerequisite: Grade of C or better in Mathematics 011 or equivalent.

**4 semester hours**

### **200 General Chemistry I**

A study of the principles and theories of atomic and molecular structure, chemical bonding and the physical and chemical properties of the elements. The laboratory is used to emphasize quantitative chemical analysis. Prerequisite: Grade of C or better, or concurrent enrollment in Mathematics 113 or equivalent.

**4 semester hours**

### **210 General Chemistry II**

Continuation of the study of the physical and chemical properties of the elements of chemistry. Ionic equilibrium and reaction kinetics. The laboratory emphasizes both quantitative and qualitative analysis. Prerequisite: Grade C or better in Chemistry 200 or WPI.

**4 semester hours**

### **215 Inorganic Chemistry**

This course serves as an introduction to the chemistry of the elements. Topics include the general chemistry of the main group elements, principles of nuclear chemistry, coordination chemistry of the transition elements, properties of solids and bio-inorganic chemistry. Laboratory work includes qualitative analysis and the synthesis of several coordination compounds and their characterization. Prerequisite: Grade C or better in Chemistry 210.

**4 semester hours**

### **250 Analytical and Instrumental Methods**

This course aims at introducing the student to the principles of analytical chemistry and its application to study of equilibrium and other properties of solutions, particularly as they may be dealt with by quantitative analysis, volumetric and gravimetric analysis. 2 hours lecture, and 2 three-laboratories per week. Prerequisite: Grade of C or better in Chemistry 210

**4 semester hours**

### **291 Principles of Organic and Biological Chemistry**

A brief introduction to structure, properties and nomenclature of organic compounds. Attention is given to types of organic compounds having importance in life processes. Laboratory experiences in basic organic and biochemistry skills and equipment. Prerequisite: Grade of C or better in Chemistry 190, 210, or WPI. (Not open to students who have had Chemistry 310 or 311).

**4 semester hours**

### **300 Principles of Organic Chemistry**

This course is designed to present the chemistry of organic compounds. The structure, properties, use and synthesis are covered. Critical thinking and application of chemical principles to health-related problems are addressed. Prerequisite: Grade of C or better in Chemistry 190 or Chemistry 210 or WPI.

**4 semester hours**

### **303 Environmental and Toxicological Chemistry**

Environmental and Toxicological Chemistry is a one semester, 4 credit hour, upper level chemistry/environmental science course. The goal of this



course is for students to gain an understanding and appreciation for the field of chemistry applied to environmental topics and issues. The course focuses on the application of introductory chemical topics for environmental studies and also the chemistry of freshwater systems. This course focuses heavily on freshwater chemistry and stream chemistry. The chemistry of continental solids and the atmosphere are also discussed. This course is designed to have a field component, and graphing applications in Microsoft Excel are explored. The laboratory experience focuses on wet chemical and instrumental laboratory techniques that are needed to work in an environmental chemistry laboratory.

Prerequisite Courses: Grade of C or better in MATH-113 or equivalent, and CHEM-210 or equivalent

**4 semester hours**

### **310 Organic Chemistry I**

An examination of the physical and chemical properties of organic molecules. Emphasis will be placed on explaining the characteristic reactivity exhibited by classes of organic compounds via a mechanistic interpretation of their behavior. The laboratory is used to emphasize the principles and techniques of this study. Prerequisite: Grade of C or better in Chemistry 210, or WPI.

**4 semester hours**

### **311 Organic Chemistry II**

A continuation of the examination of the properties of organic molecules via a mechanistic interpretation of their reactions and spectroscopic interpretation. The laboratory is used to emphasize the principles and techniques of this study. Prerequisite: Grade of C or better in Chemistry 310 or WPI.

**4 semester hours**

### **315 Physical Chemistry**

This course serves as an introduction to the fundamental physical properties of chemical systems. Topics include kinetics, thermodynamics, molecular and atomic spectroscopy and quantum mechanics. Laboratory work covers the quantitative study of kinetics and thermodynamics. Prerequisite: Grade C or better in Chemistry 215, 310, 311.

**4 semester hours**

### **350 Instrumental Analysis**

This course is designed to continue the analytical focus of Chemistry 250. A project approach to the study of advanced laboratory techniques and modern chemical instrumental methods. In addition, the course covers the handling and statistical treatment of data and the design, operation, uses and limitations of modern instrumental techniques. Two hours lecture, and two three-hour laboratories per week. Prerequisite: Grade of C or better in Chemistry 250.

**4 semester hours**

### **370 Biochemistry**

A study of compounds, reactions and processes important in the functioning of living organisms. The laboratory is used to emphasize the principles and techniques of this study. Prerequisite: Grade C or better in Chemistry 300 or 311 or WPI.

**4 semester hours**



**390 Special Topics in Chemistry**

A course to present topics not listed as regular offerings. The prerequisites and semester hour credit are dependent on the topic offered.

**3-4 semester hours**

**500 Chemistry Internship**

This special course is only available as opportunities are presented for work/study in an off campus environment. Prerequisites are dependent on the nature of the internship.

**1-6 semester hours**

**SPECIAL TOPICS** in this area (identified by the course number 195 for freshman and sophomore level or 390 for junior and senior level) may become available in certain semesters.

**INDIVIDUAL STUDIES** may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600, 610, or 650) may be scheduled with special permission.

**Communications (COMM)****130 Introduction to Public Speaking**

Development of proficiency in oral communication. Construction and extemporaneous delivery of informative and persuasive speeches. Requires a grade of C or above for satisfactory completion.

**3 semester hours**

**140 Principles of Communication**

This course will explore various aspects of communication theory and includes practical application in the areas of intrapersonal, interpersonal, intercultural, group, organizational, public, mass, and online communication.

**3 Semester hours**

**150 Interpersonal Communication**

Emphasis on one-to-one communication. Guidance in self-understanding as a person and as a social being. Examination of how human relationships are created, developed, maintained, and destroyed through communication transactions. Special emphasis on dealing with criticism and conflict resolution.

**3 semester hours**

**155 Introduction to Mass Communication**

This course tracks the development, practice, and regulation of radio, television, cable/satellite delivery, and the Internet. Additionally, students will gain experience with announcing practice throughout the semester.

**3 semester hours**

**160 Analysis and Performance in the Theatre**

Analysis of a play script from the actor's, technician's and director's viewpoints. Translation of the analysis through rehearsal into a fully staged production. Production or rehearsal work required. May be repeated for credit. Prerequisite: WPI.

**1 semester hour**

**175 Media Writing**

Principles and practices of writing mass and interactive communication messages in journalism, public relations, advertising, and digital media contexts. Prerequisites: Grade of C or above in English 190 or WPI.

**3 semester hours**

**185 Principles and Practices of Public Relations**

Introduction to the basic concepts and principles of public relations. Includes study of the history and development of public relations and the different types of PR jobs as well as examination of the essential role that PR plays for many different types of businesses and organizations such as corporations, governments, non-profit agencies, and educational institutions. Also includes instruction in conducting research on public opinion and creating a PR campaign based on research findings, culminating in development of a PR campaign for a real-world business, non-profit, or other type of organization.

**3 semester hours****190 Media and Society**

This course analyzes how film and other media have addressed social issues in America from 1945 onward. Major areas of study will include, but not limited to, the following: racism and bigotry, sexual identity and gender, domestic violence, crime and punishment, the family, and issues related to physical and mental health.

**3 semester hours****220 Media Practicum**

Students will receive hands-on experience in audio and video production of projects for Alderson Broadus University and outside agencies.

Prerequisite: COMM155

**1 semester hour****240 Broadcast Practicum**

This course will provide an introduction to the study and practice of persuasive rhetoric. Students will examine the history/development of persuasive theories, analyze different persuasive campaigns, review the process of developing an argument and conducting research, develop a basic understanding of propaganda and the use of persuasive fallacies versus ethical means of persuasion, and demonstrate using credible research to support their arguments.

**3 semester hours****251 Advertising**

Theoretical principles and practical techniques for developing contemporary advertising. Application of the basic principles to writing for various media. Tools for analyzing audience reaction and results. Theoretical and practical foundation for persuasion and practical motivation. Examination of broadcast advertising and sales, rate cards, sales package, radio/television ratings. Prerequisite: Grade of C or above in Communication 155 or WPI.

**3 semester hours****271 Video Production I**

Students will receive basic instruction in the operation of video equipment and have the opportunity to create short video project. The course will provide the students experience with storyboarding, lighting, basic audio and video production, and editing.

**4 semester hours****330 Advanced Oral Dynamics and Announcing**

Study and practice of public speaking and oral presentation with assignments designed to meet the needs and professional expectations of the individual student. The focus of the course will be on developing oral

presentation skills as well as announcing skills. The study of speeches and radio and television announcing will be the primary method to teach students professional speaking. The emphases of the course are on voice, eye contact, kinesics, stage/microphone/camera presence and other verbal and nonverbal elements. Prerequisite: Communication 130.

**3 semester hours**

### **340 Non-Profit and Corporate Public Relations Case Studies**

Study of public relations as a management tool, building upon what was learned in Communication 185. Focus on how internal and external PR functions in organizations, with study of many businesses and nonprofit organizations and analysis of many PR campaigns.. Students required to present case studies on organizational PR campaigns throughout the semester. Prerequisite: Grade of C or above in Communication 185.

**3 semester hours**

### **350 Social Media**

This course provides an overview of the various types of social media and their advantages, disadvantages, and proper application. Communication 350 provides the student the context to create a social media campaign for business or an organization.

**3 semester hours**

### **355 Mass Communications Law and Ethics**

This course serves as an introduction to regulatory framework governing mass media as well as ethical issues that concern media and journalists. Topics include, but are not limited to, the following topics: First Amendment Rights, slander and libel, intellectual property rights, privacy, credibility and integrity, telecommunication regulations, and reporters' privilege. . Prerequisite: Grade of C or above in Communication 155.

**3 semester hours**

### **370 Video Production II**

Building on skills and concepts introduced in COMM 271, this course provides students the opportunity to further explore the theory and practice of the medium of video. COMM 370 will focus on advanced production techniques and will include use of editing and animation software. Prerequisite: COMM 271 with a C or higher.

**4 semester hours**

### **380 Communication Theory and Research Methods**

Systematic analysis of the leading theories involving the phenomenon of communication. Study of the fundamental nature of communication in its many contexts through learning about leading theories in the field. Analysis of literature reviews and discussion of theoretical concepts. Hypothesis of a theory of the student's choice tested through a pilot study on a communication phenomenon. Prerequisite: Sophomore level or above.

**3 semester hours**

### **390 Special Topics**

Selected and varied subjects presenting opportunity for detailed examination of a topic. Titles under consideration include: Rhetorical Theory, Directing, Conflict Resolution, Public Broadcasting, Television Programming, Distance Education.

**2 semester hours**

**450 Communication Assessment and Careers**

Designed to help seniors majoring in Communication demonstrate their ability to meet the program's student learning outcomes and be prepared for careers of their choice. Seminar format with discussion, one-on-one, and group workshops. Prerequisite: Communication major, senior status.

**1 semester hour****460 Senior Project in Communication**

Field or library research project in speech, theater, or broadcast.

Prerequisites: Upper class status and WPI.

**3 semester hours****500 Communication Internship**

Guided, hands-on experience learning and applying communication skills with a profit or non-profit organization, business, or agency outside the traditional classroom: public relations firms, newspaper outfits, radio or TV stations, film or video companies, health organizations, government agencies, or other institutions. Off-campus experience coordinated by on-campus advisor. Prerequisite: Upper class status and WPI.

**3-6 semester hours**

**INDIVIDUAL STUDIES** which may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600 or 610) may be scheduled with special permission.

**Computer Science (CSCI)****110 Introduction to Computer Science**

Elements of a high level programming language and concepts of algorithm development. Emphasis on good programming style. Lecture 3 hours, 1 credit hour Laboratory for 3 hours per week

**4 semester hours****120 Object Oriented Programming**

This course is an introduction to the programming techniques and concepts of Object Oriented Programming. Focus will be on advanced programming techniques such as Encapsulation, Inheritance, and Polymorphism, along with a practical introduction to elementary data structures. Prerequisite: Grade of C or better in Computer Science 110. Lecture 3 hours, 1 credit hour laboratory 3 hours per week.

**4 semester hours****134 Introduction to Computers**

"Platforms, Applications, Networking" provides a general introduction and familiarization with MS, Windows, the local, state, and global computer networks, and the most useful applications software. Includes history and development of computers. Lecture and lab. Note: May be bypassed with proficiency exam.

**3 semester hours****210 Fundamental Software Design**

This course focus on teaching common practices, patterns and their application to modern software development practices. Major topics include Design Patterns, Software Development Models, and major software design tools and environments. Prerequisite: Grade of C or better in Computer Science 120 or WPI.

**3 semester hours**

**220 Software Engineering**

This course introduces concepts and techniques relevant to the production of large software systems using traditional and modern software engineering practices and methodology. Topics include software process, Requirements engineering, Software Design, Software Quality Assurance, and Software testing, in addition to professional practices.

Prerequisite: Grade of C or better in Computer Science 210.

**3 semester hours**

**225 Medical Informatics**

This course is one to introduce basic computer skills, such as the use of spreadsheets, database systems, word processing and the use of the Internet with special emphasis on nursing applications including telehealth and telemedicine. Open only to nursing majors.

**3 semester hours**

**230 Computer Organization and Architecture**

The course provides basic knowledge of computing systems and introduces their components and interfaces to software. Main topics include the Intel 80X86 CPU architecture, logic circuit design, data representation, and computer architecture. Students also will learn low-level programming using Assembly language. Prerequisite: Grade of C or better in Computer Science 110.

**3 semester hours**

**240 Web and Mobile Application Development**

The course provides in-depth knowledge on web application development and introduces the key concepts of developing mobile applications. Topics will include HTML5 layout and address how to structure pages with CSS3. It also covers JavaScript language and framework, jQuery and jQuery mobile. Prerequisite: Grade of C or better in Computer Science 110.

**3 semester hours**

**315 Theory of Computation**

For many computer science students, skills are taught from a physical perspective. Though there is much to be gained from this practice, it is still necessary to consider computing from a theoretical perspective. This course will cover key principles in both language and computational theory. More specifically we will be exploring computational theory in parts, automata theory and languages, computability theory, and complexity theory. At the conclusion of this course, students will be more capable of “thinking” like a computer. They will be able to apply the content from this course in a way that will better allow them to formulate solutions to real-world problems in their professional careers. Prerequisite: Grade of C or better in Computer Science 110 and Mathematics 167.

**3 semester hours**

**320 Operating Systems**

Operating systems are an essential part of any computing system. In this course, students learn about operating system design principles and common features. They will gain the ability to analyze, explain, critique, and use the design elements and components of any computer operating systems. A special focus will be given to in-depth knowledge of process, memory, and storage management. Advanced topics will also include protection and security, virtual machines, and introduction to distributed

systems. Prerequisite: Grade of C or better in Computer Science 120 and 230.

**3 semester hours**

### **330 Data Structures and Algorithms**

This course will cover advanced data structures and algorithmic analysis from a theoretical and practical perspective. Data Structures covered will include: Trees, Graphs, and Hash Maps. Algorithmic focus will consist of the following topics: Big-O Notation, Graph and Tree Algorithms, Greedy Algorithms, Divide and Conquer Algorithms, and Dynamic Programming. Prerequisite: Grade of C or better in Computer Science 120 and Mathematics 167.

**3 semester hours**

### **340 Data Base Management Systems**

This course is designed to introduce students to modern database design philosophies. It begins with an overview of fundamental relational database concepts, delves into modern relational database principles, and ends with modern alternatives to relational databases.

Through this course, students will learn the fundamental theories of database modelling with extension to high level database models. Students will also be exposed to relational database programming using Structured Query Language (SQL) and advanced topics on relational databases including JDBC, PHP, XML, XSLT, and others. In this course, students will also learn to write programs, analyze data, and perform administrative techniques for relational database. Prerequisite: Grade of C or better in Computer Science 330.

**3 semester hours**

### **355 Computer Networks**

This course will provide students with a broad overview of computer networks. The theory behind the implementation of popularly used frameworks will be explored and students will take part in utilizing networking hardware. Industry terms and standards will be studied as well as diagramming techniques. Students also will gain in-depth knowledge and skill sets in network protocol layers and sub-protocols. Prerequisite: Grade of C or better in Computer Science 110.

**3 semester hours**

### **400 Special Topics in Computer Science**

This course will offer a more detailed examination of various topics not included by other courses. Topics will vary and can be taken multiple times for credit if topics differ. Prerequisite: Grade of C or better in Computer Science 120.

**3 semester hours**

### **410 Programming Languages and Compiler Theory**

Programming language compilers are essential tools for developing software systems. The principals of programming language design and compiler theory are necessary infrastructural element that help students build strong programming skills. This course provides introduction to the design and implementation of programming languages and explores the principles, algorithms, and data structures involved in the design and construction of compilers. Topics include elements of programming languages, syntax, semantics, lexical analysis, context-free grammars, and code parsing

techniques. Prerequisite: Grade of C or better in Computer Science 315.

**3 semester hours**

## **420 Computer Graphics**

This course provides an introduction to computer graphics using the state of the art technology of OpenGL. Through this course, students will gain knowledge about the different computer graphics skills. Then the students will be introduced with the OpenGL technology to learn about basic drawings such as dots, lines, curves, fill-areas, and their attributes. Gradually, the course will navigate through the OpenGL functionalities and learn about its primitive functions. The students will learn some selective algorithms about these graphics primitives. Geometric transformation of graphics will also be covered. We will learn how to transform graphics in the 2D and the 3D spaces. These transformations will prepare the students for the computer animation which we will also cover in this course. The students will then learn about complex objects and their representations, Illumination and surface rendering, and texturing and coloring. Finally, the students will get to learn about interactive graphics and input/output operations. Prerequisite: Grade of C or better in Computer Science 120 and Mathematics 166.

**3 semester hours**

## **430 Information Assurance and Security**

The course focuses on a set of techniques and processes to protect information and information systems by ensuring their confidentiality, integrity, and availability. The topics include access control, defensive programming, Threats and attacks, network security, and web security. Prerequisite: Grade of C or better in Computer Science 355.

**3 semester hours**

## **440 Distributed Computing**

This course is a survey of various topics in the field of Distributed and Parallel Computing. This survey covers the basic conceptual topics of Parallelism, Concurrency, Atomicity, and Consistency to major implementations such as Cloud Computing and Parallel applications and algorithms. Prerequisite: Grade of C or better in Computer Science 320 or WPI.

**3 semester hours**

## **450 Artificial Intelligence**

This course is a survey of various topics in the field of Artificial Intelligence. This survey covers the basics of the start of the field of AI and the early thought experiments of Turing to modern AI techniques of Genetic programming and heuristic searching. This survey will cover both conceptual and implementation details relevant to the field of AI. Prerequisite: Grade of C or better in Computer Science 330 or WPI.

**3 semester hours**

## **490 Senior Design Seminar**

Student in teams determine either a research project or a client-based project and begin determining the project outcomes. In this course, students investigate project choices discover their area of interest. At the end of the course students will provide written report and presentations of the Goals of the project and a plan of achieving these Goals. Prerequisite: Grade of C or better in Computer Science 210.

**1 semester hours**



**491 Senior Design**

Student will meet with various constituents (clients, advisors, teams) to complete their chosen project. In this course, the students work in teams to accomplish their research or client-based projects. Upon completion of the project, students will analyze the results and communicate their conclusions through presentations and a formal research paper or project report. Prerequisite: Grade of C or better in Computer Science 490.

**2 semester hours****Criminal Justice (CJUS)****200 Introduction to Criminal Justice**

This course is designed to acquaint students with the work, professions, and types of organizations in the law enforcement field. The course reviews the conditions associated with etiology of crime and criminal behavior, types of crime, and contemporary theories of criminology.

**3 semester hours****210 Crime and Deviant Behavior**

This course is designed to survey the broad topic of crime and deviant behavior. It reviews the definitions of deviance from a human and personal perspective and considers what it means from theoretical, social, and legal perspectives. The course covers in some depth particular areas of deviance such as specific crimes, legal and illegal drug use, sexual deviance, physical deviance, cognitive deviance, and mental illness. Finally the ideological, ethical, and moral implications of deviance are reviewed.

**3 semester hours****300 Law Enforcement and Police Operations**

This course is an overview of the foundations of American Law Enforcement and includes a review of the history, organizational structure, police practices, and issues faced by police organizations in the United States. Prerequisites: CJUS 210

**3 semester hours****320 Corrections in the 21st Century**

This course provides a historical review and survey of contemporary correctional systems in the United States. Prisons have been a major institution within the law enforcement system in the industrial world for many centuries. However, prisons have undergone great expansion since the 1990's in the US and have become a political force on their own. Nonetheless, it is widely recognized that continuing the expansions of prisons beds, if politically expedient, is not sustainable economically and that prisons may have an overall detrimental effect on many of the inmates in them. Therefore, there is a growing community corrections movement seeking alternative community programs to imprisonment.

**3 semester hours****340 Principles of Criminal Law**

History, development, structure, and interpretations of criminal law, elements of a crime, parties to a crime, and types of offenses. The scope, purpose, and definition of the criminal law in general, including the study of crimes against the person, property, and other offenses.

**3 semester hours**



**390 Special Topics in Criminal Justice**

Selected subjects, varying from offering to offering, present the opportunity for a more detailed examination of a topic than is possible in a general course.

**2-4 semester hours****400 Criminal Investigations**

This course provides a comprehensive overview of the principles and practices of criminal investigations across a wide range of types of crimes. methods, issues faced in criminal investigations, and the basic principles important to protect evidence and the integrity of investigations. Prerequisites: CJUS 210 and 300.

**3 semester hours****410 Ethics in Criminal Justice**

This course addresses the individual's responsibility to act morally and ethically using virtue theory. The course focuses on the strengths of morally good professionals and ways that students and professionals develop and exercise ethical moral judgments. Major system influences on criminal justice ethics are covered and case studies are used to illustrate the many situations and conditions that present ethical challenges to criminal justice professionals.

**3 semester hours****450 Criminal Courts and Procedures**

An examination of the structure and administration of criminal courts and the procedures followed by them. Areas of emphasis include pretrial proceedings, the roles of the prosecution, defense, and judges, trial processes, sentencing and appeals.

**3 semester hours****500 Field Placement**

This course provides the opportunity for students to gain experience in a law enforcement organization. Typically this requires a student to work 8 hours per week during the semester. Approval by the student's major advisor and field placement supervisor is required.

**3 semester hours****550 Seminar in Criminal Justice**

A capstone seminar in criminal justice with a focus on examination and analysis of controversial criminal justice issues. Topics of study will vary depending on the interests of the students. A major research paper will be required. Attention will also be given to career or graduate preparation and placement.

**3 semester hours****Developmental Courses (DEVL)**

**Note:** *These courses do not count toward graduation credit requirements.*

**010 Developmental Reading**

The purpose of this course is to provide students with an opportunity to study the reading process and practice strategies to improve reading comprehension, speed, and vocabulary.

**NOTE:** *Students earning a 17 or below on the ACT, or an SAT Verbal score of 440 or below, are required to enroll in this course.*

**Note:** *This course does not count toward graduation credit requirement.*

**011 Developmental Math**

A course intended for those who lack sufficient algebraic skills to succeed in college mathematics or science courses. Topics include variables, polynomials, expressions, graphs, linear equations, quadratic equations, factoring, proportions and systems of equations. Placement: ACT Math Score below 21 or SAT Math below 500. May take the AB Math Placement test out of course. Grade of C or better to progress.

**018 Developmental English**

Refinement of basic writing skills required for successful college writing. Classes and individual conferences with the instructor. (Grading S or U) Placement: ACT English Score below 18 or SAT Verbal below 400. May take the AB English Language Placement test out of course.

**3 semester hours**

*Note: This course does not count toward graduation credit requirements.*

**020 Applied Learning Skill Development**

This course is designed to provide direct monitoring as students apply their own learning styles and processes to the essential study skills needed for academic success, and to assist students who require a second opportunity to rehabilitate unsatisfactory academic performance.

NOTE: Students who are on academic probation for the second time are required to enroll.

