



# Union College

## 2020–2021 Undergraduate Catalogue

Edna Jenkins Mann School of Nursing  
School of Health and Natural Sciences  
School of Humanities and Social Sciences  
School of Professional and Graduate Studies

## **DISCLAIMER**

While this catalogue was prepared based on the best information available at the time of publication, all information—including statement of fees, course offerings, admission, and graduation requirements—is subject to change without notice or obligation. Full-time students continuously enrolled at Union College ordinarily may expect to graduate under the requirements stipulated in the catalogue under which they entered. Students failing to enroll for a period longer than two years will fall under the catalogue in effect when they return to full-time status. Students may appeal to the Vice President of Academic Affairs for exceptions to this policy. Failure to read this bulletin does not excuse the student from the requirements and regulations described herein.

It is the policy of Union College to admit students based on merit, qualification, and character. Such policy does not discriminate on the basis of sex, race, color, disability, age, national or ethnic origin, religion, sexual orientation, or veteran status in the admission of students, in its administration of educational or national programs, scholarships, loan programs or other school-administered programs, or in athletic participation. Inquiries should be directed to the Business Office.

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# Table of Contents

<b>Union College Overview</b>	<b>4</b>
<b>Mission and Vision Statement, History of Union College</b>	<b>5</b>
<b>Core Values, Academic Code of Honor, Student Code of Conduct</b>	<b>6</b>
<b>Inclement Weather Policy</b>	<b>7</b>
<b>Admissions Information</b>	<b>8</b>
<b>Campus Community</b>	<b>12</b>
<b>Financial Information</b>	<b>15</b>
<b>Academic Information</b>	<b>22</b>
<b>Portfolio and Credit for Prior Learning</b>	<b>33</b>
<b>College Level Examination Program (CLEP) Equivalencies</b>	<b>34</b>
<b>Liberal Education Core</b>	<b>35</b>
<b>Liberal Learning Outcomes</b>	<b>37</b>
<b>2020-2021 Curriculum</b>	<b>38</b>
<b>Academic Programs</b>	<b>40</b>
<b>Online Academic Programs</b>	<b>94</b>
<b>Course Descriptions</b>	<b>96</b>
<b>Trustees and Administration</b>	<b>154</b>

# Union College Overview

## **Founded**

1879

## **President**

Dr. Marcia Hawkins

## **Overview**

Union College, in Barbourville, Kentucky, is passionate about serving its students and the region it calls home. We strongly support a diverse academic environment built upon a liberal arts foundation and integration of higher order thinking into all our learning. We encourage civic engagement and service learning throughout the communities we serve. Union strives to celebrate our Appalachian heritage and welcomes an environment where the people of this area and their traditions are made an integral part of the institutional mission. Each person that steps onto the Union campus becomes part of our family and we commit to foster those relationships for generations to come. That is our passion, our inspiration, and our pledge to you.

## **Location**

The main campus is in Barbourville, KY

## **Accreditation**

Union College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award degrees at the following levels: Undergraduate Certificate, Associate, Baccalaureate, Post-Baccalaureate, Master, and Education Specialist. Questions about the accreditation of Union College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on the SACSCOC website ([www.sacscoc.org](http://www.sacscoc.org)). All other inquiries should be made directly to Union College: 310 College Street, Barbourville, KY 40906 (606) 546-4151, [www.unionky.edu](http://www.unionky.edu). (Toll free line to Union College Admissions Office: (800) 489-8646.)

Union College is accredited by the Kentucky Education Professional Standards Board and approved by the University Senate of the United Methodist Church.

Union College is also accredited by the following:

The baccalaureate degree program in nursing at Union College is accredited by the Commission on Collegiate Nursing Education, 655 K Street NW, Suite 750, Washington, DC 20001, (202) 887-6791.

Initial and advanced education licensure programs are accredited by the Division of Educator Preparation of the Kentucky Education Professional Standards Board, 300 Sower Blvd., Frankfort, KY 40601, (502) 564-4606.

Initial and advanced education licensure programs are approved as pre-candidates for certification by the Council for Accreditation of Educator Preparation, 1140 19th Street, Suite 400, Washington, DC 20036, (202) 223-0077.

Union College is authorized for operation as a postsecondary education institution by the Tennessee Higher Education Commission. To view a list of the Authorized Postsecondary Institutions, please visit the website of the Tennessee Higher Education Commission.

## **Degrees**

Associate of Science, Bachelor of Arts, Bachelor of Science, Bachelor of Science in Nursing, Master of Arts, Master of Business Administration, Master of Science, Education Specialist

# Mission and Vision Statement

## Mission Statement

To serve the academic needs of a diverse community of undergraduate, graduate, and continuing education students in a dynamic, personal environment that promotes intellectual, spiritual, and physical enrichment of students, faculty, and staff and the economic growth and health of our Appalachian region.

## Vision Statement

Union College is a nationally known community of learners whose graduates are distinguished contributors to the well-being of the individual, the economy, and the environment.

# History of Union College

Since its origin in 1879, Union College has ignited students from throughout Appalachia, and all over the country, with a collegiate experience to ensure lifelong success. Union is grounded by four pillars that define our focus as an academic institution: service to each other and our communities; our Appalachian culture and heritage; our core affiliation with Methodism and the liberal arts academic experience. The four pillars highlight Union's strengths, values, mission and identity.

Union serves each of its students with a sincere commitment to strengthen those pillars, to spark passion and inspire lifelong learning in all they do. More than 70 percent of our students call Kentucky home, many of which are first generation college students. That special connection to the families we serve, and whose lives we help change, are valued by every staff and faculty member on campus.

The connection is further evident in our trustees' commitment to generations of Union students with assurance that 100 percent of our students receive grants and scholarships to alleviate concerns of financing a liberal arts education.

We encourage all of our students to find the warmth that comes in sharing our Appalachian culture and traditions – to find the peace that comes with a breath of mountain air while enjoying our natural surroundings; to kindle the bonds of friendship created here to last a lifetime and to light up the classroom with an enthusiasm for learning and a bright vision of their future.

Union College students want to change their worlds, to improve not only their lives and futures, but also their families' circumstances and their communities. Doing that takes drive, strength, and faith.

# Core Values : C.I.R.C.L.E.S

## Celebration

We celebrate the unique gift each brings to our community and the successes of each person. We look for and recognize promise in others, in ourselves, in our region, and in the world.

## Integrity

We strive to do what is right. We promote integrity and collaboration by actively listening, sharing information, and being honest.

## Responsibility

We take responsibility for our own success and failure and for our role as global citizens.

## Civility

We advocate civility in all our interactions. We show respect for each other and hold ourselves and others accountable.

## Lifelong Learning

We embrace the love of discovery and foster collaborative, connected, and active lifelong learning.

## Engagement

We promote leadership and service as our civic responsibility. We strive to become servant-leaders. We honor, and are active participants in, the life of our home region and beyond.

## Spirituality

We encourage the spiritual quest. We challenge each other to discover, intellectually articulate, and embrace a life-affirming spiritual faith and/or philosophy of life.

## C.I.R.C.L.E.S. Ceremony and Tradition

New students begin their journey at Union College with a ceremony that outlines each of the College's core values and culminates in a faculty, staff, or community member presenting each one with a medallion. As they prepare to graduate, students complete the circle by presenting the medallion to someone who encouraged and supported them during their college career.

# Academic Code of Honor

Union College expects a high standard of academic integrity from all members of the campus community. Academic dishonesty, such as plagiarism, unauthorized collaboration, or cheating undermines trust and the academic integrity of each student and of the institution. This violates the spirit of a learning community and will not be tolerated. Learn more about Academic Integrity in the Academic Program section.

# Student Code of Conduct

The opportunity to become a member of the Union College community is not afforded to just anyone. The expectations are high, and it is important that each member of the community strive toward maintaining that tradition by modeling and empowering others to be honest and respectful, and to commit to personal responsibility in all relationships. The complete texts for the College's social and academic conduct codes are printed in the student handbook. The Vice President of Academic Affairs is the chief academic discipline officer for the College while the Dean of Students serves as chief judicial officer for social and community discipline.

# Inclement Weather Policy

For information about weather delays or closures, please use one of the resources listed below. Each will be updated or notified by 6:30 am for day classes or 3:00 pm for evening classes, per our inclement weather policy.

## Monday/Wednesday/Friday

### **Normal Class Time:**

8:00-8:50  
9:00-9:50  
10:00-10:50  
11:00-11:50  
12:00-12:50  
1:00-1:50  
1:00-3:00 Labs  
2:00-2:50  
2:00 Labs as needed  
3:00-3:50

### **Delayed Schedule:**

10:00-10:40  
10:50-11:30  
11:40-12:20  
12:30-1:10  
1:20-2:00  
2:10-2:50  
2:10-3:30  
3:00-3:40  
3:00 Labs as needed  
3:50-4:30

## Tuesday/Thursday

### **Normal Class Time:**

8:00-9:20  
8:00-10:20 Labs  
9:30-10:20  
10:30-11:50  
12:00-1:20  
1:30-2:50  
2:00 Labs as needed  
3:00-4:20

### **Delayed Schedule:**

10:00-11:00  
10:00-12:00 Labs  
11:10-12:00  
12:20-1:20  
1:30-2:30  
2:40-3:40  
3:00 Labs as needed  
3:50-4:50

Visit either the official Union College Facebook or Twitter page to read about any inclement weather notifications and updates; check your Union email for inclement weather notifications; or call the Union College Hotline - (606) 546-1790 - to hear a recording about any inclement weather notifications.

It is Union College policy to send emergency notifications, including inclement weather notifications, as text messages to cellular devices for all students on campus. More information about this service can be found at [www.unionky.edu/alerts](http://www.unionky.edu/alerts).

# Admissions Information

Union College provides admission/enrollment services that embrace the spirit of the core values: Celebration, Integrity, Responsibility, Civility, Lifelong Learning, Engagement, and Spirituality. Enrollment decisions are based on a student's potential to succeed and contribute to the Union College community through academic, social, and civic involvement. Union College is committed to serving all students with equal opportunity to apply, pursue, and obtain a high-quality education with standards that are clearly defined and a process that is highlighted by Union's commitment to personal attention.

Union College Application for Admission can be submitted:

## **Union College Office of Admissions**

310 College Street, Box 5

Barbourville, KY 40906

Phone: 606-546-1750

Toll Free: 1-800-489-8646

Fax: 606-546-1769

Email: [enrollme@unionky.edu](mailto:enrollme@unionky.edu)

Website: [unionky.edu](http://unionky.edu)

Union College processes applications on a rolling admission. An application is considered for admission once all required items have been received. Certain degree programs/departments may require a separate application and admission criteria. Admission to Union College does not grant automatic admission into all degree programs.

## **Applying as a First-Year Student**

Students who have graduated from high school or received a GED certificate but have not attended any college or university are considered first-year students.

## **Requirements to Complete the Admission Process**

- A completed application for admission.
- An official high school transcript computed on a 4.0 scale or official GED score report form.
- An official ACT or SAT I score. (Standardized test scores are not required for students twenty-three [23] or older.)

## **Standards for Full Admission**

- Students may be accepted to Union College at any time during their senior year, so students are strongly encouraged to apply early. All students admitted pending completion of their high school program are required to submit an official final high school transcript before any admission is final.
- Must have graduated, or will have graduated before time of enrollment, from an accredited high school and earned a minimum cumulative high school grade point average (GPA) of 2.0 on a 4.0 scale.  
Or
- Must have received a General Equivalency Diploma (GED).
- Must have submitted a minimum ACT composite score of seventeen (17) or an SAT combine score of nine hundred thirty (930) on the Critical Reading and Mathematics components of the exam.
- Must have the required twenty-two (22) high school credits as required by the Kentucky Pre-College Curriculum.

We recommend English (four [4] units), Mathematics (three [3] units), and Laboratory Science (two [2] units). In addition, the study of a foreign language is recommended.



Applicants authorize the release of their high school transcripts by signing the application; however, it is the student's responsibility to contact his/her high school to request that a complete official final transcript be sent to the Union College Office of Admissions.

### **Applying as a First Year Home-School Applicant**

Union College welcomes applications for admission from students who have completed their secondary school education in a home-schooled environment.

### **Requirements to Complete the Admission Process**

- A completed application for admission.
- Official ACT or SAT score report forms, submitted directly from the testing agency.
- Complete and notarized secondary school record and transcripts (including a grading scale).
- The academic calendar (August/September, May/June, or other) outlining student's attendance.
- One letter of recommendation speaking to the student's academic promise.

### **Standards for Full Admission**

After submitting additional requirements for the admissions process, the same standards for full admission are required as for any first-year student (previously listed).

### **Applying as a Transfer Student**

Students applying for admission to Union College who have received college credit from other colleges or universities after graduating from high school are considered transfer students.

Students transferring to Union while in their first semester at another institution may be accepted based upon their high school transcript and their ACT, SAT, KYOTE, or COMPASS test scores.

### **Requirements to Complete the Admission Process**

- A completed application for admission.
- Official transcripts from all colleges/universities attended.
- An official high school transcript if the student has completed fewer than twenty-four (24) semester hours from a regionally accredited institution.
- An official ACT or SAT I score if the student has completed fewer than twenty-four (24) semester hours from a regionally accredited institution.

### **Standards for Full Admission**

- Must be in good standing and eligible to return to previous institution.
- Prospective transfer students who do not meet the expected requirements will be reviewed by the Admissions Committee on an individual basis to determine acceptance. The Admissions Committee reserves the right to accept students on a conditional basis or to deny admission.
- Union College will record a summary of transfer credits, indicating the total number of hours accepted. Union accepts only transfer work in courses with a grade of "C" or above.
- Eighty-one (81) semester hours is the maximum number of hours that will be accepted from a two-year institution.
- A student transferring from a four-year institution must satisfactorily complete thirty (30) hours at Union College before being eligible for graduation.
- Transfer credits will be accepted at the level of the initiating institution. Therefore, a student transferring from a two-year institution must accumulate thirty-nine (39) semester hours of upper division credits while a student at Union College before being eligible for graduation.

### **Applying as an International Student**

Students applying for admission to Union College who are not citizens of the United States and who are not classified by the Immigration and Naturalization Service (INS) as residents of the United States are considered international students.

## Requirements to Complete the Admission Process

- A completed application for admission.
- A non-refundable \$100 application and processing fee.
- Official copies of ACT and/or SAT I scores.
- Student-athletes who completed their education outside the U.S. must have their credentials evaluated by the NAIA InCred program which will provide Union College an official evaluation of academic equivalence. More information is available at [www.InCredEvals.org](http://www.InCredEvals.org). General students (non-athletes) must have their credentials evaluated by World Education Service (WES) ([www.wes.org](http://www.wes.org)).
- Official statement of financial support form (provided by Union College), serving as evidence that the student's family or sponsors has the necessary financial support throughout his/her studies at Union College.
- English language proficiency is required for all international students. All international applicants whose home country's primary language is not English must submit one of the following:
  1. Official TOEFL score.
  2. Completion of approved ESL English language program.
  3. A bachelor's or master's degree is confirmed on an official transcript from an accredited four-year college or university in the U.S.
  4. Show evidence satisfying all requirements for freshman composition with a grade of "C" or better from an accredited college or university in the U.S.

English language proficiency is subject to review by the Admissions Office or the Enrollment Review Committee.

- When an international applicant has been admitted, the College will submit the form I-20. Students using an I-20 issued by Union College are obligated to attend Union College for at least one academic year. The student must be on campus no later than the first day of classes and must remain a full course of study (at least 12 semester hours per semester).

## Standardized Tests

Information about the ACT and SAT is available in the Office of Admissions, including a schedule of test dates and locations. All applicants requiring a test score for admission should have their test results forwarded to Union College. The Union College ACT code is 1552, and the SAT I code is 1825. We currently do not require or consider the writing assessment for either the SAT or ACT.

## To Complete Final Admission

After official notification of acceptance to the College, all new students are required to complete the following steps:

- A final official transcript must be received. It is the student's responsibility to contact his/her high school or last attended college/university to request that a complete, official, final transcript be sent to the Union College Office of Admissions.
- Summer Orientation. A one-day summer orientation program is required for all new students. The registration session is designed to help students make a successful transition to Union College, and includes academic advising, class registration, and financial aid counseling. A one-time orientation fee of \$75 is charged for all new incoming students.
- On Campus Housing. A housing deposit of \$100 is required for those who wish to live on campus to ensure placement in on-campus housing.

# Admission Information for Other Programs

## Visiting Students

A student attending another college or university may apply as a visiting student to Union College for a specific period.

## Requirements to Complete the Admission Process

A completed application for admission. Since visiting students are not pursuing a degree from Union, they are not eligible to receive financial aid through Union College.

## High School Special Program

Juniors and seniors in high school may attend classes at Union College. Students may only enroll for a maximum of six (6) hours in one term.

## Requirements to Complete the Admission Process

- A completed application for admission.
- Submit an official high school transcript to show the student has earned a “B” average.
- Submit an ACT/SAT score to show student has scored at least an eighteen (18) composite and sub-scores that indicate college readiness.
- Participation is limited to students who have not previously taken classes at Union College.

## GED Acceptance

An applicant may be admitted with a GED high school equivalency score report form, based on the minimum requirements recommended by the American Council on Education (ACE). See guidelines above for applying as a first-year student.

## Advanced Placement

Students who have scored at least a three (3) on one or more of the AP tests may receive credit and/or advanced placement for their test scores. The Office of the Registrar will determine the credit and/or placement to be awarded.

## International Baccalaureate

Union College recognizes International Baccalaureate (IB) level work in the admission process and will grant credit for examination scores of 4 or better on higher level courses only. IB Certificate recipients will receive one (1) course credit (3 semester hours) for each higher-level score of 4 or better. No credit is given for Subsidiary level examinations.

# Campus Community

## Student Development Office

The mission of the Student Development office is to build a learning environment that encourages and challenges students. The Student Development staff is committed to providing outstanding services to the campus community that focuses on student learning initiatives such as leadership development, service, teamwork, and personal and community development. A comprehensive student handbook serves as companion to this catalogue. The handbook is available on the College's website.

## Confirmation

All students are required to confirm their registration at the beginning of the fall and spring semesters. Several days are made available at the beginning of the fall and spring terms to confirm registration. Any student who fails to confirm his/her registration within the specific time frame will be withdrawn from classes and a \$100 late confirmation fee will be assessed.

As an added convenience during confirmations, students may get identification cards, parking permits, email address, campus mailbox, etc.

## Student Organizations

The College has student organizations that provide leadership and learning opportunities. Organizational interests include academic support and recognition (honor societies), community service, campus programming and activities, resident life, student government, spiritual development, wellness, wilderness/environmental, band, vocal, and theatrical.

## Intercollegiate Athletics

Union College is a member of the Appalachian Athletic and Mid-South Conferences and the National Association of Intercollegiate Athletics (NAIA). The Union College Athletic Department is committed and focused on the retention and graduation of all student athletes. The guiding principle of the athletic department is to operate in a first-class manner while taking pride in the equality of all athletic programs. Union College Athletics emphasizes the core values of the NAIA's Champions of Character Program (respect, responsibility, integrity, servant leadership, and sportsmanship) within the department. Union encourages student athletes to pursue excellence and develop the mental, physical, and technical skills to achieve lifelong academic and athletic success.

The College sponsors competitive intercollegiate sports for men and women. Women's sports include archery, basketball, bowling, cross country, cycling, golf, soccer, softball, swimming and diving, tennis, track and field, and volleyball. Men's varsity teams compete in archery, baseball, basketball, bowling, cross country, cycling, football, golf, lacrosse, swimming and diving, tennis, and track and field. Additionally, Union sponsors co-ed varsity cheerleading as well as various junior varsity teams for men's and women's sports.

## Intramural Activities

The College strives to maintain a "sports for all" intramural program. Activities include flag football, basketball, sand volleyball, indoor soccer, softball, table tennis, video games, volleyball, and more. The intramural organization is, in general, made up of men's, women's, and co-ed independent teams. The program includes both team and individual sports. Everyone is urged to take part.

## Campus Life

Students are encouraged to consider the many options for intellectual, spiritual, social, service, and physical activity as vital opportunities for developing range in personal development. Students are also urged to seek a healthy balance in their campus involvement in order to maintain high performance and success levels. Student Development, in partnership with campus-wide organizations, is responsible for planning, initiating and producing a comprehensive program of student social, educational, and recreational activities.

## **Health Services**

The College, by special arrangement with the Knox County Health Department, maintains a Student Health Center on campus. Students with special needs should contact the Associate Dean of Student Success for information on available services. Special physical challenges, AIDS, TB, or special psychiatric history are examples of circumstances that may require special management response and support from the College. Confidentiality will be strictly observed. This requirement is created in the interest of assuring clear access, safety, and enjoyment of the campus by each member of the campus community.

## **Campus Housing**

There are a variety of housing options available to Union College students. For freshman residents, the College provides traditional double occupancy rooms. Upper class students have a variety of housing options to choose from including suite-style apartments, single room apartments, and houses.

## **Housing Policy**

The College requires that all unmarried (those with no dependent children), full-time undergraduates live on campus.

## **Commuter Student Policy**

Commuter students are exempt from the housing policy if living with parent(s) or legal guardian(s) who reside in Knox, Clay, Bell, Whitley, Laurel, or Harlan counties.

## **International Student Housing Policy**

International students who are twenty (20) years of age or older are exempt from the on-campus housing policy. International students under the age of twenty (20) wishing to move off campus are held to the same off-campus criteria for students as outlined in the student handbook.

## **Transfer Student Housing Policy**

Approved transfer students who have thirty (30) credit hours (accepted by Union College) are exempt from the on-campus housing policy.

## **Requirements for Living Off Campus**

- To live off campus at any point in a student's academic career at Union, she/he must apply for off-campus housing status. To apply, a student must meet the following criteria:
- Students with 60 credit hours or less must have a minimum 3.25 cumulative GPA and students with more than 60 credit hours must have a minimum 2.75 cumulative GPA.
- The student must complete the off-campus application by August 1 for fall semester and January 1 for spring semester.
- Along with the off-campus housing application, the student must complete an itemized budget.
- Students under the age of 18 must provide a letter of support from his/her parent approving the concept of living off campus. If students do not apply to live off campus, they will be charged to live in a campus facility.
- Failure to adhere to these criteria could result in the loss of institutional aid.

## **Important Notes**

- Moving off campus will likely affect financial aid. Students are encouraged to check with the Financial Aid Office prior to making plans to move.
- Students who do not apply or who do not receive approval to live off campus, will be charged and will be expected to pay the full amount for room, and in some cases board, appropriate to their housing privilege (traditional or apartment).
- Institutionally funded financial aid, grants, and scholarships are available to those who adhere to the College's housing policy.
- Any student approved to live off campus is automatically removed from the reservation list for a resident hall room or apartment.

- Once approved for off-campus living, it will not be necessary to reapply.

### **Electronic Mail Policy**

All official electronic communications with Union College students will be sent through the unionky.edu mail address system. All official information, including but not limited to faculty-student communications, student billing, registration/advising, academic/administrative, financial aid, student development, and student support services information sent to each student's assigned Union College email address, will constitute official notice. The College accepts no responsibility for any forwarding of email that students may choose to undertake from their official Union College email accounts. Union College is responsible only for ensuring that official email is sent out to those student email accounts that are maintained by the College. All students are responsible for monitoring their Union College email accounts frequently (preferably daily).

### **Union College Identification (I.D.) and Address Requirements**

Every Union College student must maintain a current address listing with the Student Development Office for emergency purposes and must be prepared to show a current Union College I.D. card on request. Identification cards are issued during fall and spring confirmation. ID cards are used for access to Cafeteria meal plans, Cafeteria flex dollars, building/room access, and printing access.

### **Counseling Services**

Union College takes seriously its responsibility to provide for the diverse needs of its students. For this reason, the College has established a network of counseling services in the following areas: academic advising, behavioral health counseling, career planning and placement, and spirituality. Additionally, members of the Student Development staff are prepared to assist students with special problems that may arise and to connect them with the best available source of assistance in the College and local communities.

Union College offers on-campus counseling services under the direction of Dr. Kathy Blaydes-Walczak, who is a Licensed Professional Clinical Counselor and a member of the Psychology department. Behavioral health counseling services are available for all undergraduate and graduate students.

Typically, students seek counseling for a variety of reasons: a recent stressor, a long-standing problem that is interfering with their life, to prevent a problem, or as an opportunity for self-growth and exploration. To learn more, visit the web page: [www.unionky.edu/departments/counseling-services](http://www.unionky.edu/departments/counseling-services).

# Financial Information

## College Expenses

The academic year is divided into two regular semesters, fall and spring. Each semester also has two sub terms. The College also offers courses during summer sessions and offers a winter term. Applicable tuition and fees are as follows and are effective July 2020.

### Undergraduate Expenses (Traditional) (Per Regular Semester)

Expense	Description	Amount
<b>Tuition (Returning</b>	12 to 18 semester hours	<b>\$13,165.00</b>
<b>Laundry Fee</b>	Per year-required for all residential students	<b>\$75</b>
<b>Comprehensive Fee</b>	Per semester-required for all full-time	<b>\$835</b>
<b>Room (per semester)*</b>		
	Private room fee, per semester*	<b>\$350</b>
	Traditional residence hall	<b>\$1,400</b>
	Stewart Apartments	<b>\$1,800</b>
	Senior College Courts	<b>\$1,900</b>
	Manchester Apartments/Houses	<b>\$1,900</b>
	Union Court	<b>\$1,900</b>
<b>Board (per semester)*</b>		
	Traditional Meal Plan (19/23 Meals**)	<b>\$1,950</b>
	Apartment Meal Plan (12/16 Meals**)	<b>\$1,800</b>
	10 Meal Plan	<b>\$1,675</b>
	Commuter Meal Plan (5 Meals**)	<b>\$550</b>
<b>Part-Time Tuition</b>	For registering less than 12 or more than 18 semester hours, per semester hour	<b>\$345</b>
<b>Union Online</b>	Undergraduate programs per hour	<b>\$225</b>
<b>Summer Sessions Expenses (2020)</b>		
	Tuition, Undergraduate, per semester hour	<b>\$250</b>
	Tuition, Graduate per semester hour, Summer sessions	<b>\$340</b>
	Tuition, Graduate online courses per semester hour, Summer sessions	<b>\$340</b>
	Tuition, Graduate per semester hour, Summer	<b>\$340</b>
	Tuition, Graduate online courses per semester hour, Summer II	<b>\$340</b>
<b>RN-to-BSN</b>		
	Online, per semester hour	<b>\$225</b>

<b>Graduate Expenses</b>		
	Part-time tuition per semester hour	<b>\$340</b>
	Part-time tuition, online courses, per	<b>\$340</b>
<b>Low-Residency Program</b>	Part-time tuition, Low Residency Program and Applied Learning Practicum, per	<b>\$500</b>
	All tuition rates and other fees for all terms subject to change	
<b>Other Expenses</b>	The fees listed below are not a part of the traditional tuition and board and room	
<b>Audit Fee</b>	Per semester hour	<b>\$50</b>
<b>Late Registration / Confirmation Fee***</b>		<b>\$100</b>
<b>C.L.E.P</b>	Administration fee	<b>\$25</b>
<b>Portfolio Fee</b>	1 credit hour course	<b>\$105</b>
<b>Private Room Fee</b>	Per semester	<b>\$350</b>
<b>Examinations</b>		
	Late final examination fee	<b>\$15</b>
	Credit by examination, Institutional, per	<b>\$60</b>
<b>Transcript</b>	After first copy	<b>\$5</b>
<b>Student Teaching Fee</b>		<b>\$150</b>
<b>College Court Rental</b>	Per month, all utilities furnished****	<b>\$340</b>
<b>Electronic Portfolio Fee</b>	Chalk & Wire (UG Educ. Student) (4+1 year)	<b>\$125</b>
<b>Electronic Portfolio Fee</b>	Chalk & Wire (GR Educ Student) 2 Years	<b>\$105</b>
<b>Part-Time Technology Fee</b>	Per Semester	<b>\$25</b>
<b>Withdrawal Administration Fee</b>		<b>\$50</b>
<b>Physical Education and Human Performance Fees</b>	PHED 410, Exercise Physiology, consumable items fee	<b>\$25</b>
	PHED 421, Kinesiology, consumable items	<b>\$25</b>
	HMPF 441, Exercise Assessment & Prescription, consumable items fee	<b>\$25</b>
<b>*Vacation periods are not included in the above quotations. Food service and traditional College housing are closed during some vacations and other periods as noted in the undergraduate calendar. Student apartment-style housing is closed during summer vacation only. The College reserves the right to entertain delegates to conventions and other related groups in all College housing during summer vacation periods.</b>		



**\*\*All board charges are subject to change without notice, pending contract agreement with the food service provider.**

**\*\*\*Late registration fee can be waived by the Registrar for sufficient reason if permission is requested in advance.**

**\*\*\*\*Plus, one month's rent, rental deposit, payable through three (3) equal payments.**

### **Part-Time Undergraduate Tuition Rates 2020-21**

<b>Description</b>	<b>Per Hour</b>	<b>Effective Date</b>
<b>Undergraduate Online Programs</b>	<b>\$225</b>	<b>July 2020</b>
<b>RN-BSN Online</b>	<b>\$225</b>	<b>July 2020</b>
<b>Undergraduate Part-Time</b>	<b>\$345</b>	<b>July 2020</b>
<b>Undergraduate Online Fee</b>	<b>\$25</b>	<b>July 2020</b>
<b>Undergraduate Summer</b>	<b>\$250</b>	<b>July 2020</b>
<b>Undergraduate Winter Term</b>	<b>\$250</b>	<b>July 2020</b>

## **Payment Policy**

### **Financial Clearance**

Any student who owes a balance on his or her account after August 30 (fall) or January 21 (spring) may be subject to withdrawal procedures. Full payment of an account or satisfactory financial arrangements of an account, for all charges, are due on or before registration. Any student having an unpaid account will not be cleared for a transcript of credits. Should collection efforts become necessary to collect an unpaid balance, the student will be responsible for all costs of collection including collection agency and attorney fees.

Summer sessions must be paid in full at the date of registration—no payment plan is available for summer sessions.

### **Finance Charge**

A monthly finance charge of one and one-half percent (18% APR) will be added to the unpaid balance on student accounts.

### **Payment Plan**

The Union College Interest-Free Monthly Payment Plan, as serviced by Union College, helps students and parents make education affordable.

Paying monthly through current income and savings helps families limit borrowing and reduces overall cost of education. The monthly payment plan is available to all families, regardless of financial need. The only cost is the annual or semester enrollment fee of \$50.

Currently there are three (3) available monthly payment plans:

<b>Annual</b>	<b>12 Month Plan</b>
<b>Fall</b>	<b>6 Month Plan</b>
<b>Spring</b>	<b>6 Month Plan</b>

For more information, please contact Union College at (800) 489-8646, visit the Union College website at [www.unionky.edu](http://www.unionky.edu), or contact the Business Services Office at (606) 546-1200.

## Refund Policy

A student is enrolled until he or she completes drop/withdrawal procedures. Necessary forms must be obtained from the Office of the Registrar. All refunds will be based on the date these drop/withdrawal forms are completed and returned to the Office of the Registrar. Tuition and room refunds are based on the period a student is enrolled in a course, expressed as a percentage of the total length of the course schedule. Board charges will be refunded on a pro rata basis.

## Federal Refund Calculation

The 1998 amendments to the Higher Education Act (HEA) of 1965 (Section 484B), and subsequent regulations issued by the United States Department of Education (34 CFR 668.22), establish a policy for the return of Title IV, HEA Program grant, and loan funds for a recipient who withdraws. Union College does not have a leave of absence policy that would exempt any student from the requirements of the Return of Title IV Funds Policy.

Title IV Funds (Include the Following Aid Programs)

<b>Federal Pell Grant</b>
<b>Federal Supplemental Educational Opportunity Grant (FSEOG)</b>
<b>Federal Work-Study (FWS)</b>
<b>Federal Stafford Loan (subsidized and unsubsidized)</b>
<b>Federal PLUS Loan</b>
<b>Leveraging Assistance Partnership Grant (LEAP)</b>

The percentage of the term completed is determined by dividing the total number of calendar days comprising the term (excluding breaks of five [5] or more consecutive days) into the number of calendar days completed.

The percentage of Title IV grant and loan funds earned is:  
up through the 60% point in time, the percentage of the term completed  
after the 60% point in time, 100%

The amount of Title IV grant and loan funds unearned is a complement of the percentage of earned Title IV funds applied to the total amount of the Title IV funds disbursed (including funds that were not disbursed but could have been disbursed, i.e., post-withdrawal disbursements). If the amount earned is less than the amount disbursed, the difference is returned to the Title IV programs. If the amount earned is greater than the amount disbursed, the difference is treated as a late disbursement, in accordance with the federal rules for late disbursements. Unearned funds, up to the total institutional charges multiplied by the unearned percentage of funds, are returned by the College. Institutional charges (costs) include tuition, room, and board. The federal Return of Title IV Funds policy requires that the federal aid be considered as first applied toward institutional charges, regardless of other non-federal aid received.

## Funds Are Returned (As Credited in the Following Order)

<b>Unsubsidized Stafford Loans</b>
<b>Subsidized Stafford Loans</b>
<b>Federal PLUS Loans</b>
<b>Federal Pell Grants</b>
<b>Federal Supplemental Educational Opportunity Grants (FSEOG)</b>
<b>Other Title IV funds for which a return of funds is required</b>

### **Institutional Refund Calculation for Regular Semesters**

Tuition refunds are based on the date on the official withdrawal form when signed by the Registrar. The following schedule applies to all students:

<b>Week 1 Withdrawal</b>	<b>80% - less admin fee</b>
<b>Week 2 Withdrawal</b>	<b>60% - less admin fee</b>
<b>Week 3 Withdrawal</b>	<b>40% - less admin fee</b>
<b>Week 4 Withdrawal</b>	<b>20% - less admin fee</b>

No refund will be made after Week 4.

### **Institutional Refunds for Summer Sessions, Winter Session, or Degree Completion Sessions**

Withdrawal, up to the end of the first week, will permit a 50% refund. No refund will be made after the end of the first week. Any part of a week will be treated as a full week.

### **Housing Deposit**

This \$50 deposit is non-refundable and is paid yearly.

### **Enrollment Deposit**

This deposit is non-refundable and must be submitted by May 31, 2020, for students entering for the fall 2020 semester by December 31, 2020, for students entering for the spring 2020-20 semester.

## **Financial Assistance**

### **Federal Programs**

Pell Grant	Student must demonstrate financial need based upon the completion of the FAFSA (Free Application for Federal Student Aid).
Federal Supplemental Educational Opportunity Grant (FSEOG)	Student must demonstrate financial need based upon the completion of the FAFSA.
Federal Direct Loan	Loan types include subsidized and unsubsidized. Eligibility depends upon enrollment status and FAFSA. Repayment begins after graduation, withdrawal, or part-time enrollment status.
Federal Direct PLUS Loan	Eligibility is based on Cost of Attendance – Financial Aid = PLUS Loan. Parents apply for the PLUS Loan with repayment beginning 90 days after the second disbursement.
Federal Work-Study Program	This employment program combines support from the federal government and the institution to supplement students' financial aid awards. Eligibility is determined upon completion of the FAFSA.

## State Programs

Kentucky Tuition Grant (KTG)	Eligibility is based upon Kentucky residence and financial need determined upon completion of the FAFSA.
College Access Program (CAP)	Eligibility is based upon Kentucky residence and financial need determined upon completion of the FAFSA.
Kentucky Educational Excellence Scholarship (KEES)	Earned upon completion of high school in Kentucky.

## Loans

The Russell and Alice M. Hicks Student Loan Fund	The late Russell and Alice Hicks, of New Albany, Indiana, established an endowed student loan fund at Union College through an estate gift.
The Charles E. Schell Foundation Student Loan Fund	Established in 1993 by The Charles E. Schell Foundation. Recipients of these interest-free student loans are selected by Union College based on prescribed criteria established by the Foundation.
The Bryan W. Whitfield – Kentucky Jellico Coal Company Memorial Fund	This endowed student loan fund was established by Bryan W. Whitfield, Jr., of Harlan, Kentucky, in memory of his father, Bryan W. Whitfield, founder of the Kentucky Jellico Coal Company.

## Satisfactory Academic Progress Requirements

Federal regulations require that all students make satisfactory academic progress toward a degree in order to receive Title IV federal assistance. At Union College, each student's cumulative GPA and cumulative credit hour completion rate is measured at the end of each payment period. Students will also be reviewed for maximum time frame for degree completion.

To qualify for financial aid, students must maintain satisfactory progress in all three of the following areas:

Cumulative GPA	Students must meet the following minimum academic standards:
Hours Attempted	Cumulative GPA
1-29 Hours	1.80 GPA
30-59 Hours	1.90 GPA
Above 60 Hours	2.00 GPA
Cumulative Credit Hour Completion Rate	Students must earn at least 2/3 or 67% of the credit hours attempted each semester.
Attempted Semester Hours	Must Earn at Least 67% of Attempted Hours
12 Hours	12 x 67% = 8 hours
18 Hours	18 x 67% = 12 hours
	A grade of A, B, C, or D must be received for those hours to be counted in the earned category.
	Attempted hours will include repeated, withdrawn, and incomplete courses regardless of whether the student received financial aid or not.
<ul style="list-style-type: none"> <li>The original enrollment and repeated course will count toward attempted credit hours but only the second course will count toward the earned credit hours.</li> </ul>	

<ul style="list-style-type: none"> <li>• Courses that students withdraw from, after drop/add, will count toward attempted hours.</li> <li>• Incomplete courses are counted as attempted hours. If a student receives a passing grade after academic progress has been evaluated, it is his/her responsibility to notify the Financial Aid Office.</li> <li>• Remedial and pass/fail courses will not be counted in attempted hours.</li> </ul>	
Maximum Time Frame for Degree Completion	<p>Undergraduate students are expected to complete a bachelor's degree before completing 150% of the required hours to complete their program.</p> <p>If the academic program requires 120 hours, a student is eligible to receive financial aid for 192 attempted hours. For example: 120 x 1.5 = 180</p> <p>If a student is not on track to earn the degree before reaching the maximum credit hours, the student's aid will be denied.</p> <p>The allowed time frame does not automatically increase if a student changes major.</p>
Transfer hours are counted in attempted hours.	

A student who does not meet satisfactory academic progress will be placed on financial aid warning. He or she will continue to receive financial aid while he or she is on warning. If the student does not meet satisfactory progress by the end of the warning semester, he or she will be placed on financial aid suspension.

## Appeals

Students who have been suspended may appeal this decision to the Union College Financial Aid Appeals Committee. Students should submit a written request to the Director of Financial Aid, explaining the following:

- why they did not make academic progress
- what has changed that will allow them to make academic progress at the end of the term

The Committee will review the appeal, along with any additional recommendations from faculty or staff. If the appeal is approved, the student will be placed on probation for one term. After the probationary term, the student must be making satisfactory academic progress or follow the academic plan that has been developed for him/her to continue to receive financial assistance. If the appeal is not approved, the student may take classes at his or her own expense to regain academic progress. Effective July 1, 2017

# Academic Information

## Academic Calendar

Union College operates on a semester system. The fall semester begins in late August and ends in early December. The spring semester runs from January to early May. Each semester also has two sub terms. Summer terms and a winter term are also available. The College ALPS (Appalachian Local Pastor School) offers classes during summer sessions.

## Union College Experience (UCE)

Union College requires all full-time incoming freshmen and transfer students with fewer than 12 credit hours to take the Union College Experience course. Classes for this one-hour course meet the weekend prior to the start of regularly scheduled classes then weekly throughout the semester. The goal of this course is to help students achieve academic success and adjust to the challenges of college life.

## Classification of Students

Year	Description
Freshman	Fewer than thirty (30) semester hours
Sophomore	Thirty (30) semester hours
Junior	Sixty (60) semester hours
Senior	Ninety (90) semester hours

## Disability Accommodations

Students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for courses should contact the Education & Retention Specialist, at (606) 546-1258. This office is in Sharp Academic Center, first floor room 3110.

Students with disabilities should request accommodations prior to or early in the semester. Each request for accommodations will be examined on a case-by-case basis to determine eligibility. Please do not request accommodations directly from instructors as they are not authorized to make reasonable accommodations.

## Course Load

The normal undergraduate course load is fifteen (15) hours per semester. Students may register for a maximum of eighteen (18) hours of credit per semester. Students who attain a 3.0 or better GPA are permitted to register for up to twenty-one (21) hours per semester. All exceptions must be approved by the Vice President of Academic Affairs.

The maximum course load in the summer sessions is seven (7) semester hours. Four (4) hours is the maximum enrollment for the winter term.

## International Student Enrollment

Federal regulations require undergraduate students to enroll in a “full course of study” to maintain their status in the United States. For Undergraduate students, a full course of study is 12 credit hours – or full-time status – per semester. Regulations do permit certain exceptions to the full course of study rule and requests must be submitted to the PDSO or Primary Designated School Official (Contact the office of Admissions) in writing.

## Class Attendance

Class attendance is required. Students are responsible for all work from the first day of class and are expected to attend all meetings of all classes for which they are registered. All faculty members are expected to keep accurate records of class attendance. Class absences due to circumstances beyond the control of the students will be excused by the instructor if the request is made within one week of return to campus. Class work or tests in these classes must be made up.

Class work and tests missed by the student while participating in a College sponsored activity may be made up only when the faculty sponsor of the activity notifies the Office of Academic Affairs, by submitting the official absence list, via email to: [absence@unionky.edu](mailto:absence@unionky.edu).

### **Military Service Policy**

Union College will make every accommodation possible for students who are called to active military duty. Every effort is made so that these students may re-enter without prejudice and with minimal financial difficulties (established November 30, 2003).

### **Withdrawal from Courses/the College**

Withdrawal does not occur automatically when a student stops attending a class but must be granted officially by the Office of the Registrar. It is the responsibility of students to complete the College Withdrawal Administrative Release form, obtain the needed signatures, and return the completed form to the Office of the Registrar. Students who fail to complete the withdrawal procedure will receive a grade of “F” for the term.

The last day to withdraw from the College or from all courses for a semester is also the last day to withdraw from a course with a grade of “W.” The date for such withdrawals is noted in the Academic Calendar available on the Academics page on the Union College website.

### **Course Numbering System**

Courses numbered 100 or 200 are intended primarily for lower-division students and generally do not have prerequisites, while 300- and 400-level courses are usually reserved for upperclassmen. Freshmen or sophomores wishing to enter 300- or 400- level courses should consult with the appropriate School Dean for permission to enroll. The 500- and 600- level courses are restricted to graduate students. Courses with hyphenated numbers (101-102) are used when the first semester is a prerequisite to the second semester.

### **Reserved Course Numbers**

Some special numbers are reserved for specific types of courses or studies. They may be used by any department, although they are not listed in this catalogue.

<b>Number</b>	<b>Description</b>
<b>1 - 99</b>	<b>Non-credit, special-interest courses and transitional courses</b>
<b>181, 281, 381, 481</b>	<b>“Special Topics” courses – classes developed on a one-time or experimental basis, or a special, innovative class</b>
<b>282, 482</b>	<b>Special workshops, credit or non-credit</b>
<b>285, 485</b>	<b>Experiential Education – study abroad, internships, cooperative work</b>
<b>287, 487</b>	<b>Field Practicum in specialized areas</b>
<b>285, 485</b>	<b>Independent Study – individual research on approved topics not found in traditional courses; may be repeated on different topics</b>

### **Transitional Courses**

Any required courses numbered below 100 will be counted toward full-time academic status and for athletic eligibility purposes. However, hours earned will not count toward the required 120 hours for graduation. In addition, grades in these classes will not be used when calculating semester or final GPA.

### **Course Descriptions Special Notations**

Most course descriptions indicate the semester the course will be offered – (F) for fall semester, (S) for spring semester, and (Sum) for summer session. Many regular-year courses are offered in the summer sessions (not guaranteed).

## Individualized Majors

An individualized major is available for students whose interests cannot be accommodated within the established majors at the College. This self-designed major must meet the following criteria:

- The major must be interdisciplinary and cannot duplicate existing majors offered by the College.
- A student must have a minimum GPA of 3.0 and sophomore standing to apply for the individualized major.
- Individualized majors must include at least thirty-nine (39) semester credit hours at the 300 or above level. No more than nine (9) hours can be earned by independent study. Under normal circumstances, no more than six (6) hours can be earned by transfer credit.
- A senior project must be completed in the major and can count up to three (3) credit hours of independent study.

## Procedures for the Individualized Majors

Students seeking an individualized major must select an advisor from the teaching faculty of a discipline related to the self-designed major plan. In some cases, two advisors may be selected from different departments to oversee the work.

In consultation with the advisor or advisors, students seeking an individualized major must offer a detailed plan of study, a rationale for undertaking a self-designed major, and a curriculum plan for the degree. The application should be submitted and approved before beginning the program of study. The appropriate School Dean must approve the plan of study. The School Dean will take the plan to the Academic Policies Committee (APC) for final approval by March 1, for programs commencing in the fall semester, and by October 1, for programs commencing in the spring semester.

Students graduating with the individualized major will receive either a B.A. or B.S. degree in the field of study with an individualized major notation.

## The Grading System and Quality Points

Grade	Description
A	Superior work, valued at four (4) quality points for each semester hour.
B	Above-average work, valued at three (3) quality points for each semester hour.
C	Average work, valued at two (2) quality points for each semester hour.
D	Inferior but passing work, valued at one (1) quality point for each semester hour.
F	Failure with zero (0) credits and zero (0) quality points for each semester hour or failure to officially withdraw from a course.
CR	A course has been satisfactorily passed. No grade points are assigned.
P	A course has been satisfactorily passed. No grade points are assigned.
I	Incomplete, in the opinion of the instructor. The student has been unable to complete the required work of the course. This grade is issued at the discretion of the instructor. A grade of "I" submitted to the Office of the Registrar must be accompanied by a written statement from the instructor that includes: (1) why the "I" was given, (2) the requirements that must be met to remove the "I," and (3) the deadline for meeting these requirements. The Office of the Registrar will send a copy of this statement to the student. An Incomplete grade must be completed no later than six-months following the date it was issued. After this date, the "I" will be changed to the grade of "F."
W	A student withdrew on or before the stated date on the Academic Calendar.
S	A course has been satisfactorily passed. No grade points are assigned.
U	Unsatisfactory: No credit is granted, and no grade points are assigned.

A plus or minus may be added to final grades and will appear on the transcript; however, it will not affect the GPA.



## **Quality Point Standing**

The quality point standing of a student is determined by dividing the total quality points earned by the total number of registered semester hours, minus the number of hours of Credit and recorded Incompletes. Failure or quality point deficiencies in any course work done in residence cannot be removed by transfer credit, correspondence work, or independent study.