**1 semester hour**

*NOTE: This course does not count toward graduation credit requirements.*

**3 semester hours**

**2 semester hours**

*NOTE: This course does not count toward graduation credit requirements.*

**085 English as a Second Language**

Designed to help students for whom English is a second language. Focus on all four language skills: listening, speaking, reading, and writing, with a cultural component. Grammar emphasized to refine basic writing skills required for successful writing in college. Opportunity for students to raise their level of proficiency in English regardless of their current proficiency. Goal is to improve students' ability to communicate in English in both oral and written work. Limited to students for whom English is a second language. (Grading S or U)

**3 semester hours**

*Note: This course does not count toward graduation credit requirements.*

**Economics (ECON)****201 Macro-Economics**

An introduction to national income accounting and determination, the circular flow diagram, inflation and unemployment, and fiscal policy. Discussion of monetary institutions and policy, economic growth and development, and international trade and finance. (Not restricted to majors in the College of Business and Management).

**3 semester hours**

**211 Micro-Economics**

An introduction to the theories of price, production, and cost. Study of different market forms, government and the price system, and resource markets; introduction to economic analysis and reasoning. (Not restricted to

majors in the College of Business and Management.)

**3 semester hours**

### **280 Money and Banking**

An applied economics approach to understanding the workings of the domestic and international monetary system with a focus on critical thinking, examination of events, and prediction of outcomes. Topics include money, interest rates, banks and other financial intermediaries, the Federal Reserve System, financial markets, monetary policy, and a number of related social and ethical issues. Prerequisite: Economics 201 or WPI.

**3 semester hours**

### **390 Special Topics in Economics**

Selected subjects, varying offerings, presenting the opportunity for a more detailed examination of a topic than is possible in a general course. May consist of a new and innovative methodology or concept newly developed in the economic environment.

**3 semester hours**

**INDIVIDUAL STUDIES**, which may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600, 610, or 650) may be scheduled with special permission.

## **Education (EDUC)**

### **190 Introduction to Computer and Technology Applications for Teachers**

This course is designed to provide “hands-on” experience with instructional technology resources to develop the skills necessary to integrate the use of computers and other technology tools in classroom instruction and professional communications. Included will be an extensive exploration of available instructional software, popular search engines and subject directories, and Internet sites. This course will examine the importance of critical evaluation and management of resources. It will also provide an introduction to contemporary communication systems (Email, World Wide Web, wikis, blogs, podcasts, distance learning and video conferencing). Skill will be demonstrated through class projects.

**3 semester hours**

### **220 Foundations of US Education within a Multicultural Society**

This course will allow education majors to analyze and evaluate the historic background, traditions, organizational principles, policies and the function of the public school within the current context of change caused by the influences of multi-cultural factors as demonstrated by shifts in public policy, demographics, perceptions and mores of the American public. Within the context of stasis and dynamic change, the role of the public school and public school teachers will be analyzed and evaluated to answer questions regarding the role that public schools and public school teachers play to meet their historic role in an increasingly diverse society. The course consists of a required public school laboratory experience in consisting of at least 10, one-hour observation sessions.

**3 semester hours**

### **260 Psychological Foundations and Development of Early Childhood through Adolescence**

Psychological Foundations and Development of Early Childhood through

Adolescence acquaints the teacher education candidate with the stages of human development—physical, social, emotional, intellectual, cognitive, and moral. The course examines diversity variables that impact student learning and the broad base of research and knowledge of learning theory. The course promotes critical thinking and analysis of effective teaching and classroom management, and assists the pre-service educator in developing behavior management plan, instructional objectives, and student assessments. Field Experience Laboratory in public schools for 15 hours. Prerequisite: Sophomore, Education Foundations 220 (Formerly EDUC 200) or concurrent. Also encourage students to have completed Communications 130, EDUC 190 Technology Applications for Teachers, English 190 & 200, as this course will involve public speaking, use of technology, and the writing of an extensive research paper.) Prior to enrolling in EDUC 260 and in order to take this course, all course participants are required to attempt (but not necessarily pass) the ETS Praxis Core Academic Standards for Educators (CASE).

**3 semester hours**

### **304 Mathematics in the Elementary School**

Designed to introduce skills of pedagogy necessary to teach mathematics at the elementary level. Class sessions are a combination of lecture and hands-on experiences. Prerequisite: Education 260, Grade of C or better in Math 113, 221, 222 or WPI. Must have full admission into teacher education program. Open only to education majors. 15 hours field experience in Public Schools is required.

**3 semester hours**

### **305 Science in the Elementary School**

A course designed to introduce the elementary teacher to the methodologies of science teaching involving an understanding of the level of the learners in relation to the techniques and methods most appropriate to their learning abilities and modes. An introduction to the nature, scope, rationale and philosophy of the more commonly used science curriculum projects in the elementary schools. Class sessions are a combination of lecture and hands-on experiences. Prerequisite: Education 260. Must have full admission into teacher education program. Co-requisite or prerequisite: Reading 320. Must have completed at least 6 credits of program science requirements or WPI. 10 hours field experience in Public Schools is required.

**3 semester hours**

### **313 Physical Education Methods — PreK-Elementary Learners**

Taken concurrently with general methods and laboratory experiences. Prerequisite or Concurrent with: Reading 300, full admission into teacher education program. Field Experience in Public Schools is required.

**1 semester hour**

### **317 Health Education Methods — PreK-Elementary Learners**

Taken concurrently with general methods and laboratory experiences. Prerequisite or Concurrent with: Reading 300, full admission into teacher education program. Field Experience in Public Schools is required.

**1 semester hour**

### **320 Middle Schools: Design and Issues**

A seminar on middle school curricular and facility design, and current issues in middle childhood education and middle school students. Concurrent

laboratory experience in the public schools. Prerequisite: Reading 300 or Reading 320 and 322, full admission into teacher education program. Concurrent with Education 329.

Field Experience in Public Schools is required.

**1 semester hour**

### **322 Mathematics Methods — Grade 5-9 Learners**

Taken concurrently with general methods and laboratory experiences.

Prerequisite: Reading 300, full admission into teacher education program.

Field Experience in Public Schools is required.

**1 semester hour**

### **324 Science Methods — Grade 5-9 Learners**

Taken concurrently with general methods and laboratory experiences.

Prerequisite: Reading 300, full admission into teacher education program.

10 hours field experience in Public Schools is required.

**1 semester hour**

### **325 Social Studies Methods — Grade 5-9 Learners**

Taken concurrently with general methods and laboratory experiences.

Prerequisite: Reading 300, full admission into teacher education program.

Field Experience in Public Schools is required.

**1 semester hour**

### **329 Laboratory Experience — Middle Childhood (5-9) Level**

Approximately 30 hours in the public schools, taken concurrently with Education 320. Field Experience in Public Schools is required.

**1 semester hour**

### **332 Mathematics Methods — Grade 9-Adult Learners**

Taken concurrently with general methods and laboratory experiences.

Prerequisite: Reading 300, full admission into teacher education. Field

Experience in Public Schools is required.

**1 semester hours**

### **333 Physical Education Methods — Grade 5-Adult Learners**

Taken concurrently with general methods and laboratory experiences.

Prerequisite: Reading 300, full admission into teacher education program.

Field Experience in Public Schools is required.

**2 semester hours**

### **335 Social Studies Methods — Grade 9-Adult Learners**

Taken concurrently with general methods and laboratory experiences.

Prerequisite: Reading 300, full admission into teacher education program.

Field Experience in Public Schools is required.

**1 semester hour**

### **337 Health Education Methods — Grade 5-Adult Learners**

Taken concurrently with general methods and laboratory experiences.

Prerequisite: Reading 300, full admission into teacher education program.

Field Experience in Public Schools is required.

**1 semester hour**

### **342 Social Studies in the Elementary School**

A course designed to guide the elementary education student in a study of the objectives, materials, instructional techniques and methodologies appropriate to the elementary school social studies program. Prerequisites: EDUC 260, full admission into teacher education program. Must have completed a minimum of 12 credits of Social Sciences requirements.

**3 semester hours**

**388 Methods, Assessment and Management for the K-12 Teacher**

This course is intended to give students the opportunity to develop skills in planning, assessment, and management for instruction and teaching in the K-12 classroom. Students will develop skills in teaching, classroom management, student assessment and instructional strategies that are part of the instructional experience. Students will develop a knowledge base in secondary methods that will allow the prospective teacher to choose from a variety of strategies needed to deliver knowledge to a diverse group of learners. Full admission to TEP required.

**3 semester hours****500 Student Teaching**

Culmination and synthesis of professional study through directed observation and supervised teaching in assigned areas and at appropriate levels, 15 week minimum in the public schools. Prerequisite: criteria met for student teaching. Concurrent with Education 550.

**12 semester hours****501 Student Teaching**

Open to persons seeking or who already hold the bachelor's degree with certification, and are seeking additional certification. Variable credit is based on a proposal written by the advisor in which the request lists the previous teaching experience or certification.

**1-12 semester hours****550 Seminar in the Philosophy of Teaching**

Discussion of the ethical and professional role of the teacher and its application to the solution of problems occurring during the period of student teaching. Students will complete preparation for job seeking and build a professional portfolio and work sample project in the course. (Grading: Satisfactory, Unsatisfactory.) Concurrent with Education 500.

**1 semester hour**

**SPECIAL TOPICS** in this area (identified by the course number 195 for freshman and sophomore-level 390 for junior and senior-level) may become available in certain semesters. See page 170 for a general description of this type of course.

**INDIVIDUAL STUDIES** which may be either Guided (identified by the course number 560) or Independent (numbered 600 or 650) may be scheduled with special permission.

**English (ENGL)**

(See also Journalism)

**190 Freshman Composition**

Refinement of basic writing process from prewriting to final draft. Short essays and documented papers with emphasis on logic, clarity, coherence, and effectiveness. Correct usage and refined sentence structure studied as needed. Requires a grade of C or above for satisfactory completion. Prerequisite: Successful completion of English 018 or equivalent competence.

**3 semester hours****200 Advanced Composition**

Attention to refinement of language usage, development of individual style and competence in the writing of critical, analytical, and persuasive essays,

with some essays requiring research and documentation. Requires a grade of C or above for satisfactory completion. Prerequisite: Grade of C or above in English 190.

**3 semester hours**

## **220 Appalachian Literature**

Consideration of the literature and culture of Appalachia and the nature of literature itself. Reading, listening, visiting lecturers, and discussion. Prerequisite: Grade of C or above in English 190 or WPI.

**3 semester hours**

## **225 Ethnic Literature in the United States**

Reading and discussion of the literature of a number of ethnic groups in the United States. Prerequisite: Grade of C or above in English 190 or WPI.

**3 semester hours**

## **230 Creative Writing**

Study of the creative process and individual application of it in the writing of fiction, poetry, plays, and personal essays. Student writings critiqued in workshop sessions. Not limited to English majors. May be repeated for credit. Prerequisite: Grade of C or above in English 190.

**3 semester hours**

## **240 Practicum in Publication of Creative Work**

Supervised experience on the student editorial board of InFlux, the campus literary publication, including submission of creative writing for review, regular workshop reviews and critiques of creative work submitted by others, and assistance in editing the publication. Not limited to English majors. May be repeated for credit.

**1 semester hour**

## **245 Practicum in Grant Writing**

Supervised experience in grant writing with the Alderson Broaddus Development Office, assisting with research, writing, and editing of grant proposals. May be repeated for credit. Prerequisite: Grade of C or above in English 260.

**1 semester hour**

## **250 Advanced Grammar**

Study and application of descriptive and structural grammar with particular attention to the application of the principles of grammar to correctness and the refinement of writing style. Includes practice in applying principles of grammar and syntax to editing and teaching situations. Prerequisite: Grade of C or above in English 190.

**3 semester hours**

## **260 Technical Writing**

Application of basic writing skills to facts and data on subjects of the student's choice. Practice in writing instructions, descriptions, definitions, classifications, reports, and research. A grade of C or above is needed to pass the course. Requires a grade of C or above for satisfactory completion. Prerequisite: Grade of C or above in English 190;

**3 semester hours**

## **281 Forms of Literature: Drama**

Examination of drama through reading, viewing, hearing and criticizing of drama from various periods and movements. Prerequisite: Grade of C or above in English 190 or WPI.

**3 semester hours**



**282 Forms of Literature: Nonfiction Prose**

Study of literary nonfiction prose, including the personal essay and autobiography. Students encouraged to emulate models in their own writing. Prerequisite: Grade of C or above in English 190 or WPI.

**3 semester hours****283 Forms of Literature: Fiction**

Study of elements of fiction (narration, conflict, characterization, theme, atmosphere, tone, style, and symbolism) in short stories, novellas, and/or novels. Students encouraged to use these elements in original writing. Prerequisite: Grade of C or above in English 190 or WPI.

**3 semester hours****284 Forms of Literature: Poetry**

Study of the elements of poetry (imagery, sound, rhythm, and form) in traditional and modern poetry. Students encouraged to use these elements in original poetry. Prerequisite: Grade of C or above in English 190 or WPI.

**3 semester hours****290 Shakespeare**

Reading, viewing, and discussion of representative comedies, tragedies, and histories, and reading and discussion of representative sonnets. Prerequisite: Grade of C or above in English 190.

**3 semester hours****350 Early American Literature**

Reading and discussion of American literature through the end of the Civil War. Prerequisite: Grade of C or above in English 190. Recommended for sophomore level or above.

**3 semester hours****355 Modern American Literature**

Reading and discussion of American literature since the Civil War. Prerequisite: Grade of C or above in English 190. Recommended for sophomore level or above.

**3 semester hours****360 World Literature**

A study of literatures other than American and British, with selected readings from the ancient past to the eighteenth century. Prerequisite: Grade of C or above in English 190. Recommended for sophomore level or above.

**3 semester hours****365 Nineteenth and Twentieth Century World Masterpieces**

Selections from nineteenth and twentieth century literature other than American and British, with a thematic focus that may vary from year to year. Prerequisite: Grade of C or above in English 190. Recommended for sophomore level or above.

**3 semester hours****370 Early British Literature**

A course in British literature from the Anglo-Saxon period through the eighteenth century. Prerequisite: Grade of C or above in English 190. Recommended for sophomore level or above.

**3 semester hours****375 British Literature since 1785**

Reading and discussion of British literature from the beginning of the



Romantic Movement to the present. Prerequisite: Grade of C or above in English 190. Recommended for sophomore level or above.

**3 semester hours**

### **385 Studies of Myths and Fairy Tales**

A systematic study of myths and fairy tales through approaches that include the historical (particularly their oral roots), typological, psychological, structural, and literary. Examination of mythic and folkloric elements as deep structures of literary works by individual authors. Prerequisite: Grade of C or above in English 190; sophomore level or above. English majors only or WPI.

**3 semester hours**

### **390 Special Topics in Literature**

Selected and varying subjects presenting opportunity for detailed examination of a topic. Prerequisite: Grade of C or above in English 190.

**3 semester hours**

### **410 Development of the English Language (Inactive after Fall 2013)**

Study of the history of the English language with particular attention to Anglo-Saxon and medieval literature; study of the development of standardized English; and examination of the relationship of historical development and cultural context to contemporary language issues. Prerequisite: Grade of C or above in English 190. Recommended for sophomore level or above.

**3 semester hours**

### **450 Senior Portfolio Project**

A senior creative or professional writing project representing the culmination of a student's undergraduate creative or professional work. Prerequisite: Senior status or WPI, English majors only.

**1 semester hour**

### **465 Senior Seminar in Literature**

Study of the creative process in literature, using selected works. Culminates in a major research project and presentation by each student. Prerequisite: Four courses in literature. English majors only or WPI.

**3 semester hours**

### **500 Internship in Professional Writing**

Supervised experience in an on-campus or off-campus office or other appropriate workplace, performing professional writing, editing, design, and/or publication tasks. May be repeated once for credit. Prerequisites: Grade of C or above in English 260, Grade of C or above in Journalism 210, and senior status.

**3 semester hours**

### **510 Internship in Publication of Creative Work**

Supervised experience as editor of a literary publication, with chief responsibility for publication of InFlux, including supervision of a student editorial board in the selection and editing of creative writing submitted by members of the campus community; planning and implementation of format and design; and final production and distribution. Prerequisite: 6 semester hours of English 240, 9 semester hours of English 230 or 610, senior status, and WPI.

**3 semester hours**

**INDIVIDUAL STUDIES**, which may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600, 610, or 650) may be scheduled with special permission.

## **Environmental Science (ENVS)**

### **210 Environmental Science**

An introduction to the highly interdisciplinary study of environmental science with an emphasis on the biological environment. Topics include: Biological communities and their relationships to the environment; population dynamics; food supplies and agriculture; endangered species; introduces species; problems facing earth's major ecosystems; causes, impacts, and mitigation of ecological threats. Laboratory exercises, projects and field trips are components of this course. Prerequisite: high school level biology strongly recommended. Grade of C or better to progress.

**4 semester hours**

### **325 Sedimentation and Erosion**

This class is a survey of sedimentology/stratigraphy, fluvial geomorphology, and pedology as needed for the environmental professional. Topics discussed will include sedimentary facies, sedimentary rock identification, physical parameters of stream flow, stream discharge, stream competence and capacity, Rosgen stream classification, natural stream restoration, physical weathering, chemical weathering, clay minerals, soil formation, soil classification, soil erosion, hillslope processes, and erosion management and regulations. This class will prepare students to work within the field of erosion and sedimentation control and management. The laboratory component would involve both laboratory experience and field work.

Prerequisite Courses: Grade of C or better in MATH-113 or equivalent, and GEOL-190

**4 semester hours**

### **330 Environmental Engineering**

Environmental Engineering is the application of structures, equipment and systems that are designed to protect and enhance the quality of the environment and to protect and enhance public health and welfare. This course examines how environmental engineers apply scientific and design principles to construct systems that provide clean air and drinking water, and clean up wastes generated by human activities. Prerequisite: Grade of C or better in Environmental Science 210.

**3 semester hours**

### **335 Watershed Hydrology**

This course is an introduction to watersheds as hydrologic units. The goal of this class is for students to gain an understanding of watershed dynamics, surface flow, and processes that impact water quality within a watershed. Students are introduced to the Hydrologic Unit Code (HUC) system, the National Hydrologic Dataset, the National Pollutant Discharge Elimination System (NPDES), and basic watershed modeling techniques. Students will gain an understanding of watersheds as a management/regulatory unit. Surface water management regulations will be discussed. The laboratory experience will focus on statistical, GIS, and field techniques utilized for surface water analysis.

Prerequisite Courses: Grade of C or better in MATH-113 or equivalent, and GEOL-190 or ENVS-210

**3 semester hours**

### **340 Environmental Policy and Regulation**

Environmental Policy & Regulation introduces students to the political

debates and strategies that have led to the current national and state environmental policies, in order to help them understand the conditions that propagated the need for policies, the options available to governments, and the potential for policy changes. This course provides the students with a working knowledge of the legal framework that regulates air, water and land pollution as well as resource extraction. The primary laws explored during the class are the Comprehensive Environmental Response, Compensation and Liability Act, the Resource Conservation and Recovery Act, the Clean Air Act and the Clean Water Act.

**3 semester hours**

### **350 Applied Environmental Regulation**

This course provides the students with a working knowledge of how the federal and state legal framework that regulates pollution and resource extraction, and experience in how target thresholds are propagated. Students will also learn how these policies are enforced by government agencies, especially the Comprehensive Environmental Response, Compensation and Liability Act, the Resource Conservation and Recovery Act, the Clean Air Act and the Clean Water Act. Prerequisite: Grade of C or better in Environmental Science 340.

**3 semester hours**

### **356 Introduction to GIS**

This is an introductory Geographic Information System (GIS) course in which students learn the basic theories and techniques of global information science (GISc). At the end of this course, the students will be able to produce well formatted maps, find and utilize GIS data, understand the basics of vector, raster, and tabulated data, and conduct simple spatial analysis. The laboratory experience will utilize ESRI's ArcInfo software, and students will become fluent in the basic functionality of this software tool.

Prerequisite Courses: Grade of C or better in MATH-113 or equivalent

**4 semester hours**

### **390 Special Topics in Environmental Science**

A course to permit the offering of courses that are not regular offerings in Environmental Science. Offerings are determined to address the expertise of the faculty or enrich programs of study. Specific topics are advertised at scheduled registration periods. Prerequisites vary depending on the course offered.

**2 or 3 semester hours**

### **405 Applied Remote Sensing**

This course provides students with an applied knowledge of the science of remote sensing and image interpretation. Students will gain hands-on experience working with satellite and aerial data. In lab students will work with ESRI Arcinfo and ERDAS Imagine software packages. The goal of this course is for students to gain a working knowledge of the theory and use of remote sensing for monitoring Earth's surface.

**4 semester hours**

### **420 Wetlands Ecology and Regulation**

This course studies the ecosystem structure and function of freshwater and estuarine wetlands, the ecological services they provide and their value to society. The course focuses on scientific field and lab techniques, in seven basic areas; 1) characteristics used to identify wetlands (vegetation, soils, hydrology), 2) classification of wetlands, 3) plant and animal adaptations

to anaerobic conditions, 4) wetland community structure and ecosystem processes, 5) biogeochemistry of wetlands, 6) wetland functions and values, and 7) management of wetlands.

Prerequisite: Grade of C or better in Biology 211 or Environmental Science 210. Lecture 3 hours, laboratory 3 hours per week with field trips.

**4 semester hours**

### **430 Environmental Risk Analysis**

Risk Analysis forms the basis for making decisions related to ecology and human health. Risk analysis requires integrating toxicology, statistical probability and law to make decisions even when these aspects are in direct conflict. The complexity of environmental issues requires that risk be continually measured and communicated in the presence of scientific evidence and regulatory interpretations which are often inconsistent and evolving. This course will examine the risk analysis and assessment processes for ecological and human health, their strengths and weaknesses, and managing and communicating that risk. Prerequisite: Grade of C or better in Environmental Science 210.

**3 semester hours**

### **465 Advanced GIS**

This is a more advanced GIS course in which students are required to complete a GIS research project, perhaps as part of their senior research. Lecture material for this course consists of advanced GIS techniques such as raster-based spatial analysis, suitability modeling, geostatistical modeling, image analysis, image classification, terrain analysis, and metadata development. There is a remote sensing component within the class in which student explore the basics of working with satellite imagery, aerial imagery, and digital elevation data. Students are expected to solve real world spatial problems using available GIS techniques and critical thinking. Students are introduced to additional software such as Erdas Imagine, Geospatial Modeling Environment (GME) (free), and FragStats (free). This course is designed to prepare students for a GIS career or graduate studies in GIS applications.

Prerequisite Courses: Grade of C or better in MATH-113 or equivalent, and ENVS-365 Introduction to GIS

**4 semester hours**

### **475 Wildlife Management Techniques**

A course designed to introduce students to the experimental design, field, and laboratory techniques, population analysis, and habitat analysis of wildlife populations. Emphasis will be placed on but not limited to local wildlife. Laboratories will be classroom and field-based, giving practical, hands-on applications of lecture material. Prerequisites: Grade of C or better in Environmental 210 or Biology 211. Lecture 3 hours, laboratory 3 hours per week, as well as field trips.

**4 semester hours**

### **500 Internship in Environmental Science**

This course is only available as opportunities are presented for work/study in an off-campus environment. Prerequisites dependent on the nature of the internship.

**1-6 semester hours**

**550 Seminar in Global Environmental Resources**

Students will identify and analyze important contemporary environmental issues or problems of importance to the global community. Each student will select and study in depth at least one major topic, present the findings in a scholarly paper, and give an oral presentation on the topic. The presentation will be followed by group discussion of the topic and its implications to the world environment. Prerequisite: Environmental Science 210.

**1 semester hour**

**INDIVIDUAL STUDIES**, which may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600 or 650) may be scheduled with special permission.

**Exercise Science (EXSC)****150 Athletic Taping and Bracing**

A course that studies the different aspects of sports medicine with a “hands on” approach. Topics include taping techniques, modalities, protective equipment fitting, orthotic fabrication, as well as other information about record keeping in the athletic training clinic.

**1 semester hours****250 Orthopedic Evaluation of the Lower Extremity**

A course that studies the advanced orthopedic evaluation of the foot, ankle, knee, thigh, hip and lower back. Areas of emphasis include anatomy, evaluation skills (history taking, observation, palpation, muscle testing, etc.) and special tests to determine the extent of injury or disease to the lower extremity of the active individual. Course involves both traditional classroom lectures and clinical skills practice.

**3 semester hours****260 Orthopedic Evaluation of the Upper Extremity**

A continuation of Athletic Training 250, this course studies the advanced orthopedic evaluation of the hand, wrist, elbow, shoulder, head, neck and thorax. Areas of emphasis include anatomy, evaluation skills (history taking, observation, palpation, muscle testing, etc.) and special tests to determine the extent of injury or disease to the upper extremity of the active individual. Course involves both traditional classroom lectures and clinical skills practice.

**3 semester hours****261 Strength Training and Conditioning**

Included are the nutritional components of strength training and athletic conditioning.

**1 semester hour****270 Athletic Injury Control and Management**

Theoretical and practical methods of preventing and treating athletic injuries.

**3 semester hours****305 Kinesiology/Biomechanics**

Principles of the mechanics of bodily movement in relation to anatomical structure and application of these principles to effective motor learning.

Prerequisite: Biology 271.

**3 semester hours****315 Physiology of Exercise**

Analysis of physiological changes which occur in the body during muscular activity. Prerequisite: Biology 271.

**3 semester hours**

**370 Rehabilitation of Athletic Injuries**

A course that studies the theory, technique, skills and rational approach to rehabilitation of the injured active individual. Areas of study include PNF techniques, joint mobilization, modality use, specific methods, and programs for specific injuries and criteria for safe and effective return to activity. Course involves both traditional classroom lectures and clinical skills practice.

**4 semester hours****400 Sports Medicine**

This course acquaints the student with the many and varied aspects of medical science that are related to exercise aggravated or induced pathology. The physiologic adaptations to the physical and mental stress of exercise form the basis of the lectures. Included is the use of physical activity in both the treatment and prevention of certain diseases. Also included are the basic principles of cardiac diseases. Course involves both traditional classroom lectures and clinical skills practice.

**4 semester hours****420 Evidence Based Practice Research in Healthcare**

Designed to provide students with exposure to Evidence Based Practice and utilizing current literature to influence clinical decisions. The course will also introduce students to the research process, including methodology, verification, and reporting. Each student will, under faculty guidance and supervision, design and carry out a research project in the area of their chosen specialization. The course concludes with the presentation of research findings.

**3 semester hours****450 Internship in Exercise Science**

Experiential learning and practical work at an approved site where students will utilize the academic knowledge of their concentration in Exercise Science to develop knowledge, skills, abilities and experiences in their selected field.

**3 semester hours****French (FRCH)****110 Elementary French I (Inactive)**

Introductory language study focusing on the development of communicative competency. Emphasis on listening, speaking, reading, writing, and culture. Lab work required.

**3 semester hours****111 Elementary French II (Inactive)**

Continuation of language study with somewhat more emphasis on listening and speaking skills. Lab work required. Prerequisite: Grade of C or above in French 1.50.

**3 semester hours****220 Intermediate French I (Inactive)**

Comprehensive continuation of four-skill study of French language and culture. Lab work and oral presentation required. Most of class conducted in French. Prerequisite: Grade of C or above in French 111.

**3 semester hours****221 Intermediate French II (Inactive)**

Continued study of the four language skills and culture. Lab work and oral presentation required. Class conducted in French. Prerequisite: Grade of C or above in French 220.

**3 semester hours**

## General Studies (GNST)

### **101 College Success – Making the Transition to College Life**

The purpose of this course is to provide first-year students with an understanding of the tools for making a successful transition from high school to college; to ensure that they become active, responsible members of the community; to help them acquire basic academic survival skills; and to help them develop into self-motivated, life-long learners. Open to all first-year students.

NOTE: *Students who are required to complete 2 or more developmental courses are required to enroll in this course.*

**3 semester hours**

### **120 Learning Skill Development**

This course is designed to help students identify their own learning styles and processes, and apply them to the essential study skills needed for academic success, in order to assist students in beginning the process of rehabilitating unsatisfactory academic performance.

NOTE: Students who are on academic probation are required to enroll.

**1 semester hour**

## Geography (GEOG)

### **200 Principles of Physical and Human Geography**

The physical habitat of man, and the manner in which man acts upon it and is influenced by it.

**3 semester hours**

### **300 World Geography**

Major geographic regions of the world; their contrasts as seen through population distribution and land utilization. Prerequisite: Geography 200.

**3 semester hours**

## Geology (GEOL)

### **190 Introduction to Geology**

Petrologic, structural and dynamic geology. History of Earth as revealed in stratification and the fossils of animal and plant life deposited in these strata, as well as the processes that shaped the earth and are changing its features continuously. There will be three hours of lecture and two hours of laboratory each week.

**4 semester hours**

### **350 Hydrogeology**

This course is an advanced geology course with a focus on groundwater.

This class focuses on properties of aquifers and confining layers, water budgeting, groundwater movement, siting of groundwater wells, groundwater quality, groundwater contamination, and regulatory practices associated with ground water as a public water supply.

Prerequisite Courses: Grade of C or better in MATH-113 or equivalent, and GEOL-190

**3 semester hours**

### **390 Special Topics**

A variety of unlisted geology courses may be taught during certain semesters depending on student interests and need. Such courses might include Mineralogy and Petrology, Engineering Geology, Structural Geology, Quaternary Geology, Problems in Environmental Geology, Geology of West



Virginia, Geologic Field Methods, and special summer field course offerings.

**3-4 semester hours**

## **German (GERM)**

### **100 Conversational German**

Introduction to oral German through listening and active dialogue.  
Introduction to basic grammar and syntax. Available only to students registering for the International Studies Program.

**4 semester hours**

### **110 Elementary German**

Not currently being offered  
Introduction to the fundamentals of German grammar and syntax through grammatical explanation, oral drilling and conversation. Emphasis on speakers of the language and reading and listening comprehension.  
Reinforcement through cassette tapes.

**3 semester hours**

### **150 Conversational German II**

Continuation of the study of oral German through listening and active dialogue. Introduction to basic grammar and syntax. Available only to students registering for the International Studies Program.

**4 semester hours**

## **Health Education (HEED)**

### **250 Personal Health**

Guidance in approaching health scientifically and developing confidence in making decisions affecting personal health.

**3 semester hours**

### **280 Contemporary Health Issues**

Existing and emerging health problems affecting specific localities, also on national and international levels. Biological and socio-psychological principles for solution.

**2 semester hours**

### **350 School Health and School Health Programs**

Organization, educational aspects and personnel relationships involved in school health services, healthful school living and health education for grades Pre K-Adult. (Not open to freshmen.)

**2 semester hours**

### **400 Community Health Education and Promotion**

Emphasis on different populations of patients and how those populations, be they cultural, occupational, or communities, affect the health and disease of the individuals within those populations. There will be an introduction of the epidemiology and biostatistical basis for disease in order to give the students a background with which to establish appropriate screening mechanism for the purposes of early identification and prevention of disease, as well as a basis for accurate interpretation of the medical literature.

**3 semester hours**

## **Health Science (HSCI)**

### **100 Health Care Terminology**

A study of terminology used in the health care field. Includes the foundations



for understanding root prefixes and suffixes in relation to determining the meaning of basic health care terminology. Provides foundational understanding of terminology to enhance learning in future nursing and support courses.

**2 semester hours**

## **260 Nutrition**

Designed to provide a basic understanding of the nutritional aspects of body composition and the direct relationship of nutrition to the improvement of physical performance. An attempt is made to provide the student with the tools necessary to design nutritional programs and to analyze dietary habits.

**3 semester hours**

## **261 Strength Training and Conditioning**

Included are the nutritional components of strength training and athletic conditioning.

**1 semester hour**

## **390 Special Topics in Health Science**

Selected and varying subjects in Health Science.

**3 semester hours**

## **550 Seminar in Problems in Healthcare Delivery**

Issues in quality health care delivery. Consideration of the health-team approach and its interrelated functioning, including attention to accountability of health services and the consumer movement. Prerequisite: Junior or senior status. (Grading: Honor, Satisfactory, or Unsatisfactory.)

**1 semester hour**

## **History (HIST)**

### **150 Civilization I**

Designed to deal with the most significant cross sections of world cultures from the beginnings of civilization up to the Post-Classical Era (1500). A background of social, cultural, economic, environmental and political history is intensified by an emphasis upon primary sources

**3 semester hours**

### **160 Civilization II**

Continuation of History 150, from the Early Modern Era (1500) to the present. A background of social, cultural, economic, environmental and political history with readings from primary sources. Includes the development of science and technology.

**3 semester hours**

### **200 History of the United States to 1877**

A survey of the history of the United States from its colonial roots through the end of Reconstruction in 1877. The course explores developments such as the colonization of North America, the Atlantic system, slavery, the American Revolution and its aftermath, the expansion of the nation, the growth of sectionalism, and the impact of the Civil War and Reconstruction, among others, the eyes and voices of a multitude of participants who built and shaped American society.

**3 semester hours**

### **210 History of the United States Since 1877**

A survey of the history of America from the end of Reconstruction in 1877 to the present. During this era, the United States was transformed from a fairly

insignificant nation into the most economically and militarily powerful force on the planet. The primary focus of this course is to consider how and why this transformation occurred along with specific events that reveal the ups and downs of the American story, such as the unparalleled success of the American economy during much of this era and the devastating collapse of the U.S. economy during the Great Depression, the unprecedented military success during World War II and the socially divisive experiences during the Vietnam War, and America's rise to international prominence and the numerous difficulties of becoming and remaining a "superpower."

**3 semester hours**

## **220 The Western Tradition**

A survey of the West's intellectual tradition from the late-Middle Ages to the present. The class considers the contributions of individual writers, artists, religious reformers, and political and economic theorists along with the general intellectual movements associated with each "era" (Medieval, Renaissance, Reformation, Romanticism, the scientific revolution, the development of capitalism, classical liberalism, etc.).

**3 semester hours**

## **230 Appalachian Studies**

An interdisciplinary study of the major problems in Appalachian history from the colonial period to the present. The class content includes the perspectives of social, political, economic and environmental histories. Special attention will be given to West Virginia history.

**3 semester hours**

## **240 History of Sports in America**

Note: *Does not meet Liberal Studies Goal II-D*

The course surveys select topics in the history of sports in America, taking social, cultural, economic, and political angles of analysis. Readings and content include historical writings, sports journalism, and a selection of primary sources.

**3 semester hours**

## **250 Contemporary United States History, 1945-present**

The history of the United States from the end of World War II to the present. During this period America became the most powerful nation in world history, all the while experiencing dramatic changes in its domestic life. We will study the social and political ramifications wrought by World War II and the Cold War, the movements for social justice, the significant role of popular culture in post-war America, and various challenges to the American dream. Along the way we will examine some of the events that changed America, including wars in Korea and Vietnam, efforts to build the Great Society, the civil rights movement, the feminist movement, the student and antiwar movements, the Watergate and Nixon years, the conservative movement, the Reagan years and the end of the Cold War. We will conclude with a discussion of post-Cold War America and possible ramification of 9/11.

**3 semester hours**

## **260 United States and the World**

The international relations of the U.S. as it rose from its weakness during the American Revolution to its status as the most powerful nation in world history. This course explores how and why the nation was able to achieve superpower status by examining some of the key events, ideas, and

personalities in the history of U.S. foreign relations. The primary questions of the course: How and why did the U.S. expand its power and prestige around the globe? What were the consequences of this rise to superpower status for the nation and the world?

**3 semester hours**

### **270 Civil Wars Era**

An overview of the causes, fighting, and outcomes of the American Civil War and the post-war period known as Reconstruction. The course will feature: the political, economic, and social dimensions of sectionalism leading up to the war; the process of secession; the battle front and the home front on the Union and Confederate sides; the goals of both sides in the war and the means they used to achieve those goals (and how the contingencies of war required changes in both means and ends); and the political, legal, and social consequences of Reconstruction.

**3 semester hours**

### **280 World Wars, 1914-1945**

A survey of the causes, fighting, and outcomes of the first and second world wars and the interwar years. War and its aftermath dominated the period from 1914-1945. World War I and World War II are often seen as one large war by historians, with a twenty year armistice between the conflicts. We will look at both wars from a political, military and social perspective, focusing on the effects that these wars had on world developments. We will also consider the interwar years—European, American and Japanese prosperity during the 1920s, the economic collapse of the Great Depression, the rise of fascism and the authoritarian state.

**3 semester hours**

### **290 Contemporary World History**

A study of contemporary world history. The primary question of this course: How did the world get to its current circumstances? The last century seemed to be propelled by two contradictory forces: increasing global economic interdependence and increasing conflict, turmoil and upheaval. General topics include: the costs and consequences of war; revolutions in politics, technology, economics and society; the impacts of decolonization; increasing globalization and its consequences.

**3 semester hours**

### **310 United States History, Revolution to 1850**

History of the United States from its founding to 1850. This course concerns the American revolution (with a lower case r), beginning with the original colonial revolution through a series of revolutionary changes to the fledgling nation—a market revolution, revolutionary political changes, the Second Great Awakening, reform movements, the expansion of the national boundaries, and a war with Mexico. Despite the impulse to find a common ground of identity and culture, the United States was a complex society that seemed to be pulling apart as much as it held together.

**3 semester hours**

### **315 Modern United States, 1880-1845**

The history of the United States from the onset of the Gilded Age to the end of World War II, a critical period for the development of the nation. The general topics for the course include industrialization and urbanization, western settlement and wars with American Indians, immigration, the

Progressive Era, U.S. imperialism, the Great Migration, American efforts during World War I, the “roaring twenties”, the onset and course of the Great Depression, and the U.S. fighting and home front during World War II.

**3 semester hours**

### **325 History of Modern Middle East**

History of the Modern Middle East from 1500 to the Present. This is an introductory survey course on the history and development of the Middle East; it presupposes only basic knowledge of the region. As we trace the development of governments and history unfolds before us, we will pay special attention to the diversity of culture, politics, and religion that exist within the modern Middle East. This course seeks to provide students with the background to not only understand current events such as the emergence of Al Qaeda, the Israel/Palestine Conflict, and the Arab Spring but to understand why these events are taking place.

**3 semester hours**

### **350 World History, 500-1450**

The history of Eurasian civilizations from the collapse of Classical cultures to the fall of the Byzantine Empire in 1453. The beginnings of European culture, the rise and spread of Islam and the Arabic Empire and the Crusades. Trade in the Indian Ocean. The revival of Confucianism in the Tang Dynasty. The Mongol conquest of Asia.

**3 semester hours**

### **355 Early Modern World History 1400-1750**

The history of world civilizations from European Explorations of Africa, Asia and the Americas and up to the Scientific Revolution and Enlightenment. This study of the Early Modern World examines the world's global connections—for the first time in history an interconnected world became a reality. Topics include: the Columbian Exchange, the rise of global capitalism, state making and religion in the Muslim World and Europe, and the Ming and Qing dynasties in China. This vibrant period featured: a polycentric world whereby national power and influence was diffused around the world; an era of new empires and military powers; an emerging world economy of expanding trade networks; the global exchanges of cultures, religions, and ideas.

**3 semester hours**

### **360 The Christian Church Through the Ages**

History and development of the Christian church from the apostolic period to the modern ecumenical movement.

**3 semester hours**

### **365 Modern World History, 1750-1914**

World history from the onset of the Atlantic Revolutions to the beginnings of the Twentieth Century. Includes the American, French and Latin American revolutions and the Concert of Europe. The industrial revolution in the West and the rise of the United States. Imperialism and westernization in South Asia, Southeast Asia, East Asia and Africa. The Chinese Republic and the Meiji Restoration in Japan.

**3 semester hours**

### **375 Modern Latin American History**

A survey of the history of modern Latin America, focusing primarily on the period of independence to the present. The course focuses on the social,

political, economic, and intellectual life of Latin America in the nineteenth and twentieth centuries: the social structure of the nations (and the increasing gap between haves and have-nots); nineteenth-century liberalism (and its contradictions); relations with Europe and the United States; caudillo rule; military dictatorship and repression; Latin America in the global economy; political revolutions and political conflict. A particular focus of the course: the historical roots of economic development and social inequality in the region and the promises and inadequacies of nation-building in Latin America.

**3 semester hours**

### **390 Special Topics in History**

Selected subjects, varying from offering to offering, present the opportunity for a more detailed examination of a topic than is possible in a general course.

**3 semester hours**

### **400 The United States in the 20th Century**

Begins with expansionists of 1898 and emphasizes industrialization, progressivism, problems of war and peace, prosperity and depression, and cultural developments.

**3 semester hours**

### **510 Seminar in History**

A seminar dealing with a single current historiographical problem or issue, with a topic varying from offering to offering. Emphasis on reading and analyzing scholarly monographs, articles and primary documents. Students will also prepare an original research report.

**3 semester hours**

## **Honors Program (HONR)**

### **200 Honors Seminar**

An interdisciplinary seminar open to freshmen and sophomore participants in the University's honors program. Focus on a different theme for each successive offering and exploration of that theme from the perspective of the several academic disciplines. Intensive reading and discussion with presentations by guest lecturers. Methods of scholarly research and writing. May be repeated for credit. Open to all students with at least a 3.5 GPA (excluding remedial courses).

**3 semester hours**

### **400 Advanced Honors Seminar**

Advanced interdisciplinary seminar in which students assume major burden for scholarly presentations on a chosen theme that will vary from year to year. Open to junior and senior participants in the University's honors program. May be repeated for credit. Open to all students with at least a 3.5 GPA (excluding remedial courses).

**3 semester hours**

## **Humanities (HUMN)**

### **190 Introduction to American Language, Culture, and Behavior**

Exploration of the meanings and dynamics that define mainstream American language, culture, and behavior. Includes pronunciation practice exercises, listening activities, oral presentations, and films that discuss American culture and behavior. Analysis of American cultural phenomena such as the family,

the student-teacher relationship, and the nurse/doctor-patient relationship to help non-native speakers understand the dynamics of American culture. Designed to help students adapt to the American way of life so that they can reside and work (either temporarily or permanently) in the United States. Reserved for students who speak English as a second language. Students in the International Nursing Program only.

**3 semester hours**

### **390 Special Topics in the Humanities**

Selected and varying subjects presenting opportunity for detailed examination of a topic.

**2-4 semester hours**

### **550 Seminar in the Humanities**

Focus on a topic or issue in the humanities, culminating in a major research paper and presentation by each student. Prerequisites: Grade of C or above in two writing courses; junior or senior level. For Humanities majors and secondary education majors with a teaching field in the Humanities only

**3 semester hours**

## **International Studies (INST)**

### **100 Introduction to the Semester in Europe**

The course will introduce the students to the basic essentials necessary for success in the Semester in Europe program. These essentials will include an introduction to the Elementary German Conversation course, as well as European culture, monetary systems, weights, measurements, and temperature conversions. Attention will be given to European customs, traditions, manners, transportation, currency, and communication systems. The students also will be taught how to read maps and plan weekend and week-long trips.

**1 semester hour**

### **160 Contemporary European Culture**

Study of modern Europe encompassing a broad, general survey of those ideas, movements and historical incidents that have had the most profound influence on contemporary European society. Lectures, individual research and field trips. Taught on location (currently Salzburg, Austria) by faculty member accompanying International Studies group.

**4 semester hours**

### **290 Seminar in European Geography, History and Culture**

Study of geography, history, conversational German in conjunction with spring break trip to Salzburg, Austria.

**3 semester hours**

### **380 Seminar in European Studies**

Study of a significant contemporary issue facing both the European and international community. Taught on location by faculty member accompanying Semester in Europe group.

**4 semester hours**

### **390 Special Topics**

**3-4 semester hours**

## Journalism (JOUR)

### 160 Journalism Practicum

Supervised experience in the design, writing, editing, and/or production of news, features, and other copy for *The Battler Columns* or, with permission, other publications of the University.

**1 semester hour**

### 165 Advanced Journalism Practicum

Supervised experience in the design, writing, editing, and/or production of news, features, and other copy for *The Battler Columns* or, with permission, other publications of the University. May be repeated for credit. Prerequisite: JOUR 160 or JOUR 200.

**1 semester hour**

### 200 Introduction to Journalism

History, theory, and practice of news gathering and news writing, including applied work for University publications and broadcast media. Occasional guest lectures by area writers and broadcasters. Prerequisite: Grade of C or above in English 190.

**3 semester hours**

### 210 News Editing and Production

Management and editing of news flow, ranging from editorial conceptualization and news judgment to copy editing, headline writing, and basic page design. Prerequisite: Grade of C or above in JOUR 200 or WPI.

**3 semester hours**

### 450 Senior Portfolio in Journalism and Professional Writing

The student will gather materials for a professional journalistic writing portfolio. The portfolio should include all relevant writing work created over the four years of University, especially in courses such as Journalism, Communications and English. This important document will be submitted to internship supervisors, potential employers and the like, particularly in, but not limited to, the student's senior year and/or upon graduation. Students in the course will also be responsible for scheduling meetings and working on the portfolio inside and outside of class meetings, as well as doing a portfolio presentation toward the end of the semester in which the course is taken.

**1 semester hour**

### 520 Internship in New Editing and Production

A student in Journalism 520 experiences an editorial supervisory role for the school newspaper, *The Battler Columns*. The role played by the student could be as editor-in-chief, campus editor, city editor or sports editor. No matter the role, the student is responsible for supervising, in some capacity, the editing of, production of, the revenue/business of and the distribution of the publication.

**3 semester hours**

## Legal Studies (LEGL)

### 200 Introduction to Law and Society

Examination of the central features of law as a social institution and as a feature of popular culture. We will explore the nature of law as a set of social systems, central actors in the systems, legal reasoning, and the relationship of the legal form and reasoning to social change.

**3 semester hours**



**280 American Legal History**

A survey of America's legal history. Primarily considers those legal cases and decisions that had the greatest influence on American life - those cases that best reveal the interconnection between law and society. Each case and decision will be placed within its social context and the social impact of the decision will also be discussed.

**3 semester hours****300 Civil Rights and Liberties**

Examination of the significant civil rights laws and case decisions in the United States and the impact of those decisions on society in general and the legal system. Prerequisite: Pols 310.

**3 semester hours****350 Legal Research and Writing**

This course is designed to provide students with basic legal research techniques, legal analysis, legal citation rules, and legal writing skills using primary and secondary legal sources in traditional and on-line formats.

**3 semester hours****390 Special Topics in Legal Studies**

Selected subjects, varying from offering to offering, present the opportunity for a more detailed examination of a topic than is possible in a general course. May be repeated for credit.

**3 semester hours****500 Field Practicum**

This course provides the opportunity for students to gain experience in the legal field. Typically this requires a student to work 8 hours per week during the semester.

**3 semester hours****Mathematics (MATH)****011 Basic Algebra**

A course intended for those who lack sufficient algebraic skills to succeed in college mathematics or science courses. Topics include variables, polynomials, expressions, graphs, linear equations, quadratic equations, factoring, proportions and systems of equations. Placement: ACT Math Score below 21 or SAT Math below 500. May take the AB Math Placement test out of course. Grade of C or better to progress.

*Note: This course does not count toward graduation credit requirement.*

**3 semester hours****111 Math for Health Careers**

This course is designed to present the mathematics essentials for computations in health related practice. Topics include exponents, scientific notation, percents, ratios, proportions, metric system of units, unit conversions within the metric system, and between the household, English, and metric systems, different dosage computations. Prerequisite: Grade of C or better in Mathematics 011 or placement.

**3 semester hours****113 College Algebra**

A course intended to provide the algebraic concepts and techniques needed for the study of advanced science and mathematics courses. Topics include real numbers, polynomials, linear equations, quadratic equations, inequalities and exponents. Prerequisite: Grade of C or better in Mathematics 011 or placement.