## **Credit / No Credit**

The purpose of Credit/No Credit is to provide students an opportunity to explore elective courses outside their major or minor without jeopardizing their GPA. This option does not apply to courses in the Liberal Education Core and any area, major or minor. It is available to students with at least sophomore classification and a 2.0 GPA. Credit/No Credit is also available to transfer students of sophomore classification who have completed at least twelve (12) hours of satisfactory work at Union College.

A maximum of fifteen (15) semester hours may be applied toward the bachelor's degree, no more than two (2) courses per academic year (July through June), and only two (2) courses in any single discipline. A student must apply in the Office of the Registrar for the Credit/No credit option no later than the last date to withdraw from a course with a grade of "W." A grade of "D" or above will be recorded as "CR," and a grade of "F" will be recorded as such but will not affect the student's GPA.

## **Challenge Credit**

If a student wishes to receive a challenge credit by examination, he/she should first discuss the possibility with the appropriate instructor and School Dean. Upon consent, the instructor and School Dean will issue and sign an Application for Challenge Credit form. Challenge credit forms are obtained from the Office of the Registrar.

The student will take the signed form to the Business Office to pay the \$60 fee per credit hour for the Challenge Credit. The student will take the form, complete with all three signatures (instructor, School Dean, Business Office) and the receipt showing payment was made to the Academic Affairs Office for the approval signature by the Vice President of Academic Affairs.

The instructor will prepare and administer the challenge credit examination and maintain the results on file in his/her office. The recommendation of the instructor, with supporting documentation, will be forwarded to the School Dean for review. If the School Dean does not agree with the evaluation, a meeting will be scheduled with the Vice President of Academic Affairs.

If the School Dean approves the evaluation, the instructor will return the completed form and a copy of the documentation to the Office of the Registrar. Successful completion of the Challenge Credit will be recorded as "CR" on the transcript. An unsuccessful challenge will not be recorded. The Office of the Registrar will keep the copies on file.

Students enrolled in a course may request a Challenge Credit only within the period when a new course may be added. Challenge credits may not be used to repeat a course or remove a grade of "F" from the transcript.

## **Transfer Credit for Union College Students**

Students who wish to take course work at another accredited college or university must obtain written permission from the Office of the Registrar before enrolling in the course. Union College students cannot register for more than a total of eighteen (18) semester hours per term, including all off-campus courses, without the consent of the Vice President of Academic Affairs.

Failure or quality point deficiencies in any course work done at Union College cannot be removed by transfer credit or independent study. Transfer work does not affect a student's Union College GPA.

Transfer credits will be considered based on the following policy:

Transfer credits from other institutions will be evaluated for equivalency with the Liberal Education Core, a major, minor, or area. The initial review will be conducted by the Office of the Registrar based on generally

accepted practices, and in consultation with the appropriate School Dean when questions arise. Time sensitive courses, especially in technology or professional areas, may not transfer if they are too outdated.

Students who are denied equivalency credit have the right to petition for approval. The petition will be made to the Office of the Registrar, who will consult with the appropriate School Dean. The School Dean will consult with the appropriate instructor before making a recommendation to the Office of the Registrar.

The student will have the right to appeal the decision to the Vice President of Academic Affairs, in the event the initial petition is denied. The decision of the Vice President of Academic Affairs will be binding and may be made as an exception to a general rule due to special circumstances or may be issued as a precedent to guide future credit evaluations.

### **Acceptable Transfer Credits**

- CLEP (College Level Examination Program)
- AP (Advanced Placement exam)
- WES (World Education Services) or InCred (International Credential Evaluations) for acceptable international course credit
- Transfer Credit must be from an accredited school from which we accept credits; must have a letter grade of “C” or higher.
- Challenge Credit must be approved by the appropriate departments before granting credit.
- Independent Study Credit must be approved by the appropriate departments before granting credit.
- Prior Learning and Licensure Assessment (PLA 200 / PLA 300)
- KIIS (Kentucky Institute for International Studies) Study Abroad Credit
- Students transferring to Union while in their first semester at another institution may be accepted based upon their high school transcript and their ACT, SAT, KYOTE, or COMPASS test scores.

### **Independent Study and Experiential Education**

Union offers qualified students the opportunity to work independently to earn academic credit. This option is reserved primarily for juniors and seniors who have demonstrated the academic maturity to accomplish the rigorous requirements of independent inquiry and study. For this reason, except in very unusual circumstances, independent studies are reserved for students who wish to pursue areas of study inquiry not normally part of the regular curriculum. These can be in-depth studies of a topic or a deeper examination of a topic only introduced in the major.

Registration for this option is during the normal registration period and follows that process. Students are expected to engage in the independent study project or experiential education experience during the semester for which they are officially enrolled. Forms can be obtained from the Office of the Registrar.

Because of the nature of independent study and experiential education, neither can be used to satisfy Liberal Education Core requirements to replace required courses in the major, or to replace failing grades on a student’s transcript.

### **Service Learning**

Academic credit for Service Learning is provided through two (2) academic courses. The one-hour credit course, SLRN 102, is a service trip taken during the fall or spring break periods. Students may take the class up to three (3) times for credit. All students who participate in the trips attend the class sessions whether the course is for credit. The three-hour course, APST 202, examines service learning from historical and contemporary perspectives and is community-based learning experience (see full descriptions under Course Descriptions section).

### **Examinations and Reports of Grades**

Examinations are given at the close of each semester. A final exam schedule is published by the Office of Academic Affairs. Midterm and semester grades are reported by instructors to the Office of the Registrar.

Midterm and final semester grades are posted electronically on MyUnion. Only final grades become a part of the student's permanent record.

### **Grade Appeal**

Students are entitled to rectify grievances related to grades. Students have one (1) year in which to contest any grades on their transcripts. After that time, the grade is permanent. Please consult the student handbook or contact the Office of Academic Affairs for additional information.

### **Honor Students**

Union College recognizes excellent scholarship in three ways: the Dean's List, the Presidential Laureates, and graduation with distinction or departmental honors.

#### **Dean's List**

The Dean's List is comprised of undergraduate students who have completed at least twelve (12) hours, with a 3.33 GPA, no Incompletes for the semester, no grades of "C" or below, and no unsatisfactory grades for the semester. This list is published after the fall and spring semesters.

#### **Presidential Laureates**

Presidential Laureates are those students who meet all the requirements for the Dean's List and achieve at least a 3.75 GPA for two (2) successive semesters, with at least twelve (12) hours, no Incompletes, no grades of "C" or below, and no unsatisfactory grades in either semester. The list of students designated as Presidential Laureates is published after the fall and spring semesters.

#### **Degrees with Distinction**

There are three grades of distinction: cum laude, magna cum laude, and summa cum laude. These distinctions are conferred at graduation upon students who satisfy the following conditions of scholarship:

- The distinction of cum laude is awarded to those students who have earned an overall average standing of 3.5 at Union.
- The distinction of magna cum laude is awarded to those students who have earned an overall average standing of 3.75 at Union.
- The distinction of summa cum laude is awarded to those students who have earned an overall average standing of 3.9 at Union.

Transfer students may receive distinction on completing sixty-four (64) semester hours of resident study and satisfying the conditions of scholarship prescribed by the faculty, provided they also furnish such evidence of high scholarship in the institution from which they came.

#### **Departmental Honors**

Students may also receive departmental honors at graduation. Requirements for departmental honors are set by individual departments and programs. Published in each department's section of the catalogue, requirements may include cumulative GPA, major GPA, and senior project, among other measures.

#### **Curriculum Plan, Degree Audit, and Degree Progress**

During the junior year, a curriculum plan will be completed by the Office of the Registrar. This indicates the courses the student has already completed toward the major. This is an agreement between the College and the student. Once the curriculum plan has been completed, only changes approved by the Office of the Registrar are binding on the College. Students should regularly consult with their advisors to ensure progress toward their degrees.

In a student's senior year, a degree audit is completed by the Office of the Registrar. These audits indicate the courses students have completed toward their degree major (on file in the Office of the Registrar) and students are responsible for completing all requirements on the degree audit.

## **Graduation Requirements**

Students must apply for graduation the semester before they plan to complete graduation requirements.

The candidates must satisfy the following requirements:

- A minimum of one hundred twenty (120) semester hours, of which at least thirty (30) semester hours must be earned at Union College. Thirty (30) of the last thirty-six (36) hours must be earned at Union College.
- An overall Union GPA of 2.00 and a 2.00 GPA in the major or minor fields of study, unless a specific program requires a higher GPA.
- Completion of the Liberal Education Core.
- Completion of all requirements for the Bachelor of Arts or Bachelor of Science degree as appropriate to the major or area. The Bachelor of Arts language requirement can be met by completing four semesters of a single language or by completing two semesters of two different languages. See descriptions of individual major or area for specific requirements.
- At least thirty-nine (39) semester hours offered for graduation must be earned in courses numbered 300 or above.
- Full participation in all College assessment activities including (but not limited to) departmental assessments and Assessment Day(s).

Students should be in regular communication with their advisor; however, each student is responsible for completing all requirements.

## **Academic Amnesty and Academic Failure**

Students who complete two consecutive full-time semesters or twenty-four (24) part-time hours, with a 2.0 or higher GPA, may petition the Office of the Registrar for academic amnesty. Petitions must be in writing and may be approved for one (1) term only. If granted, credit will be given for grades of “C” or higher. Grades lower than a “C” will not be used for calculating the GPA during the term of amnesty. Transfer students who bring a GPA lower than 2.0 or who have received any form of academic amnesty elsewhere do not qualify for this option. Students who receive amnesty are not eligible for academic honors based on cumulative GPA.

## **Academic Integrity**

Examples of academic dishonesty include:

- Plagiarism – taking words, sentences, ideas, etc. from another and presenting them as one’s own. This includes any improperly documented sources, including electronic or online papers, presentations, and the like.
- Writing papers for other students.
- Cheating (using illegal notes, copying, text messaging, etc.) on examinations.
- Unauthorized collaboration – unauthorized assistance with written or oral material.

Incidents of academic dishonesty will be dealt with by the individual instructor in collaboration with the appropriate School Dean and the Vice President of Academic Affairs. All incidents of academic dishonesty will be reported in writing to the Office of Academic Affairs. The instructor may impose any number and degree of penalties, including administering another assignment or assigning a grade of “F” for the course. The Vice President of Academic Affairs may suspend any student from the College for academic dishonesty. Students found guilty of academic dishonesty will not be eligible for academic honors.

Students have a right of appeal and of due process; this process is outlined in the Student Handbook. Also see Academic Code of Honor in this catalogue.

## **Academic Probation and Suspension**

Students whose GPA falls below the following GPA and corresponding minimum semester hours will be placed on academic probation:

<b>Standing</b>	<b>GPA</b>
<b>Freshman</b>	<b>1.80</b>
<b>Sophomore (30 hours)</b>	<b>1.90</b>
<b>Junior (60 hours)</b>	<b>2.00</b>
<b>Senior (90 hours)</b>	<b>2.00</b>

Probationary students are monitored by the Admissions and Academic Standing Committee of the College. Students who are admitted, placed, or continued on academic probation will be restricted as to courses taken, have credit hour limitations (12-13 hours), be required to repeat courses in which low grades have been earned, lose College financial aid, or be suspended from the College after an established period of time.

Students on academic probation are required to attend the Academic Resource Center (ARC) five (5) hours each week. Students must complete this requirement and demonstrate academic progress in addition to raising their GPA, in order to be removed from probation. Failure to do so will result in continued probation or suspension.

A student admitted to the College in good standing will receive notification of academic probation if the GPA is below the minimum required after the first semester. Notification of academic suspension will be sent to the student at the end of the second consecutive semester in which the cumulative GPA falls below the required minimum standard.

A student admitted to the College on academic probation will have either one or two semesters in which to meet the minimum academic standards. Failure to attain the required GPA at the end of the specified semester may result in suspension from the College.

A suspended student may appeal in writing within thirty (30) days of notice. Appeals should be sent to:

Vice President for Enrollment and Student Life  
Office of Enrollment Services, Union College  
310 College Street, CPO-D-005, Barbourville, KY 40906

At the discretion of the Admission and Academic Standing Committee, a student may be suspended for two (2) semesters. The student must reapply through the Office of Admissions in order to be readmitted to Union College. Readmitted students will be subject to restrictions as established by the Committee concerning the number of hours allowed and repeating of courses. Students readmitted after suspension from Union are readmitted on academic probation. Failure to attain the required cumulative GPA at the end of the readmitted semester following suspension may result in permanent dismissal from the College.

## **Community Education**

Union College is committed to lifelong learning through courses, workshops, seminars, travel, service learning, and outdoor adventure programming. Through partnerships with community agencies, schools, business, and industry, Union emphasizes lifelong learning while meeting specific needs of the community. Adults study for personal enrichment, for acquiring new skills for career advancement and leadership training, or for enjoying cultural, leisure, and outdoor adventure activities.

## **Assessment**

Union College continuously assesses its academic programs and other aspects of College life. Assessment is not only required by SACSCOC, but it is also extremely important in improving the quality of Union College's academic and non-academic programs. Questions related to program assessment should be directed to the Director of Institutional Effectiveness and Research or the Vice President of Academic Affairs.

## **Convocations**

Union College provides a convocation program to gather its community together for reflection and for promoting dialog. The program includes required events and several optional activities such as college assemblies, lectures, theatre productions, and worship. Clean, neat, and modest attire is the basic convocation dress code.

# Academic Services

## **The Office of Student Support Services**

The Office of Student Support Services is a federally funded TRIO Program serving 175 first-generation, income-eligible and/or disabled college students. It is a program to help students successfully complete their college education by offering services such as tutoring, supplemental instruction, personal and career counseling, and academic advising free of charge via the ARC and Career Planning and Placement.

## **Career Planning and Placement Services**

Upon admission to Union College, students begin a process whereby the Coordinator of Career Planning and Placement and faculty advisors help them articulate their career goals, select courses of study appropriate to those goals and to achieve suitable placement upon completion of their studies. A career counselor is available for all students. Career interests and life goals may be defined using career interest inventories, computer guidance programs, and workshops available both online and face to face designed to help students clarify their direction in life. The Career Planning and Placement services also assists students in identifying full-time, part-time, and graduate employment opportunities. Students are also given assistance in exploring a variety of internet job posting sites.

## **Academic Resource Center (ARC)**

The ARC provides free services to Union College students in several areas. Individual tutoring is available in a variety of subject areas in both upper- and lower-division classes. Students may work with a tutor to review for classes, refresh study skills, or prepare for professional examinations. Students on academic probation are required to attend the ARC five (5) hours each week. Students must complete this requirement and demonstrate academic progress in addition to raising their GPA, in order to be removed from probation. Failure to do so will result in continued probation or suspension.

## **Supplemental Instruction (SI)**

Union College provides an academic assistance program known as Supplemental Instruction (SI) that is proven to increase student academic performance. Each semester, courses that have been deemed academically challenging are selected for SI. Student leaders who have previously excelled in the designated courses are selected by the instructors of the courses to attend each class session, take notes, participate in class discussions, and hold three (3) outside of class study sessions each week. The SI is introduced to the students the first day of class. These sessions provide a support system of collaborative learning in a relaxed atmosphere.

## **Academic Advising Center**

The Academic Advising Center assists students with the development of a plan for graduation that includes schedules for each semester. Students will meet with their academic advisor each semester to select and register for courses. Advisors are also available to help students learn how to use Union College's resources and to find solutions to issues that may arise. As incoming freshmen, students will take the UCE class (see Union College Experience [UCE]).

The instructor in this class will be the student's academic advisor during his/her first two (2) semesters. At the end of the freshman year, students are assigned an academic advisor in their chosen field of study. Students who wish to change advisors/majors may make these changes in the Academic Advising Center.

## **The David and Donna Jones Learning Resource Center**

The David and Donna Jones Learning Resource Center is in the center of campus and comprises the Weeks-Townsend Memorial Library and the Black Technology Center. The faculty and staff located in these facilities provide information resources and services needed to meet student educational goals. The Jones Learning Resource Center provides access to print- and non-print materials, data and voice communication, institutional data, and the instruction needed to utilize the materials and information.

### **Abigail E. Weeks / Milton H. Townsend Memorial Library**

The Weeks-Townsend Memorial Library provides a variety of resources and services to support and enrich the College's academic programs. The Library, located in the center of campus, houses a collection of more than 118,000 books, periodicals, government documents, media materials, and other print items. The Library also provides access to more than 390,000 e-Books and more than 90 scholarly databases covering a multitude of academic subjects. The Library's Online Catalog Ucat, as well as circulation reserves, and various tutorials, are fully automated and available online. In addition, the Uchat features allow Library staff to conduct online reference interviews with patrons via the internet in real time, while the Library's universal discovery tool, Usearch, provides fully online access to thousands of scholarly articles, eBooks, and videos.

The Library can accommodate 250 persons in a variety of seating arrangements, including study carrels, tables, private study rooms, computer stations, and lounge areas. The Library provides wireless access to the campus network and laptop computers for student use. Library participation in various state, regional, and national consortia and networks provides the College community with a wide array of traditional and electronic resources.

The Library includes a 20-seat computer lab. The Curriculum Collection supports the teacher education program with specialized curriculum and juvenile materials. The Library houses several other special collections including the Cumberland Gap Genealogy Collection, the Lincoln-Civil War Collection, the Kentucky Appalachian Heritage Collection, and the College Archives. Library staff offer individual and group bibliographic instruction and instruction in the use of equipment, computer resources, and special collections.

### **Writing Center**

The Writing Center is assessable throughout the academic year. It is readily available to help students, faculty, and staff hone communication skills through sessions and private tutorials on writing, reading, and public speaking. In addition, the Writing Center hosts weekly writing workshops and upon request, directs classroom presentations on such topics as documentation and writing for different majors.

# Academic Records

## **Family Educational Rights and Privacy Act (FERPA)**

The Family Educational Rights and Privacy Act (FERPA) gives parents and students over eighteen (18) years of age (eligible students) certain rights with respect to the student's education records. These principles are:

The right to inspect and review the student's education records within forty-five (45) days of the day the Office of the Registrar receives a request for access. Parents or eligible students should submit a written request to the Office of the Registrar that identifies the record(s) they wish to inspect. The Office of the Registrar will decide access and notify the parent or eligible student of the time and place where the records may be inspected.

The right to request the amendment of the student's education records that the parent or eligible student believe is inaccurate or misleading. Parents or eligible students may ask the College to amend a record they believe is inaccurate or misleading; they should write the Office of the Registrar and clearly identify the part of the record they want changed and specify why it is inaccurate or misleading. If the College decides not to amend the record as requested by the parent or eligible student, the College will notify the parent or eligible student of the decision and advise them of their right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the parent or eligible student when notified of the right to a hearing.

The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the College as an administrator, supervisor, instructor, or support staff person (including health or medical staff and law enforcement personnel); a person serving on the school Board; a person or company with whom the College has contracted to perform a special task (such as an attorney, auditor, medical consultant, or therapist); or a parent or student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his/her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his/her professional responsibility.

The College will release directory information to the general public in response to a legitimate request unless the student concerned files a written request with the Office of the Registrar within three (3) weeks of the beginning of the term that such information is to be withheld from the public. Directory information is defined as dates of attendance, degree(s) earned, and previous attended educational institutions.

Union College will, however, release records and accounts pertaining to veterans, as well as to other students, to appropriate U.S. Government representatives. This exception to all other federal laws is found in Title 38 of the U.S. Code, Section 1790(c).

The right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

**Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Ave., S.W.  
Washington, DC 20202-5920**

Although the Family Rights and Privacy Act affords parents of students, under the Internal Revenue Code, access to the student's education record, it is the policy of the College to require all students sign a waiver for the release of such information.

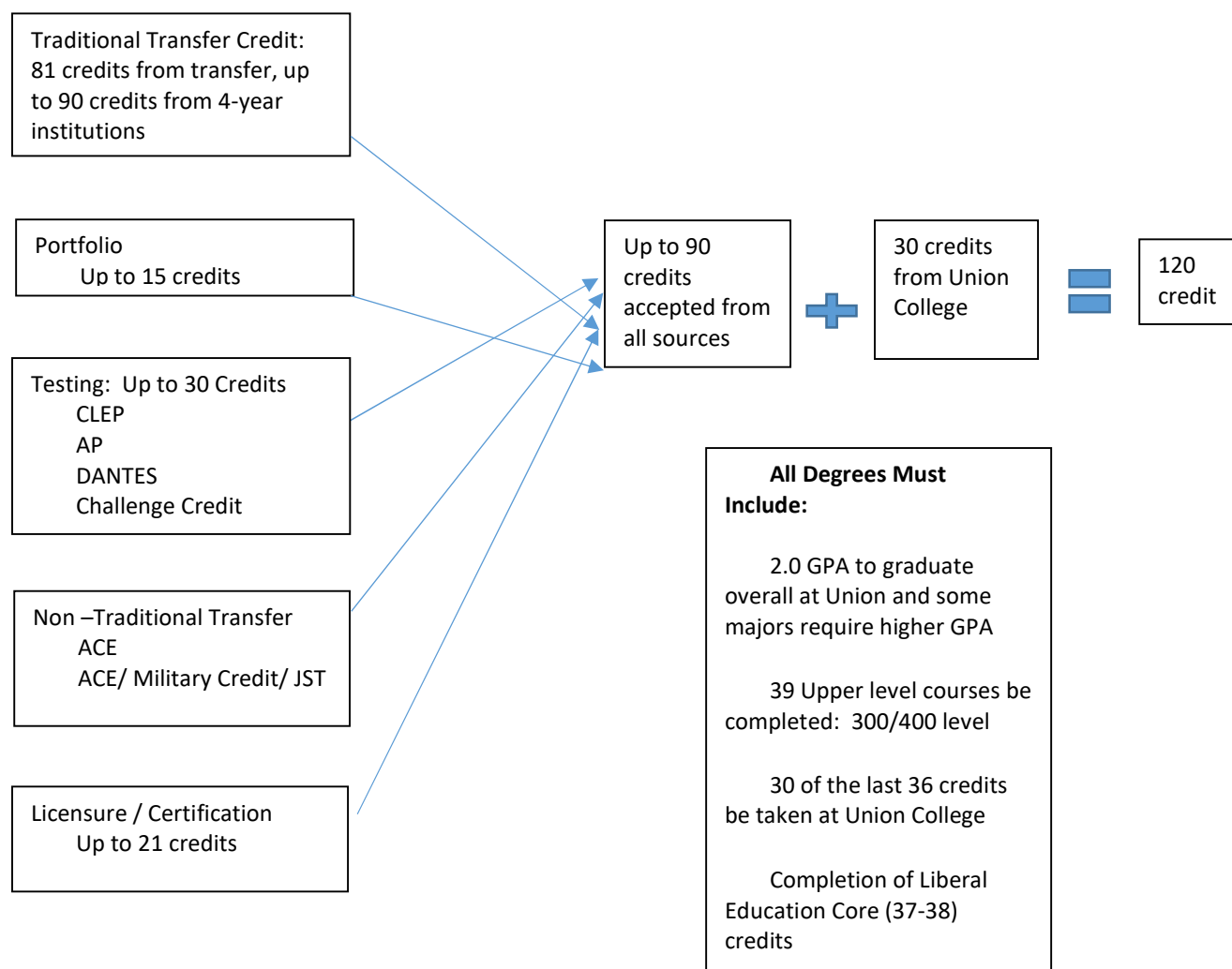


# Portfolio and Credit for Prior Learning

The Prior Learning Assessment (PLA) program provides students with the opportunity to earn credit for learning outside the confines of a traditional classroom. Students come to Union with an extensive range of experience and training, and Union recognizes that not all learning has resulted from classroom attendance; this type of learning is considered comparable to traditional university learning. The Portfolio is a method used by more than 1,200 United States colleges and universities for granting academic credit.