**3 semester hours**



**120 Liberal Arts Math**

A college level mathematics course that covers a broad spectrum of math topics with emphasis on how math is used in solving real-world problems. Topics to be covered include: number systems, binary computer operations, mathematical modeling, polynomials, factoring, equations, problem solving, Euclidean and non- Euclidean geometries, exponents, radicals, logarithms, permutations, combinations, statistics, graphs, functions, and linear equations. Students will gain a working knowledge of these topics. Three hours lecture. Prerequisite: Grade of C or better in Mathematics 011 or placement.

**3 semester hours****141 Trigonometry**

This course will be an in depth study of trigonometric functions and applications thereof. Topics to be covered include degree and radian measure, right and oblique triangles, vectors and applications, graphs of trig functions, inverse trig functions, identities, and conditional trig equations. Prerequisite: Grade of C or better in MATH-113 or placement.

**3 semester hours****151 Pre-Calculus**

This course will be an in depth study of functions and applications thereof. Topics to be covered include rational, polynomial, logarithmic, and exponential functions, logarithmic equations, and finite and infinite sequences and series. Prerequisite: Grade of C or better in MATH-113 or placement.

**3 semester hours****166 Discrete Mathematics I**

This course includes sets, relations, functions, number theory, propositional logic, truth tables, Boolean algebra permutations and combinations. Prerequisite: Grade of C or better in MATH-151 or placement.

**3 semester hours****167 Discrete Mathematics II**

A continuation of Math 166 includes mathematical induction, generating functions, trees and graphs, vectors and matrices, recursion, set theory, finite state machines and algebraic systems. Prerequisite: Grade of C or better in MATH-166.

**3 semester hours****221 Mathematics for Teachers I**

A course designed to increase the level of mathematical competence in prospective elementary and junior high school teachers. Topics include the extension of number systems to the real numbers, properties of ratios, number theory, decimals and percent. Prerequisite: Grade of C or better in Mathematics 011 or placement.

**3 semester hours****222 Mathematics for Teachers II**

Further development of concepts needed by elementary and junior high school teachers. Topics include probability, statistics, relations and functions, and geometric principles. Prerequisite: Grade of C or better in Mathematics 113 and 221.

**3 semester hours**

**231 Calculus I**

The purpose of this course is to determine the rate at which a function changes and to find the area under a curve. Topics include limits, continuity, differentiation integration, applications, and trigonometric functions.

Prerequisite: Grade of C or better in Mathematics 141 and 151.

**4 semester hours****232 Calculus II**

The results of Calculus I are expanded and applied to other functions and applications. Topics include exponential and logarithmic functions, methods of integration, infinite series, plane vectors, series and polar coordinates.

Prerequisite: Grade C or better in Mathematics 231 or WPI.

**4 semester hours****251 Statistics**

This course introduces the student to the elements of probability and the techniques and applications of statistics. Topics considered include frequency distribution, graphs, data description, counting techniques, probability distributions, sampling, simulation, normal distribution, correlation, regression, hypothesis testing, z- test, t-test and chi-square. Prerequisite: Grade of C or better in Mathematics 113 or WPI.

**3 semester hours****261 Statistics for Biologists**

This course is designed to instruct students on the limitations and proper use of parametric and non-parametric statistical techniques used to answer ecological and environmental questions. Students will learn about study design, descriptive statistics, statistical power, hypothesis testing, Analysis of Variance (ANOVA), correlation, linear regression and their non-parametric counterparts. Additional statistical methods include Chi-square tests, logistic regression and circular statistics, plus an introduction to advanced multivariate techniques. Prerequisite: Grade of C or better in Mathematics 113 or equivalent.

**3 semester hours****312 Algebraic Structures I**

The course is designed to provide insight into the nature of basic algebraic structures, such as groups, rings and fields. Historical perspectives, applications and current research will be considered. The course is focusing on development of skills in applying the mathematical proof technique.

Prerequisites: Grade of C or better in Mathematics 167.

**3 semester hours****313 Algebraic Structures II**

A continuation of Math 312 includes ideals and factor rings, extension fields, and advanced group theory. Prerequisite: Grade of C or better in MATH-312 or placement.

**3 semester hours****315 Linear Algebra**

Designed to introduce the advanced mathematics student to the algebra of linear operations. Topics include matrices, vector spaces, linear transformations and systems of equations.

Prerequisite: Grade of C or better in Mathematics 167.

**3 semester hours**

**333 Advanced Calculus**

This course continues the development and application of concepts of calculus and analysis. The calculus concepts and techniques are extended to higher dimensions. Topics include vector-valued functions in plane- and space coordinate systems, functions of two- and three variables, partial differentiation, double and triple integrals in Cartesian, Cylindrical and Spherical coordinates, vector fields, line- and surface integral, Green's Theorem and Stokes' Theorem. Prerequisite: Grade of C or better in Mathematics 232.

**4 semester hours****371 Principles of Geometry**

The course is designed to present the fundamental concepts of geometry. The course will emphasize geometry as an axiomatic system. Axioms of Euclidean and Non-Euclidian geometry will be considered. Topics to be considered include: the axiomatic method, axiomatic systems, Euclid's postulates, connection, parallelism, angles, polygons, measurements, hyperbolic postulates, elliptic postulates and models. Prerequisites: Grade of C or better in Mathematics 141 and 167.

**3 semester hours****390 Special Topics in Mathematics**

A course to provide either a more in-depth coverage of a currently offered subject or to offer coverage in an area not currently offered. Content and semester hour credit will vary from year to year. Primarily designed for mathematics majors, but open to any student with an interest and the indicated prerequisites.

**2-3 semester hours****441 Differential Equations**

The results of calculus are applied to problems of a function that has been differentiated. Topics include ordinary differential equations, partial differential equations, power series methods and Laplace transformation. Prerequisite: Grade of C or better in Mathematics 232.

**3 semester hours****450 Mathematics/Computer Science Capstone**

This course has been designed to cover some topics that combine and extend your knowledge gained from studying the undergraduate mathematics courses. The topics include Polyhedra, Cauchy-Schwartz inequalities, Besicovitch-Kakeya conjecture, some counting rules and probability, RSA and CORDIC algorithms. The students are required to write and present a report on a historical topic selected as the semester progresses, and present one article of a current topic in mathematics education, mathematics, statistics or computer science.

**3 semester hours****500 Internship in Mathematics**

This special course is only available as opportunities are presented for work/study in an off campus environment. Prerequisites dependent on the nature of the internship.

**1-6 semester hours**

## Music Education, Music Performance, and Musical Arts Music (MUSC)

The following courses form the core of the Music curriculum common to all degree programs in Music. They primarily emphasize the study of Music as an academic discipline. Course listings use the **MUSC** prefix.

### **011 Music Remediation**

A special, individualized remediation course required of those Music Education, Music Performance, or Musical Arts majors who earned a grade of D or F in their first attempt at MUSC 111, Musicianship I and who wish to continue as Music majors. In general, this course parallels the content of MUSC 111. The course is tailored to the individual needs of the student and will emphasize in particular those content weaknesses which contributed to the student earning the original grade of D or F in MUSC 111. In order to pass the course, the student must pass a comprehensive final examination comparable to that administered for MUSC 111. Students enrolled must pay the current one credit Applied Music lab fee to take this course.

**1 semester hour**

### **013 Theory Rudiments Remediation**

A special, individualized remediation course required of those Music Education, Music Performance, or Musical Arts majors who earned a grade of D or F in their first attempt at MUSC 113, Theory Rudiments and who wish to continue as Music majors. In general, this course parallels the content of MUSC 113. The course is tailored to the individual needs of the student and will emphasize in particular those content weaknesses which contributed to the student earning the original grade of D or F in MUSC 113. In order to pass the course, the student must pass a comprehensive final examination comparable to that administered for MUSC 113. Students enrolled must pay the current one-credit Applied Music lab fee to take this course.

**1 semester hour**

### **101 Musicianship I**

This is the first of four courses which develop functional musical literacy and everyday music making, focusing primarily on turning the auditory experience of music into notation, and notation into performed music. Specific content topics include singing and notating intervals, singing simple diatonic melodies using solfeggio syllables and notating such melodies, performing notated rhythms in a variety of common meters and notating such rhythms, and describing and notating basic cadential formulae and other standard harmonic progressions which use diatonic triads.

**1 semester hour**

### **112 Foundations for the Study of Music: Listening for Understanding**

This course serves as a foundation for the study of Music in a college program. With an emphasis on Music listening, the course will provide familiarity with basic and general concepts of Music and the technical vocabulary of Music that describes them. The student will then be given a means of discussing (in oral and written descriptions) the Musical content of pieces.

Acquired knowledge of concepts and familiarity with appropriate terminology will make possible the study of Musical style as it is manifested in various traditions, regions, and historical periods (Renaissance, Baroque, Classical, Romantic, and the Modern Period) as well as the techniques, forms, and composers associated with these eras.

**1 semester hour**

**135 Theory I: Theory Rudiments and Introduction to Diatonic Harmony in Tonal Music**

This course meets three days per week with one weekly session devoted to drill and testing. Students showing a sufficient level of mastery on particular content topic(s) are not required to attend sessions relating to that/those topic(s). Students will be strongly encouraged to purchase and work with Music fundamentals software (e.g., MacGAMUT's MFun: Music Fundamentals) **prior** to matriculating.

**2 semester hour****151 Musicianship II**

This course continues the development of Musicianship skills. Sight-singing, melodic, harmonic and rhythmic dictation, and other related activities involve material of moderately easy tonal and rhythmic content. Prerequisite: MUSC 111 or WPI.

**2 semester hours****185 Jazz, World and Electronic Music**

This course contains three parts that are essential in the Music curriculum: American Jazz, World Music, and Electronic equipment used in Music programs. The first portion of the course is designed to give Music students a general overview about the American art form of jazz including style periods, composers and performers, as well as the performance idiom. The World Music portion is a general overview of Music, instruments, and performance practices from non-Western cultures. The final portion is a general overview of Music hardware and software necessary in the field of Music. Students will learn basic skills in sound reinforcement and notation software.

**1 semester hour****190 Introduction to Music**

For non-Music majors, this course introduces students to masterpieces of Western art Music and emphasizes the identification of those similarities which exist among forms and styles.

**3 semester hours****191 Applied Conducting Lessons**

In this course, students begin the process of learning to provide effective podium leadership for small and large ensembles. This introductory course focuses on the conducting gesture motivated by Music and on score preparation (including proper use of terminology, transpositions, and theoretical analysis). Repertoire for the course is balanced between instrumental and choral literature. Prerequisite: MUSC 151 concurrent or WPI.

**2 semester hours.****201 Musicianship III**

This course continues the development of Musicianship skills by focusing upon materials of moderately difficult tonal and rhythmic content. Prerequisite: MUSC 151.

**2 semester hours****212 Music Listening for Synthesis and Critique I**

This course serves as a continuation of the topics addressed in MUSC 112: Foundations for the Study of Music: Listening, which addressed the components of Music, appropriate terminology, and therefore, the study of

Musical style as it is manifested in various traditions, regions, and historical periods (Renaissance, Baroque, Classical, Romantic, and the Modern Period). Techniques, forms, and composers associated with these eras, introduced in that course, will be visited in greater depth in this course. The course will provide a more effective means of (and more experience in) scholarly discussion of the Musical content of pieces. Significant oral and written descriptions of Musical characteristics and style will be undertaken.

**2 semester hours**

### **235 Theory II: Diatonic Harmony and Introduction to Chromatic Harmony in Tonal Music**

In this course students write and analyze more complete harmonic progressions in three- and four-part and other textures using a harmonic vocabulary which conforms to the stylistic conventions of tonal voice-leading. Through discussion of musical examples and principles, the course reinforces basic understandings of the "common-practice" period as combination of successive historical periods united by commonalities of compositional technique. Diatonic triads and seventh chords and modulations to closely related keys are covered. Meets three days per week with one weekly session devoted to drill and testing.

**2 semester hours**

### **251 Musicianship IV**

This course completes the sequence of Musicianship courses. It involves materials of sophisticated and difficult Musical content. Prerequisite: MUSC 201.

**2 semester hours**

### **285 Music History I**

As the first semester course in a three-semester survey of Music from the western art tradition, this course begins the study of Music history, proceeding from Music of the ancient period through the Renaissance era (ca. 500-1600).

**1 semester hours**

### **312 Music Listening for Synthesis and Critique II**

As a continuation of the topics addressed in MUSC 112: Foundations for the Study of Music: Listening, and MUSC 212: Music Listening for Synthesis and Critique I, this course will provide continued experience in the scholarly discussion of the Musical content of pieces of the standard repertoire, and will involve significant oral and written discussions and descriptions of Music heard and performed.

**3 semester hours**

### **330 Arranging and Scoring**

This course develops a foundation of scoring techniques through projects that provide practical experience in arranging and scoring for public school and similar performance groups. Prerequisites: MUSC 251 and MUSC 255.

**2 semester hours**

### **335 Theory III: Chromatic Harmony and Basic Formal Structures in Tonal Music**

In this course students write and analyze passages that use chromatic harmony, including secondary dominants, borrowed chords, the Neapolitan triads, augmented sixth chords, and linear-resolution diminished seventh chords. Students also analyze short but complete works that use the

harmonic vocabulary described above. Additionally, students analyze excerpts and complete pieces to determine the basic formal principles which organize them, from motives, phrases, and periods, through larger structures such as binary and ternary forms, and fugue. These concepts regarding musical form are presented sequentially throughout the entire semester and integrated with other content.

**2 semester hours**

### **355 Conducting I**

In this course, students begin the process of learning to provide effective podium leadership for small and large ensembles. This introductory course focuses on the conducting gestures motivated by Music and on score preparation (including proper use of terminology, transpositions, and theoretical analysis). Repertoire for the course is balanced between instrumental and choral literature. Prerequisite: MUSC 151 concurrent or WPI.

**2 semester hours**

### **365 Conducting II**

This course is a continuation of MUSC 355. The course is divided into seven-week sections: choral and instrumental conducting. In this course, students continue to develop and demonstrate rehearsal techniques appropriate for leading choral and instrumental ensembles. The course also involves some survey of literature for these ensembles. Prerequisite: MUSC 355.

**2 semester hours**

### **385 Music History II**

As the second semester course in a three-semester survey of Music from the western art tradition, this course continues the study of Music history, proceeding from Music of the Baroque through the Classical period.

**2 semester hours**

### **395 Issues in the Study and Performance of Music**

This course is designed in part to provide opportunities for integrating the scholarly study of Music (as represented, for example, by courses in Music theory and Music history), with the practical applications of Music making (performance and listening). It also provides opportunities for integrating the study of Music with other disciplines (Liberal Studies Goal III-A). Course work will involve major research and writing component(s) (Goals III-A and III-B). Prerequisites: MUSC 200 and MUSC 410, or WPI.

**2 semester hours**

### **435 Theory IV: Advanced Harmony in Tonal and Post-Tonal Music and Large-scale Formal Structures**

In this course students write and analyze passages which modulate to harmonically distant keys, often involving enharmonic spellings. Also discussed are the harmonic vocabulary and procedures of Impressionistic music and Post-Romantic music. Students learn the basic techniques for the analysis of post-tonal works, including the analytic techniques pertaining to pitchclass. Larger forms are examined, including compound forms, rondos, single-movement sonatas (including as adapted for concertos), sonata-rondos, ostinato and variation forms, and fugues and similar forms. This content is presented sequentially throughout the entire semester and integrated with other content.

**3 semester hours**



## 485 Music History III

As the third semester course in a three-semester survey of Music from the western art tradition, this course continues the study of Music history, proceeding from Music of the Romantic through Modern Music periods.

**2 semester hours**

**SPECIAL TOPICS IN MUSIC**, (identified by the course number MUSC 195 for freshman and sophomore levels or MUSC 390 for junior and senior levels) may become available in certain semesters.

**INDIVIDUAL STUDIES**, which may be either Guided (numbered MUSC 560 or MUSC 570) or Independent (numbered MUSC 600 or MUSC 610) may be scheduled with special permission.

## Music Education (MUED)

The following courses develop the student's ability to be an effective Music teacher in public school and similar situations. Course listings use the MUED prefix.

### 130 Class Voice.

For Music Education non-voice majors, this course is an introduction to singing and emphasizes the fundamentals of posture, breath control, tone production, resonance, articulation, and other concepts and skills critical to the development of vocal technique. NOTE: Music Education voice majors register for MUED 131, a separate course (see just below).

**1 semester hour**

### 132 Diction I: IPA & Music Terminology

This is a course designed to teach students to read phonetic symbols (International Phonetic Alphabet) and then apply this skill to correctly pronounce music terminology, composers, titles, etc. In addition to pronunciation skills, students will learn the meaning and musical intent of standard music terminology. Students will demonstrate their improved pronunciation skills through class demonstration and speaking tests. This course is required for all music majors and is double-listed: Music Education majors will register for MUED 132, Musical Arts and Music Performance majors will register for MUAP 132. No prerequisites.

**1 semester hour**

### 133 Diction II: Singing in Foreign Languages

This is a course designed to teach the basics of diction in the most common foreign singing languages in Western classical music (Latin, Italian, German, French, and Spanish). Students will build on their knowledge of correct International Phonetic Alphabet symbols for English learned in MUED/ MUAP 132 (Diction I: IPA and Music Terminology). They will use IPA to transcribe words in Latin, Italian, German, French, and Spanish using correct pronunciation rules for each language, and will demonstrate through class demonstration and performance the use of IPA to improve their singing. This course is required for Music Education voice majors (MUED 133) and Musical Arts and Music Performance voice majors (MUAP 133). Prerequisite: MUED/MUAP 132 or WPI.

**1 semester hours**

### 154 Piano Techniques and Pedagogy

**1 semester hour**



**200 Music for Classroom Teachers**

This course is intended for non-Music Education students who will be classroom teachers in elementary schools or who will teach children in similar settings. It focuses upon methods and materials appropriate to such instruction. It includes review of Music rudiments and skills. Public school observation and/or appropriate field experiences may be included. Prerequisite: MUSC 100.

**3 semester hours**

The following five courses prepare students to teach voice, brass, woodwind and percussion instruments in public school Music programs or similar settings. All provide lectures, class instruction, and practice in the playing and teaching of the standard school band instruments and voice.

**240 Vocal Techniques and Pedagogy**

Prerequisite: MUAP/MUED 130 or WPI.

**1 semester hour****250 String Techniques and Pedagogy****1 semester hour****270 Percussion Techniques and Pedagogy****1 semester hour****271 Brass Techniques and Pedagogy****1 semester hour****272 Woodwind Techniques and Pedagogy****1 semester hour****310 General Music Methods**

This course examines teaching strategies in the content area of Music: methods, materials, and procedures appropriate to the teaching of general Music for all grade levels. Concurrent with MUED-311. Prerequisites: Education 260, full admission to teacher education program or WPI.

**3 semester hour****311 Laboratory for General Music Methods**

This course provides supervised public school and other laboratory experience appropriate to general Music methods. Prerequisite: MUED 310 concurrent.

**1 semester hour****321 Laboratory for Choral Music**

This course provides supervised public school and other laboratory experience appropriate to choral Music methods. Prerequisite: MUED 320 concurrent.

**1 semester hour****325 Choral/Instrumental Music Methods**

This course examines methods, materials, and procedures appropriate to the teaching of Choral and Instrumental Music at all grade levels, but especially secondary level ensembles. Prerequisites: EDUC 260, MUSC 335, and MUSC 251, or concurrently and full admission into the Teacher Education Program, or WPI. Concurrent with MUED 321 and MUSC 331.

**3 semester hours****331 Laboratory for Instrumental Music Method**

This course provides supervised public school and other laboratory

experience appropriate to instrumental Music methods. Major emphasis on Marching Band techniques. Prerequisite: MUED 330 concurrent.

**1 semester hour**

The culmination of study in Music Education is the student teaching experience. This experience is provided through EDUC 500 (Student Teaching in the Public Schools - 12 semester hours) and EDUC 550 (Seminar in the Philosophy of Teaching - 1 semester hour). Although these student teaching courses are listed as Education courses rather than Music Education courses, instruction in EDUC 500 and EDUC 550 and (thus) supervision of Music student teachers is provided by the Music faculty in **specific sections of the courses; students must enroll in these sections.**

## Applied Music (MUAP)

The following courses focus primarily on performance in solo and in ensemble settings, the practical aspects of Music-making. Course listings use the **MUAP** prefix.

### 050 Music Convocation

For Music majors **ONLY**, this course provides a structure by which Music students' observation of and participation in various aspects of Musical performance and related activities may be monitored. Students meet the requirements of this course by attending or participating in specified workshops, recitals, concerts and other Musical performances. The particular requirements for any given semester are determined by the Music faculty. Grading is Satisfactory or Unsatisfactory.

**0 semester hours**

### 130 Class Voice

For **non-Music Education non-voice** majors, this course is an introduction to singing and emphasizes the fundamentals of posture, breath control, tone production, resonance, articulation, and other concepts and skills critical to the development of vocal technique. NOTE: Music Education **voice** majors register for MUED 131, a separate course .

### 132 Diction I: IPA & Music Terminology

This is a course designed to teach students to read phonetic symbols (International Phonetic Alphabet) and then apply this skill to correctly pronounce music terminology, composers, titles, etc. In addition to pronunciation skills, students will learn the meaning and musical intent of standard music terminology. Students will demonstrate their improved pronunciation skills through class demonstration and speaking tests. This course is required for all music majors and is double-listed: Music Education majors will register for MUED 132, Musical Arts and Music Performance majors will register for MUAP 132. No prerequisites.

**1 semester hour**

### 133 Diction II: Singing in Foreign Languages

This is a course designed to teach the basics of diction in the most common foreign singing languages in Western classical music (Latin, Italian, German, French, and Spanish). Students will build on their knowledge of correct International Phonetic Alphabet symbols for English learned in MUED/ MUAP 132 (Diction I: IPA and Music Terminology). They will use IPA to transcribe words in Latin, Italian, German, French, and Spanish using correct pronunciation rules for each language, and will demonstrate through

class demonstration and performance the use of IPA to improve their singing. This course is required for Music Education voice majors (MUED 133) and Musical Arts and Music Performance voice majors (MUAP 133). Prerequisite: MUED/MUAP 132 or WPI.

**1 semester hour**

Advanced students may bypass some courses within the sequence or may bypass the entire sequence by taking the Piano Proficiency Test (contact School of Music for more information). Prerequisite for all courses is WPI.

### **155 Beginning Piano**

This is the first sequence of courses which provide students with class instruction in the basics of piano playing. It is an application class which focuses upon the fundamentals of piano technique. This course will aid students in passing the required Piano Proficiency Test.

**1 semester hour**

### **255 Intermediate Piano**

This is the second sequence of courses which provide students with class instruction in the basics of piano playing. It is an application class which focuses upon the fundamentals of piano technique. This course will aid students in passing the required Piano Proficiency Test.

**1 semester hour**

The following courses provide studio instruction (private lessons) on the instruments listed below. Lessons are available for 1 semester hour (25-minute lesson/week), 2 semester hours (50-minute lesson/week), or (in special circumstances) 3 semester hours (75-minute lesson/week). At the option of the instructor, equivalent amounts of time and personal attention may be given via studio class or similar instruction. Instruction is offered in keeping with the needs, ability, and achievement of the student. Non-Music majors should ordinarily expect to register for 1-semester hour lessons; Music majors should ordinarily expect to register for 2-semester hour lessons. Three-credit lessons are only available with special permission from the School of Music chairperson. Students are notified about the specifics of their lessons (teacher, lesson time/day, materials needed, etc.) at the beginning of the semester. Private lessons may be repeated for credit. Private lessons ARE NOT AVAILABLE FOR AUDIT. Prerequisite: WPI.

#### **181 Brass.**

(Trumpet, French Horn, Trombone, Euphonium, Tuba)

**1-3 semester hours**

#### **182 Organ.**

**1-3 semester hours**

#### **183 Percussion.**

**1-3 semester hours**

#### **184 Piano.**

**1-3 semester hours**

#### **185 Voice.**

**1-3 semester hours**

#### **186 Woodwinds.**

(Flute, Oboe, Clarinet, Saxophone, Bassoon)

**1-3 semester hours**

**187 Guitar.**

(NOTE: emphasis is on classical guitar style)

**1-3 semester hours**

**188 Strings .**

(Violin, Viola, Cello, Bass)

NOTE: MUAP 188 is offered only on an "as needed" basis. Students should contact the School of Music about course availability before registering.

**1-3 semester hours**

The School of Music offers a variety of Musical ensembles and encourages all interested students and community persons to participate (certain restrictions apply; see below). To varying degrees, Musical ensembles require performances scheduled beyond usual rehearsal times (information specific to each ensemble is available from the School of Music and varies from semester to semester). Participants are expected to practice their individual parts outside of group rehearsals. Prerequisite for all ensembles is WPI. All ensembles may be repeated for credit.

**221 Brass Choir**

Participation in Brass Choir involves study, rehearsal and performances of selected literature written or transcribed for brass ensembles. Smaller groups (brass quintet, trumpet ensembles, trombone quartets, etc.) are selected from Brass Choir membership. Two to three hours of rehearsal per week, outside preparation of individual parts, and performances as assigned are required. Audition required at beginning of semester.

**1 semester hour**

**222 Jazz Ensemble (*Inactive*)**

Participation in Jazz Ensemble involves study, rehearsal, and performance of selected literature of all styles written for jazz ensembles. Jazz combos may be selected from the Jazz Ensemble membership, and all members are expected to attempt improvisation (instruction is provided). Two to three hours of rehearsal per week, outside preparation of individual parts, and performances as assigned are required. Audition required at beginning of semester.

**1 semester hour**

**223 Woodwind Chamber Ensemble**

Participation in Woodwind Chamber Ensemble involves study, rehearsal and performance of selected literature written or transcribed for woodwind ensembles. Two hours of rehearsal per week, outside preparation of individual parts, and performances as assigned are required. Audition required at beginning of semester.

**1 semester hour**

**225 Brass Quintet (*Inactive*)**

Enrollment in MUAP 225, Brass Quintet is open to students of trumpet, horn, trombone, and tuba, and subject to acceptance on the basis of audition. Repertoire each semester includes standard brass repertoire, both sacred and secular music of all historic periods, and including transcriptions and works written specifically for brass. The ensemble provides opportunity for the students to apply (and synthesize) musicianship skills, and pedagogical concepts and methods; and to observe context and purpose for developing their theoretical and historical knowledge base. The Brass Quintet is a more intimate and specialized performance activity than larger ensembles

and therefore has among its goals: collaborative performance skills, soloistic approach in ensemble playing while attending to balance, blend and intonation, and development of music leadership skills. Both on- and off-campus performances are scheduled each year.

**1 semester hour**

### **230 Symphonic Band**

Participation in Symphonic Band involves study, rehearsals, and performance of selected literature for winds and percussion. Three hours of rehearsal per week, outside preparation of individual parts, and performances as assigned are required. Audition required at beginning of semester.

**1 semester hour**

### **235 Marching Band**

"The Battler Band" fills a unique role on campus as the premier Athletic Band. Composed of students studying a wide variety of majors, the main focus is to represent the student body as a visible Music ensemble in sporting events, especially at home football games. Participation in "The Battler Band" involves study, rehearsals, and performances of selected literature for a Marching Band. Six hours of rehearsal per week, outside preparation of parts, and performances are assigned as required. Audition required at the beginning of the fall semester.

**1 semester hour**

### **236 Athletic Band**

This class is for students participating in the Athletic Band. The Athletic Band is an essential component of the AB Athletic Department spirit squad and will perform at men's/women's home basketball games, designated away games, and other athletic/spirit events.

**1 semester hour**

### **240 University Choir**

Participation in University Choir involves study, rehearsal, and performance of selected choral literature in a variety of styles. Three hours of rehearsal per week, outside preparation of individual parts, and performances as assigned are required. Audition required at beginning of semester.

**1 semester hour**

### **245 Chamber Choir (*Inactive*)**

Participation in Concert Choir involves study, rehearsal, and performance of selected choral literature specifically designed for smaller vocal ensembles. One hour of rehearsal per week, outside preparation of individual parts, and performances as assigned are required. Audition required at beginning of semester.

**1 semester hour**

### **250 "The West Virginians"**

Participation in "The West Virginians" is limited to sixteen student vocalists and instrumentalists selected by competitive auditions during the previous year. This ensemble performs a wide variety of sacred and secular choral literature in all styles from classical to popular. Public relations outreach (primarily to schools and churches) on behalf of the University and the State of West Virginia is central to the ensemble's mission. Six to eight hours of rehearsal per week, outside preparation of individual performance duties, and over 40 performances are required. A summer tour may be required.

**1 semester hour**

**251 Opera Workshop**

Participation in Opera Workshop involves study and rehearsal of selected opera literature and culminates in performance(s) of a program of opera scenes. Two to three hours of rehearsal per week, outside preparation of individual parts, and performances as assigned are required. Currently offered on alternating year (Even-Odd) basis.

**1 semester hour****253 Musical Theater Production**

Musical Theater Production is a course designed to provide instruction and practical experience for students participating in a Musical theater production. Areas of instruction include but are not limited to: character analysis/preparation, technical theater elements, and theater management. May be repeated for credit.

**1 semester hour****(255 Intermediate Piano *see above*)****256 Men's/Women's Quartet (*Inactive*)**

May be repeated for credit.

**1 semester hour****260 Chapel Choir (*Inactive*)**

Participation in Chapel Choir involves rehearsal and performance of anthems and other sacred Music at weekly chapel services. One rehearsal per week and chapel service, outside preparation of individual parts, and performances as assigned are required. All interested persons will be allowed in the Chapel Choir; auditions will be used for placement of persons in sections. (Grading "S" or "U")

**1 semester hour****265 Handbell Choir**

Handbell Choir provides a lab setting for the study, rehearsal, and performance of English handbell literature, and the practice of handbell performance techniques. It is open, by audition or permission of instructor, to all students who can read Music and wish to learn about English handbells and handchimes.

**1 semester hour****270 Music Ensembles Touring Laboratory (*Inactive*)**

This course is taken ONLY in conjunction with an ensemble's extended national or international tour. A laboratory fee is assessed for the course, but is determined by the particular cost of the tour (and thus varies from offering to offering). Prerequisite: WPI and appropriate ensemble concurrent.

**1 semester hour****390 Special Topics course for Music**

In-depth study into a particular Music subject that will aid the students towards graduate school applications and auditions.

**1 semester hour****490 Music Recital/Project**

This course will be required for all Music majors preparing a recital or exit project for a degree plan. This will be taken in the semester of the recital/project, and be administered by the Music Performance teacher. Music Education and Musical Arts majors take MUAP 490.01, Music Performance majors take MUAP 490.02 Junior Recital and MUAP 490.03 for the Senior Recital.

**0-1 semester hours**

## Natural Science (NSCI)

### **185 General Science, Science and Society**

Basic concepts of chemistry and physics including states of matter, atomic structure and bonding, chemical reactions, force, motion, energy, simple machines, magnetism and electricity. The interactions of technology with society are discussed with emphasis placed on environmental and human interactions. Three hours lecture and two hours laboratory experience per week.

**4 semester hours**

### **190 Rocks, Stars, and Weather**

Geology, astronomy, and meteorology are integrated sciences derived largely from our understanding of physics and chemistry. Therefore, this course will explore physical and chemical topics applied to the earth and space sciences to foster an understanding of the natural processes that govern the world around us, including the lithosphere, hydrosphere, and atmosphere of the Earth and also the cosmos. The class is structured as a series of short, five-week courses covering the basics of the three disciplines sequentially. The laboratory component will focus on hands-on and web-based exercises that reinforce the topics being discussed.

**4 semester hours**

### **210 Physical Geography**

In this course we will explore the physical and biological aspects of geography. All aspects of physical geography will be discussed including meteorology/climatology, biogeography, landform identification, soil science, fluvial geomorphology, glacial geomorphology, and plate tectonics. Using the scientific method, students will gain an appreciation for natural landscapes and the processes that shape them. This course will also have a weekly laboratory component.

**4 semester hours**

### **295 Current Advances in Science and Technology**

A discussion based course that examines the current topics in science. These topics range from the new innovations in computer technology to advances in medical science or space exploration. Lecture 2 hours. (Only open to students enrolled in the LPN-BSN program).

**2 semester hours**

### **361 Research Methods I**

This course is designed to teach students the basic skills involved with scientific research. Topics include literature search, reading and writing scientific papers, analysis and critique of scientific papers, data analysis, oral presentation, and resume writing. Only open to sophomore level science, technology or mathematics majors. Grade of C or better to progress.

**1 semester hour**

### **362 Research Methods II**

In this course the student must assemble a Senior Research Project Committee consisting of three faculty (Major research advisor and two additional advising faculty), and select a topic for their Senior Research Project. Research proposal writing and presentation will be discussed along with research funding. The student's project topic and research proposal/plan will be presented to and approved by the Committee as the final part of the course. Prerequisite is a Grade of C or better in NSCI-361. Grade of C or better to progress.

**1 semester hour**



### **390 Special Topics in Natural Science**

A course to offer courses not listed as scheduled offerings. The content, prerequisite, and semester hour credit is dependent on the topic offered.

**2-3 semester hours**

### **461 Senior Research Project**

In this course, students will perform their capstone research and present their results to their Senior Research Project Committee and the general public in a poster format at the Senior Research Symposium. Prerequisite is a C or better in NSCI 362. This course of Research Methods serves the Biology, Chemistry and Environmental Science programs. Grade of C or better required to complete the project.

**1 semester hour**

### **462 Scientific Communication**

Being able to effectively communicate scientific data to the public and other scientists is a valuable skillset for all scientists and researchers. A scientist must be able to communicate scientific knowledge, data, and finding to a variety of audiences via a variety of methods. This course offers an introduction to the art of scientific communication. Specifically, it focuses on fostering oral communication skills with an emphasis on communicating science. Also, it addresses the development and delivery of tables, figures, research posters. This is a 1 credit hour, seminar style course. Prerequisites: A grade of C or better in both NSCI-361 and NSCI-362.

**1 semester hour**

### **501 Research in Natural Sciences**

This course is designed for the student to explore, in depth, a meaningful research topic of interest in the Natural sciences. This research is conducted in collaboration with a faculty mentor. Course may be repeated for additional credit. Prerequisite: WPI.

**1-6 semester hours.**

**INDIVIDUAL STUDIES** which may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600 or 650) may be scheduled with special permission.

## **Nursing (NRSG)**

### **205 Transition to Professional Nursing (LPN)**

This course assists the LPN-BSN student through the initial transition from the role of licensed practical nurse to the role of baccalaureate prepared professional registered nurse. The philosophy, goals, program and student learning outcomes are presented within the context of the Nursing curriculum. The student integrates the concepts of professionalism, scientific methods of inquiry, and critical thinking as applied to baccalaureate professional nursing practice. Emphasis on the leveled student learning outcomes pervades this transitions course.

**4 semester hours**

### **210 Introduction to the Art of Healing (Traditional)**

This theory course introduces the student to the art of professional baccalaureate nursing practice through story telling. Using professional sources, students read and discuss true stories told by practicing professional nurses. Students then make linkages with Alderson Broadus University, Department of Nursing Leveled Student Learning Outcomes:



The NCLEX-RN Detailed Test Plan; the American Nurses Association Standards; the West Virginia Board of Nurse Examiners-RN Standards and other evidence-based guides for the education of professional baccalaureate nurses. This course is taught concurrently with the first didactic/clinical course of the program. 2 semester hours lecture, 0 semester hours clinical. Pre-Requisites: BIOL 271, CHEM 190. Co-Requisites: NRSG 220.

**2 semester hours**

### **220 Care of the Patient Across the Lifespan (Traditional)**

Focuses on foundational concepts necessary for safe, quality, patient-centered nursing care to diverse populations across the lifespan, while integrating legal and ethical responsibilities of the professional nurse. Introduces caring, critical thinking, the nursing process and communication techniques used when interacting with patients and members of the inter-professional team, and explains evidence-based nursing practice. Includes the acquisition of foundational psychomotor skills and the application of these skills in a laboratory and structured clinical setting. (3 semester hours lecture and 3 semester hours clinical). Pre-Requisites: BIOL 270 and 271; CHEM 190; MATH 111; HSCI 100. Co-Requisite: NRSG 210.

**6 semester hours**

### **250 Health Assessment (Traditional and LPN)**

This course focuses on the theoretical basis and psychomotor skills used when assessing the health status of individuals while emphasizing cultural diversity, age-related differences, and lifestyle factors. It introduces the role of the professional nurse in identifying and communicating normal findings and common deviations from normal. The skills lab experience provides the opportunity to apply cognitive and psychomotor skills incorporating caring while performing a systematic, patient-centered health assessment. (2 semester hours lecture and 1 semester hour clinical). Pre-Requisite: NRSG 220. Co-Requisites: NRSG 270 and 280.

**3 semester hours**

### **270 Pharmacology for Nursing (Traditional)**

Pharmacology for Nursing introduces general principles of pharmacology as they relate to safe, quality, patient-centered, evidence-based nursing care of individuals by focusing on developmentally and culturally appropriate interventions. Includes an introduction to pharmaco-therapeutics through an explanation of drug classifications with prototype drugs as well as on medication used to treat stable patients with common health alterations. Includes supplemental instruction on dosage calculations. (2.5 semester hours lecture and 0.5 hours clinical). Pre-Requisites: NRSG 210 and NRSG 220. Co-Requisites: NRSG 250 and NRSG 280.

**3 semester hours**

### **280 Care of the Adult I (Traditional)**

This course is the first of a series of courses that focuses on the acquisition and application of the theoretical basis for quality, safe, evidence-based, patient-centered nursing care for acutely ill but stable patients experiencing medical/surgical conditions. This course focuses on care that is developmentally and culturally appropriate for patients with non-complex medical/surgical conditions and incorporates critical thinking, quality improvement, collaboration, and information technology as they relate to the care of diverse patients in the medical/surgical setting. Integrates standards

of practice and legal and ethical responsibilities of the professional nurse when caring for patients undergoing medical/surgical interventions. Includes the acquisition of foundational psychomotor skills and the application of these skills in laboratory and structured clinical setting. (3 semester hours lecture and 2 semester hours clinical). Pre-Requisites: NRSNG 210 and NRSNG 220. Co-Requisites: NRSNG 250 and NRSNG 270.

**5 semester hours**

### **310 Nursing Research (Traditional)**

Building on the introductory concepts of evidence-based nursing practice from earlier courses, students examine all aspects of the research process as it relates to the baccalaureate nurse's role in research. Identification of practice issues, appraisal and integration of evidence, evaluation of patient outcomes and sharing best practices occurs with the interprofessional healthcare team as addressed. (3 semester hours lecture and 0 semester hours clinical). Pre-Requisites: NRSNG 250 NRSNG 270, and NRSNG 280. Co-Requisites: NRSNG 330 and NRSNG 340.

**3 semester hours**

### **330 Care of the Childbearing Family and Women's Health (Traditional)**

This course focuses on the acquisition and application of the theoretical basis for safe, quality, evidence-based, patient-centered nursing care for patient/family centered nursing care of the childbearing family. Focuses on care that is developmentally and culturally appropriate for the childbearing family with an additional emphasis on women's health and incorporating critical thinking, quality improvement, collaboration and information technology as they related to the care of diverse patients on the maternal/child unit. Integrates standards of practice and legal and ethical responsibilities of the professional nurse when caring for the childbearing family. (3 semester hours lecture and 2 semester hours clinical). Pre-Requisites: NRSNG 250, NRSNG 270, and NRSNG 280. Co-Requisites: NRSNG 310 and NRSNG 340.

**5 semester hours**

### **340 Care of the Adult II (Traditional)**

Care of Adults II builds on NRSNG 280 and focuses on the acquisition and application of the theoretical basis for quality, safe, evidence-based, patient-centered nursing care for patients experiencing acute, stable and unstable, medical/surgical conditions. This course focuses on care that is developmentally and culturally appropriate and incorporates critical thinking, quality improvement, collaboration, and information technology as they relate to the care of diverse patients in the medical/surgical setting. Integrates standards of practice and legal and ethical responsibilities of the professional nurse when caring for patients undergoing medical/surgical interventions. (3 semester hours lecture and 2 semester hours clinical). Pre-Requisites: NRSNG 250, NRSNG 270, and NRSNG 280. Co-Requisites: NRSNG 310 and NRSNG 330.

**5 semester hours**

### **350 Acute Psychosocial Nursing (Traditional and LPN)**

Acute psychosocial nursing focuses on the acquisition and application of the theoretical basis for quality, safe, evidence-based, patient-centered nursing care for patients experiencing acute psychiatric alterations. This

course focuses on care that is developmentally and culturally appropriate for patients needing mental health interventions and incorporates critical thinking, quality improvement, collaboration, and information technology as they relate to the care of diverse patients on the mental health unit. Integration of standards of practice and legal and ethical responsibilities occur as the professional nurse practices therapeutic use of self with psychiatric patients. (1.5 semester hours lecture and 1.5 semester hours clinical). Pre-Requisites: NRSG 310, NRSG 330, and NRSG 340. Co-Requisites: NRSG 370 and NRSG 380.

**3 semester hours**

### **370 Nursing Care of Children (Traditional and LPN)**

This course focuses on the acquisition and application of the theoretical basis for quality, safe, evidence-based, patient-centered nursing care for children and their families that is developmentally and culturally appropriate and incorporates critical thinking, quality improvement, collaboration and information-technology as they relate to the care of diverse patients on the pediatric acute care setting. Integrates standards of practice and legal and ethical responsibilities of the professional nurse. (4.5 semester hours lecture and 1.5 semester hours clinical). Pre-Requisites: NRSG 310, NRSG 330 and NRSG 340. Co-Requisites: NRSG 350 and NRSG 380.

**6 semester hours**

### **380 Care of Adults III (Traditional and LPN)**

This course builds on NRSG 280 and NRSG 340 and focuses on the acquisition and application of the theoretical basis for quality, safe, evidence-based, patient-centered nursing care for patients experiencing acute, unstable, complex medical/surgical conditions. This course focuses on care that is developmentally and culturally appropriate and incorporates critical thinking, quality improvement, collaboration, and information technology as they relate to the care of diverse patients in the medical/surgical setting. Integrates standards of practice and legal and ethical responsibilities of the professional nurse when caring for patients undergoing medical/surgical interventions. (3 semester hours lecture and 2 semester hours clinical). Pre-Requisites: NRSG 310, NRSG 330, and NRSG 340. Co-Pre-Requisites: NRSG 350 and NRSG 370.

**5 semester hours**

### **410 Care of the Patient with Complex Health Issues I (Traditional and LPN)**

NRSG 410 is the first of two courses that apply all the content taught in the curriculum to the care of patients experiencing high acuity complex conditions across the lifespan. This synthesis course integrates the information taught throughout the program by focusing on care that is developmentally and culturally appropriate for patients who meet the AACN Synergy Criteria of minimally resilient, highly vulnerable, minimally stable and highly complex. Students will collect and interpret complex patient data; make clinical judgments based on the beginning practitioner's ability to recognize patterns and trends which may predict the direction of the illness, students will sort out extraneous details; focus on key elements of each case while recognizing their professional limits and seek appropriate assistance. Students will incorporate critical thinking, quality improvement, collaboration, and information technology as they plan and provide evidence-based care

for patients experiencing alterations in health which identifies these patients as experiencing highly acute complex conditions in a variety of high acuity health care settings. Integration of the ANA Standards of Practice and the legal and ethical responsibilities of the professional nurse are incorporated when caring for complex patients. Students will evaluate the patient's ability to participate in care, decision making, predictability and resource availability as they provide culturally appropriate care. Application of knowledge will be through the use of case studies, simulations, clinical experiences and preceptorship. (2 semester hours lecture and 3 semester hours clinical). Pre-Requisites: NRSG 350, NRSG 370, and NRSG 380. Co-Requisites: NRSG 420, NRSG 430, and NRSG 440.

**5 semester hours**

#### **420 Community Mental Health Nursing (Traditional and LPN)**

Community Mental Health focuses on the acquisition and application of the theoretical basis for quality, safe, evidence-based, patient-centered nursing care in the community for patients experiencing mental health problems. This course focuses on care that is developmentally and culturally appropriate for patients needing mental health interventions and incorporates critical thinking, quality improvement, collaboration and information technology as they relate to the care of diverse patients in the community mental health system. Integration of standards of practice and legal and ethical responsibilities occur as the self-aware professional nurse co-leads therapeutic groups in the community. (2.5 semester hours lecture and 1.5 hours clinical ). Pre-Requisites: NRSG 350, NRSG 370 and NRSG 380. Co-Requisites: NRSG 410, NRSG 430, NRSG 440

**4 semester hours**

#### **430 Improving Critical Thinking through Test-Taking Strategies: NCLEX-RN Part 1 (Traditional and LPN)**

This is Part I of a comprehensive review course that provides an integration and synthesis of all concepts, content, and nursing skills taught in the previous nursing courses by looking at more complex patient situations and patient care. This course enables the individual student to recognize areas that need enhancement prior to entering professional practice. Includes a review for NCLEX-RN® and strategies for success. ( 0.5 semester hours lecture and 0.5 semester hours clinical). Pre-Requisites: NRSG 350, NRSG 370 and NRSG 380. Co-Requisites: NRSG 410, NRSG 420 and NRSG 440.

**1 semester hour**

#### **440 Community as Client: Clinical Immersion (Traditional and LPN)**

This specialty course introduces the student to community as client by immersion in community health promotion activities, industries, utilities, charities, church-based organizations, social settings, and local government meetings etc. as venues to operationalize the Leveled Student Learning Outcomes. Gordon's Functional Patterns for Communities provides a framework for community assessment which is the primary focus of this course. Serendipitous experiences beyond assessment are folded into the course as appropriate. (0 semester hours lecture and 1 semester hour clinical). Pre-Requisites: NRSG 350, NRSG 370, and NRSG 380. Co-Requisites: NRSG 410, NRSG 420, and NRSG 430.

**1 semester hour**

**450 Nurse as Manager (Traditional and LPN)**

This theory course provides a basis in evidence-based processes used in the nursing leadership role in a variety of healthcare settings for the purpose of providing and improving patient care that is safe, as well as developmentally and culturally appropriate. It focuses on healthcare systems, organizational designs and governance, quality improvement, cost-effective care, change theory, conflict resolution, delegation and the role of the professional nurse as leader. (3 semester hours lecture and 0 semester hours clinical). Pre-Requisites: NRSB 410, NRSB 420, NRSB 430, and NRSB 440. Co-Requisites: NRSB 460, NRSB 470, and NRSB 480.

**3 semester hours****460 Care of the Patient with Complex Health Issues II (Traditional and LPN)**

Nursing NRSB 460 is the second part of two courses that apply all the content taught in the curriculum to the care of patients experiencing high acuity complex conditions across the lifespan. This synthesis course integrates the information taught throughout the program by focusing on care that is developmentally and culturally appropriate for patients who meet the AACN Synergy Criteria of minimally resilient, highly vulnerable, minimally stable, and highly complex. Students will collect and interpret complex patient data; make clinical judgments based on the beginning practitioner's ability to recognize patterns and trends which may predict the direction of the illness, sort out extraneous details; focus on key elements of each case while recognizing their professional limits and seek appropriate assistance. Students will incorporate critical thinking, quality improvement, collaboration and information technology as they plan and provide evidence based care for patients experiencing alterations in health which identifies these patients as experiencing highly acute complex conditions in a variety of high acuity health care settings. The ANA standards of practice and the legal and ethical responsibilities of the professional nurse are integrated when caring for complex patients. Students will evaluate the patient's ability to participate in care, decision making, predictability and resource availability as they provide culturally appropriate care. Application of knowledge will be through the use of case studies, simulations, clinical experiences and preceptorship. (2 semester hours lecture and 3 semester hours clinical). Pre-Requisites: NRSB 410, NRSB 420, NRSB 430, and NRSB 440. Co-Requisites: NRSB 450, NRSB 470, and NRSB 480.