Currently, up to 15 credits may be earned from this source of experiential learning and applied to qualified bachelor's degree programs. College credit may also be earned through licensure/certification, CLEP testing, military service (form DD-214), the ACE corporate and military recommendations, DANTES (Defense Activity for Non-Traditional Education Support), PONSI, and other methods that enable learning and knowledge to be evaluated. Students should ask their Academic Advisor about all eligible sources; the Advisor will serve as the student's educational partner.

The Portfolio is a process to explore what students know, how they learned it, and how that learning is applicable in an academic setting. All students pursuing the Portfolio option must attend a Portfolio seminar, where all the needed tools will be provided to begin the process. This includes a sample portfolio to use as a guide to document learning experiences. Students may be able to have their learning evaluated for up to 15 college credits and all students pursuing the Portfolio are expected to submit portfolios before reaching 90 credits.



## College Level Examination Program (CLEP) Equivalencies

Examinations Title	Minimum Score	Credits	Union College
American Government	50	3	PLSC 101
American Literature	50	3	ENGL 231
Analyzing & Interpreting Lit	50	3	LEC Literature
Biology	50	4	LEC Credit with Lab
Calculus	50	4	MATH 241
Chemistry	50	4	LEC Credit with Lab
College Algebra	50	3	MATH 131
College Math	50	3	MATH 110
College Comp	50	3	ENGL 111
College Comp Modular	50	3	No Credit
English Literature	50	3	ENGL 221
Financial Accounting	50	3	ACTG 272
History of U.S. I	50	3	HIST 311
History of U.S. II	50	3	HIST 312
Human Growth and	50	3	PSYH 332
Humanities	50	3	Lower Division Elective
Information Systems	50	3	COMP 241
Intro Bus Law	50	3	BUAD 310
Intro Education Psychology	50	3	Lower Division Elective
Intro to Psychology	50	3	PSYH 200
Intro to Sociology	50	3	SOCI 131
Natural Science	50	6	BIOL 109 and GNSC
Pre-Calculus	50	3	LEC Math
Principles Macroeconomics	50	3	ECON 203
Principles of Microeconomics	50	3	ECON 204
Principles of Management	50	3	MGMT 352
Principles of Marketing	50	3	MKTG 321
Social Science & History	50	6	LEC Social Science &
Western Civ I	50	3	HIST 110
Western Civ II	50	3	HIST 211
Spanish Language Level I	50	6	SPAN 111 and SPAN
Spanish Language Level II	63	9	SPAN 111, SPAN 112, and SPAN 211

### Previous College Level Examination Program (CLEP) Policy

Degree seeking students enrolled at Union College may earn up to 30 semester hours of credit toward a four-year program. Credit may not be earned through CLEP, for courses required for teacher certification by the Kentucky Department of Education. CLEP cannot be utilized to make up a failed course. CLEP credit does not count toward the 30-hour residency requirement.

# Liberal Education Core

Total Core Hours Required | 37-38 credit hours

Skills | 12-13 Credit Hours

Course	Description	Credit Hours
<b>ENGL 111</b>	First Year Composition I (\$35 Writing Center fee)	<b>3 credit hours</b>
<b>ENGL 112</b>	First Year Composition II (\$35 Writing Center fee)	<b>3 credit hours</b>
<b>GNST 105</b>	Igniting Higher Order Thinking	<b>3 credit hours</b>
<b>Choose 1 of the following:</b>		
<b>MATH 110</b>	Topics in Contemporary Mathematics	<b>3 credit hours</b>
<b>MATH 131</b>	College Algebra	<b>3 credit hours</b>
<b>MATH 133</b>	Trigonometry and Analytic Geometry	<b>3 credit hours</b>
<b>MATH 230</b>	Elementary Probability & Statistics	<b>3 credit hours</b>
<b>MATH 241</b>	Differential Calculus & Analytic Geometry	<b>4 credit hours</b>

Arts | 3 Credit Hours

Course	Description	Credit Hours
<b>Choose 3 credit hours from the following:</b>		
<b>COMM 221</b>	Introduction to Media Studies	<b>3 credit hours</b>
<b>MUSC 121</b>	Introduction to Music	<b>3 credit hours</b>
<b>THTR 131</b>	Introduction to Theatre	<b>3 credit hours</b>
<b>Or 3 credit hours from the following:</b>		
<b>MUSC</b>	Union Singers, Bulldog Band, or Concert Band	<b>1 credit hour</b>
<b>THTR</b>	Theatre Practicum	<b>1 credit hour</b>

English Literature | 3 Credit Hours

Course	Description	Credit Hours
<b>ENGL</b>	<b>Choose any 200 level English course</b>	<b>3 credit hours</b>

History & Religious Studies | 6 Credit Hours

Course	Description	Credit Hours
<b>Choose 1 history course, 3 credit hours:</b>		
<b>HIST</b>	HIST 110 or HIST 113 or HIST 213	<b>3 credit hours</b>
<b>Choose 1 Religion or Philosophy or History Course:</b>		
<b>RLGN/PHIL</b>	Any 100 or 200 level religious studies, philosophy, or history course	<b>3 credit hours</b>

Life Skills | 3 Credit Hours

Course	Description	Credit Hours
<b>Choose 3, 3 credit hours from the following:</b>		
<b>WELL 178</b>	Life Choices	<b>3 credit hours</b>
<b>WELL 131</b>	First Aid and Safety Education	<b>3 credit hours</b>
<b>RECM 111</b>	Introduction to Recreation & Leisure	<b>3 credit hours</b>
<b>PHED 192</b>	Lifeguard Training	<b>3 credit hours</b>
<b>Or 3 credit hours from the following:</b>		
<b>PHED 1XX</b>	Activities Course	<b>1 credit hour each</b>
<b>RECM 1XX</b>	Activities Course	<b>1 credit hour each</b>

Science | 4 Credit Hours

Course	Description	Credit Hours
<b>Choose 1, 3-hour lecture course and accompanying lab or 1, 4-hour course from the following:</b>		
<b>BIOL 101</b>	Human Biology	<b>3 credit hours</b>
<b>BIOL 102</b>	Human Biology Lab	<b>1 credit hour</b>
<b>BIOL 109</b>	Elements of Biology	<b>3 credit hours</b>
<b>BIOL 110</b>	Elements of Biology Lab	<b>1 credit hour</b>
<b>GNSC 105</b>	Physical Science	<b>3 credit hours</b>
<b>GNSC 106</b>	Physical Science Lab	<b>1 credit hour</b>
<b>BIOL 111*</b>	General Biology with Lab	<b>4 credit hours</b>
<b>CHEM 121*</b>	General Chemistry I	<b>4 credit hours</b>
<b>PHYS 111</b>	College Physics I	<b>3 credit hours</b>
<b>PHYS 113</b>	College Physics Lab I	<b>1 credit hour</b>
<b>*Includes 1 hour of Lab</b>		

Social & Behavioral Sciences | 6 Credit Hours

Course	Description	Credit Hours
<b>Choose 6 credit hours from the following:</b>		
<b>ANTH 221</b>	Introduction to Cultural Anthropology	<b>3 credit hours</b>
<b>APST 104</b>	Introduction to Appalachian Studies	<b>3 credit hours</b>
<b>CRJU 101</b>	Introduction to Criminal Justice	<b>3 credit hours</b>
<b>ECON 203</b>	Principles of Macroeconomics	<b>3 credit hours</b>
<b>Or</b>		
<b>ECON 204</b>	Principles of Microeconomics	<b>3 credit hours</b>
<b>INSS 101</b>	Introduction to Social Sciences	<b>3 credit hours</b>
<b>INSS 103</b>	Cultural Geography	<b>3 credit hours</b>
<b>PLSC 101</b>	American National Government	<b>3 credit hours</b>
<b>PSYH 200</b>	Introduction to Psychology	<b>3 credit hours</b>
<b>SOCI 131</b>	Introduction to Sociology	<b>3 credit hours</b>

# Liberal Learning Outcomes

- **Liberal Learning Goal 1: Communication**

By graduation, a Union College student communicates effectively.

- **Liberal Learning Goal 2: Critical Thinking**

By graduation, a Union College student thinks critically.

- **Liberal Learning Goal 3: Cultures and the Arts**

By graduation, a Union College student demonstrates knowledge of cultures and the arts.

- **Liberal Learning Goal 4: Science and Math**

By graduation, a Union College student demonstrates the ability to use the scientific approach and mathematical reasoning to solve problems.

- **Liberal Learning Goal 5: Responsibility and Engagement**

By graduation, a Union College student understands the complexities of personal responsibility and civic engagement.

# 2020-2021 Curriculum

Degree Area	Major	Minor
<b>Undergraduate Degree Programs</b>		
Accounting	X	X
Appalachian Studies	N/A	X
Biology	X	X
Business Management	X	N/A
Chemical Dependency Counselor Certificate	Certificate	N/A
Chemistry	X	X
Coaching	N/A	X
Criminal Justice	X	X
Education, General	X	N/A
Elementary Education	X	N/A
English	X	X
Exercise Science	X	X
General Business	X	N/A
General Studies	X	N/A
General Studies, Undeclared	X	N/A
Health	N/A	X
Health & Physical Education (Teaching)	X	N/A
Health Promotion	X	N/A
History	X	X
History and Political Science	X	N/A
Human Performance	X	X
Latin American & Iberian Studies	N/A	X
Law Enforcement	N/A	X
Management	N/A	X
Marketing	X	X
Mathematics	X	X
Media Communication	X	X
Medicaid Nurse Aide Program	N/A	N/A
Middle Grades Education	X	N/A
Multi-Interdisciplinary Studies	X	N/A
Music	X	X
Nursing (Pre-Licensure)	X	N/A
Nursing (RN-BSN)	X	N/A
Philosophy	N/A	X
Physical Science	N/A	X
Physics	N/A	X
Political Science	N/A	X
Pre-Law	N/A	X
Professional Writing	N/A	X
Psychology	X	X
Recreation Management	N/A	X

<b>Religious Studies</b>	X	X
<b>Secondary Education:</b>	N/A	N/A
<b>Biology Education</b>	X	N/A
<b>Chemistry Education</b>	X	N/A
<b>English Education</b>	X	N/A
<b>Health and Physical Education</b>	X	N/A
<b>Mathematics Education</b>	X	N/A
<b>Social Studies Education</b>	X	N/A
<b>Social Media Management Certificate</b>	Certificate	N/A
<b>Sociology</b>	X	X
<b>Sports &amp; Recreation Management</b>	X	N/A
<b>Substance Abuse Counseling</b>	X	N/A
<b>Substitute Teacher Associate Degree</b>	X	N/A
<b>Theatre</b>	N/A	X

### **Pre-Professional Preparation**

Students who have an interest in professional programs or allied health fields, such as Dentistry, Engineering, Forensics, Law, Medical Technology, Medicine, Optometry, Pharmacy, Physical Therapy, or Veterinary Medicine, may fulfill entrance requirements for these schools while pursuing a bachelor's degree at Union College. Since admission requirements to professional schools vary considerably, students work with their advisor, who assists with the admission process into professional school to select an appropriate program of study. Students should inform their advisors of interests in professional schools as early as possible.

# **Union College Academic Programs**

## **Edna Jenkins Mann School of Nursing**

- **Pre-Licensure Nursing**
- **RN-BSN**

## **School of Health and Natural Sciences**

- **Natural Sciences**
- **Wellness, Human Performance & Recreation Management**

## **School of Humanities and Social Sciences**

- **English**
- **History, Religious Studies & Languages**
- **Music**
- **Social & Behavioral Sciences**

## **School of Professional and Graduate Studies**

- **Business**
- **Communication**
- **Educational Studies**
- **Online and Graduate Studies**
- **Psychology**



# EDNA JENKINS MANN SCHOOL OF NURSING

## Pre-Licensure Nursing RN to BSN

### Nursing Program Mission Statement

The Union College School of Nursing provides an environment of scholarly questioning, inquiry, and service. The liberal studies, sciences, and nursing core prepare graduates to address the holistic health care needs of diverse populations in the region and beyond, and to pursue graduate education.

### The Edna Jenkins Mann School of Nursing

The Edna Jenkins Mann School of Nursing includes two tracks, both leading to the baccalaureate degree in nursing. The pre-licensure track is designed for an individual who wants to pursue a degree in nursing but who is not currently a registered nurse. The RN to BSN track is for the registered nurse who is currently licensed and desires a broader and deeper education in nursing and the liberal arts.

The program has Approval Status with the Kentucky Board of Nursing and from SACSCOC. The baccalaureate program at Union College is accredited by CCNE (Commission on Collegiate Nursing Education) ([www.aacn.nche.edu/ccne-accreditation](http://www.aacn.nche.edu/ccne-accreditation)).

### Nursing Program Goals

The College Nursing Program seeks to:

1. Attract, develop, and retain excellent students with a passion for the art and science of nursing and lifelong learning.
2. Create an educational environment that fosters development of leaders through stimulating questioning, debate, and collaboration.
3. Graduate professionals who are caring and are prepared to use evidence, knowledge, and clinical reasoning in holistically addressing healthcare needs.

### Student Program Outcomes

The graduate of the nursing program of Union College will:

- Use the knowledge, theory, evidence, and clinical reasoning to provide nursing care for patients across the lifespan.
- Effectively express ideas in written and oral communication.
- Participate in the coordination of care through an inter-professional teamwork approach to care for individuals and groups of patients.
- Manage the provision of nursing care through effective leadership and organizational skills.
- Practice within the context of professional, ethical, regulatory, and legal codes.
- Participate in political and regulatory processes that affect the health and well-being of society.
- Evaluate and use current and relevant technology and healthcare informatics.
- Create and foster a culture of safety and quality.
- Apply teaching/learning strategies and the nursing process to health care education.
- Demonstrate behaviors that support, enhance, and promote patient health, comfort, and hope.
- Articulate the value of lifelong learning within the nursing profession and develop a plan for continued education and educational mobility.

### Pre-Licensure Nursing Track Admissions Procedure and Criteria

Students who wish to pursue the pre-licensure nursing major are admitted to Union College as pre-nursing majors. During the first two (2) years of college, pre-nursing students complete Union College Core requirements and prerequisites for the program. Admission to the College is not a guarantee of admission to the upper division nursing major. Pre-nursing students who meet minimum criteria for admission to the nursing major may apply for admission to the program. Please note that admission to the nursing major is a competitive process and the most qualified students will be selected for admission to the major using the criteria described below.

Applications for the upper division major will be available each fall. The deadline for submission of completed applications is posted each year. Students who are not selected one year must reapply to be considered the following year.

### **Honors in the School of Nursing and Health Sciences**

Students majoring in Nursing may apply to the School Dean in the fall of their junior year to be considered for departmental honors. To receive departmental honors at graduation, a student must meet the following criteria:

- Earn overall GPA of 3.25
- Complete a one-hour independent study that includes service and/or research
- Produce a presentation and/or publication related to the independent study

### **Admission Criteria**

- Cumulative GPA of 2.75 as reported by all institution(s) attended. Please note this is the minimum GPA for application. The GPA needed for admission usually will be much higher.
- Completion of all NURSING prerequisites or approved substitutes before the beginning of the fall semester for which the application is submitted. All prerequisites must be completed with a grade of “C” or better.

### **Prerequisites are listed below:**

NURS 101 Introduction to Professional Nursing  
BIO 101 Human Biology, prerequisite to all other Biology requirements  
Or BIOL 109 Elements of Biology (prerequisite to all other Biology requirements)  
CHEM 230 General, Organic & Biochemistry  
BIOL 330 Vertebrate Anatomy & Histology  
BIOL 331 Human Physiology  
BIOL 235 Microbiology for Health Professionals  
NURS 310 Foundations Professional Nursing Practice  
PSYH 200 Introduction to Psychology  
PSYH 332 Lifespan Development  
WELL 361 Principles of Nutrition or ATHT 310 Sports Nutrition for Health Professionals

- Completion of all Liberal Education Core classes before the beginning of the fall semester for which the application is submitted.
- Minimum ACT score of 18 reported to Union College.
- Test of Essential Academic Skills (TEAS) Score reported to Union College. Prospective students may take the TEAS exam twice (at least 60 days apart). The higher of the first two attempts will be considered. Exam offerings at Union College will be during the fall semester.

Students who elect to take the TEAS exam at another testing site must release scores to Union College at the time the exam is taken. For more information about the TEAS exam, including alternate testing locations, please visit: [www.atitesting.com/solutions/prenursingschool/teas.aspx](http://www.atitesting.com/solutions/prenursingschool/teas.aspx).

### **Admission to the Nursing Major**

Completed applications to the major will be reviewed by the Nursing Faculty Committee on Admission and the most qualified students will be selected by the following weighted score of criteria:

- Cumulative GPA 25%
- ACT Score 25%
- TEAS Score 50%

Students may be accepted, placed on a wait list, or declined admission to the major. Students will be notified by official Union College email or U.S. mail (for transfer students not currently enrolled at Union College) of the admission decision by January.

### **Pre-Licensure Required Nursing Courses | 55 Hours**

Class Name		Credit Hours
<b>NURS 301</b>	<b>Foundations Professional Nursing Practice</b>	<b>4 credit hours</b>
<b>NURS 302</b>	<b>Foundations Professional Nursing Practice Clinical</b>	<b>2 credit hours</b>
<b>NURS 305</b>	<b>Pharmacology I</b>	<b>2 credit hours</b>
<b>NURS 314</b>	<b>Health Assessment</b>	<b>3 credit hours</b>
<b>NURS 315</b>	<b>Foundations &amp; Pharmacology Lab</b>	<b>1 credit hour</b>
<b>NURS 321</b>	<b>Concepts Adult &amp; Geriatric Nursing</b>	<b>3 credit hours</b>
<b>NURS 325</b>	<b>Adult &amp; Geriatric Health Clinical</b>	<b>3 credit hours</b>
<b>NURS 331</b>	<b>Mother-Baby &amp; Pediatric Nursing</b>	<b>3 credit hours</b>
<b>NURS 335</b>	<b>Mother-Baby &amp; Pediatric Nursing Clinical</b>	<b>2 credit hours</b>
<b>NURS 336</b>	<b>Transcultural Nursing</b>	<b>3 credit hours</b>
<b>NURS 360</b>	<b>Evidence Based Practice &amp; Research</b>	<b>3 credit hours</b>
<b>NURS 401</b>	<b>Introduction to Community Health</b>	<b>1 credit hour</b>
<b>NURS 403</b>	<b>Community &amp; Family Clinical</b>	<b>1 credit hour</b>
<b>NURS 405</b>	<b>Pharmacology II</b>	<b>3 credit hours</b>
<b>NURS 411</b>	<b>Mental Health Nursing</b>	<b>2 credit hours</b>
<b>NURS 415</b>	<b>Mental Health Nursing Clinical</b>	<b>1 credit hour</b>
<b>NURS 423</b>	<b>Community Health Nursing</b>	<b>2 credit hours</b>
<b>NURS 425</b>	<b>Community Health Nursing Clinical</b>	<b>1 credit hour</b>
<b>NURS 430</b>	<b>Management/Leadership</b>	<b>3 credit hours</b>
<b>NURS 444</b>	<b>Emerging &amp; Persistent Issues in Nursing Healthcare</b>	<b>3 credit hours</b>
<b>NURS 451</b>	<b>Concepts Adult &amp; Geriatric Health II</b>	<b>3 credit hours</b>
<b>NURS 455</b>	<b>Adult &amp; Geriatric Health II Clinical</b>	<b>3 credit hours</b>
<b>NURS 475</b>	<b>Senior Practicum</b>	<b>3 credit hours</b>

### **RN to BSN Online Track**

The RN to BSN Nursing Major at Union College offers registered nurses with the Associate in Applied Science degree in Nursing or a hospital diploma in nursing, the opportunity to earn the Bachelor of Science in Nursing (BSN). The curriculum is arranged for the nurse who works full time; most students will be able to complete requirements in two and one-half academic years. With the increased focus in nursing on graduate study at both the master's and doctoral degree levels, earning a bachelor's degree in Nursing is essential.

### **Criteria for Admission and Progression**

Students are eligible for admission who have earned an associate degree or diploma in nursing from a regionally accredited institution, and who are licensed to practice nursing in Kentucky or a compact state. Students must have achieved a grade of C or higher in all science courses taken prior to entrance. Nursing students may be admitted to Nursing with a GPA of 2.00.