**5 semester hours****470 Community as Client (Traditional and LPN)**

Building on the first semester's community immersion course and operationalizing the Program Student Learning Outcomes this course adds the additional focus of strengthening the theory base and continuing to experience community as patient. Through a variety of venues and modalities, students continue to experience the paradigm shift to community as patient and provide professional baccalaureate nursing care that promotes health and wellness. (2 semester hours lecture and 1 semester hour clinical). Pre-Requisites: NRSB 410, NRSB 420, NRSB 430 and NRSB 440. Co-Requisites: NRSB 450, NRSB 460 and NRSB 480.

**3 semester hours**

**480 Improving Critical Thinking through Test-Taking Strategies: NCLEX-RN Part II (Traditional and LPN)**

This is Part II of a comprehensive review course differing from Part I through the selection of different NCLEX-RN questions that those previously mastered. An integration and synthesis of all concepts, content, and nursing skills is provided as taught in the previous nursing courses by looking at more complex patient situations and patient care. This course enables the individual student to recognize areas that need enhancement prior to entering professional practice. Includes a review for NCLEX-RN® and strategies for success. (0.5 semester hours lecture and 0.5 semester hours clinical). Pre-Requisites: NRSG 410, NRSG 420, NRSG 430 and NRSG 440. Co-Requisites: NRSG 460 and NRSG 470.

**1 semester hour****495 Educational Foundations and School Law (Traditional and LPN)**

Concepts related to the legal structure and governance of public education will be investigated. While an elective course, the learner nonetheless incorporates student learning outcomes that reference evidence-based care, caring environment, critical thinking, professional communication/collaboration, information technology and ethical and legal guidelines. Emphasis will be given to school law, legal procedures, policy-making, rules, regulations and issues pertinent to school nursing. (2 semester hours lecture and 0 semester hours clinical). Pre-Requisites: Department permission. Co-Requisites: elective course.

**2 semester hours****510 Transition to Professional Baccalaureate Nursing Practice (RN-BSN)**

This initial course in the RN-BSN online program introduces the student to the conceptual basis of professional baccalaureate nursing using the knowledge, skills, and behaviors associated with the nursing process as venue for introducing the Program Student's Learning Outcomes (PSLOs) and the Alderson Broadbush curriculum. The baccalaureate experience portion culminates in portfolio development providing a means to describe one's current and potential practice. Student learning outcomes provide a framework pertaining to quality evidence-based nursing care, environment, critical thinking, inter-professional communication/collaboration, leadership, informatics and professional ethical and legal practice. The course incorporates therapeutic communication, mental health, family and transcultural considerations. Pre-Requisites: Admission to Nursing Program

**3 semester hours****515 Health Assessment (RN-BSN) (NRSG 250 Traditional & LPN-BSN)**

This course focuses on the theoretical basis and psychomotor skills used when assessing the health status of individuals while emphasizing cultural diversity, age-related differences, and lifestyle factors. It introduces the role of the professional nurse in identifying and communicating normal findings and common deviations from normal. This course provides the opportunity to apply cognitive and psychomotor skills incorporating caring while performing a systematic, patient-centered health assessment. Pre-requisite: NRSG 510,

**3 semester hours**



**520 Nursing Research (NRSG 310 Traditional & LPN-BSN)**

Building on the introductory concepts of evidence-based nursing practice from earlier courses, students examine all aspects of the research process as it relates to the baccalaureate nurse's role in research. Identification of practice issues, appraisal and integration of evidence, evaluation, of patient outcomes and sharing best practice occurs with the interprofessional healthcare team as addressed. Pre-requisite: NRSG 510, 515

**3 semester hours****530 Nurse as Manager (RN-BSN) (NRSG 450 Traditional & LPN-BSN)**

This theory course provides a basis in evidence-based processes used in the nursing leadership role in a variety of healthcare settings for the purpose of providing and improving patient care that is safe, as well as developmentally and culturally appropriate. It focuses on healthcare systems, organizational designs and governance, quality improvement, cost-effective care, change theory, conflict resolution, delegation and the role of the professional nurse as a leader Pre-requisite: NRSG 510, 515, 520

**3 semester hours****531 Nursing Professional Development (RN-BSN)**

This course focuses on lifelong learning in which nurses engage to develop and maintain competence, enhance professional nursing practice, and support achievement of career goals. It focuses on current health policy issues, health care ethics, evidence-based practice, communication, informatics, leadership and management strategies with diverse client populations across the lifespan. Pre-requisite: NRSG 510, 515, 520

**3 semester hours****532 Community Mental Health Nursing (RN-BSN) (NRSG 420 Traditional & LPN-BSN)**

Community Mental Health focuses on the acquisition and application of the theoretical basis for quality, safe, evidence-based, patient-centered nursing care in the community for patients experiencing mental health problems. This course focuses on care that is developmentally and culturally appropriate for patients needing mental health interventions and incorporate critical thinking, quality improvement, collaboration and information technology as they relate to the care of diverse patients in the community mental health system. Integration of standards of practice and legal and ethical responsibilities occur as the self-aware professional nurse examines therapeutic groups in the community. Pre-requisite: NRSG 510, 515, 520

**3 semester hours****533 Community as Client (RN-BSN) (NRSG 440 Traditional & LPN-BSN)**

Operationalizing the Program Student Learning Outcomes this course adds the additional focus of strengthening the theory base and continuing to experience community as patient. Through a variety of venues and modalities, students continue to experience the paradigm shift to community as patient and provides baccalaureate nursing care that promotes health and wellness Pre-requisite: NRSG 510, 515, 520

**3 semester hours****550 Excellence in Nursing (RN-BSN)**

This is the capstone course for the RN-BSN program. The student engages in academic endeavors that reflect application, synthesis and evaluation of

concepts and nursing issues studied throughout the completion program. Application of educational experience to professional growth and contribution to the nursing profession is emphasized.

Pre-requisite: NRSg 510, 515, 520, 530, 531, 532, 533

**3 semester hours**

## **Philosophy (PHIL)**

### **190 Introduction to Philosophy**

Introduction to content and process of philosophy. Emphasis on terminology, traditional problem areas, concepts, themes, and ideas. Development of skill in reading and analyzing philosophical material.

**3 semester hours**

### **290 Applied Logic**

Creative and critical thinking and problem solving based on the paradigm of the scientific method. Types of syllogisms, propositions, basic statistical procedures, value judgments, analyses.

**3 semester hours**

### **310 Ethics**

An examination of the nature of ethics, ethical disagreement, formal ethical theories and perennial topics in ethics (liberty, law, justice, rights). Reading and discussion, plus application of formal principles to case study situations to stress use of theory in practical situations.

**3 semester hours**

### **320 Philosophy of Religion**

Reading, writing and discussion focusing on problems within the philosophy of religion. Topics such as the nature of religious experience, the existence of God, the problem of evil, the place of reason in the life of faith. (Cross listed with Religion 320.) Prerequisite: Sophomore level or above; Philosophy 190 strongly recommended.

**3 semester hours**

### **340 Environmental Ethics**

An examination of the nature of ethics, and ethical theories, and the application of theory to perennial topics in environmental ethics. In addition to reading and discussion, includes examination of case-studies, lectures by outside speakers, and a fieldtrip.

**3 semester hours**

### **390 Special Topics in Religion and Philosophy**

Selected and varying subjects, presenting the opportunity for detailed examination of a topic. Titles under consideration include: Literature and Religion; Contemporary Religious Movements; The Philosophy of Science. (Cross listed with Religion 390.) Not open to freshmen. Prerequisites stated at time of offering.

**3 semester hours**

### **391 Ethical Perspectives on Health Related Issues**

An examination of some of the major ethical issues involved in the practice of medicine, medical research, and health care policy. Prerequisite: Sophomore level or above.

**3 semester hours**



## **Physical Education (PHED)**

### **190 Introduction to Swimming**

A course designed to include beginner's skills and advanced beginner's skills outlined by the American Red Cross to enable the student to become more proficient in water and to obtain knowledge of personal safety. Also designed to prepare the student for an intermediate swimming course.

**1 semester hour**

### **200 Philosophy and Orientation in Physical Education and Recreation**

Orientation to the roles of physical education and recreation to the total life-long process of education and leisure in our society with emphasis on history, philosophy, program development, school-community relations and career opportunities.

**3 semester hours**

### **211 Intermediate Swimming**

For those who have completed beginning level or demonstrate an effective front crawl, back crawl, side, elementary back and breast strokes. Prerequisite: Physical Education 190 or WPI.

**1 semester hour**

### **212 Advanced Swimming**

For those who have completed intermediate level or demonstrate effective front crawl, side, back crawl and breast strokes. Prerequisite: Physical Education 211 or WPI.

**1 semester hour**

### **220 Elementary Physical Education**

Program for the elementary school child: movement education, motor exploration, motor learning, basic movement skills, rhythms, sports skills and related games. Prerequisite: Education 270 and 290.

**2 semester hours**

### **253 Teaching Physical Education Content in the Areas of Team and Individual Sports**

The objective of the class is to provide an overview of individual sports as identified under the West Virginia Department of Education Policy 5100, and develop the students' proficiency in ability to teach outcomes to the set targets. This course also includes other content in individual sports to be taught at all levels.

**3 semester hours**

### **263 Bowling**

**1 semester hour**

### **264 Archery**

**1 semester hour**

### **270 Personal Wellness/Fitness**

The course will provide students with opportunities to develop an individual optimal level of physical fitness, acquire knowledge of physical fitness concepts, and understand the significance of life style to one's health and fitness.

**1 semester hour**

### **280 Coaching Theory, Tactics and Officiating**

Rules, techniques, and laboratory experiences in the coaching and officiating of major team sports.

**3 semester hours**

**281 Square and Folk Dancing**

Materials, instruction, teaching, and calling.

**1 semester hour**

**283 Get Fit**

A course designed to promote lifetime fitness behaviors for the well-being of the individual. The class is designed for students to achieve higher levels of fitness performance utilizing a variety of equipment and fundamentals of aerobic activity.

**1 semester hour**

**310 Physiology of Exercise for Physical Education**

This course is designed to provide physical educators with an applied knowledge in relation to the human physiologic responses to exercise and other environmental stresses. Basic laboratory procedures and tests in the field of exercise physiology are designed to complement the lecture area.

Prerequisite: Biology 110 and Biology 111.

**3 semester hours**

**320 Kinesiology for Physical Education**

This course is designed to introduce the student to movement concepts as applied to various sports activities. Laws of motion, principles of force and laws governing projectiles will be introduced and applied. The student will develop the ability to analyze skill movements in specific skills and activities. The anatomy and function of the musculoskeletal system and concept of levers will be reviewed. Prerequisite: Biology 110 and Biology 111.

**3 semester hours**

**325 Adapted Physical Education/Recreation**

The interdisciplinary approach to adapted physical education and recreation will be explored with emphasis on the psychological, social and leisure aspects of exceptional individuals. Students will apply concepts gained by working with exceptional individuals in school, hospital and/or rehabilitation center.

**3 semester hours**

**335 Safety Education and First Aid**

History of the safety movement principles and philosophy of safety. Theory and practice in techniques of first aid and emergency care. American Red Cross standard and advanced certification for qualifying students.

**2 semester hours**

**350 Assisting in Physical Education**

Directed experiences in class organization, techniques and procedures, use of equipment and facilities, testing and evaluation. Prerequisite: WPI.

**1 semester hour**

**360 Psychological and Sociological Principles of Physical Education**

The psychological and sociological perspectives relative to the scientific foundations of physical education. Prerequisite: Physical Education 200.

**3 semester hours**

**400 Organization, Administration and Management**

Functions and processes in the organization, administration and management of the physical education program. The course deals in skills associated with leadership, decision making, communication, time management, staffing, budgets and legal concerns. Prerequisite: Physical Education 200 and 360.

**3 semester hours**

**420 Tests and Measurements in Physical Education**

To introduce the student to the fundamentals of measurement and evaluation in the field of physical education. This course is designed to help students understand essential statistical techniques, relevant measurement theory, and available tests utilized in the evaluation process.

**3 semester hours**

**500 Internship in Athletic Coaching**

To give the student an opportunity to work with an established coach and to gain experience in all aspects of an athletic coaching career.

**SPECIAL TOPICS** in this area (identified by the course number 390) may become available in certain semesters.

**INDIVIDUAL STUDIES** which may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600 or 650) may be scheduled with special permission.

**Physics (PHYS)****211 Introduction to Physics**

A course designed to introduce the way in which matter and energy behave in the physical universe. Topics include force, energy, momentum, heat, electricity, light and nuclear energy. A weekly laboratory will reinforce the lecture topics. Prerequisite: Grade of C or better in Mathematics 011 or 113 or 141 or WPI.

**4 semester hours**

**221 General Physics I**

A course designed to provide the science student with knowledge of and an appreciation for the nature of matter and energy and the relationship between them. Topics include forces, work, energy, heat, sound and their applications. A weekly laboratory will reinforce the lecture topics. Prerequisite: Grade of C or better in Mathematics 141 or WPI.

**4 semester hours**

**222 General Physics II**

Continuation of Physics 221 to other areas of the physical universe. Topics include magnetism, electricity, light and nuclear energy. A weekly laboratory will reinforce lecture topics. Prerequisite: Grade of C or better in Physics 221.

**4 semester hours**

**390 Special Topics in Physics**

Possible offering on topics not listed as regular offerings. Prerequisites and semester hour credit dependent on the topic offered.

**3-4 semester hours**

**INDIVIDUAL STUDIES** which may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600, 610, or 650) may be scheduled with special permission.

**Political Science (POLS)****190 Introduction to Political Science**

Application of political theory to political systems. Systematic study of past and present political processes. Treatment of the character of politics by a study of its fundamental issues.

**3 semester hours**

**200 American National Government**

Structure and function of the American national government. Study of the Constitution, scope of national legislative power, the judiciary, the administrative system and various political forces.

**3 semester hours****210 State and Local Government**

Position of the states and cities in the federal system. Features of state constitutions. Functioning processes of major elements of government at state, county, city and other levels.

**3 semester hours****220 International Studies**

This course seeks to give students the tools to understand how the world system is structured and how it functions: How do governments attempt to regulate international conflict, govern global affairs and pursue national agendas? In addition, this course strives to introduce students to the major issues confronting human race within the international arena at the outset of the 21st century – the continuing threat of war (nuclear, chemical, biological and conventional); national, religious and ethnic conflict; terrorism; transnational organized crime; environmental and public health problems; the costs and consequences of accelerating globalization and economic interdependence; the elimination of poverty; the protection and furtherance of human rights; and the struggle for democracy, order and the rule of law.

**3 semester hours****225 American Elections**

In this course students learn how citizens evaluate candidates, issues, parties and their political context. Building upon a background of American voting behavior, Presidential election campaigns are explained and examined. A majority of our time will focus on the current Presidential contest. We will use the election to analyze primary data sources, examine polls and polling errors, the impact of the media, impact of Governors and other endorsements of candidates, and explain the Electoral College.

**3 semester hours****310 Constitutional Law**

Development of the United States Constitution. Analysis of factors influencing its formulation and subsequent interpretation: legislative, executive, and judicial powers, civil liberties, due process of law and federalism. Prerequisite: Political Science 200.

**3 semester hours****320 Comparative Government**

Comparison of the governments of selected countries, including the United Kingdom, France, Russia, Germany, and China with respect to political heritage and ideology, governmental structure, parties and public opinion, foreign relations and contemporary issues. Also includes the modern development of comparative politics as a process of comparing and analyzing variables. Prerequisite: Political Science 190 or 200.

**3 semester hours****330 International Relations and World Politics**

A survey of background and current development in such topics as international law, international organization, and economic development, problems of war, regional arrangements, and unofficial influences in world policy. Prerequisite: Political Science 190 or 200.

**3 semester hours**

**340 International Law**

This course will trace the evolution of international law starting with the Nuremberg trials, and moving forward to include the International Criminal Tribunals for Rwanda and former Yugoslavia, the International Criminal Court, and other human rights trials. The course shall examine the difference between national, regional (European Court of Justice), and global approaches to international law. Prerequisite: Political Science 220.

**3 semester hours****390 Special Topics in Political Science**

Selected subjects, varying from offering to offering, presenting the opportunity for a more detailed examination of a topic than is possible in a general course.

**3 semester hours****415 American Foreign Policy**

This course will examine the leading conceptual approaches to the analysis of American foreign policy and some of the key foreign policy issues that confront the United States under the current presidential administration. The relationship between International Relations Theory and the study of foreign policy will be a central concern of the class. A brief review of the principal approaches to the study of foreign policy and a brief historical overview of U.S. foreign policy during the 19th and early 20th centuries will be presented in the first five weeks of the course. During the rest of the semester major emphasis will be placed on the evolution of U.S. foreign policy during the Cold War (1945-1991), on the post-Cold War period (1991- 2001), on the post-September 11, 2001, period of the George W. Bush presidency, and continue to examine the current administration's foreign policy initiatives.

**3 semester hours****425 American Elections**

In this course students learn how citizens evaluate candidates, issues, parties and their political context. Building upon a background of American voting behavior, Presidential election campaigns are explained and examined. A majority of our time will focus on the current Presidential contest. We will use the election to analyze primary data sources, examine polls and polling errors, the impact of the media, impact of Governors and other endorsements of candidates, and explain the Electoral College. Prerequisite: Political Science 200.

**3 semester hours****440 Political Ideologies**

Introduces students to the political ideologies (the political creeds and doctrines) that dominated and shaped world politics over the past 200 years. This class is concerned with the origins, central themes and impacts of these basic political ideas. The course will survey how political ideologies brought about change through a survey of the nineteenth-century ideologies of liberalism, conservatism, nationalism and socialism, the twentieth-century juggernauts of communism and fascism, and more contemporary ideologies like ecologism and religious fundamentalism.

**3 semester hours****500 Internship in State or Federal Government**

Directed studies in connection with a practicum experience in state or federal government. Forty hours of work weekly, plus readings and/or research to

be outlined in advance by the designated faculty coordinator. Off-campus only, in a government-related job in a state or federal capital, arranged by the political science faculty. Prerequisite: WPI. Recommended: Completion of Political Science 210. (Grading Honor, Satisfactory, or Unsatisfactory.)

**4 or 6 semester hours**

### **550 Seminar in Political Science**

This course explores important issues in political science from different perspectives within the field and related academic disciplines. Critical thinking, analysis and research skills are required of the student in classroom participation and assignments.

**3 semester hours**

## **Psychology (PSYC)**

### **190 General Psychology**

A general overview of the field of psychology designed to provide the student with a knowledge and understanding of basic principles in psychology and their applications to human behavior.

**3 semester hours**

### **220 Human Development**

Provides an introduction to the field of life span development, from conception through old age, covering physical, cognitive and psychosocial development. Major theories, issues and trends in the field are reviewed.

**3 semester hours**

### **230 Human Adjustment**

Overview of various areas of individual adjustment to life, with an emphasis on the healthy personality and techniques for meeting the demands of ones life.

**3 semester hours**

### **260 Statistics and Data Analysis**

Emphasis on producing and interpreting standard means of presenting summary data and using appropriate statistical procedures. Includes basic parametric and non-parametric statistics as they are applied to data from the behavioral sciences. Prerequisite: MATH 011 if needed.

**3 semester hours**

### **301 Principles of Learning**

Introduction to the principles of classical and operant conditioning and their application to the understanding, prediction and control of behavior. Includes laboratory projects in conditioning. Prerequisite: Psychology 190 or 200 or 220.

**3 semester hours**

### **303 Physiological Psychology**

A systematic and comparative description of the physiological mechanisms that underlie behavior. Biological correlates of selected psychological phenomena will be demonstrated in the laboratory. Prerequisite: Psychology 190 or 200 or 220.

**3 semester hours**

### **310 History and Systems of Psychology**

Historical antecedents of contemporary theories. The development of modern scientific psychology from its roots in philosophy, physiology and medicine to its contemporary status. Prerequisite: Psychology 190 or 200 or WPI.

**3 semester hours**

**360 Research Methods**

The course is designed to prepare students for original research in the experimental study of behavior. Critical examination will be given to various research strategies. Students will gain experience in structuring, conducting and interpreting simple psychological experiments; they will learn to use the tools and equipment commonly employed in psychological research and to prepare research reports. Prerequisite: Psychology 260.

**3 semester hours****390 Special Topics in Psychology**

Selected subjects, varying from offering to offering, presenting the opportunity for a more detailed examination of a topic than is possible in a general course.

**3 semester hours****395 Death and Dying**

This course provides an introduction to and overview of the topics of aging, dying and death in context of the dilemmas posed by medical technology applied at the end of life. Both a historical and multicultural perspective is presented.

**3 semester hours****400 Social Psychology**

Human behavior viewed as interaction of the individual with other individuals, groups and with the socio-cultural setting. Prerequisite: Sociology 190, or Psychology 190 or 200.

**3 semester hours****420 Abnormal Psychology**

Symptomatology, etiologies and treatment of the major mental disorders. Prerequisite: Psychology 190, 200 or 220.

**3 semester hours****430 Counseling Theories and Issues**

Introduction to theories, techniques and issues of counseling. Prerequisite: Psychology 420.

**3 semester hours****500 Field Practicum**

Field placement and experience.

**3-6 semester hours****550 Seminar in Psychology**

This course explores important psychological issues from different perspectives within the field of psychology and related academic disciplines. Critical thinking, analysis and research skills are required of the student in classroom participation and assignments. The student will design, conduct and evaluate an individual research project as part of this course. Prerequisite: Psychology 260 and 360.

**3 semester hours**

**INDIVIDUAL STUDIES** which may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600 or 650) may be scheduled with special permission.

## Reading (READ)

### 300 Reading in the Secondary Schools

Study of reading, thinking, study and location skills essential at middle and high school levels, and assessment techniques, technology, lesson and unit development in content area. Field experience in public schools of at least 15 hours. Prerequisites: full admission to teacher education program.

**3 semester hours**

### 320 Reading in the Elementary School

A basic course in teaching reading at the elementary level. Gives students who have little or no previous experience in this area an opportunity to study the reading process and learn how to apply effective techniques and methods to elementary teaching of reading. Clinical experiences of at least 15 hours in public schools. Prerequisites full admission to teacher education program.

**3 semester hours**

### 322 Language Arts in the Elementary School

A basic course in teaching the language arts at the elementary level that gives students who have little or no previous experience in this area an opportunity to study the relationships among the various areas of language arts and learn how to apply effective techniques and methods to classroom teaching. Clinical experiences of at least 15 hours in the public schools. Prerequisite: full admission to teacher education program.

**3 semester hours**

### 450 Corrective Techniques in Reading Instruction

Basic course in diagnostic and corrective techniques in reading, especially related to the elementary school. Attention to reading problems and their correction or solution through the use of equipment and materials available to the classroom teacher. Clinical experiences of at least 10 hours in the public schools.. Prerequisite: Grade of C or better in Reading 320 and 322, or WPI. full admission to teacher education program..

**3 semester hours**

## Religion (RELG)

### 280 Religions of the World

Origin, historical development, central theological, philosophical and ethical perspectives, as well as critical comparison of the major religions of humankind.

**3 semester hours**

### 290 Introduction to the Old Testament

Literary and historical examination of portions of the Old Testament. Formation of the Pentateuch, the rise of the literary prophets, and the development of Judaism.

**3 semester hours**

### 295 Introduction to the New Testament

Literary and historical examination of portions of the New Testament. Attention to the synoptic gospels, Johannine writings, and the Pauline epistles.

**3 semester hours**

### 300 Mentoring Practicum (*Inactive*)

Provides formal academic context in which to explore issues in ministry



and to observe or participate in ministry activities with an assigned mentor. Christian Studies majors. May be repeated for credit. Prerequisites: Religion 290 and 295 or WPI; sophomore level or above.

**1-2 semester hours**

### **301 Hospice Field Education**

Observation of and interaction with patients under the care of Mountain Hospice in Barbour County, with field supervision by the Hospice Chaplain.

**3 semester hours.**

### **320 Philosophy of Religion**

Reading, writing, and discussion focusing on the problems within the philosophy of religion. Topics include the nature of religious experience, the existence of God, the problem of evil, the place of reason in the life of faith. (Cross listed with Philosophy 320.) Prerequisite: Sophomore level or above; Philosophy 190 strongly recommended.