### **Requirements for the RN to BSN Program | 33 Hours**

Class Name		Credit Hours
<b>NURS 300</b>	<b>The Professional Role</b>	<b>3 credit hours</b>
<b>NURS 314</b>	<b>Health Assessment</b>	<b>3 credit hours</b>
<b>NURS 332</b>	<b>Nursing Theory</b>	<b>1 credit hour</b>
<b>NURS 334</b>	<b>Healthcare Policy &amp; Finance</b>	<b>3 credit hours</b>
<b>NURS 336</b>	<b>Transcultural Nursing</b>	<b>3 credit hours</b>
<b>NURS 338</b>	<b>Healthcare Informatics</b>	<b>3 credit hours</b>
<b>NURS 340</b>	<b>Pathophysiology</b>	<b>3 credit hours</b>

<b>NURS 360</b>	<b>Evidence Based Practice &amp; Research</b>	<b>3 credit hours</b>
<b>NURS 426</b>	<b>Community Health Nursing &amp; Clinical</b>	<b>4 credit hours</b>
<b>NURS 435</b>	<b>Management &amp; Leadership in Nursing &amp; Clinical</b>	<b>4 credit hours</b>
<b>NURS 444</b>	<b>Emerging &amp; Persistent Issues in Nursing Healthcare</b>	<b>3 credit hours</b>

# SCHOOL OF HEALTH & NATURAL SCIENCES

## Biology Major

Requirements for Biology Major | 52 Semester Hours

35-36 semester hours in Biology including:

Class Name	Credit Hours
<b>BIOL 111</b> General Biology	4 credit hours
<b>BIOL 232</b> General Zoology	4 credit hours
<b>BIOL 233</b> General Botany	4 credit hours
<b>BIOL 362</b> Transmission & Population Genetics	4 credit hours
<b>BIOL 363</b> Molecular Genetics	4 credit hours
<b>BIOL 431</b> Cell Biology	4 credit hours
<b>BIOL 441</b> Ecology	4 credit hours
<b>2 Biology Electives (300 or 400 level)</b>	7-8 credit hours
<b>CHEM 121</b> General Chemistry I	4 credit hours
<b>CHEM 122</b> General Chemistry II	4 credit hours
<b>GNSC 471</b> Science Seminar	1 credit hour

One of the following groups:

<b>PHYS 111</b> College Physics I	3 credit hours
<b>PHYS 112</b> College Physics II	3 credit hours
<b>PHYS 113</b> College Physics Lab I	1 credit hour
<b>PHYS 114</b> College Physics Lab II	1 credit hour

Or

<b>PHYS 211</b> General Physics I	4 credit hours
<b>PHYS 212</b> General Physics II	4 credit hours
<b>PHYS 213</b> General Physics Lab I	1 credit hour
<b>PHYS 214</b> General Physics Lab II	1 credit hour

Requirements for Biology **Minor** | 24 Semester Hours

24 semester hours in Biology are required; the following courses must be included:

Class Name	Credit Hours
<b>BIOL 111</b> General Biology	4 credit hours
<b>BIOL 232</b> General Zoology	4 credit hours

And

<b>BIOL 233</b> General Botany	4 credit hours
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## Chemistry

Requirements for B.S. Chemistry Major | 54 Semester Hours

32 semester hours in Chemistry including:

Class Name	Credit Hours
<b>CHEM 121</b> General Chemistry I	4 credit hours
<b>CHEM 122</b> General Chemistry II	4 credit hours
<b>CHEM 212</b> Analytical Chemistry	4 credit hours
<b>CHEM 311</b> Organic Chemistry I	5 credit hours
<b>CHEM 312</b> Organic Chemistry	5 credit hours

<b>CHEM 314</b>	<b>Physical Chemistry Lab</b>	<b>1 credit hour</b>
<b>CHEM 332*</b>	<b>Physical Chemistry</b>	<b>3 credit hours</b>
<b>GNSC 471</b>	<b>Science Seminar</b>	<b>1 credit hour</b>
<b>MATH 241</b>	<b>Differential Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>MATH 242</b>	<b>Intermediate Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>PHYS 211*</b>	<b>General Physics I</b>	<b>4 credit hours</b>
<b>PHYS 212*</b>	<b>General Physics II</b>	<b>4 credit hours</b>
<b>PHYS 213*</b>	<b>General Physics Lab I</b>	<b>1 credit hour</b>
<b>PHYS 214*</b>	<b>General Physics Lab II</b>	<b>1 credit hour</b>
<b>PHYS 331*</b>	<b>Heat and Thermodynamics</b>	<b>3 credit hours</b>
<b>CHEM 300+</b>	<b>Chemistry Electives at or above 300-level</b>	<b>6 credit hours</b>
<b>*Students should be aware that these courses have MATH prerequisites beyond MATH 241</b>		

Requirements for B.A. Chemistry Major | 44-48 Semester Hours  
 28 semester hours in Chemistry including:

<b>Class Name</b>	<b>Credit Hours</b>
<b>CHEM 121</b> General Chemistry I	<b>4 credit hours</b>
<b>CHEM 122</b> General Chemistry II	<b>4 credit hours</b>
<b>CHEM 212</b> Analytical Chemistry	<b>4 credit hours</b>
<b>CHEM 311</b> Organic Chemistry I	<b>5 credit hours</b>

One of the following 3 courses:

<b>CHEM 313</b> Descriptive Physical Chemistry	<b>3 credit hours</b>
<b>CHEM 332*</b> Physical Chemistry	<b>3 credit hours</b>
<b>PHYS 331*</b> Heat and Thermodynamics	<b>3 credit hours</b>
<b>CHEM 314</b> Physical Chemistry Lab	<b>1 credit hour</b>
<b>CHEM 411</b> Inorganic Chemistry	<b>4 credit hours</b>
<b>GNSC 471</b> Science Seminar	<b>1 credit hour</b>
<b>MATH 241</b> Differential Calculus & Analytic Geometry	<b>4 credit hours</b>
<b>CHEM, PHYS, MATH Electives (MATH 132 or higher)</b>	<b>6-8 credit hours</b>

One of the following groups:

<b>PHYS 111</b> College Physics I	<b>3 credit hours</b>
<b>PHYS 112</b> College Physics II	<b>3 credit hours</b>
<b>PHYS 113</b> College Physics Lab I	<b>1 credit hour</b>
<b>PHYS 114</b> College Physics Lab II	<b>1 credit hour</b>
<b>PHYS 211*</b> General Physics I	<b>4 credit hours</b>

OR

<b>PHYS 212*</b> General Physics II	<b>4 credit hours</b>
<b>PHYS 213*</b> General Physics Lab I	<b>1 credit hour</b>
<b>PHYS 214*</b> General Physics Lab II	<b>1 credit hour</b>

**\*Students should be aware that these courses have MATH prerequisites beyond MATH 241.**

## Requirements for Chemistry **Minor** | 22 Semester Hours

22 semester hours in Chemistry including:

<b>Class Name</b>	<b>Credit Hours</b>
<b>CHEM 121 General Chemistry I</b>	<b>4 credit hours</b>
<b>CHEM 122 General Chemistry II</b>	<b>4 credit hours</b>
<b>CHEM 311 Organic Chemistry I</b>	<b>5 credit hours</b>
<b>CHEM 312 Organic Chemistry II</b>	<b>5 credit hours</b>
<b>CHEM 212 Analytical Chemistry</b>	<b>4 credit hours</b>
<b>Or</b>	
<b>CHEM 411 Inorganic Chemistry</b>	<b>4 credit hours</b>

## Mathematics

Requirements for Mathematics Major | 43 semester hours in Mathematics including:

<b>Class Name</b>	<b>Credit Hours</b>
<b>MATH 133 Trigonometry and Analytic Geometry</b>	<b>3 credit hours</b>
<b>*MATH 134 is not part of the MATH Major core, but should be taken prior to MATH 241 by anyone that has not completed a specific trigonometry course in high school or college</b>	
<b>MATH 241 Differential Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>MATH 242 Integral Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>MATH 243 Multivariate Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>MATH 321** Discrete Mathematics</b>	<b>3 credit hours</b>
<b>**MATH 321 is a prerequisite to all remaining MATH 300 and 400 level courses</b>	
<b>MATH 331 Introduction to Linear Algebra I</b>	<b>3 credit hours</b>
<b>MATH 341 Differential Equations I</b>	<b>3 credit hours</b>
<b>MATH 403 Introduction to Analysis</b>	<b>3 credit hours</b>
<b>MATH 433 Introduction to Abstract Algebra</b>	<b>3 credit hours</b>
<b>PHYS 211 General Physics</b>	<b>4 credit hours</b>

And

<b>PHYS 213 General Physics Lab 1</b>	<b>1 credit hour</b>
<b>PHYS 212 General Physics II</b>	<b>4 credit hours</b>

And

<b>PHYS 214 General Physics Lab II</b>	<b>1 credit hour</b>
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Choose 1 of the following:

<b>MATH 301 Principles of Geometry</b>	<b>3 credit hours</b>
<b>COMP 250 Introductory Programming</b>	<b>3 credit hours</b>
<b>MATH 372 Probability &amp; Math Statistics</b>	<b>3 credit hours</b>

Choose 1 of the following:

<b>MATH 332 Linear Algebra</b>	<b>3 credit hours</b>
<b>MATH 342 Differential Equations II</b>	<b>3 credit hours</b>
<b>MATH 402 Functions of a Complex Variable</b>	<b>3 credit hours</b>

Requirements for Mathematics **Minor** | 24 semester hours in Mathematics including:

<b>Class Name</b>	<b>Credit Hours</b>
<b>MATH 133 Trigonometry and Analytic Geometry</b>	<b>3 credit hours</b>
<b>MATH 241 Differential Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>

<b>MATH 242</b>	<b>Integral Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>MATH 243</b>	<b>Multivariate Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>MATH 321</b>	<b>*Discrete Mathematics</b>	<b>3 credit hours</b>
<b>MATH 331</b>	<b>Introduction to Linear Algebra</b>	<b>3 credit hours</b>
<b>MATH Elective (must be 300 or 400 level course)</b>		<b>3 credit hours</b>

**Or**

<b>COMP 250</b>	<b>Introductory Programming</b>	<b>3 credit hours</b>
<b>*MATH 321 is a prerequisite to remaining MATH 300/400 level courses</b>		

## Physical Science

Requirements for Physical Science Minor | At Least 29-31 Credit Hours

At least 23 semester hours in Physics and/or Chemistry, including:

<b>Class Name</b>		<b>Credit Hours</b>
<b>Two (2) sequential semesters of freshman Physics and lab from either algebra-based track or the calculus-based track (PHYS 111/PHYS 112/PHYS 113/PHYS 114 or PHYS 211/PHYS 212/PHYS 213/PHYS 214):</b>		
<b>PHYS 111</b>	College Physics I	<b>3 credit hours</b>
<b>PHYS 112</b>	College Physics II	<b>3 credit hours</b>
<b>PHYS 113</b>	College Physics Lab I	<b>1 credit hour</b>
<b>PHYS 114</b>	College Physics Lab II	<b>1 credit hour</b>
<b>Or</b>		
<b>PHYS 211</b>	General Physics I	<b>4 credit hours</b>
<b>PHYS 212</b>	General Physics II	<b>4 credit hours</b>
<b>PHYS 213</b>	General Physics Lab I	<b>1 credit hour</b>
<b>PHYS 214</b>	General Physics Lab II	<b>1 credit hour</b>
<b>PHYS 304</b>	Modern Physics	<b>3 credit hours</b>
<b>CHEM 121</b>	General Chemistry I	<b>4 credit hours</b>
<b>CHEM 122</b>	General Chemistry II	<b>4 credit hours</b>
<b>CHEM 314</b>	Physical Chemistry Lab	<b>1 credit hour</b>
<b>And one of the following three courses:</b>		
<b>CHEM 313</b>	Descriptive Physical Chemistry	<b>3 credit hours</b>
<b>CHEM 332</b>	Physical Chemistry	<b>3 credit hours</b>
<b>PHYS 331</b>	Heat and Thermodynamics	<b>3 credit hours</b>
<b>Plus 6 hours of electives to be chosen from Chemistry, Physics, or Math (MATH 321, Discrete Mathematics, or higher)</b>		

## Physics

Requirements for Physics Minor | 36 Credit Hours

36-39 semester hours in Physics including: 17 to 20 hours in Physics; 4 hours in Chemistry; 12 hours in Calculus; and 3 hours of Electives. The following courses are required:

<b>Class Name</b>		<b>Credit Hours</b>
<b>PHYS 211</b>	General Physics I	<b>4 credit hours</b>
<b>PHYS 212</b>	General Physics II	<b>4 credit hours</b>
<b>PHYS 213</b>	General Physics Lab I	<b>1 credit hour</b>
<b>PHYS 214</b>	General Physics Lab II	<b>1 credit hour</b>



<b>PHYS 304</b>	Modern Physics	<b>3 credit hours</b>
<b>PHYS 305</b>	Problem Solving in Modern Physics	<b>1 credit hour</b>
<b>PHYS 331</b>	Heat and Thermodynamics	<b>3 credit hours</b>
<b>CHEM 314</b>	Physical Chemistry Lab	<b>1 credit hour</b>
<b>CHEM 332</b>	Physical Chemistry	<b>3 credit hours</b>
<b>MATH 241</b>	Differential Calculus & Analytic Geometry	<b>4 credit hours</b>
<b>MATH 242</b>	Intermediate Calculus & Analytic Geometry	<b>4 credit hours</b>
<b>MATH 243</b>	Advanced Calculus & Analytic Geometry	<b>4 credit hours</b>

**And 3 hours of electives to be chosen from:**

<b>PHYS 402</b>	The Physics of Solids	<b>3 credit hours</b>
<b>COMP 250 (or higher)</b>	Introductory Programming	<b>3 credit hours</b>

**Or**

<b>MATH 332 (or higher)</b>	Linear Algebra	<b>3 credit hours</b>
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### **Exercise Science**

Forty-four (44)-50 required semester hours which must include the following, plus 3-5 hours of activity courses. Exercise Science majors can count only 3 activity courses toward the major. If more than 3 activity courses are taken, the first 3 courses will count toward the major's GPA. A maximum of 8 semester hours of activity courses may be credited toward graduation.

Requirements for Exercise Science Major (B.S.) | 44 - 50 Required Semester Hours

<b>Class Name</b>	<b>Credit Hours</b>
<b>Science Core, 14-15 required hours:</b>	
<b>BIOL 101 Human Biology</b>	<b>3 credit hours</b>
<b>Or</b>	
<b>BIOL 109 Elements of Biology</b>	<b>3 credit hours</b>
<b>BIOL 330 Vertebrate Anatomy &amp; Histology</b>	<b>4 credit hours</b>
<b>BIOL 331 Human Physiology</b>	<b>4 credit hours</b>
<b>CHEM 230 General, Organic &amp; Biochemistry</b>	<b>3 credit hours</b>
<b>Or</b>	
<b>CHEM 121 General Chemistry 1</b>	<b>4 credit hours</b>

### **Exercise Science Core, 27-30 required hours:**

<b>HMPF 441 Exercise Assessment &amp; Prescription (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>PHED 241 History/Philosophy of Physical Education</b>	<b>3 credit hours</b>
<b>PHED 340 Motor Development</b>	<b>3 credit hours</b>
<b>PHED 351 Tests and Measurement in Health &amp; Physical Education</b>	<b>3 credit hours</b>
<b>PHED 361 Organization &amp; Administration: Physical Education</b>	<b>3 credit hours</b>
<b>PHED 410 Exercise Physiology (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>PHED 421 Kinesiology (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>EXSC 485 Exercise Science Internship</b>	<b>3-6 credit hours</b>
<b>WELL 131 First Aid and Safety Education</b>	<b>3 credit hours</b>

**Activity Courses (3 classes, 3-5 hours):**

<b>PHED 111</b>	<b>Beginning Swimming</b>	<b>1 credit hour</b>
<b>PHED 112</b>	<b>Intermediate Swimming</b>	<b>1 credit hour</b>
<b>PHED 114</b>	<b>Water Aerobics</b>	<b>1 credit hour</b>
<b>PHED 116</b>	<b>Yoga</b>	<b>1 credit hour</b>
<b>PHED 121</b>	<b>Team Sports</b>	<b>1 credit hour</b>
<b>PHED 122</b>	<b>Volleyball</b>	<b>1 credit hour</b>
<b>PHED 132</b>	<b>Golf</b>	<b>1 credit hour</b>
<b>PHED 133</b>	<b>Tennis and Badminton</b>	<b>1 credit hour</b>
<b>PHED 134</b>	<b>Personal Fitness &amp; Aerobic Activities</b>	<b>1 credit hour</b>
<b>PHED 136</b>	<b>Weight Training</b>	<b>1 credit hour</b>
<b>RECM 190</b>	<b>Special Topics</b>	<b>1 credit hour</b>
<b>PHED 192</b>	<b>Lifeguard Training</b>	<b>3 credit hours</b>

**Requirements for Exercise Science Minor | 26 Hours**

Twenty-six (26) semester hours, which must include all required classes listed below. Note: students who declare the Exercise Science **Minor** may not declare a major or **minor** in Human Performance.

<b>Class Name</b>	<b>Credit Hours</b>
<b>PHED 351 Tests and Measurement in Health &amp; Physical Education</b>	<b>3 credit hours</b>
<b>PHED 410 Exercise Physiology (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>PHED 421 Kinesiology (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>HMPF 441 Exercise Assessment &amp; Prescription (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>BIOL 330 Vertebrate Anatomy &amp; Histology</b>	<b>4 credit hours</b>
<b>BIOL 331 Human Physiology</b>	<b>4 credit hours</b>
<b>PHED 340 Motor Development</b>	<b>3 credit hours</b>
<b>WELL 131 First Aid and Safety Education</b>	<b>3 credit hours</b>

**Health Promotion**

The Health Promotion major is designed for individuals who do not wish to enter the teaching profession but do wish to seek employment in a health-related position. Requires 36-39 semester hours, plus 6 hours of elective courses (selected from Health Promotion Elective courses):

Program Core, 33-36 hours:

**Requirements for Health Promotion Major (B.S.) | 36 - 39 Required Semester Hours**

<b>Class Name</b>	<b>Credit Hours</b>
<b>WELL 131 First Aid and Safety Education</b>	<b>3 credit hours</b>
<b>WELL 178 Life Choices</b>	<b>3 credit hours</b>
<b>WELL 252 Mental Health</b>	<b>3 credit hours</b>
<b>WELL 272 Drugs and Society</b>	<b>3 credit hours</b>
<b>WELL 275 Foundations of Health Science</b>	<b>3 credit hours</b>
<b>WELL 311 Health Education - K-12</b>	<b>3 credit hours</b>
<b>WELL 340 Anatomy &amp; Physiology</b>	<b>3 credit hours</b>
<b>WELL 350 Administration of Public Health</b>	<b>3 credit hours</b>
<b>WELL 361 Principles of Nutrition</b>	<b>3 credit hours</b>

Or

<b>WELL 461</b>	<b>Nutrition for Special Needs</b>	<b>3 credit hours</b>
<b>WELL 485</b>	<b>Health Promotion Internship</b>	<b>3-6 credit hours</b>
<b>6 hours of Health Promotion Elective courses:</b>		
<b>PHED 351</b>	<b>Tests and Measurement in Health &amp; Physical Education</b>	<b>3 credit hours</b>
<b>WELL 451</b>	<b>School and Community Health Workshop</b>	<b>3 credit hours</b>
<b>WELL 461</b>	<b>Nutrition for Special Needs</b>	<b>3 credit hours</b>
<b>WELL 475</b>	<b>Critical Areas in Health</b>	<b>3 credit hours</b>
<b>WELL 495</b>	<b>Independent Study</b>	<b>1-3 credit hours</b>

Requirements for Health & Physical Education (Teaching) B.S. Major | 38 More Hours (See Education Section)

Students preparing to teach in Kentucky will receive both elementary and secondary certification by fulfilling the requirements of this program and passing the Praxis II test. It is strongly recommended that those students pursuing teaching certification in physical education also pursue a health major. Please consult the Educational Studies section of the catalogue to determine other requirements for admission to and completion of the Teacher Education program.

**Human Performance**

Requirements for Human Performance B.S. Major | 37-39 Required Semester Hours

Thirty-seven (37)-39 required hours which includes 4 hours of Human Performance Service courses. The Human Performance major is designed for individuals who do not wish to enter the teaching profession but do wish to seek employment in a sport related profession.

Human Performance Core:

<b>Class Name</b>	<b>Credit Hours</b>
<b>HMPF 435 Social Psychology of Sport &amp; Human Performance</b>	<b>3 credit hours</b>
<b>HMPF 441 Exercise Assessment &amp; Prescription (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>PHED 241 History/Philosophy of Physical Education</b>	<b>3 credit hours</b>
<b>PHED 275 Principles: Elementary Movement Form</b>	<b>3 credit hours</b>
<b>PHED 340 Motor Development</b>	<b>3 credit hours</b>
<b>PHED 351 Tests and Measurement in Health &amp; Physical Education</b>	<b>3 credit hours</b>
<b>PHED 361 Organization &amp; Administration: Physical Education</b>	<b>3 credit hours</b>
<b>PHED 410 Exercise Physiology (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>PHED 421 Kinesiology (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>RECM 350 Recreation Administration &amp; Leadership</b>	<b>3 credit hours</b>
<b>WELL 340 Anatomy &amp; Physiology</b>	<b>3 credit hours</b>

4-6 hours of Human Performance Service courses (choose 4, 1-hour courses) from the following:

<b>PHED 111</b>	<b>Beginning Swimming</b>	<b>1 credit hour</b>
<b>PHED 112</b>	<b>Intermediate Swimming</b>	<b>1 credit hour</b>
<b>PHED 114</b>	<b>Water Aerobics</b>	<b>1 credit hour</b>
<b>PHED 116</b>	<b>Yoga</b>	<b>1 credit hour</b>

<b>PHED 121</b>	<b>Team Sports</b>	<b>1 credit hour</b>
<b>PHED 122</b>	<b>Volleyball</b>	<b>1 credit hour</b>
<b>PHED 132</b>	<b>Golf</b>	<b>1 credit hour</b>
<b>PHED 133</b>	<b>Tennis and Badminton</b>	<b>1 credit hour</b>
<b>PHED 134</b>	<b>Personal Fitness &amp; Aerobic Activities</b>	<b>1 credit hour</b>
<b>PHED 135</b>	<b>Canoe and Kayaking</b>	<b>1 credit hour</b>
<b>PHED 136</b>	<b>Weight Training</b>	<b>1 credit hour</b>
<b>RECM 190</b>	<b>Special Topics</b>	<b>1 credit hour</b>
<b>PHED 192</b>	<b>Lifeguard Training</b>	<b>3 credit hours</b>

#### Requirements for Human Performance **Minor** | 21 Hours

Twenty-one (21) semester hours, which must include 15 hours of required courses, plus 6 hours of elective courses (2, 3-hour courses). Note: only one nutrition course may be used to fulfill the elective component of this minor. If both are taken, only the first one may count toward the minor.

<b>Class Name</b>		<b>Credit Hours</b>
<b>Required courses, 15 hours:</b>		
<b>PHED 351</b>	<b>Tests and Measurement in Health &amp; Physical Education</b>	<b>3 credit hours</b>
<b>PHED 410</b>	<b>Exercise Physiology (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>PHED 421</b>	<b>Kinesiology (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>HMPF 441</b>	<b>Exercise Assessment &amp; Prescription (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>WELL 340</b>	<b>Anatomy &amp; Physiology</b>	<b>3 credit hours</b>
<b>Elective courses, 6 hours:</b>		
<b>HMPF 435</b>	<b>Social Psychology of Sport &amp; Human Performance</b>	<b>3 credit hours</b>
<b>PHED 275</b>	<b>Principles: Elementary Movement Form</b>	<b>3 credit hours</b>
<b>PHED 340</b>	<b>Motor Development</b>	<b>3 credit hours</b>
<b>PHED 361</b>	<b>Organization &amp; Administration: Physical Education</b>	<b>3 credit hours</b>
<b>PHED 420</b>	<b>Physical Education: Exceptional Child</b>	<b>3 credit hours</b>
<b>WELL 361*</b>	<b>Principles of Nutrition</b>	<b>3 credit hours</b>
<b>Or</b>		
<b>WELL 461*</b>	<b>Nutrition for Special Needs</b>	<b>3 credit hours</b>
<b>*Only one nutrition course may be used to fill elective block</b>		

#### **Sports and Recreation Management**

##### Requirements for Sports & Recreation Management Major (B.S.) | 55 Required Semester Hours

Twenty-four (24) required hours from Program Core plus 31 hours from either the Recreation Management Emphasis or the Sports Management Emphasis. This program provides students with the knowledge, skills, and confidence to handle a wide array of professional opportunities in public and non-profit sports and recreation program management. The major also prepares students for life-long involvement in leisure activities. Opportunities for careers may exist with professional sports teams, YMCA, health clubs, sporting goods sales, athletic management, parks, public-lands agencies, outfitters, commercial and non-profit recreation providers.

<b>Class Name</b>	<b>Credit Hours</b>
<b>Program Core, 24 required hours:</b>	
<b>RECM 111 Introduction to Recreation &amp; Leisure</b>	<b>3 credit hours</b>
<b>RECM 250 Recreation Programming</b>	<b>3 credit hours</b>
<b>RECM 350 Recreation Administration &amp; Leadership</b>	<b>3 credit hours</b>
<b>BUAD 151 Business Essentials</b>	<b>3 credit hours</b>
<b>PHED 420 Physical Education: Exceptional Child</b>	<b>3 credit hours</b>
<b>ACTG 270 Accounting for Managers</b>	<b>3 credit hours</b>
<b>MGMT 352 Principles of Management</b>	<b>3 credit hours</b>
<b>MKTG 321 Principles of Marketing</b>	<b>3 credit hours</b>
<b>Recreation Management Emphasis, 31 required hours:</b>	
<b>RECM 130 Wilderness Survival</b>	<b>3 credit hours</b>
<b>RECM 201 Principles of Outdoor Recreation</b>	<b>3 credit hours</b>
<b>RECM 235 Wilderness Adventure &amp; Education</b>	<b>3 credit hours</b>
<b>RECM 237 Expedition Planning</b>	<b>3 credit hours</b>
<b>RECM 333 Recreation Visitor Behavior</b>	<b>3 credit hours</b>
<b>RECM 411 Interpretive Methods</b>	<b>3 credit hours</b>
<b>RECM 475 Philosophy of Recreation Management</b>	<b>3 credit hours</b>
<b>RECM 480 Environmental Ethics</b>	<b>3 credit hours</b>
<b>RECM 485 Recreation Management Internship*</b>	<b>6 credit hours</b>
<b>*May be repeated for credit</b>	
<b>A 1-hour RECM activity or certification course</b>	<b>1 credit hour</b>
<b>Sports Management Emphasis, 31 required hours:</b>	
<b>WELL 340 Anatomy &amp; Physiology</b>	<b>3 credit hours</b>
<b>PHED 241 History/Philosophy of Physical Education</b>	<b>3 credit hours</b>
<b>PHED 351 Tests and Measurement in Health &amp; Physical Education</b>	<b>3 credit hours</b>
<b>PHED 361 Organization &amp; Administration: Physical Education</b>	<b>3 credit hours</b>
<b>PHED 421 Kinesiology (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>HMPF 435 Social Psychology of Sport &amp; Human Performance</b>	<b>3 credit hours</b>
<b>HMPF 441 Exercise Assessment &amp; Prescription (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>PHED 471 Sports Management Internship</b>	<b>6 credit hours</b>
<b>4-6 hours of activities courses (4 courses, 1-3 hours each), may be repeated</b>	<b>4-6 credit hrs</b>

## **Coaching Minor**

### Requirements for Coaching Minor | 21 Hours

Twenty-one (21) credit hours including 15 hours that cannot be applied to student's major area of study and/or the Liberal Education Core and one required course, WELL 131, First Aid and Safety Education. Coaching minors must acquire CPR and First Aid certification. Students must obtain a grade of "C" or higher in each of the 21 hours that count toward the minor. The minor is designed to provide students with knowledge, skills, and experiences that will enable them to coach effectively and safely in school, community-youth, and adult sports programs. Students will have the opportunity to develop essential coaching and performance skills as well as requisite knowledge in related areas including athletic training, sport science, and sport management. This minor is also useful to those who work with youth in sports leagues.