**3 semester hours**

### **323 Pastoral Care and Leadership**

Study, examination, and analysis of the theology and practical application of pastoral care, all within the framework of pastoral theology and ministry. In particular, examination of aspects of pastoral care as it pertains to worship and crisis ministry. Includes examination and analysis of the place of self-identity for pastoral care.

**3 semester hours**

### **325 Christian Theology**

Study of the origin, nature, methodology, and themes of Christian theology with special reference to the doctrines of God, Christ, the Church, and humanity, as well as an exploration of the relationship of theology to creed. Prerequisite: Religion 295; sophomore level or above.

**3 semester hours**

### **332 Introduction to Christian Ministry and Leadership**

Study of significant theologies of ministry to understand the nature of this aspect of Christian life and work. Attention also to practical and basic forms of ministry such as worship, preaching, teaching, pastoral care. Prerequisite: Religion 295; sophomore level or above.

**3 semester hours**

### **333 Introduction to Preaching/Teaching Ministry**

Introduction to the principles and practice of teaching and preaching, including exegesis/interpretation, preparation, form, delivery, and evaluation. Emphasis on homiletic and pedagogic theory and skills necessary for proficiency in youth ministry.

**3 semester hours**

### **334 Introduction to Youth Ministry**

Introduction to youth ministry through examination of contemporary culture, theological concepts, practical necessities, and spiritual formation, as each applies to the practice of youth ministry.

**3 semester hours**

### **335 Leadership in Christian Worship and Spirituality**

Study of the practice of Christian worship through exploration of the Biblical foundations of worship, a Biblical theology of worship, and a brief history of worship, as well as observation of and participation in worship experiences.

Also includes examination of Christian spirituality as it relates to worship. Intended to be both a theoretical examination and a practical exploration of worship. Prerequisite: Religion 295; sophomore level or above.

**3 semester hours**

### **350 Leadership in Christian Service Practicum**

Opportunities for students to engage in meaningful service to others that also helps them develop as responsible citizens in a global society. Service examined from the perspective of the Christian values of compassion and justice, with parallel ideas in other religions and in humanistic thought also included. Focus on development of skills and behaviors necessary for service and responsible citizenship, including critical reflection on the way values affect judgment and choices.

**3 semester hours**

### **360 The Christian Church Through the Ages**

History and development of the Christian church from the apostolic period to the modern ecumenical movement. (Cross listed with History 360.)

Prerequisites: History 150 and 160, or WPI.

**3 semester hours**

### **370 Integration of Faith and Sports**

This course helps the sportsperson to re-examine how to think about, inhabit, and practice sports. In particular, this course examines how Christians critically understand and practically relate to the culture of sports. Biblical metaphors for sports and Biblical virtues (fairness, hard work, team work, etc.) that may be developed through sports will be further examined.

**3 semester hours**

### **375 Sports Chaplaincy**

This course addresses and assesses the different models of sports ministry and chaplaincy. Students will learn how to bring their knowledge and skills to bear on social, moral and personal problems unique to the sports culture.

**3 semester hours**

### **390 Special Topics in Religion and Philosophy**

Selected and varying subjects, presenting the opportunity for a detailed examination of a topic. Titles under consideration for the period include: Literature and Religion, Contemporary Religious Movements, The Philosophy of Science. (Cross listed with Philosophy 390.) Not open to freshmen. Prerequisites stated at time of offering.

**3 semester hours**

### **550 Senior Seminar in Ministry & Leadership**

A capstone seminar in ministry and leadership with a focus on the integration of theology and ministry in the practice of Christian leadership.

**3 semester hours**

**INDIVIDUAL STUDIES** which may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600 or 650) may be scheduled with special permission.

## **Sociology (SOCI)**

### **190 Introduction to Sociology**

Society and culture, including analysis of social interaction, personality, social institutions, communities and social change.

**3 semester hours**

**210 The Family**

Analysis of the family as a social institution. The historical antecedents and contemporary problems of dating, courtship, marriage, marital adjustment and rearing a family. Prerequisite: Sociology 190.

**3 semester hours****230 Appalachian Studies**

An interdisciplinary study of the major problems in Appalachian history from the colonial period to the present. The class content includes the perspectives of social, political, economic and environmental histories. Special attention will be given to West Virginia history. Cross listed with HIST-230.

**3 semester hours****240 Social Problems**

The personal and social processes involved in deviation from the norms of society and in social disorganization. Prerequisite: Sociology 190.

**3 semester hours****250 Social Sciences Research Methods**

This course is an examination of basic research design and the various methodologies in the social sciences. Both quantitative and qualitative research methods will be covered. This class does not focus on the substantive issues in the social sciences, but rather the ways in which material is gathered and analyzed. Graduates of this course will be able to investigate and explain the means by which social scientists gather, interpret, and present evidence.

**3 semester hours****310 Social Gerontology**

The study of aging in social context including theories on physical and psychological aging, personal adaptation, societal responses and policy making. Prerequisite: Sociology 190.

**3 semester hours****320 Minorities**

A study of the social, political, economic and cultural interactions between the majority and minority populations in North America. Includes a study of the nature of prejudice and discrimination, and the processes and rates of assimilation. Prerequisite: Sociology 190.

**3 semester hours****350 Criminology**

Classifications and theories of crime and criminal behavior. Methods of treating the criminal. The youthful offender, criminal courts and penology. Prerequisite: Sociology 190.

**3 semester hours****390 Special Topics in Sociology**

Selected subjects, varying from offering to offering, presenting the opportunity for a more detailed examination of a topic than is possible in a general course.

**3 semester hours****Spanish (SPAN)****110 Elementary Spanish I**

Introductory language study focusing on the development of communicative

competency. Emphasis on listening, speaking, reading, writing, and culture. Lab work required.

**3 semester hours**

### **111 Elementary Spanish II**

Continuation of language study with somewhat more emphasis on listening and speaking skills. Lab work required. Prerequisite: Grade of C or better in Spanish 110.

**3 semester hours**

### **220 Intermediate Spanish I**

Comprehensive continuation of four-skill study of Spanish language and culture. Lab work and oral presentation required. Most of class conducted in Spanish. Prerequisite: Grade of C or better in Spanish 111.

**3 semester hours**

### **221 Intermediate Spanish II**

Continued study of the four language skills and culture. Lab work and oral presentation required. Class conducted in Spanish. Prerequisite: Grade of C or better in Spanish 220.

**3 semester hours**

### **390 Special Topics in Spanish**

Topics may include Medical Spanish, Business Spanish, and Conversational Spanish.

**3 semester hours**

**INDIVIDUAL STUDIES** which may be either Guided (identified by the course number 560 or 570) or Independent (numbered 600 or 650) may be scheduled with special permission.

## **Special Education (SPED)**

### **200 Areas of Exceptionality in Special Education**

This course is designed as a guided survey special course for all education majors of the area of disability in the field of Special Education. In addition, there will be an exploration into the historical/philosophical/political/sociological foundations as they relate to exceptional children. There will be a ten-hour laboratory experience in public schools. (20 hours for those seeking a special education endorsement.) Prerequisite: Education 200 or WPI.

**3 semester hours**

### **290 Introduction to Specific Learning Disabilities**

Surveys course designed to provide information concerning (1) the historical development of educating students with learning disabilities, (2) the etiology of learning disabilities, (3) characteristics and implications for amelioration, and (4) instructional strategies, curriculum development, programming and collaboration. A 20-hour practicum is a required part of the course. Prerequisite: Special Education 200 or WPI. Prerequisite: Concurrent with or Grade of C or better in Education 290 or 260

**3 semester hours**

### **300 Education of the Intellectually Disabled**

The course is designed to provide a comprehensive overview of mental retardation including: (1) historical/legal foundations, (2) assessment, definitional and etiological issues, (3) learner characteristics, (4) educational programming, curriculum planning, instructional strategies and issues

across the life-span, including school-to-work and transitional planning for independent adult living, and (5) ethical/professional concerns and emerging trends. Emphasis is placed on individuals who experience mild to moderate mental retardation. A 20-hour practicum is a required part of the course. Prerequisite: Special Education 200 or WPI, Concurrent with or Grade of C or better in Education 290 or 260

**3 semester hours**

### **310 Assessment in Special Education**

The course is designed for special education majors, as a general introduction to the issues and practices regarding the assessment of individuals with disabilities. Emphasis is given to data collection procedures, technical adequacy of tests, assessment of various handicapping conditions, types of tests, as well as appropriate placement options for the handicapped child. Prerequisite: Special Education 200. Full admission to teacher education program.

**3 semester hours**

### **320 Introduction to Behavior Disorders/Severe Emotional Disturbance**

This course is an introductory course in special education for children and youth with emotional and behavior disorders. Included in the course will be: 1) the historical development of educating students with behavior disorders, 2) etiology of behavior disorders, 3) types and characteristics of behavior disorders, and implications for amelioration, and 4) assessment, instructional practices, treatment options, programming and collaboration. A 20-hour field placement required. Prerequisite: Special Education 200 or WPI. Full admission to teacher education program.

**3 semester hours**

### **330 Behavior Management**

Includes predominantly behavioral and cognitive behavior management strategies for increasing and reducing behavior, and the use of single subject designs for managing treatment interventions. Other theoretical models of human behavior and classroom management, including the social systems, environmental, psychodynamic, psycho-educational and constructivist models will also be addressed. Attention is directed toward interventions of specific behavioral challenges including: social competence, aggressive behavior, disruptive behavior, noncompliance, temper tantrums, impulsivity, inattention, hyperactivity and stereotypic behavior. The course will also examine issues in early childhood behavior, adolescent behavior and the effects of cultural influences on behavior. The course will utilize a case study approach and will include a 10-hour field placement in a special education or inclusive general class. Prerequisite: Special Education 200, Education 270, or WPI. Full admission to teacher education program.

**3 semester hours**

### **340 Creating Inclusive Classrooms: Strategies for Classroom Teachers**

This is a methods-level course designed to assist future teachers in providing appropriate learning environments, behavior management and consultation, and services for all students served in inclusive classroom settings. Although primary emphasis is directed toward educating students with identified disabilities, the course uses a cross-cultural orientation that provides the

beginning teacher with strategies for providing effective classroom instruction for all students. Prerequisite: Special Education 200 and Education 290, or WPI, and at least junior standing. Full admission to teacher education program.

**3 semester hours**

### **350 Instructional Strategies for Mild/Moderate Disabilities**

This course involves foundational and teaching techniques commonly associated with special education. Includes behavioral technology as it relates to methods, how to use specific approaches, and how to modify existing curriculum to special needs of individuals. An introduction to self-management strategies is also provided. A 20-hour practicum is a required part of the course. Prerequisite: Special Education 310 or WPI. Full admission to teacher education program.

**3 semester hours**

### **400 Advanced Practicum in Special Education**

This course is designed to provide students with a supervised Special Education field experience. The practicum ensures that in addition to teaching, students will gain the experience and skills that are unique to the Special Education Profession. This field experience will involve conducting assessments of education functioning, IEP development, curriculum and classroom design, collaboration skill, instructional strategies and the evaluation of instruction on analysis of student performance data. When and where appropriate, this field experience will also focus on providing support for exceptional students who participate in "inclusive" programs. Taken as at least a 40-hour field experience in junior year. Full admission to teacher education program.

**3 semester hours**

## **Sport Management (SPMT)**

### **200 Introduction to Sport Management**

This course discusses the meaning of sport management in terms of its scope, principles, issues and future trends. In addition, this course examines the job responsibilities and competencies required of sport managers in a variety of sports or sports-related organizations in a hope to have the student become acquainted with the role of sport administrators and managers. Finally, this course provides the student with an overview of the different facets and career opportunities that are available in the field of sport management.

**3 semester hours**

### **255 Sport Law and Ethics**

The course will enhance the student's knowledge of legal issues commonly faced by coaches, both on and off the field, so the student will be able to utilize this knowledge in day-to-day situations faced by amateur and professional coaches, and to develop a basic understanding of the law so that the student may recognize and hopefully avoid common legal pitfalls. Fundamentals of the areas of the law that affect sports and that are affected by sports will also be covered. Tort law, criminal law, and constitutional law are explored as well as Title IX and the Civil Rights of 1994 on sport law.

**3 semester hours**

**320 Administration and Governance of Sports Organizations**

Explores the theory and practice of sport organizations and their various governance structures authority, functions and requirements for membership. Organization theory is presented in the context of sport organizations that regulate high school athletics, intercollegiate athletics, state, nationals, and international amateur sport, and professional sport.

**3 semester hours****330 Marketing, Advertising and Public Relations for Sport Management**

This course is designed to help prepare undergraduate students for sports marketing roles in the profession. As sports marketing matures daily with societal demands of the sport product, technological advances, and different cultures consuming sport, students will be prepared for differing trends in sports marketing, public relations, and advertising. Hands-on projects will help the students apply the techniques learned along with preparing them to work collaboratively in the sport management field.

**3 semester hours****340 Budget and Finance of Sport Management**

Basic theory in finance and accounting applied to managerial control of sport organizations. Includes forms of ownership, taxation, financial analysis, feasibility studies, and economic impact studies.

**3 semester hours****400 Management of Sport Organization and Program Planning**

Students will learn to enhance individual, group and community Sports Management experiences by integrating leadership skills and group dynamics techniques with established programming principles and practice.

**3 semester hours****410 Seminar of Current Issues in Sport Management**

As an upper level seminar course, SPMT 400 will examine the current issues in sport management. Focus of the course will be guided by current trends in the sociology of sport, sport administration, sport finance, and sport management on a local, regional, national, and international level.

**3 semester hours****420 Sport Facility and Event Management**

The Event and Facility Management course examines the principles of facility operations and event management in the sport business and entertainment management industry. It focuses on the application of facility operations and event management/principles and concepts to organizations in professional and collegiate sport. The class provides students with an in-depth investigation of unique challenges and opportunities that are routinely faced by a business manager in the context of events at sport and entertainment venues.

**3 semester hours****500 Supervised Field Experience in Recreation**

Supervised recreational leadership field work in public and private recreational programs.

**12 semester hours**



**Athletic Training – Phasing Out – no new students being admitted**  
*leading to a Bachelor of Science Degree*

The Athletic Training Program is accredited through the Commission on Accreditation of Athletic Training Education (CAATE), 2201 Double Creek Drive, Suite 5006, Round Rock, Texas, 78664, <http://www.caate.net>. On graduation from the program, the graduate has completed the educational requirements to take the National Athletic Trainers' Association Board of Certification (BOC) examination.

The education program consists of two phases:

1. Athletic Training Basic Education Program (ATBEP)  
This program consists of course work and clinical observation taken during the first year. Students will use the knowledge obtained to build a foundation in the athletic training program. Also, students will learn the Alderson Broaddus University philosophy of athletic training.
2. Athletic Training Program (ATP)  
Once students have been formally admitted into the program, the last three years entail advanced, specialized courses and clinical experiences to perfect and expand the knowledge acquired in ATBEP.

**Admission Procedures**

- Program Application

Program applications are available in the Program Director's Office, and are given to students in the beginning of their freshman spring semester course, ATHL 270. Transfer students who have completed course work that covers the pre-requisite requirements for application as approved by the University's Registrar may apply at this time as well. All transfer applications are considered on an individual basis by the program director. All students are admitted to the program during the fall semester following application. Students who wish to combine athletic training with a second major in teacher education must fulfill all requirements of both the athletic training major and the teacher education program, including the specific requirements for the desired teaching field(s). This will require more than four years to complete.

- Selection Criteria and Process

As previously described the athletic training major has two phases (ATBEP and ATP). Both phases consist of formal course work and clinical observation requirements. Students must fulfill these requirements and progress from ATBEP to ATP. Admission into the program is selective and limited, and students must apply for admission. The number of students accepted into the program each year is based on the availability of clinical supervisors and quality clinical instruction. Criteria for selection include, in order of importance: cumulative grade point average, completion of academic prerequisites, copies of University transcripts for all work completed to date, written application, including three (3) letters of recommendation, interview, observation hours and CPR certification. Students apply during the spring semester of their freshman year. Transfer students must apply during the spring semester as well. To qualify for admission consideration, the student must meet the following eligibility requirements for formal admission into the ATP during the ATBEP.

Athletic Training Basic Education Program (ATBEP) requirements:



1. A cumulative grade point GPA of 2.5 or higher.

2. Completion of the following pre-requisites with no grade below a "C":

|                    |     |     |  |
|--------------------|-----|-----|--|
| Biology            | 210 | (4) | General Biology I                      |
| Health Science     | 100 | (2) | Health Care Terminology                |
| Health Science     | 261 | (1) | Strength Training and Conditioning     |
| Physical Education | 335 | (2) | Safety Education and First Aid         |
| Psychology         | 190 | (3) | General Psychology                     |
| Athletic Training  | 150 | (3) | Athletic Taping and Bracing            |
| Athletic Training  | 270 | (3) | Athletic Injury Control and Management |

3. Copies of transcripts for all work completed to date.

4. Submit a formal written application to the program director by February 15, including three (3) letters of recommendation. The application will include a one page, double-spaced, typed, written sample, addressing the following: first, the single most important attribute for an effective health care provider; and second, personal traits or attributes you possess which will allow you to become an effective health care provider.

5. Complete an interview with members of the School of Athletic Training as arranged.

6. Complete a minimum of 50 hours of directed observation by the end of the freshman year. The fifty (50) hours will be completed as partial fulfillment of Athletic Training 270, under the supervision of the Alderson Broaddus University athletic training faculty and preceptors.

7. Obtain CPR certification or re-certification.

Students will be notified of acceptance into the program no later than March 20.

#### Athletic Training Program (ATP) requirements:

Once the student has been formally admitted into the ATP, he or she will be assigned an academic advisor within the Alderson Broaddus University athletic training program faculty. Students formally begin their clinical requirements in the fall semester following acceptance into the program. To complete these clinical requirements following the academic plan, students register for an athletic training course (Athletic Training 221, 222, 323, 324, 425, 426) each semester, and are then assigned to a preceptor. Following initial acceptance into the ATP, students must meet the following criteria to remain in good standing within the program.

1. Officially declare athletic training as major.

2. Earn no grade below a "C" and maintain a minimum of a 2.75 grade point average within major course work during sophomore through senior years.

\* Note: Students that do not meet one or more of the ATP requirements will be placed on probation. Although each case is handled on an individual basis by the program director, failure to

meet the requirements may result in dismissal from the program. Students must meet the technical standards, or believe that, with certain accommodations, they can meet the standards to be admitted in to the ATP. The technical standards are explained in detail in the ATP handbook.

#### Required Courses:

|                |     |     |                         |
|----------------|-----|-----|-------------------------|
| Biology        | 210 | (4) | General Biology I*      |
| Biology        | 270 | (4) | Anatomy & Physiology I  |
| Biology        | 271 | (4) | Anatomy & Physiology II |
| Health Science | 100 | (2) | Health Care Terminology |

|                    |     |     |  |
|--------------------|-----|-----|--|
| Health Science     | 260 | (3) | Nutrition                                      |
| Health Science     | 261 | (1) | Strength Training & Conditioning               |
| Psychology         | 190 | (3) | General Psychology*                            |
| Psychology         | 220 | (3) | Human Development                              |
| Psychology         | 260 | (3) | Statistics and Data Analysis*                  |
| Physical Education | 305 | (3) | Kinesiology/Biomechanics                       |
| Physical Education | 315 | (3) | Physiology of Exercise                         |
| Physical Education | 335 | (2) | Safety Education and First Aid                 |
| Athletic Training  | 150 | (1) | Athletic Taping and Bracing                    |
| Athletic Training  | 221 | (1) | Clinical Practicum I                           |
| Athletic Training  | 222 | (2) | Clinical Practicum II                          |
| Athletic Training  | 250 | (4) | Orthopedic Evaluation of the Lower Extremity   |
| Athletic Training  | 260 | (4) | Orthopedic Evaluation of the Upper Extremity   |
| Athletic Training  | 270 | (3) | Athletic Injury Control and Management         |
| Athletic Training  | 323 | (3) | Clinical Practicum III                         |
| Athletic Training  | 324 | (3) | Clinical Practicum IV                          |
| Athletic Training  | 340 | (4) | Sports Injuries & Therapeutic Modalities       |
| Athletic Training  | 370 | (4) | Rehabilitation of Athletic Injuries            |
| Athletic Training  | 400 | (4) | Sports Medicine                                |
| Athletic Training  | 401 | (1) | Research in Athletic Training                  |
| Athletic Training  | 405 | (3) | Administration in Athletic Training            |
| Athletic Training  | 410 | (1) | Test Taking Strategies for the BOC Examination |
| Athletic Training  | 425 | (3) | Clinical Practicum V                           |
| Athletic Training  | 426 | (3) | Clinical Practicum VI                          |

Among REQUIREMENTS FOR GRADUATION:

- Completion of the Liberal Studies Program

IMPORTANT: CHECK YOUR STATE REQUIREMENTS TO PRACTICE AS AN ATHLETIC TRAINER.

\*Indicates courses that also meet Liberal Studies requirements

## **Academic Facilities**

**Burbick Hall**, in addition to administrative offices, houses the Academic Center for Educational Success, Instructional Design support services, and Career Services.

The **Campus Center** includes many study areas throughout the building. On the first floor, there is a large lounge and three small study rooms. On the ground floor, there is an area in front of Jazzman's as well as a large multi-purpose room that many students utilize for study sessions. The spaces can accommodate both small groups and individuals as well as larger meetings.

**Funkhouser Auditorium**, with a seating capacity of 723, the auditorium accommodates special programs, drama and choral productions, arts series presentations, and other activities.

**Kemper-Redd Science Center** contains chemistry, biology, computer science, environmental science, mathematics classrooms and laboratories. A general lecture hall is located on the ground floor. During the summer of 2011, a four-story, 3,000 square foot mural was completed in the south stairwell of the building by Ashley Teets '12. The mural is entitled "Life" and depicts scenes throughout evolution.

**Memorial Coliseum**, with the main facility named the **Rex E. Pyles Arena**, this building provides space to support physical education activity courses, clinical courses in the athletic training, and the athletic programs.

**Myers Hall of Health Sciences** provides facilities for nursing and physician assistant studies. The three-story structure contains a lecture hall with complete audiovisual capabilities, specialized classrooms, conference rooms, offices, and skill laboratories.

**Paul Jones Hall**, Paul Jones Hall, built in 1961 originally housed 130 students on four floors. In the lobby are portraits of the late Paul W. and Merla Jones of Welch, West Virginia, outstanding Baptists and leading supporters of the University. This facility houses the College of Education and Music, including the School of Teacher Education and the School of Music, complete with offices, classrooms, and practice rooms.

**Pickett Library** provides internet access to 150,000 electronic books, 11,000 electronic journals, magazines and newspapers, and the music content of 70,000 CDs. The library also houses 40,000 books and 1,500 audio-visual items. There is seating for 200 students and there are additional group study areas within the library. The library has wireless Internet access and 32 Internet connected computers in the library.

**Whitescarver Hall**, contains the state-of-the-art simulation Lab which provides students in the health science majors the opportunity to work on iStan simulators, which are mannequins that move, breathe, live and die. The School of Athletic Training offices and classrooms are located in this facility.

**Wilcox Chapel**, seats 450 persons and is used for worship, music, religious drama, and audio-visual presentations. The Chapel building also contains a meditation chapel, a bandroom, and some classroom space.

**Withers-Brandon Hall** houses the College of Humanities and Social Sciences, as well as the College of Business and Management. In addition to general and seminar classrooms, the building houses faculty offices, art studios, radio studio, a lecture hall, and facilities for psychological research.