<b>Class Name</b>	<b>Credit Hours</b>
<b>WELL 131</b> First Aid and Safety Education (required course)	<b>3 credit hours</b>
<b>ATHT 131</b> Basic Athletic Training	<b>3 credit hours</b>
<b>PSYH 332</b> Lifespan Development	<b>3 credit hours</b>
<b>PHED 243</b> Philosophy of Coaching	<b>3 credit hours</b>
<b>PHED 340</b> Motor Development	<b>3 credit hours</b>
<b>HMPF 435</b> Social Psychology of Sport & Human Performance	<b>3 credit hours</b>
<b>PHED 361</b> Organization & Administration: Physical Education	<b>3 credit hours</b>
<b>PHED 201</b> Coaching Football	<b>3 credit hours</b>
<b>PHED 202</b> Coaching Men's & Women's Basketball	<b>3 credit hours</b>
<b>PHED 203</b> Coaching Soccer	<b>3 credit hours</b>
<b>PHED 204</b> Coaching Baseball & Softball	<b>3 credit hours</b>

### Health Minor

#### Requirements for Health Minor | 25 Credit Hours

Twenty-five (25) semester hours, which must include all of the required classes listed below, plus 4 hours (4, 1-hour) Physical Education Activity courses, and 1 (3 hour) Health Elective course:

<b>Class Name</b>	<b>Credit Hours</b>
<b>Required courses, 18 hours:</b>	
<b>PHED 351</b> Tests and Measurement in Health & Physical Education	<b>3 credit hours</b>
<b>WELL 178</b> Life Choices	<b>3 credit hours</b>
<b>WELL 275</b> Foundations of Health Science	<b>3 credit hours</b>
<b>WELL 340</b> Anatomy & Physiology	<b>3 credit hours</b>
<b>WELL 475</b> Critical Areas in Health	<b>3 credit hours</b>
<b>WELL 361</b> Principles of Nutrition	<b>3 credit hours</b>
<b>Or</b>	
<b>WELL 461</b> Nutrition for Special Needs	<b>3 credit hours</b>
<b>Physical Education Activity courses, 4 courses:</b>	<b>4-6 hours</b>
<b>PHED 1XX</b>	<b>1 credit hour</b>
<b>PHED 1XX</b>	<b>1 credit hour</b>
<b>PHED 1XX</b>	<b>1 credit hour</b>
<b>PHED 1XX</b>	<b>1 credit hour</b>
<b>Health Elective courses, choose 1 course:</b>	
<b>WELL 131</b> First Aid and Safety Education	<b>3 credit hours</b>
<b>WELL 252</b> Mental Health	<b>3 credit hours</b>
<b>WELL 272</b> Drugs and Society	<b>3 credit hours</b>
<b>WELL 350</b> Administration of Public Health	<b>3 credit hours</b>
<b>WELL 361</b> Principles of Nutrition	<b>3 credit hours</b>
<b>WELL 451</b> School and Community Health Workshop	<b>3 credit hours</b>
<b>WELL 461</b> Nutrition for Special Needs	<b>3 credit hours</b>
<b>WELL 485</b> Health Promotion Internship	<b>3-6 credit hours</b>
<b>WELL 495</b> Independent Study	<b>3 credit hours</b>

## **Recreation Management Minor**

### **Requirements for Recreation Management Minor | 21 Credit Hours**

Twenty-one (21) semester hours, which must include 6 hours of required courses (RECM 111 and RECM 201), plus 15 hours of electives (5, 3-hour courses):

<b>Class Name</b>	<b>Credit Hours</b>
<b>Required courses, 6 hours:</b>	
<b>RECM 111 Introduction to Recreation &amp; Leisure</b>	<b>3 credit hours</b>
<b>RECM 201 Principles of Outdoor Recreation</b>	<b>3 credit hours</b>
<b>Elective courses, 15 hours:</b>	
<b>RECM 130 Wilderness Survival</b>	<b>3 credit hours</b>
<b>RECM 235 Wilderness Adventure &amp; Education</b>	<b>3 credit hours</b>
<b>RECM 237 Expedition Planning</b>	<b>3 credit hours</b>
<b>RECM 250 Recreation Programming</b>	<b>3 credit hours</b>
<b>RECM 333 Recreation Visitor Behavior</b>	<b>3 credit hours</b>
<b>RECM 350 Recreation Administration &amp; Leadership</b>	<b>3 credit hours</b>
<b>RECM 411 Interpretive Methods</b>	<b>3 credit hours</b>
<b>RECM 475 Philosophy of Recreation Management</b>	<b>3 credit hours</b>
<b>RECM 480 Environmental Ethics</b>	<b>3 credit hours</b>
<b>RECM 485 Recreation Management Internship</b>	<b>6 credit hours</b>

# SCHOOL OF HUMANITIES & SOCIAL SCIENCES

## English

English Major Requirements – Students Take the Following Courses (3 Credit Hours Each) | 39 Total Hours. All these Major requirements:

Class Name	Credit Hours
<b>ENGL 310 Major Author***</b>	<b>3 credit hours</b>

Six (6) credits from among the following courses:

<b>ENGL 315 *Creative Writing</b>	<b>3 credit hours</b>
<b>ENGL 327 Theories of Composition &amp; Rhetoric</b>	<b>3 credit hours</b>
<b>ENGL 334 Small Group Writing Instruction</b>	<b>1 credit hour</b>
<b>ENGL 340 Writing in the Disciplines</b>	<b>3 credit hours</b>
<b>ENGL 410 Writing and the Environment</b>	<b>3 credit hours</b>
<b>ENGL 427 Directed Writing</b>	<b>3 credit hours</b>
<b>ENGL 485 Internship: Editing and Publishing</b>	<b>1 credit hour</b>
<b>ENGL 421 History of the English Language</b>	<b>3 credit hours</b>
<b>ENGL 471 Shakespeare</b>	<b>3 credit hours</b>

Choose 1 cultural studies course from the following:

<b>ENGL 235 Southern Literature</b>	<b>3 credit hours</b>
<b>ENGL 252 Appalachian Literature</b>	<b>3 credit hours</b>
<b>ENGL 262 African American Literature</b>	<b>3 credit hours</b>

Choose 2 survey courses\*\* from the following:

<b>ENGL 211 Western Literature in Translation</b>	<b>3 credit hours</b>
<b>ENGL 212 Non-Western Literature in Translation</b>	<b>3 credit hours</b>
<b>ENGL 221 Survey of English Literature I</b>	<b>3 credit hours</b>
<b>ENGL 222 Survey of English Literature II</b>	<b>3 credit hours</b>
<b>ENGL 231 Survey of American Literature I</b>	<b>3 credit hours</b>
<b>ENGL 232 Survey of American Literature II</b>	<b>3 credit hours</b>

Choose 2 period courses\*\*\*\* from the following:

<b>ENGL 320 Medieval English Literature</b>	<b>3 credit hours</b>
<b>ENGL 321 Early Modern Literature</b>	<b>3 credit hours</b>
<b>ENGL 322 Restoration/Eighteenth Century Literature</b>	<b>3 credit hours</b>
<b>ENGL 323 Nineteenth Century Literature</b>	<b>3 credit hours</b>
<b>ENGL 431 Contemporary American Literature Fiction</b>	<b>3 credit hours</b>

Choose 2 genre courses\*\*\*\* from the following:

<b>ENGL 320 Medieval English Literature</b>	<b>3 credit hours</b>
<b>ENGL 321 Early Modern Literature</b>	<b>3 credit hours</b>
<b>ENGL 351 The English Novel I</b>	<b>3 credit hours</b>
<b>ENGL 352 The English Novel II</b>	<b>3 credit hours</b>
<b>ENGL 451 Modern Poetry</b>	<b>3 credit hours</b>
<b>ENGL 452 American Novel</b>	<b>3 credit hours</b>
<b>ENGL 472 Capstone Project*****</b>	<b>3 credit hours</b>



## English Literature **Minor** Requirements (3 Credit Hours Each) | 24 Total Hours

All these **Minor** requirements:

<b>Class Name</b>	<b>Credit Hours</b>
<b>ENGL 310 Major Author***</b>	<b>3 credit hours</b>
<b>ENGL 471 Shakespeare</b>	<b>3 credit hours</b>
<b>ENGL 472 Capstone Project*****</b>	<b>3 credit hours</b>

**Choose 3 courses\*\* from the following:**

<b>ENGL 211 Western Literature in Translation</b>	<b>3 credit hours</b>
<b>ENGL 212 Non-Western Literature in Translation</b>	<b>3 credit hours</b>
<b>ENGL 221 Survey of English Literature I</b>	<b>3 credit hours</b>
<b>ENGL 222 Survey of English Literature II</b>	<b>3 credit hours</b>
<b>ENGL 231 Survey of American Literature I</b>	<b>3 credit hours</b>
<b>ENGL 232 Survey of American Literature II</b>	<b>3 credit hours</b>

**Choose 1 period course \*\*\*\* from the following:**

<b>ENGL 320 Medieval English Literature</b>	<b>3 credit hours</b>
<b>ENGL 321 Early Modern Literature</b>	<b>3 credit hours</b>
<b>ENGL 322 Restoration/Eighteenth Century Literature</b>	<b>3 credit hours</b>
<b>ENGL 323 Nineteenth Century Literature</b>	<b>3 credit hours</b>
<b>ENGL 431 Contemporary American Literature Fiction</b>	<b>3 credit hours</b>

**Choose 1 genre course from the following:**

<b>ENGL 320 Medieval English Literature</b>	<b>3 credit hours</b>
<b>ENGL 321 Early Modern Literature</b>	<b>3 credit hours</b>
<b>ENGL 351 The English Novel I</b>	<b>3 credit hours</b>
<b>ENGL 352 The English Novel II</b>	<b>3 credit hours</b>
<b>ENGL 452 American Novel</b>	<b>3 credit hours</b>

\*While ENGL 315, Creative Writing, may be repeated for credit in different genres, only 3 credit hours may count towards the completion of this requirement.

\*\*Students in the English program must also fulfill the College's Core requirement for Literature by taking an additional 200-level ENGL course.

\*\*\*ENGL 310 (Major Author) is the English foundational course and should, except under special circumstances, be completed in fall of the student's junior year.

\*\*\*\*ENGL 320 (Medieval English Literature) and ENGL 321 (Early Modern Literature) may be taken for either period or genre credit, but not for both.

\*\*\*\*\*ENGL 472 (Capstone Project) should be taken during the student's last year.

With communications and critical thinking persistently topping the list of skills employers want, students find the major and the minor in English valuable in developing these practical abilities. Through the close study of texts and practice in thinking, writing, speaking, and careful listening, students become better prepared for the demands of the present, and they develop the skills and mental habits necessary to confront the challenges of an ever-changing world.

English majors and minors find careers in a variety of fields, including teaching, business and industry, public relations, and journalism. In addition, the English program provides excellent preparation for graduate study, as well as for medical and law school. Union's English majors regularly present their scholarship at academic conference and will have the opportunity to work on the editorial team for an

MLA-indexed journal. Courses taken as electives enhance students' analytical and forensic abilities, complementing their coursework in such programs as nursing and criminal justice.

#### Bachelor of Arts or Bachelor of Science with a Major in English

Upon graduation from Union College with a major in English, students should be able to:

- Produce written texts that follow the conventions of Standard English usage that are clear, organized, developed and thoughtful, and that demonstrate awareness of audience.
- Interpret texts with understanding, appreciation, and judgment.
- Discuss texts in their cultural contexts.
- Demonstrate knowledge of the history and structure of the English language.
- Demonstrate knowledge of major traditions in literature.
- Students may choose either the Bachelor of Science or the Bachelor of Arts. For the Bachelor of Arts (strongly recommended for further degrees in English and other graduate study), students complete the equivalent of four (4) semesters of a single foreign language (not native to the student) or two (2) semesters of each of two (2) foreign languages, in addition to the following courses.

A general prerequisite for any English (ENGL) course numbered 300 and above is successful completion of any 200-level ENGL course. Majors should complete the foundational course, ENGL 310 (Major Author), as early as possible and should take the Capstone Project course, ENGL 472, in their senior year. Courses with changed emphases may be repeated for further credit. Except for ENGL 472, all English courses numbered 300 and above are available for elective credit and upon request, for graduate credit.

#### **Professional Writing**

Writing is an academic skill of almost incalculable importance, the chief means by which students deeply participate in the epoch-and world-spanning conversation of minds. Across the academic disciplines, student writers not only write to communicate how well they know their subjects, but also through that exploratory process to expose new ideas and burnish old ones. The ability to write well in a number of different rhetorical situations has been and remains a top skill that potential employers look for in recent college graduates (National Association of Colleges and Employers), a professional leg-up leading to higher employment rates and faster promotion. Writers tell the stories of their communities—not only to their contemporaries, but also to the future.

The Professional Writing Minor comprises at least 21 total hours from the courses listed below. At least 15 of those hours must be housed in English and have an ENGL prefix.

#### Professional Writing **Minor** Requirements | At Least 21 Total Credit Hours

<b>Class Name</b>	<b>Credit Hours</b>
<b>ENGL 315 Creative Writing (may be repeated twice for credit)</b>	<b>3 credit hours</b>
<b>ENGL 327 Theories of Composition &amp; Rhetoric</b>	<b>3 credit hours</b>
<b>ENGL 334 Small Group Writing Instruction</b>	<b>1 credit hour</b>
<b>ENGL 340 Writing in the Disciplines</b>	<b>3 credit hours</b>
<b>ENGL 407 Writing for the Community</b>	<b>3 credit hours</b>
<b>ENGL 410 Writing and the Environment</b>	<b>3 credit hours</b>
<b>ENGL 427 Directed Writing</b>	<b>3 credit hours</b>
<b>ENGL 485 Internship: Editing and Publishing</b>	<b>1 credit hour</b>
<b>BUAD 302 Business Communications</b>	<b>3 credit hours</b>
<b>COMM 261 Writing &amp; Speaking for the Media</b>	<b>3 credit hours</b>

<b>COMM 322 Persuasion</b>	<b>3 credit hours</b>
<b>COMM 342 Writing &amp; Speaking for the Media II</b>	<b>3 credit hours</b>

### Assessment Procedures

Each senior in the program compiles a portfolio of work in courses both in the Liberal Education Core and in the major and writes a short analysis of that work. This analysis includes a statement explaining why the student chose these pieces and what they show about the student's progress through the program. The portfolio is due two (2) weeks before departmental Assessment Day, when each graduating senior will be interviewed by a departmental team as part of the process of assessing whether departmental goals are being met.

### Honors in English

Students majoring in English may apply to the School Dean no later than spring of their junior year to be considered for departmental honors. To receive departmental honors at graduation, a student must meet the following criteria:

- Earn 3.0 overall GPA
- Earn 3.5 GPA in the major
- Complete the B.A. language requirement
- Submit a senior portfolio
- Complete and submit a senior project and present it at an on-campus forum, an off-campus conference, or both
- Undergraduate Research

Faculty in the English department regularly mentor students who demonstrate academic promise in literature, cultural studies, and interdisciplinary studies. As a result, these students have presented their scholarship and criticism at both undergraduate (Blue Ridge Conference, UNC-Asheville Undergraduate Research Seminar) and professional academic conferences (Kentucky Philological Association, Louisville Conference on Literature and Culture, Popular Culture Association, American Culture Association, Southern Appalachian Culture Series). In addition, student scholars in several disciplines have received scholarships for paid summer study with departmental faculty. Qualified students in all majors are encouraged to participate.

**History:**

Requirements for History Major (B.A.) | 44 Semester Hours (Including 12 hours foreign language)

<b>Class Name</b>	<b>Credit Hours</b>
<b>Program Core (14 hours) – required courses:</b>	
<b>HIST 211 Topics in Global History</b>	<b>3 credit hours</b>
<b>HIST 212 Historical Research and Methods</b>	<b>3 credit hours</b>
<b>HIST 301 Readings in U.S. History</b>	<b>1 credit hour</b>
<b>HIST 302 Readings in Non-U.S. History</b>	<b>1 credit hour</b>
<b>HUMN 477 Philosophy of Life</b>	<b>3 credit hours</b>
<b>HIST 476 Special Topics in World History</b>	<b>3 credit hours</b>

**Or**

<b>HIST 475 Special Topics: American History</b>	<b>3 credit hours</b>
<b>U.S. History (9 hours) – students will complete 3 of the following courses:</b>	
<b>HIST 311 American History to 1848</b>	<b>3 credit hours</b>
<b>HIST 312 American History from 1848 to 1919</b>	<b>3 credit hours</b>
<b>HIST 408 American Presidency</b>	<b>3 credit hours</b>
<b>HIST 413 Twentieth Century America</b>	<b>3 credit hours</b>
<b>HIST 431 American Revolutionary Era 1763-1789</b>	<b>3 credit hours</b>
<b>HIST 433 History of Appalachia</b>	<b>3 credit hours</b>
<b>HIST 441 Civil War &amp; Reconstruction 1848-1877</b>	<b>3 credit hours</b>
<b>HIST 495 Independent Study course: U.S. History</b>	<b>3 credit hours</b>

**Non-U.S. History (9 hours) – students will complete 3 of the following courses:**

<b>HIST 110 Roots of Civilization</b>	<b>3 credit hours</b>
<b>HIST 221 History and Culture of Spain and Portugal</b>	<b>3 credit hours</b>
<b>HIST 223 History of Latin America</b>	<b>3 credit hours</b>
<b>HIST 241 History of Britain to 1485</b>	<b>3 credit hours</b>
<b>HIST 242 History of Britain from 1485-1832</b>	<b>3 credit hours</b>
<b>HIST 331 Late Classic &amp; Medieval History Topics</b>	<b>3 credit hours</b>
<b>HIST 443 Modern Britain</b>	<b>3 credit hours</b>
<b>HIST 446 History of Russia</b>	<b>3 credit hours</b>
<b>HIST 451 Topics in Early European History</b>	<b>3 credit hours</b>
<b>HIST 452 Topics in Modern European History</b>	<b>3 credit hours</b>
<b>HIST 461 Islamic Religion &amp; Civilization</b>	<b>3 credit hours</b>
<b>HIST 495 Independent Study course: Non-U.S. History</b>	<b>3 credit hours</b>

**Foreign Language Component (12 hours) – students must complete 12 hours of foreign language study. Students may substitute up to 6 hours of Logic for foreign language**

<b>Foreign language course</b>	<b>3 credit hours</b>
<b>Foreign language course</b>	<b>3 credit hours</b>
<b>Foreign language course</b>	<b>3 credit hours</b>
<b>Foreign language course</b>	<b>3 credit hours</b>

### Requirements for History Major (B.S.) | 32 Semester Hours (Required Courses)

Class Name	Credit Hours
<b>HIST 211 Topics in Global History</b>	<b>3 credit hours</b>
<b>HIST 212 Historical Research and Methods</b>	<b>3 credit hours</b>
<b>HIST 301 Readings in U.S. History</b>	<b>1 credit hour</b>
<b>HIST 302 Readings in Non-U.S. History</b>	<b>1 credit hour</b>

#### Elective Hours:

<b>U.S. History</b>	<b>12 credit hours</b>
<b>Non-U.S. History</b>	<b>12 credit hours</b>

#### One of the elective courses must be:

<b>HIST 475 Special Topics: American History</b>	<b>3 credit hours</b>
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#### Or

<b>HIST 476 Special Topics in World History</b>	<b>3 credit hours</b>
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#### Or

<b>HUMN 477 Philosophy of Life</b>	<b>3 credit hours</b>
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### Requirements for **Minor** in History | 21 semester hours in History including:

Class Name	Credit Hours
<b>HIST 211 Topics in Global History</b>	<b>3 credit hours</b>

### Language Recommendation

All History majors and minors are strongly encouraged to undertake the study of a foreign language in conjunction with their History program. For those intending to go to graduate school, it is recommended that a course of study leading to a Bachelor of Arts degree be completed.

### Secondary Teaching

Students preparing to teach high school History or Social Studies must complete the Area in Social Studies and the requirements for secondary teacher certification, both outlined in the Educational Studies section.

### History and Political Science

#### Requirements for History and Political Science Major | 36 Semester Hours (Required Courses)

Class Name	Credit Hours
<b>Program Core (12 Hours) – Required Courses</b>	
<b>HIST 212 Historical Research and Methods</b>	<b>3 credit hours</b>
<b>HIST 301 Readings in U.S. History</b>	<b>1 credit hour</b>

#### Or

<b>HIST 302: Readings in Non-U.S. History</b>	<b>1 credit hour</b>
<b>PLSC 101 American National Government</b>	<b>3 credit hours</b>
<b>HIST 476 Special Topics in World History</b>	<b>3 credit hours</b>
<b>HUMN 477 Philosophy of Life (Capstone Course)</b>	<b>3 credit hours</b>

**U.S. History Elective Courses (6 Hours) – Students will complete 2 of the following courses:**

<b>HIST 235 Kentucky History</b>	<b>3 credit hours</b>
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<b>HIST 311</b>	<b>American History to 1848</b>	<b>3 credit hours</b>
<b>HIST 312</b>	<b>American History 1848 to 1919</b>	<b>3 credit hours</b>
<b>HIST 313</b>	<b>Twentieth Century America</b>	<b>3 credit hours</b>
<b>HIST 409</b>	<b>American Religion &amp; Society</b>	<b>3 credit hours</b>
<b>HIST 431</b>	<b>American Revolutionary Era 1763-1789</b>	<b>3 credit hours</b>
<b>HIST 433</b>	<b>History of Appalachia</b>	<b>3 credit hours</b>
<b>HIST 475</b>	<b>Special Topics in American History</b>	<b>3 credit hours</b>

**Non-U.S. History Elective Course (3 Hours) – Students will complete 1 of the following courses:**

<b>HIST 223</b>	<b>History of Latin America</b>	<b>3 credit hours</b>
<b>HIST 241</b>	<b>History of Britain to 1485</b>	<b>3 credit hours</b>
<b>HIST 242</b>	<b>History of Britain from 1485-1832</b>	<b>3 credit hours</b>
<b>HIST 331</b>	<b>Late Classic &amp; Medieval History Topics</b>	<b>3 credit hours</b>
<b>HIST 443</b>	<b>Modern Britain</b>	<b>3 credit hours</b>
<b>HIST 446</b>	<b>History of Russia</b>	<b>3 credit hours</b>
<b>HIST 451</b>	<b>Topics in Early European History</b>	<b>3 credit hours</b>
<b>HIST 452</b>	<b>Topics in Modern European History</b>	<b>3 credit hours</b>
<b>HIST 461</b>	<b>Islamic Religion &amp; Civilization</b>	<b>3 credit hours</b>
<b>HIST 474</b>	<b>Topics in Latin American History</b>	<b>3 credit hours</b>
<b>Political Science Courses (15 Hours)</b>		
<b>PLSC 405 / CRJU 405</b>	<b>The American Founding</b>	<b>3 credit hours</b>
<b>PLSC 408</b>	<b>American Presidency</b>	<b>3 credit hours</b>
<b>PLSC 306 / CRJU 306</b>	<b>Special Topics in Political Science / Topics in Criminal Justice</b>	<b>3 credit hours</b>
<b>PLSC 483 / CRJU 483</b>	<b>Constitutional Law II: National Powers</b>	<b>3 credit hours</b>
<b>PLSC 486 / CRJU 486</b>	<b>Constitutional Law I: Civil Liberties</b>	<b>3 credit hours</b>
<b>PLSC 382 / CRJU 382</b>	<b>Legal Political Thought-Classical</b>	<b>3 credit hours</b>
<b>PLSC 383 / CRJU 383</b>	<b>Legal Political Thought-Modern</b>	<b>3 credit hours</b>
<b>PLSC 409 / CRJU 409</b>	<b>Statesmen, Soldiers &amp; Leadership</b>	<b>3 credit hours</b>
<b>PLSC 470 / CRJU 470</b>	<b>Political Violence</b>	<b>3 credit hours</b>

## Religious Studies

Requirements for B.A. in Religious Studies | 30 Semester Hours

Students must also fulfill the B.A. language requirement by either:

- Completing six (6) credit hours in a world language (or the equivalent at the elementary level in one language not native to the student).
- Completing PHIL 260, Logic and Language (3 credit hours) and three (3) courses: GREK 113, Morphology & Syntax in Classical Languages I (1 credit hour); GREK 114, Morphology & Syntax in Classical Languages II (1 credit hour); and GREK 213, Intermediate Greek Readings (1 credit hour).

Required courses:

<b>Class Name</b>	<b>Credit Hours</b>
<b>RLGN 211 History &amp; Faith of Ancient Israel</b>	<b>3 credit hours</b>
<b>Or</b>	
<b>HIST 113 Religion and Empire</b>	<b>3 credit hours</b>

<b>RLGN 231</b>	<b>Topics in World Religions</b>	<b>3 credit hours</b>
<b>PHIL 261</b>	<b>Topics in Philosophy of Religion</b>	<b>3 credit hours</b>
<b>RLGN 301</b>	<b>Readings in Religion</b>	<b>1 credit hour</b>
<b>Or</b>		
<b>PHIL 301</b>	<b>Readings in Philosophy</b>	<b>1 credit hour</b>
<b>RLGN 302</b>	<b>Readings in Religion</b>	<b>1 credit hour</b>
<b>Or</b>		
<b>PHIL 302</b>	<b>Readings in Philosophy</b>	<b>1 credit hour</b>
<b>RLGN 251</b>	<b>Topics in Early Christianity</b>	<b>3 credit hours</b>
<b>RLGN 356</b>	<b>Topics in Modern Christianity</b>	<b>3 credit hours</b>
<b>HUMN 477</b>	<b>Philosophy of Life</b>	<b>3 credit hours</b>
<b>Elective courses, any 3 of the following totaling 9 hours:</b>		
<b>RLGN 454</b>	<b>Religion in the United States</b>	<b>3 credit hours</b>
<b>RLGN 452</b>	<b>Renaissance &amp; Reformation</b>	<b>3 credit hours</b>
<b>RLGN 461</b>	<b>Islamic Religion and Civilizations</b>	<b>3 credit hours</b>
<b>RLGN 479</b>	<b>Seminar in Religion</b>	<b>3 credit hours</b>
<b>RLGN 495</b>	<b>Independent Study</b>	<b>3 credit hours</b>
<b>PHIL 352</b>	<b>Ethics &amp; Political Philosophy</b>	<b>3 credit hours</b>
<b>Or a second sequence of:</b>		
<b>RLGN 301 / PHIL 301</b>	<b>Readings in Religion / Readings in Philosophy</b>	<b>1 credit hour</b>
<b>RLGN 302 / PHIL 302</b>	<b>Readings in Religion / Readings in Philosophy</b>	<b>1 credit hour</b>

Requirements for **Minor** in Religious Studies | 18 Semester Hours  
 18 semester hours in religion or religion/philosophy including:

<b>Class Name</b>	<b>Credit Hours</b>
<b>PHIL 261</b> <b>Topics in Philosophy of Religion</b>	<b>3 credit hours</b>
<b>At least 9 credit hours must be in courses numbered above 300</b>	<b>9 credit hours</b>

### **Latin American and Iberian Studies**

The objective of this minor is for students to obtain a clear understanding of the Latin American/Spanish language, world, culture, and people. It consists of the following 21 hours, 15 required SPAN courses and electives.

Requirements for Minor in Latin American & Iberian Studies | 21 Credit Hours

<b>Class Name</b>	<b>Credit Hours</b>
<b>Required Courses:</b>	
<b>SPAN 111</b> <b>Elementary Spanish I</b>	<b>3 credit hours</b>
<b>SPAN 112</b> <b>Elementary Spanish II</b>	<b>3 credit hours</b>
<b>SPAN 211</b> <b>Intermediate Spanish I</b>	<b>3 credit hours</b>
<b>SPAN 212</b> <b>Intermediate Spanish II</b>	<b>3 credit hours</b>
<b>SPAN 311</b> <b>Spanish Grammar/Conversation/ Composition</b>	<b>3 credit hours</b>
<b>Electives in Latin American &amp; Iberian Studies (any 2 of the following):</b>	
<b>HIST 221</b> <b>History and Culture of Spain and Portugal</b>	<b>3 credit hours</b>
<b>HIST 223</b> <b>History of Latin America</b>	<b>3 credit hours</b>

<b>HIST 474</b>	Topics in Latin American History	<b>3 credit hours</b>
<b>SPAN 342</b>	Topics in Spanish Language Studies	<b>3 credit hours</b>

## Philosophy

Requirements for Minor in Philosophy | 21 Credit Hours (Required Courses)

<b>Class Name</b>	<b>Credit Hours</b>
<b>PHIL 215</b> Philosophy in the Modern World	<b>3 credit hours</b>
<b>PHIL 261</b> Topics in Philosophy of Religion	<b>3 credit hours</b>
<b>And</b>	
<b>Additional hours in Philosophy</b>	<b>15 credit hours</b>

## Requirements for Minor in Religious Studies | 18 Semester Hours

18 semester hours in religion or religion/philosophy including:

<b>Class Name</b>	<b>Credit Hours</b>
<b>PHIL 261</b> Topics in Philosophy of Religion	<b>3 credit hours</b>
<b>At least 9 credit hours must be in courses numbered above 300</b>	<b>9 credit hours</b>

## Music

The Bachelor of Arts in Music (36-hour major) will provide students an in-depth program of study in music, which will include music at the historical, theoretical, performance, and applied level. Students may choose as their primary instrument: piano, voice, guitar, or an instrument from the brass, string, woodwind, or percussion families.

Music Major (B.A.) | 36 Hours

<b>Class Name</b>	<b>Credit Hours</b>
<b>Applied Music – 9 credit hours:</b>	
<b>MUSC 101</b> Applied Music	<b>1 credit hour</b>
<b>MUSC 102</b> Applied Music	<b>1 credit hour</b>
<b>MUSC 201</b> Applied Music	<b>1 credit hour</b>
<b>MUSC 202</b> Applied Music	<b>1 credit hour</b>
<b>MUSC 301</b> Applied Music	<b>1 credit hour</b>
<b>MUSC 302</b> Applied Music	<b>1 credit hour</b>
<b>MUSC 417</b> Recital (Capstone)	<b>3 credit hours</b>

**Ensemble Performance – 6 credit hours – 6 hours from the following (all may be repeated for credit):**

<b>MUSC 152</b> Union College Singers	<b>1 credit hour</b>
<b>MUSC 167</b> Bulldog Band	<b>1 credit hour</b>
<b>MUSC 168</b> Concert Band	<b>1 credit hour</b>
<b>Music History – 9 credit hours:</b>	
<b>MUSC 353</b> Blues, Jazz, & Rock N Roll	<b>3 credit hours</b>
<b>MUSC 421</b> Music Before 1750	<b>3 credit hours</b>
<b>MUSC 422</b> Music After 1750	<b>3 credit hours</b>

**Music Theory and Musicianship – 9 credit hours:**

<b>MUSC 265</b> Theory/Musicianship I	<b>3 credit hours</b>
<b>MUSC 266</b> Theory/Musicianship II	<b>3 credit hours</b>



<b>MUSC 345 Theory/Musicianship III</b>	<b>3 credit hours</b>
<b>Elective – 3 credit hours:</b>	
<b>MUSC 373 Elementary School Music</b>	<b>3 credit hours</b>
<b>Or</b>	
<b>MUSC 331 Choral Literature/Conducting</b>	<b>3 credit hours</b>

### **Music Minor | 21 Total Hours**

The Music Minor consists of the following 21 hours:

<b>Class Name</b>	<b>Credit Hours</b>
<b>MUSC 101 Applied Music</b>	<b>1 credit hour</b>
<b>MUSC 102 Applied Music</b>	<b>1 credit hour</b>
<b>MUSC 121 Introduction to Music</b>	<b>3 credit hours</b>
<b>MUSC 201 Applied Music</b>	<b>1 credit hour</b>
<b>MUSC 202 Applied Music</b>	<b>1 credit hour</b>
<b>MUSC 265 Theory/Musicianship I</b>	<b>3 credit hours</b>
<b>MUSC 266 Theory/Musicianship II</b>	<b>3 credit hours</b>
<b>MUSC 422 Music after 1750</b>	<b>3 credit hours</b>
<b>MUSC ____ 4 semesters* of ensembles required</b>	<b>4 credit hours</b>
<b>MUSC ____ 1 semester hour of music elective</b>	<b>1 credit hour</b>

\*4 semesters = 2 years

### **Theatre Minor | 18 Hours**

Theatre Minor consists of the following 18 hours:

<b>Class Name</b>	<b>Credit Hours</b>
<b>THTR 131: Introduction to Theatre</b>	<b>3 credit hours</b>
<b>THTR 151: Introduction to Acting</b>	<b>3 credit hours</b>
<b>THTR 251: Voice and Movement</b>	<b>3 credit hours</b>
<b>THTR 260: Directing and Devising</b>	<b>3 credit hours</b>
<b>THTR 180, 280, 380, 480 *Minimum of 3 hours required for minor, to be taken in numerical sequence.</b>	<b>3 credit hours</b>
<b>THTR 330: Theatre for Social Change (credit hours for this course will be assigned after the audition process before registration)</b>	<b>____ credit hours</b>

### **Criminal Justice**

Criminal Justice is an interdisciplinary program drawing from fields such as Sociology, Psychology, Political Science, and Law. Criminal Justice asks why behaviors inconsistent with expectations and the law occur, and how society anticipates and reacts to those behaviors. Students gain an appreciation for the complexity of the citizen and the state, as well as structures and institutions for the resolution of disputes between the two. They also develop skills that will prepare them to advance in careers in the future: listening and reading critically; thinking analytically; and expressing themselves orally and in writing. Students analyze issues such as the death penalty, drug abuse, political violence, insanity, and others. Students of Criminal Justice are prepared for careers in a wide range of governmental and private sector careers, as well as for graduate study in the behavioral sciences, government, and law.

Requirements for Criminal Justice Major | 35 Semester Hours

<b>Class Name</b>	<b>Credit Hours</b>
<b>Required courses, 11 hours:</b>	
<b>CRJU 101 Introduction to Criminal Justice</b>	<b>3 credit hours</b>
<b>PLSC 101 American National Government</b>	<b>3 credit hours</b>
<b>CRJU 401 / PLSC 401 Public Policy &amp; Criminal Justice (Senior Capstone)</b>	<b>3 credit hours</b>
<b>CRJU 390 Comparative Criminal Justice System I</b>	<b>1 credit hour</b>
<b>CRJU 391 Comparative Criminal Justice System II</b>	<b>1 credit hour</b>
<b>Police Science courses, 6 hours, choose 2:</b>	
<b>LAWS 200 Community Policing</b>	<b>3 credit hours</b>
<b>LAWS 205 Patrol Operations</b>	<b>3 credit hours</b>
<b>LAWS 210 Traffic Enforcement</b>	<b>3 credit hours</b>
<b>CRJU 302 / LAWS 302 Methods &amp; Problems of Investigation</b>	<b>3 credit hours</b>
<b>Or</b>	
<b>PLSC 307 / LAWS 307 Criminal Justice Administration</b>	<b>3 credit hours</b>
<b>LAWS 206 Topics in Law Enforcement</b>	<b>3 credit hours</b>
<b>Public Law courses, 9 hours, choose 3:</b>	
<b>CRJU 205 Criminal Law</b>	<b>3 credit hours</b>
<b>CRJU 201 Criminal Procedure</b>	<b>3 credit hours</b>
<b>PLSC 209 / CRJU 209 American Courts &amp; Judicial Process</b>	<b>3 credit hours</b>
<b>Or</b>	
<b>LAWS 301 The Law of Evidence</b>	<b>3 credit hours</b>
<b>Interdisciplinary Foundations courses, 9 hours, choose 3:</b>	
<b>SOCI 363 Corrections: Institutional and Community Based</b>	<b>3 credit hours</b>
<b>Or</b>	
<b>SOCI 464 Deviance &amp; Criminology</b>	<b>3 credit hours</b>
<b>PLSC 470 / CRJU 470 Political Violence</b>	<b>3 credit hours</b>
<b>Or</b>	
<b>PLSC 486 / CRJU 486 Constitutional Law I: Civil Liberties</b>	<b>3 credit hours</b>
<b>PLSC 306 / CRJU 306 Topics in Political Science / Topics in Criminal Justice</b>	<b>3 credit hours</b>

Requirements for Criminal Justice **Minor** | 21 Hours

21 semester hours; 15 required semester hours, including:

<b>Class Name</b>	<b>Credit Hours</b>
<b>Required courses, 15 hours:</b>	
<b>CRJU 101 Introduction to Criminal Justice</b>	<b>3 credit hours</b>
<b>CRJU 201 Criminal Procedure</b>	<b>3 credit hours</b>
<b>CRJU 205 Criminal Law</b>	<b>3 credit hours</b>
<b>CRJU 401 Public Policy and Criminal Justice (Senior Capstone)</b>	<b>3 credit hours</b>
<b>PLSC 101 American National Government</b>	<b>3 credit hours</b>

**Police Science courses, 3 hours, pick 1:**

<b>LAWS 200</b>	<b>Community Policing</b>	<b>3 credit hours</b>
<b>LAWS 302</b>	<b>Methods &amp; Problems of Investigation</b>	<b>3 credit hours</b>
<b>LAWS 307</b>	<b>Criminal Justice Administration</b>	<b>3 credit hours</b>
<b>LAWS 206</b>	<b>Topics in Law Enforcement</b>	<b>3 credit hours</b>
<b>Interdisciplinary Foundation courses, 3 hours, pick 1:</b>		
<b>SOCI 363</b>	<b>Corrections: Institutional and Community Based</b>	<b>3 credit hours</b>
<b>Or</b>		
<b>SOCI 464</b>	<b>Deviance &amp; Criminology</b>	<b>3 credit hours</b>
<b>PLSC 470 / CRJU 470</b>	<b>Political Violence</b>	<b>3 credit hours</b>
<b>CRJU 306</b>	<b>Topics in Criminal Justice</b>	<b>3 credit hours</b>

## Sociology

Sociology is the scientific study of human behavior and society. Sociology students are introduced to the concepts, theories, and research methods to understand a broad range of human activities: from those that connect humankind across the globe, to activities that sustain meaning in a small group.

The sociology major prepares students for graduate study or for entry-level employment in the criminal justice system, helping professions, and business community, as well as in a variety of other professions. Also, the sociology major was developed in a manner that will allow students to complete concentrations in related areas such as psychology or criminal justice.

Requirements for Sociology Major | 33 semester hours; 15 required semester hours, including:

<b>Class Name</b>	<b>Credit Hours</b>
<b>BHSC 245 Basic Statistics: Theory &amp; Application</b>	<b>3 credit hours</b>
<b>BHSC 246 Methods of Behavioral Science Research</b>	<b>3 credit hours</b>
<b>SOCI 131 Introduction to Sociology</b>	<b>3 credit hours</b>
<b>SOCI 460 Sociological Theory</b>	<b>3 credit hours</b>
<b>SOCI 490 Senior Seminar</b>	<b>3 credit hours</b>
<b>18 hours of elective courses, selected from:</b>	
<b>Any combination of non-required courses bearing a SOCI prefix. It is strongly recommended that PSYH 330, Social Psychology, 3 credit hours, be substituted for 3 hours of the elective requirement</b>	

Requirements for Sociology Minor | 21 semester hours; 9 required semester hours, including:

<b>Class Name</b>	<b>Credit Hours</b>
<b>BHSC 245 Basic Statistics: Theory &amp; Application</b>	<b>3 credit hours</b>
<b>BHSC 246 Methods of Behavioral Science Research</b>	<b>3 credit hours</b>
<b>SOCI 131 Introduction to Sociology</b>	<b>3 credit hours</b>
<b>12 hours of elective courses, selected from:</b>	
<b>Any combination of non-required courses bearing a SOCI prefix. It is strongly recommended that PSYH 330, Social Psychology, 3 credit hours, be substituted for 3 hours of the elective requirement</b>	

## Appalachian Studies

The Appalachian Studies minor allows students in all academic programs to learn about the history, geography, culture, literature, folklore/folk life, environment, and economy of the Appalachian region. Courses examine socioeconomic concerns of eastern Kentucky and Appalachia more broadly and provide an overview of the Appalachian region within the global context. The minor develops critical

and analytical skills that are valuable in fields as diverse as business, communications, education, English, environmental science, geography, health sciences, law, literature, and public policy.

#### Requirements for Appalachian Studies Minor | 21 Hours

21 semester hours; 9 required semester hours, including:

Class Name		Credit Hours
<b>APST 104</b>	Introduction to Appalachian Studies	<b>3 credit hours</b>
<b>APST 204</b>	Appalachian Culture	<b>3 credit hours</b>
<b>BHSC 246</b>	Methods of Behavioral Science Research	<b>3 credit hours</b>

**Or**

<b>APST 300 / SOCI 300</b>	Methods Qualitative Research & Community Development	<b>3 credit hours</b>
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**12 hours of elective courses, selected from:**

<b>APST 202</b>	Service-Learning	<b>3 credit hours</b>
<b>APST 401 / SOCI 401</b>	Feuds, Fights, Murders, and Violence: Issues in Appalachia	<b>3 credit hours</b>
<b>APST 381</b>	Special Topics in Appalachian Studies	<b>3 credit hours</b>
<b>ENGL 252</b>	Appalachian Literature	<b>3 credit hours</b>
<b>ANTH 234</b>	American Folklore	<b>3 credit hours</b>
<b>GEOG 241</b>	Geography of Appalachia	<b>3 credit hours</b>
<b>HIST 433</b>	History of Appalachia	<b>3 credit hours</b>
<b>APST 241 / SOCI 241</b>	Sociology of Appalachia	<b>3 credit hours</b>
<b>APST 304</b>	Peoples of Appalachia	<b>3 credit hours</b>

#### **Law Enforcement**

The Law Enforcement minor is a pre-professional program for students pursuing a career path in law enforcement. It may be used to augment the Criminal Justice Major or may be taken independently in conjunction with other major programs.

#### Requirements for Law Enforcement Studies Minor | 24 Credit Hours

24 semester hours; 3 required semester hours, including:

Class Name		Credit Hours
<b>LAWS 101</b>	Introduction to Law Enforcement	<b>3 credit hours</b>

**9 hours of Police Science courses, choose 3:**

<b>LAWS 200</b>	Community Policing	<b>3 credit hours</b>
<b>LAWS 205</b>	Patrol Operations	<b>3 credit hours</b>
<b>LAWS 210</b>	Traffic Enforcement	<b>3 credit hours</b>
<b>CRJU 302 / LAWS 302</b>	Methods & Problems of Investigation	<b>3 credit hours</b>
<b>LAWS 307</b>	Criminal Justice Administration	<b>3 credit hours</b>
<b>LAWS 206</b>	Topics in Law Enforcement	<b>3 credit hours</b>

**6 hours of Public Law courses, choose 2:**

<b>CRJU 205</b>	Criminal Law	<b>3 credit hours</b>
<b>Or</b>		
<b>CRJU 201</b>	Criminal Procedure	<b>3 credit hours</b>

<b>PLSC 209 / CRJU 209</b>	American Courts & Judicial Process	<b>3 credit hours</b>
<b>Or</b>		
<b>LAWS 301</b>	The Law of Evidence	<b>3 credit hours</b>
<b>PLSC 486 / CRJU 486</b>	Constitutional Law I: Civil Liberties	<b>3 credit hours</b>
<b>Or</b>		
<b>PLSC 483 / CRJU 483</b>	Constitutional Law II: National Powers	<b>3 credit hours</b>
<b>6 hours of Interdisciplinary Foundations courses, choose 2:</b>		
<b>SOCI 363</b>	Corrections: Institutional and Community Based	<b>3 credit hours</b>
<b>Or</b>		
<b>SOCI 464</b>	Deviance & Criminology	<b>3 credit hours</b>
<b>PLSC 470 / CRJU 470</b>	Political Violence	<b>3 credit hours</b>
<b>CRJU 306</b>	Topics in Criminal Justice	<b>3 credit hours</b>
<b>Note: satisfaction of the requirements for the minor in Law Enforcement Studies include the completion of a minimum of eighteen (18) unduplicated semester hours not being counted towards the satisfaction of requirements for any other degree program)</b>		

### Political Science

Political Science minor students take the basic course in American government, as well as courses selected from the areas of American Institutions, Comparative Politics & International Relations, Political Theory, and Public Law. The development of reading, writing, and analytical skills are emphasized in this program in the use and comprehension of language, broad knowledge and appreciation of legal, political and social institutions, familiarity with both western and non-western traditions and value systems, and a capacity for both linear and non-linear problem solving. The Political Science minor is an excellent complement to any major and is of interest to students contemplating careers in law, government, criminal justice, or other public service.