*See the Student Handbook for a complete list of all facilities on campus.*

## **DIRECTORIES**

### **Officers of the Board**

Ronald L. Burbick, Chair  
Rebecca A. Hooman, Vice Chair  
Harry G. "Chip" Shaffer III, Secretary  
Worth M. Helms, Treasurer

### **Board of Trustees**

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| Mrs. Rebecca A. Hooman '81                      | Wexford, PA        |
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| Mrs. Lisa Q. Lang                               | Bridgeport, WV     |
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| Mr. Harry G. "Chip" Shaffer III, Esq.           | Madison, WV        |
| Mrs. Valerie A. Woodruff '66                    | Bear, DE           |

### **Ex-Officio Member**

|  |              |
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| Dr. James "Tim" Barry, B.A., M.S., Ed.D. | Philippi, WV |
|--|--------------|

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|   |              |
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| Rev. Dr. Lawrence "Larry" O. Swain '03 Honorary | Newark, OH   |
| The Honorable Dave C. Sypolt                    | Kingwood, WV |
| The Honorable Danny R. Wagner                   | Philippi, WV |
| The Honorable Robert L. Williams                | Grafton, WV  |

## **ADMINISTRATION**

*NOTE: Year in which current period of service began is shown in parenthesis following name. Where applicable, an earlier period of service is also indicated.*

## President's Cabinet

James "Tim" Barry (2015), B.S., Ed.D.

Joan L. Propst (1982) (1994), B.S., M.S.N., Ed.D.

Bruce A. Blankenship (1993) (2011), B.A., M.Div.

Eric A. Shor (1999), B.S., M.S, Ed.D.

Dennis E. Stark (2015), B.S., M.B.A.

Andrea J. Bucklew (2012), B.S., J.D.

Dennis W. Creehan (2011), B.S., M.S., M.Ed.

Robert S. Buckingham (2015), B.S., O.D., Ph.D.

Juliet A. Spruill (2006) (2010)

Matthew J. Peloquin (2016-17)

President & Interim Vice President for  
Institutional Advancement

Provost & Executive Vice President  
for Academic Affairs

Vice President for Administration;  
Interim Dean of Student Affairs

Vice President for Enrollment  
Management

Vice President for Finance & Chief  
Financial Officer

Associate Provost

Athletic Director/Head Football Coach

Dean, College of Optometry; Faculty  
Representative

Executive Assistant to the President &  
Secretary to the Board of

Trustees and Governors

Student Government Association,  
President

## Administrative Personnel

Josh D. Allen (2006), B.S., M.S.

Carrie L. Bodkins (2005), B.A., M.A.

Edward P. Burda (1993), B.S., M.A.

Craig J. Butler (2014), B.S.

William E. Byrd (2014), B.S., M.A.

James W. Daddysman (1969), B.A., M.A., Ph.D.

Victoria L. Glasgow (2015), B.S.

Chad S. Hostetler (2010), B.A., M.A.

David E. Hoxie (1990), B.A., M.L.S.

Saundra E. Hoxie (1990), B.A., M.L.S., Hon.D.Ed.

Christy A. Mullens-Shaw (2015), B.A., M.A., M.A.

Lawrence J. Tallman (2013)

Amy L. King (2012), B.A., M.A.

Amy R. Mason (2012), B.S., M.A., Ph.D.

Julia M. Morris (1998), B.S.

Matthew R. Sisk (2013), B.A.

Erika L. Thon (2012), B.S.

Teresa D. VanAlsborg (2011), B.A.

Koreen R. Villers (2010), B.A., M.Ed.

Director of Alumni Relations

Associate Director of Athletics;  
Compliance Coordinator

Director of Campus Services

Director of Marketing and  
Communications

Director of Individual Giving and  
Liaison to Athletics

Director of the Semester in Europe  
Program

Director of Development and  
Corporate Relations

Director of Personal Counseling  
Services

Director, Library Services

Registrar/Assistant Librarian

Director of Annual Fund and  
Government Relations

Director of Facilities

Director of Financial Aid

Director of Academic Center for  
Educational Success

Director of Information and  
Research

Director of Campus Safety

Director of Admissions

Director of Career Services

Director of First Year Experience  
and Orientation;

Associate Dean of Student

Carol Weaver (1991), B.S.

### Administrative Staff

Brandon F. Allen (2015), A.S.

S. Kelly Bracey (1989), B.A.

Lora R. Bryant (2014), B.S.

Julie R. Caldwell (2015), B.S., M.A.

Molly L. Cummings (2015), B.A.

Carlee A. Dulaney (2016), B.S.

Alexandra B. Elliott (2016), B.A., M.A.

David A. Falletta (2013), B.S., M.A.

Nathan D. Fortney (2014), B.S., M.S.

Jonathan W. Hooke (2016), B.S.

Devin J. Legge (2015), B.A., M.A.

Jennifer R. Leon (2016), M.A.

Joanne S. McConnell (2013), B.S.

Roger L. McDonald (2013), B.A.

Jeffrey D. Moyer (2010), A.S.

Quentin J. Murphy (2016), B.A.

Jill M. Nussel (2015), Ph.D.

Madison H. Riffle (2016), B.A.

Emily J. Rosier (2007), B.A.

Trent D. Shaw (2016), B.S.

Chris J. Stephens (2016), B.A.

### Athletic Staff

Steve E. Baum (2014)

Angela R. Brolin (2012), B.S.

Payton S. Brooks

Kirk R. Campbell (2012), B.A., M.B.A.

Allen L. Curtiss (2014), B.A., M.Ed.

Suzie F. DeNillo

Kristi B. Dewalt

Salvatore J. Dewalt

Heath M. Duncan (2014)

Anthony S. Fairhurst

Michael J. Fink

### Affairs

Director of Informational Technology  
Services

Office of Informational Technology  
Support

Assistant to the Librarian

Assistant Director of Financial Aid

Resident Director of Priestley Hall  
and Student Activities

Coordinator

Admissions Counselor

Payroll Clerk

Resident Director of Kincaid Hall;

Greek Life and Diversity

Engagement Coordinator

Assistant Dean of Students

Instructional Designer

Sports Information Director

Resident Director, Benedum Hall;

Wellness and Intramural

Coordinator

Resident Director of Blue, Gold, and

University; Coordinator of

Orientation, Parent Programs

and Marketing

Coordinator of Donor Relations

Sim Lab Specialist/Clinical

Compliance Officer

Systems Analyst, Administrator

Admissions Counselor

International Admissions

Coordinator

WV's Promise VISTA Outreach

Coordinator

Assistant Registrar

Admissions Counselor

Admissions Counselor

Head Tennis Coach (Women)

Athletic Trainer

Head Swim Coach

Assistant Football Coach

Head Golf Coach (Men/Women)

Head Softball Coach

Head Cheer and Dance Coach

Assistant Football Coach

Head Athletic Trainer

Assistant Women's Basketball

Coach

Head Men's Volleyball Coach

Samuel T. Gardner  
Earl M. Graves  
Avery B. Hawkins  
Maria Ilic

Sara Linamood  
Chris M. Lukas (2011), B.A.  
Christian D. Materazzi (2010) (2012)  
John J. Mayer (2012)  
Tanner W. McCormick  
Jake M. Oester  
Robert J. Palmer  
Russell Scott Phipps (2014)  
Angie K. Rudy  
Adam A. Schmidt  
Soichiro Shiota  
Abby M. Stoner (2007), B.A.

Jacque N. Svadeba (2012), B.S.  
Steve J. Tierney  
Sarah L. Weaver (2005), B.S., M.S.  
Jesse D. Weiner (2011), B.S., M.S.

Brian M. Willhide  
Duncan C. Williams (2012), B.S.  
Matthew C. Yurish (2013), B.S., M.A.  
Gregory Zimmerman (2002), B.S.

### **ADMINISTRATIVE ASSISTANTS**

Judy L. Bryant (1975)

Samantha D. Croston (2011)

Bonnie F. Currence, (2010), A.A., B.A.  
Mari I. Dionne (1975) A.A.

Sharon M. Freed (2011)

Ashley N. Herrod (2016)

Karla R. Hively (2014), A.S.

Bobbi Jo Jacobs (1977)

Krista N. Kittle-Tallman (2012)  
Amy S. Lanham (2015), B.S.

Julie A. Maxwell (2012) B.S.

Theresa D. McVicker (1999)

Jennifer R. Phillips (2015), B.A.

Head Wrestling Coach  
Assistant Track Coach  
Assistant Football Coach  
Assistant Women's Basketball  
Coach  
Color Guards/Majorettes  
Assistant Men's Lacrosse Coach  
Assistant Women's Soccer  
Assistant Football Coach  
Assistant Football Coach  
Assistant Baseball Coach  
Marching Band Director  
Head Men's Soccer Coach  
Assistant Women's Lacrosse Coach  
Assistant Football Coach  
Assistant Athletic Trainer  
Assistant Women's Volleyball  
Coach  
Head Tumbling Coach  
Head Women's Basketball Coach  
Athletic Trainer  
Head Men's/Women's Cross  
Country and Track Coach  
Assistant Football Coach  
Assistant Men's Basketball Coach  
Head Baseball Coach  
Head Coach, Men's Basketball

Administrative Assistant, Provost &  
Executive Vice  
President for Academic Affairs  
Administrative Assistant, Student  
Affairs  
Administrative Assistant, Facilities  
Administrative Assistant,  
Admissions Office/  
International Student Advisor  
Administrative Assistant, College of  
Education and Music  
Accounts Payable Manager,  
Business Office  
Assistant to the Director of Alumni  
Relations and Gift Recorder  
Administrative Assistant, School of  
Physician Assistant Studies  
Work Program Coordinator  
Administrative Assistant, School of  
Nursing  
Administrative Assistant to the  
Registrar  
Student Accounts Manager/Perkins  
Loan Officer  
Advancement Associate

---

|                              |  |
|------------------------------|--|
| Jennifer L. Propst (2013)    | Assistant Clinical Coordinator,<br>School of Physician Assistant<br>Studies                            |
| Carla R. Rogers (2001), A.S. | Administrative Assistant, Athletic<br>Department   |
| Traci N. Shaffer (2005)      | Administrative Assistant, Colleges<br>of Humanities and Social<br>Science & Business and<br>Management |
| Kimberly D. Seech (2014)     | Administrative Assistant,<br>Admissions Office   |
| Kelly L. Shiflett (2015)     | Counselor, Financial Aid   |
| Rana L. Smith (2010)         | Administrative Assistant, Vice<br>President for Enrollment   |
| Connie D. Stewart (2010)     | Administrative Assistant, College of<br>Science, Technology and Math                                   |
| Tammy J. Tallman (2013)      | Administrative Assistant, V.P. for<br>Administration and Finance                                       |
| Lori L. Wetzel (2004)        | Administrative Assistant, Bookstore;<br>Post Office  |



## FACULTY EMERITI

Alma J. Bennett (1981-2002)  
Professor Emerita of Theater  
B.S., M.A., West Virginia University  
Ph.D. Kent State University

Roland V. Blosjo (1965-1978)  
Associate Professor Emeritus of Modern  
Languages  
B.S., University of Minnesota  
M.A., University of California, Berkeley

Jack A. Clinard (1964-1985) Professor  
Emeritus of Music  
B.A., University of North Carolina  
M.M., Ph.D., West Virginia University

James W. Daddysman (1969) Professor  
Emeritus of History  
B.A., Columbia Union College  
M.A., Ph.D., West Virginia University

Robert V. Digman (1954-1965) (1965-1996)  
Provost Emeritus, Professor Emeritus of  
Chemistry  
B.S., Alderson-Broaddus College  
M.S., University of Maine  
Ph.D., Pennsylvania State University  
Institute for Academic Management,  
Carnegie-Mellon University

Charles L. Ervin (1967-1997)  
Professor Emeritus of Music  
B.A., Mount Union College  
M.F.A., Ohio University  
D.Mus.Ed., West Virginia University

Ione Dunn (1955-1983)  
Administrative Assoc. and Asst. Professor  
Emerita of Business Admin.  
B.A., West Virginia University  
M.ED., University of Pittsburgh Graduate  
Study, University of Minnesota and  
University of Virginia

Donald W. Eyler, Jr. (1969-1994)  
Associate Professor Emeritus of Sociology  
B.A., Bridgewater College  
M.A., West Virginia University

Bill G. Fowler (1970-1996)  
Professor Emeritus of Religion and  
Philosophy  
B.A., University of Oklahoma  
B.D., Southwestern Baptist Theological  
Seminary  
Th.D., Iliff School of Theology

Nicholas G. Loudin  
Professor Emeritus of Mathematics and  
Physics  
B.S., Davis & Elkins  
M.S., West Virginia University  
Ed. D., West Virginia University

Betty Jo Marteney (1966-1988)  
Associate Professor Emerita of Education  
B.A., Alderson-Broaddus College  
M.A., and Graduate Study, West Virginia  
University

Robert E. Maruca (1972-1997)  
Professor Emeritus of Chemistry  
B.S., West Virginia Wesleyan  
Ph.D. Cornell University

Leah A. Richards (1966-1990)  
Associate Professor Emerita of Literature  
and Writing  
B.A., Davis & Elkins College  
M.A., West Virginia University  
Graduate Study, University of Chicago and  
University of Denver

Martha Rose Roy (1974-1991)  
Registrar Emerita  
B.S., Alderson-Broaddus College  
M.A., West Virginia University

N. Jean Roy (1957-79) (1987-1993)  
Professor Emerita of Nursing  
B.S., Alderson-Broaddus College  
M.A., Ed.D., West Virginia University  
Hon.D.Nurs., Alderson Broaddus University

Barbara F. Sims (1959-2013)  
Professor Emerita of Communication  
B.A., Fairmont State College  
M.A., West Virginia University  
Hon.D.Hum., Alderson Broaddus University

Barbara A. Smith (1960-1996)  
Professor Emerita of Literature and Writing  
B.A., Carroll College  
M.A., University of Wisconsin  
Graduate Study, University of Minnesota,  
West Virginia University, and American  
University  
Hon.Litt.D., Alderson Broaddus University

Marija V. Sommer (1969-2004)  
Associate Professor Emerita of Music  
Certificate, Conservatory of Zagreb,  
Yugoslavia M.M., West Virginia University

C. Everett Sperry (1948-50) (1955-  
87) Associate Professor Emeritus of  
Mathematics  
B.S., Salem College  
M.S., West Virginia University  
Graduate Study, University of Pittsburgh;  
Rutgers University; and  
Universities of Wyoming, Missouri and  
Oklahoma

Daniel R. Unger (1967-1997)  
Professor Emeritus of Religion and  
Philosophy  
B.A., Eastern Baptist College  
B.D., Eastern Baptist Theological Seminary  
M.Ed., Ph.D., University of Pittsburgh

Richard E. Wonkka (1956-1958) (1965-  
1996) Professor Emeritus of Chemistry  
B.S., Alderson-Broaddus College  
M.A., Dartmouth College  
Ed.D., University of Virginia

Kenneth H. Yount (1974-2012)  
Professor Emeritus of Political Science and  
History  
B.A., Alderson-Broaddus College  
M.R.E., Pittsburgh Theological Seminary  
Ph.D., West Virginia University  
Graduate Study, University of Pittsburgh

## **FACULTY AND STAFF**

Related to Instructional Service:

NOTE: Year in which current period of  
service began is shown in parentheses  
following name. Where applicable, an  
earlier period of service is also indicated.

## **UNDERGRADUATE FACULTY:**

### **Full-Time**

Tamanna R. Ahmed (1991)  
Associate Professor of Chemistry  
M.S., Dacca University  
M.S., Auburn University

Michael P. Bobic (2015)  
Assistant Professor of Political Science  
B.A., Berea College  
M.A., Ph.D., University of Tennessee

Michael J. Boehke (1999)  
Associate Professor of Athletic Training;  
Chair, School of Athletic Training and  
Exercise Science  
B.S., Waynesburg College  
M.S., California University of Pennsylvania  
Ed.D., West Virginia University

Ross A. Brittain (2012)  
Assistant Professor of Environmental  
Science; Dean, College of Science,  
Technology and Mathematics  
B.A., M.S.E.S., M.P.A., Ph.D., Indiana  
University

Constance Brown (2016)  
Assistant Professor of Environmental  
Science  
Ph.D., McGill University  
M.Sc., McGill University  
B.A. (Hons.), University of Windsor

Jeffrey T. Bush (2013)  
Assistant Professor of Education; Chair,  
School of Teacher Education  
B.S., State University of New York  
M.A., Ed.D., West Virginia University

Denise L. Campbell (2015)  
Assistant Professor of Nursing  
B.S.N., Alderson Broaddus University  
M.S.N., Marshall University

Yi Charlie Chen (2000)  
Professor of Biology  
B.S., M.S., Zhejiang University, China  
M.S., Ph.D., Washington State University

John J. Davies (2015)  
Assistant Professor of Communication and Journalism  
B.A., University of Alberta  
M.A., Brigham Young University  
Ph.D., University of Alabama

Philip Fetty (2016)  
Assistant Professor of Sport Management  
M.S., West Virginia University  
B.S., Fairmont State University

Kelley L. Flaherty (2014)  
Assistant Professor of Biology  
B.S., GIS Certificate, The Pennsylvania State University  
M.S., California University of Pennsylvania  
Ph.D., West Virginia University

Richard T. Foley (2013)  
Assistant Professor of Business; Dean,  
College of Business and Management  
B.S., Indiana University of Pennsylvania  
M.B.A., Duquesne University

Danny L. Franke (1996)  
Professor of Religion and Philosophy;  
Adjunct Lecturer of Physician Assistant  
Studies  
B.A., Baylor University  
M.Div., Southwestern Baptist Theological  
Seminary  
Th.M., Princeton Theological Seminary  
Ph.D., University of Tennessee

Margaret M. Gault (2004)  
Assistant Professor of Education  
B.S., Mansfield University  
M.A., West Virginia University

Sobha Gorungantula (2009)  
Associate Professor of Chemistry  
B.S., M.S., Andhra University  
Ph.D., West Virginia University

Lewis R. Hall (2001)  
Assistant Professor of Music  
B.A., Alderson-Broaddus College  
M.A., Texas Women's University

Reid E. Harward (2014) (Interim)  
Assistant Professor of Art  
B.A., Berea College  
B.F.A., M.A., West Virginia University

John D. Hicks (1997)  
Associate Professor of History and Political  
Science  
B.A., Alderson-Broaddus College  
M.A., Marshall University

Jacob Hill (2015)  
Visiting Instructor of Athletic Training  
B.S., Alderson Broaddus College

Valarie A. Huffman (2015)  
Assistant Professor of Music  
B.A., Fairmont State College  
M.M., Ohio University  
D.M.A., University of Missouri – Kansas  
City

William B. Klaus (2000)  
Assistant Professor of History  
B.A., Alderson-Broaddus College  
M.A., John Carroll University

J. D. Long (1994)  
Assistant Professor of Education;  
Assistant to the Athletic Director for Game  
Management  
B.A., Alderson-Broaddus College  
M.A., Salem International University  
Hon. D.Ed., Alderson Broaddus University

Lillian F. Long (1986)  
Associate Professor of Music  
B.S., Manchester College  
M.M., University of Akron  
M.M., University of Illinois at Urbana-  
Champaign  
H.D.Mus., Alderson Broaddus University

Brenda A. Mason (2004)  
Professor of Nursing  
B.S., Alderson-Broaddus College  
M.S.N., West Virginia University  
D.N.P., University of Alabama

Kari L. Maxwell (2013)  
Assistant Professor of Psychology  
B.A. West Virginia Wesleyan College  
M.A., West Virginia University

Elizabeth H. McComas (1990)  
Assistant Professor of Business  
B.S., Alderson-Broaddus College  
M.B.A., West Virginia Wesleyan College  
C.M.A., C.F.M., C.P.A.

Scarlett McGlumphy (1984)  
Associate Professor of Foreign Languages  
and English  
B.A., M.A., West Virginia University

Kayla A. McKinney (2015)  
Assistant Professor of English  
B.A., Bethany College  
M.A., Ph.D., West Virginia University

Valerie P. Nussear (1984)  
Professor of Psychology  
B.A., M.A., Ph.D., West Virginia University

James M. Owston (2014)  
Associate Professor of Mass  
Communication; Dean, College of  
Humanities and Social Science  
B.Th., B.A., Kentucky Christian University  
B.S., B.S., Mountain State University  
M.A., West Virginia Graduate College  
M.A., West Virginia University  
Ed.S., Ed.D., Marshall University

Amanda D. Poling (2015)  
Instructor of Nursing  
B.S.N., Alderson-Broaddus College  
M.B.A., Western Governor's University

Daniel A. Propst (2014)  
Assistant Professor of English  
B.A., Alderson-Broaddus College  
M.F.A., West Virginia Wesleyan College

Irina V. Rodimsteva (2012)  
Assistant Professor of English (Interim)  
M.A., Leningrad State University  
Ph.D., West Virginia University

Alice M. Rosanski (1995)  
Assistant Professor of Nursing  
B.S., Alderson-Broaddus College  
M.S.N., West Virginia University

Marsha R. Sarver (2013)  
Assistant Professor of Education  
B.S., Ohio State University  
M.Ed., Ashland University

Atef Shalan (2015)  
Assistant Professor of Computer Science  
B.Sc., Ain Shams University  
M.Sc., Lakehead University  
Ph.D., Queen's University

Jessica A. Spruill (2015)  
Assistant Professor of English  
B.A., Alderson-Broaddus College  
M.F.A., West Virginia Wesleyan College

Adam Starks (2016)  
Assistant Professor of Business  
B.S., Eastern Mennonite University  
M.B.A., Strayer University  
Ph.D., Capella University

Jacob S. Steele (2015)  
Assistant Professor of Computer Science  
B.S., West Virginia University  
M.CS., University of Virginia

Sarah E. Stevens (2006)  
Assistant Professor of Mathematics  
B.A., Glenville State College  
M.A., West Virginia University

F. Joseph Super (2014)  
Associate Professor of Education; Dean,  
College of Education and Music  
B.A., M.A., State University of New York  
Ed.D., West Virginia University

Kimberly L. White (2014)  
Assistant Professor of Nursing, Chair,  
School of Nursing  
B.S.N., Alderson-Broaddus College  
M.S., M.S.N.-N.A., Marshall University

Jill S. Weingart (2006) (2016)  
Assistant Professor of Nursing  
B.S.N., Alderson-Broaddus College  
M.S.N., Marshall University

Kimberly D. Wilkie (2004)  
Assistant Professor of Speech and Writing  
B.A., Davis & Elkins College  
M.A., West Virginia University

Kristen A. Winter (2011)  
Assistant Professor of Biology  
B.A., B.S., High Point University  
Ph.D., University of Kentucky

Igor Woiciechowski (2009)  
Associate Professor of Mathematics  
B.S., M.S., Tashkent Technical State  
University  
Ph.D., Arikov Institute

Jonathan Wolf (2016)  
Assistant Professor of Criminal Justice  
B.A., The Pennsylvania State University  
M.C.J., Boston University  
D.Ed., Indiana University of Pennsylvania

Jonathan L. Villers (2011)  
Adjunct Lecturer of Computer Science  
B.S., Alderson-Broaddus College  
M.Div., The Eastern Baptist Theological  
Seminary

Shannon Wolfe (2016)  
Assistant Professor of Criminal Justice  
B.S., M.P.A., J.D., West Virginia University

L. Joyce Wilson (2013)  
Adjunct Lecturer of Nursing  
A.S., Davis & Elkins College  
B.S.N. Alderson-Broaddus College  
M.S.N., University of Pittsburgh

### **Part-Time:**

Teresa D. Betler (2014)  
Adjunct Lecturer in Reading; Supervisor,  
Writing Lab  
B.S., M.Ed., Grand Canyon University

Kristian D. Claus (2015)  
Adjunct Lecturer in College of Science,  
Technology and Mathematics  
B.S., Embry-Riddle

Gregory J. Cosgrove (2014)  
Assistant Professor of Business  
B.S., West Virginia University  
M.A., Webster University

Heather M. Cottrill (2011)  
Adjunct Lecturer of Music  
B.A., SUNY Fredonia  
M.M., West Virginia University

Kim M. James (2014)  
Assistant Professor of Business  
B.A., Columbia College  
M.A., Nova Southeastern University  
Ph.D., University of the Cumberlands

Deborah H. Super (2015)  
Adjunct Lecturer of Teacher Education  
B.A., M.A., West Virginia University  
M.A., Marshall University

Matthew Swallow (2016)  
Adjunct Lecturer of Music  
B.A., Slippery Rock University  
M.M., Miami University

John H. Vaughan (1990)  
Adjunct Lecturer of Music  
B.A., Salem College  
M.A., West Virginia University

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