#### Requirements for Political Science Minor | 24 Credit Hours

24 semester required hours including:

<b>Class Name</b>	<b>Credit Hours</b>
<b>PLSC 101</b> American National Government	<b>3 credit hours</b>
<b>4 Sub-Fields include 21 required hours</b>	
<b>Sub-Field 1: 6 required hours of American Institutions courses</b>	
<b>PLSC 405 / CRJU 405</b>	The American Founding <b>3 credit hours</b>
<b>PLSC 408</b>	American Presidency <b>3 credit hours</b>
<b>Sub-Field 2: 3 required hours of Comparative Politics choose 1 of the following:</b>	
<b>PLSC 470 / CRJU 470</b>	Political Violence <b>3 credit hours</b>
<b>PLSC 409 / CRJU 409</b>	Statesmen, Soldiers & Leadership <b>3 credit hours</b>
<b>Sub-Field 3: 6 required hours of Political Theory</b>	
<b>PLSC 382 / CRJU 382</b>	Legal Political Thought-Classical <b>3 credit hours</b>

<b>PLSC 383 / CRJU 383</b>	Legal Political Thought-Modern	<b>3 credit hours</b>
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**Sub-Field 4: 6 required hours of Public Law**

<b>PLSC 486</b>	Constitutional Law I: Civil Liberties	<b>3 credit hours</b>
<b>PLSC 483</b>	Constitutional Law II: National Powers	<b>3 credit hours</b>
<b>Note: the minor in Political Science requires the completion of 18 unduplicated credit hours (hours not also applying to another degree)</b>		

**Pre-Law**

Law schools seek applicants from a wide variety of academic backgrounds. Pre-Law develops skills such as reading critically, writing clearly, thinking analytically, and speaking persuasively. These serve as a foundation for other matters as well: excellence in the use and comprehension of language; broad knowledge and appreciation of legal, political, and social institutions; familiarity with both western and non-western traditions and value systems; and a capacity for problem solving. The Pre-Law minor is an excellent complement to any major, and especially for students considering careers in law, government, criminal justice, or other public service. The faculty Pre-Law advisor will assist students who are preparing for post-graduate study in Law. Students are encouraged to meet with the Pre-Law advisor at any time, but preferably before the end of their sophomore year.

Requirements for Pre-Law Minor | 24 Hours

<b>Class Name</b>		<b>Credit Hours</b>
<b>PLSC 101</b>	American National Government	<b>3 credit hours</b>
<b>CRJU 209</b>	American Courts & Judicial Process	<b>3 credit hours</b>
<b>PLSC 382 / CRJU 382</b>	Legal Political Thought-Classical	<b>3 credit hours</b>
<b>PLSC 383 / CRJU 383</b>	Legal Political Thought-Modern	<b>3 credit hours</b>
<b>CRJU 201</b>	Criminal Procedure	<b>3 credit hours</b>
<b>CRJU 205</b>	Criminal Law	<b>3 credit hours</b>
<b>PLSC 486 / CRJU 486</b>	Constitutional Law I: Civil Liberties	<b>3 credit hours</b>
<b>PLSC 483 / CRJU 483</b>	Constitutional Law II: National Powers	<b>3 credit hours</b>
<b>Note: the minor in Pre-Law will require the completion of a minimum of 18 unduplicated credit hours (hours not also applying to another degree)</b>		

Union College Mock Trial Program

Mock Trial is an intercollegiate competition in which undergraduate teams argue hypothetical legal cases before panels of judges. The intent of the competition is to permit students to experience, as closely as possible, the legal process as it operates in a court of law.

Participation in Mock Trial competition facilitates the development of students in several areas. The ability to work with and support others, an increased familiarity with the legal and judicial systems, and the opportunity to hone skills in the areas of communication and critical thinking are all primary goals of the program. Mock Trial is of particular benefit to students of Political Science, Criminal Justice, and Pre-Law, though all students are encouraged to participate.

Members of the Mock Trial team commit themselves to two (2) semesters of preparation and competition. The same case problem in all competitions through the year is utilized nationwide, and alternates between civil and criminal matters (odd year is a criminal matter).

Preparation for regional tournaments sponsored by the American Mock Trial Association (AMTA) continues throughout the fall. During the November through January period, several participating undergraduate programs across the country sponsor “invitational tournaments.” These competitions, while not AMTA sanctioned, allow teams to scrimmage with their counterparts from other schools and to familiarize themselves with the tournament format.

AMTA Regional Qualifying Tournaments typically take place during February and March. Teams advance to three National Tournaments in late March and April by invitation from AMTA, based upon their performance in regional qualifiers. The National Championship Tournament is usually held in late April. Students are eligible under AMTA rules to participate in Mock Trial as undergraduates for up to four academic years. Union College undergraduates may participate on a credit or non-credit basis. For-credit participation is limited to a total of six (6) hours and is awarded as upper division hours in Criminal Justice. These credit hours are general elective hours and do not satisfy the degree requirements for any specific academic program or degree plan.

Please note that participation in Mock Trial requires permission from instructor.

# SCHOOL OF PROFESSIONAL AND GRADUATE STUDIES

## Business

**Majors: Accounting; Business Management; and Marketing**

**Minors: Accounting; Business Management; and Marketing**

The Business department offers majors in business and business-related disciplines that may lead to graduate school, beginning a career in business, or entrance into other professions.

In addition to the general college requirements, all candidates for a Bachelor of Science with a major in Business must complete one of the following majors listed below. Students with a major or minor in Business must have a 2.0 GPA average for all courses in each major or minor.

Required Courses for all Accounting, Business Management, and Marketing Majors | 18 Credit Hours

Class Name	Credit Hours
<b>ACTG 270</b> Accounting for Managers 3 credit hours	3 Credit Hours
Or	
<b>ACTG 271</b> Managerial Accounting 3 credit hours	3 Credit Hours
<b>BUAD 151</b> Business Essentials 3 credit hours	3 Credit Hours
<b>BUAD 302</b> Business Communications 3 credit hours	3 Credit Hours
<b>BUAD 310</b> Legal Environment of Business 3 credit hours	3 Credit Hours
<b>COMP 241</b> Intermediate Technology Applications 3 credit hours	3 Credit Hours
<b>ECON 204</b> Principles of Microeconomics	3 Credit Hours

Accounting Major | 33 Additional Credit Hours

Class Name	Credit Hours
<b>ACTG 272</b> Financial Accounting	3 credit hours
<b>ACTG 331</b> Cost Accounting	3 credit hours
<b>ACTG 371</b> Intermediate Accounting I	3 credit hours
<b>ACTG 372</b> Intermediate Accounting II	3 credit hours
<b>ACTG 376</b> Tax Accounting	3 credit hours
<b>ACTG 433</b> Auditing	3 credit hours
<b>ACTG 471</b> Advanced Accounting	3 credit hours
<b>ACTG 472</b> Not-for-Profit & Fund Accounting	3 credit hours
<b>BUAD 303</b> Business Statistics	3 credit hours
<b>BUAD 351</b> Principles of Finance	3 credit hours
<b>ECON 203</b> Principles of Macroeconomics	3 credit hours

Accounting Minor | 21 Credit Hours

Class Name	Credit Hours
<b>ACTG 331</b> Cost Accounting	3 credit hours
<b>ACTG 371</b> Intermediate Accounting I	3 credit hours
<b>ACTG 372</b> Intermediate Accounting II	3 credit hours
<b>ACTG 376</b> Tax Accounting	3 credit hours
<b>BUAD 351</b> Principles of Finance	3 credit hours
<b>Choose 6 hours from the following:</b>	
<b>ACTG 471</b> Advanced Accounting	3 credit hours
<b>ACTG 472</b> Not-for-Profit Fund Accounting	3 credit hours



<b>ACTG 481</b>	<b>Special Topics in Accounting</b>	<b>3 credit hours</b>
<b>ACTG 433</b>	<b>Auditing</b>	<b>3 credit hours</b>
<b>ACTG 485</b>	<b>Accounting Internship (3 hours maximum)</b>	<b>3 credit hours</b>

**Business Management Major | 30 Additional Credit Hours**

<b>Class Name</b>	<b>Credit Hours</b>
<b>BUAD 303 Business Statistics</b>	<b>3 credit hours</b>
<b>BUAD 351 Principles of Finance</b>	<b>3 credit hours</b>
<b>BUAD 451 Strategic Decisions</b>	<b>3 credit hours</b>
<b>ECON 203 Principles of Macroeconomics</b>	<b>3 credit hours</b>
<b>MGMT 352 Principles of Management</b>	<b>3 credit hours</b>
<b>MKTG 321 Principles of Marketing</b>	<b>3 credit hours</b>
<b>MGMT 372 Human Resource Management</b>	<b>3 credit hours</b>
<b>MGMT 374 Operations Management</b>	<b>3 credit hours</b>
<b>General Electives, 6 hours level 300+ elective courses in ACTG, BUAD, ECON, MGMT, or MKTG</b>	

**Business Management Minor | 18 Credit Hours (For Non-Business-Related Majors)**

<b>Class Name</b>	<b>Credit Hours</b>
<b>ACTG 270 Accounting for Managers</b>	<b>3 credit hours</b>
<b>BUAD 151 Business Essentials</b>	<b>3 credit hours</b>
<b>ECON 204 Principles of Microeconomics</b>	<b>3 credit hours</b>
<b>BUAD 310 Legal Environment of Business</b>	<b>3 credit hours</b>
<b>MGMT 352 Principles of Management</b>	<b>3 credit hours</b>
<b>MKTG 321 Principles of Marketing</b>	<b>3 credit hours</b>

**Marketing Major | 30 Additional Credit Hours**

<b>Class Name</b>	<b>Credit Hours</b>
<b>BUAD 303 Business Statistics</b>	<b>3 credit hours</b>
<b>MGMT 352 Principles of Management</b>	<b>3 credit hours</b>
<b>MKTG 321 Principles of Marketing</b>	<b>3 credit hours</b>
<b>MKTG 322 Consumer Behavior</b>	<b>3 credit hours</b>
<b>MKTG 378 Sales Management</b>	<b>3 credit hours</b>
<b>MKTG 400 Marketing Management</b>	<b>3 credit hours</b>
<b>MKTG 450 Brand Management</b>	<b>3 credit hours</b>

**Select 9 hours from the following:**

<b>MKTG 370 Advertising</b>	<b>3 credit hours</b>
<b>MKTG 372 Public Relations</b>	<b>3 credit hours</b>
<b>MKTG 421 Business Logistics</b>	<b>3 credit hours</b>
<b>MKTG 481 Special Topics in Marketing</b>	<b>3 credit hours</b>
<b>MKTG 485 Marketing Internship</b>	<b>3 credit hours</b>
<b>BUAD 445 Global Business</b>	<b>3 credit hours</b>
<b>COMM 443 Social Media III</b>	<b>3 credit hours</b>

**Marketing Minor | 18 Credit Hours**

<b>Class Name</b>	<b>Credit Hours</b>
<b>MKTG 321 Principles of Marketing</b>	<b>3 credit hours</b>
<b>MKTG 322 Consumer Behavior</b>	<b>3 credit hours</b>
<b>MKTG 450 Brand Management</b>	<b>3 credit hours</b>
<b>9 hours of electives with the MKTG prefix, at 300+ level or above</b>	<b>9 credit hours</b>

**Management****Management Minor | 21 Credit Hours (For Non-Business-Related Majors)**

<b>Class Name</b>	<b>Credit Hours</b>
<b>MGMT 352 Principles of Management</b>	<b>3 credit hours</b>
<b>MGMT 372 Human Resource Management</b>	<b>3 credit hours</b>
<b>MGMT 374 Operations Management</b>	<b>3 credit hours</b>
<b>MGMT 400 Organizational Behavior &amp; Team Dynamics</b>	<b>3 credit hours</b>
<b>Business Electives (300+ level or above)</b>	<b>9 credit hours</b>

**Media Communication****Major (B.A. or B.S.) | 54 Semester Hours**

<b>Class Name</b>	<b>Credit Hours</b>
<b>COMM 221 Introduction to Media Studies</b>	<b>3 credit hours</b>
<b>COMM 232 Layout &amp; Design I</b>	<b>3 credit hours</b>
<b>COMM 234 Digital Career Management</b>	<b>3 credit hours</b>
<b>COMM 235 Social Media I</b>	<b>3 credit hours</b>
<b>COMM 261 Writing &amp; Speaking for the Media</b>	<b>3 credit hours</b>
<b>COMM 322 Persuasion</b>	<b>3 credit hours</b>
<b>COMM 331 Video Production I</b>	<b>3 credit hours</b>
<b>COMM 332 Layout &amp; Design II</b>	<b>3 credit hours</b>
<b>COMM 340 Social Media II</b>	<b>3 credit hours</b>
<b>COMM 342 Writing &amp; Speaking for the Media II</b>	<b>3 credit hours</b>
<b>COMM 363 Web I, User Experience &amp; Design</b>	<b>3 credit hours</b>
<b>COMM 364 Web II, Development</b>	<b>3 credit hours</b>
<b>COMM 441 Propaganda</b>	<b>3 credit hours</b>
<b>COMM 453 Strategic Storytelling</b>	<b>3 credit hours</b>
<b>COMM 462 Media Law</b>	<b>3 credit hours</b>
<b>COMM 472 Mass Communication Capstone</b>	<b>3 credit hours</b>

Choose 1 of the following (3 hours):

<b>COMM 211 Public Speaking</b>	<b>3 credit hours</b>
<b>COMM 422 Video Production II</b>	<b>3 credit hours</b>

Choose 1 of the following (3 hours):

<b>COMM 336 Layout &amp; Design III</b>	<b>3 credit hours</b>
<b>COMM 443 Social Media III</b>	<b>3 credit hours</b>
<b>COMM 464 Web III: Projects</b>	<b>3 credit hours</b>

**Media Communication Minor | 18 Total Hours**

<b>Class Name</b>	<b>Credit Hours</b>
<b>COMM 221    Introduction to Media Studies</b>	<b>3 credit hours</b>
<b>COMM 234    Digital Career Management</b>	<b>3 credit hours</b>
<b>12 hours of electives with the COMM prefix; 9 of the 12 hours must be at 300 level or above</b>	<b>12 credit hours</b>

**Social Media Management Certificate**

The Social Media Management Certificate comprises three, 8-week courses for both degree and non-degree seekers. It will be delivered entirely online and incorporates weekly writing assignments that build into the final project. By the time the certificate is complete, students will have an engagement plan, content plan, and a marketing plan created for use.

The Social Media Management Certificate consists of the following 9 hours:

<b>Class Name</b>	<b>Credit Hours</b>
<b>COMM 235    Introduction to Social Media</b>	<b>3 credit hours</b>
<b>COMM 340    Social Media Publishing Strategies</b>	<b>3 credit hours</b>
<b>COMM 443    Social Media III</b>	<b>3 credit hours</b>

## **Educational Studies**

The Educational Studies Unit (ESU) at Union College offers undergraduate certification programs at the elementary, middle grades, and secondary levels; a non-teaching degree in educational studies is also available. Union also offers programs leading to a master's degree or Rank I. Information about these programs is available.

The undergraduate teaching programs prepare students to teach for schools in Kentucky and the nation. Candidates are prepared to utilize emerging curriculum and instructional practices and are immersed in the rigors of the teaching profession through clinical observation and student teaching placement. Finally, through partnership with local and state Pre K-12 school districts, candidates are given opportunities for professional growth and development. The teacher education programs described on the following pages prepare students to receive baccalaureate degrees and, upon recommendation of the College, a Kentucky teacher's certificate. Students who wish to teach in a state other than Kentucky should determine certification requirements in that state and plan accordingly. Information on certification requirements in other states is also available.

### Educational Studies

Attention: The ESU is subject to regulatory requirements established by the Kentucky Education Professional Standards Board (EPSB) and the National Council of Accreditation for Teacher Education (NCATE). Those standards may supersede what is printed in this catalogue. Students are strongly advised to meet with their teacher education advisors before registration each semester and to check requirements frequently at [www.epsb.ky.gov](http://www.epsb.ky.gov).

#### Requirements for Admission to Teacher Education Program;

- Student has been admitted to Union College.
- Student has filed an application for admission to the Program.
- Student has signed a statement indicating his/her adherence to the EPSB Code of Ethics.
- Student has completed ENGL 111 (First Year Composition I) and ENGL 112 (First Year Composition II) (or equivalent) with a semester grade of C or better.
- Student has completed EDUC 210 (Early Involvement Practicum)/EDUC 211 (Early Involvement Seminar), and EDUC 231 (Schooling in American Culture), with a grade of "C" or better.
- Student has demonstrated General Education Proficiency by meeting the state approved minimum scores on the CASE Exam. Please check with the ESU for passing test score information.
- Student has completed a minimum of 30 credit hours with a GPA of 2.75 or better. (Note: a transfer student must have: [a] 2.75 cumulative GPA for all work completed at Union College and [b] an overall academic standing GPA of 2.75.)
- Student has successfully passed the Teacher Education Interview that evaluates the individual's dispositions and ability to communicate.
- Student has successfully completed and received passing scores on an essay based on the themes of the ESU to validate writing proficiency.
- Student has submitted a current criminal records check (less than 12 months old).

**Note:** Teacher Education program admission requirements are subject to change and additional fees may be required. Before applying, please contact the ESU.

#### Requirements for Admission to Student Teaching

Students requesting admission to student teaching must meet all eligibility requirements (full listing obtained from the department), must be approved by the Director of Student Teaching, and presented to the Teacher Education Committee.

Requirements for student teaching are:

- Admittance to the Teacher Education Program.
- Completed application for student teaching by midterm of the semester immediately preceding the term in which student teaching will occur.
- Senior standing with at least 96 semester hours of credit with a minimum cumulative GPA of 2.75 at Union College (Union College coursework only), and a minimum cumulative GPA of 2.75, including all Union College coursework and all accepted transfer work, if applicable. In addition, a minimum GPA of 2.75 in each subsection (pre-professional, professional, emphasis area, teaching fields) of the appropriate education curriculum plan.
- All coursework successfully completed in each subsection (pre-professional and professional) of the appropriate education curriculum plan, and no more than 6 hours of content coursework remaining. The appropriate Methods and Materials course (EDUC 388, Literacy in the Elementary School; EDUC 437, Methods & Materials in Middle School; and EDUC 447, Methods & Materials Secondary School) must also be completed with a grade of “C” or better.
- Moral, social, and ethical behavior that meets requirements of the College and the EPSB, and a signed Kentucky Teachers’ Code of Ethics statement to support such behavior.
- Submission of a current medical examination (within the preceding 12 months) and a current tuberculosis test (within the preceding 12 months).
- Submission of a current criminal record check (within the preceding 12 months) and documentation of tort liability insurance coverage or waiver (some school systems require criminal record checks for the preceding 6 months).
- Completion of institution prerequisites for time in residence and pre-student teaching field experiences (minimum of 200 hours of field-based observation and participation).
- Submission of institution prerequisites for time in residence and pre-student teaching field experiences (minimum of 200 hours of field-based observation and participation).
- Students cannot schedule any activities, including employment, during the time (7:30 AM – 3:30 PM) of student teaching.
- Submission of a preliminary student teaching agreement (contract) with all necessary signatures.

### **Elementary Education**

Elementary Education (P-5) majors need both a biological and physical science course; each course must include a laboratory. To be eligible for Student Teaching: (a) All Professional Courses excluding EDUC 488, Professional Interaction in the School, must be completed, and (b) All PRAXIS II content area and PLT tests must be passed. Also see Requirements for Admission to Student Teaching. Students must be admitted to Teacher Education to take Advanced Block classes.

#### I - Pre-Professional Courses

Pre-professional courses for students preparing to teach Elementary Education (P-5). Minimum GPA of 2.75 required. Union College Liberal Education Core (General Education transfer equivalency). Carefully read the Core requirements given in this catalogue. Students should meet with their advisors to check if all Core requirements are being met.

Class Name		Credit Hours
<b>PSYH 200</b>	<b>Introduction to Psychology</b>	<b>3 credit hours</b>
<b>PHED 261</b>	<b>Physical Education: Elementary School</b>	<b>3 credit hours</b>
<b>EDUC 271</b>	<b>Teaching Art in the Elementary School</b>	<b>3 credit hours</b>
<b>EDUC 305</b>	<b>Elementary Math for Teachers</b>	<b>3 credit hours</b>

<b>EDUC 363</b>	<b>Language Arts Instruction for Elementary &amp; Middle Grades Teachers</b>	<b>3 credit hours</b>
<b>MUSC 373</b>	<b>Elementary School Music</b>	<b>3 credit hours</b>
<b>EDUC 283</b>	<b>Educational Technology</b>	<b>3 credit hours</b>
<b>WELL 131</b>	<b>First Aid and Safety Education</b>	<b>3 credit hours</b>
<b>SPAN 213</b>	<b>Spanish for Professional Practice</b>	<b>3 credit hours</b>
<b>MATH 230</b>	<b>Elementary Probability &amp; Statistics</b>	<b>3 credit hours</b>

## II - Professional Preparation

Professional preparation for students preparing to teach Elementary Education (P-5). The following requirements cannot be met by CLEP, independent study, or pass/fail options. A GPA of 2.75 is required, and no grade below "C" is acceptable. To be eligible for Student Teaching (EDUC 458, Supervised Student Teaching Elementary School), all courses excluding EDUC 488, Professional Interaction in the School, must be completed.

Note: teacher certification requirements are subject to change. Additional fees may be required. Before registering for certifications tests, refer to the EPSB website at [www.kyepsb.net](http://www.kyepsb.net) for current requirements or call (502) 564-4604 or call toll free (888) 598-7667.

Courses in each semester are Corequisites and must be taken together. Courses are listed by semester block.

### Novice

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 231 Schooling in American Culture</b>	<b>3 credit hours</b>
<b>EDUC 210 Early Involvement Practicum</b>	<b>2 credit hours</b>
<b>EDUC 211 Early Involvement Seminar</b>	<b>1 credit hour</b>
<b>Total Hours Required for Novice Block</b>	<b>6 credit hours</b>
<b>The Novice Block is offered in the fall and spring semesters of each academic year.</b>	

### Intermediate

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 310* Intermediate Involvement Practicum</b>	<b>1 credit hour</b>
<b>SPED 321 Survey of Exceptionalities</b>	<b>3 credit hours</b>
<b>EDUC 374* Instructional Design and delivery in the Elementary School</b>	<b>3 credit hours</b>
<b>EDUC 470 Learning Theories for P12 Educators</b>	<b>3 credit hours</b>
<b>*Must be taken concurrently</b>	
<b>Total Hours Required for Intermediate Block</b>	<b>10 credit hours</b>
<b>The Intermediate Block is offered in the fall and spring semesters of each academic year.</b>	

### Advanced

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 318 Teaching Mathematics Elementary School</b>	<b>3 credit hours</b>
<b>EDUC 328 Elementary School Social Studies</b>	<b>3 credit hours</b>
<b>EDUC 338 Teaching Reading in Content Subject</b>	<b>3 credit hours</b>

<b>EDUC 348</b>	<b>Teaching Science in Elementary Grades</b>	<b>3 credit hours</b>
<b>EDUC 388</b>	<b>Literacy in the Elementary School</b>	<b>3 credit hours</b>
<b>EDUC 410</b>	<b>Advanced Involvement Practicum</b>	<b>1 credit hour</b>
<b>Total Hours Required for Advanced Block</b>		<b>16 credit hours</b>
<b>The Advanced Block for elementary majors is offered mainly during the fall semester of each academic year. All classes are restricted to those students who have been admitted to the Teacher Education Program.</b>		

#### Final

Class Name	Credit Hours
EDUC 458 Supervised Student Teaching Elementary School	12 credit hours
EDUC 488 Professional Interaction in the Schools	3 credit hours
Total Hours Required for Final Block	15 credit hours
The Final Block is offered during fall and spring semesters.	

### III – Academic Emphasis: Elementary Generalist Curriculum | 30 Additional Hours

A GPA of 2.75 is required and no grade below “C” is acceptable.

Class Name	Credit Hours
BIOL 109/110 General Biology	4 credit hours
EDUC 305 Elementary Math for Teachers	3 credit hours
EDUC 318 Teaching Mathematics Elementary School	3 credit hours
EDUC 363 Language Arts Instruction for Elementary & Middle Grades Teachers	3 credit hours
EDUC 388 Literacy in the Elementary School	3 credit hours
EDUC 328 Elementary School Social Studies	3 credit hours
EDUC 348 Teaching Science in Elementary Grades	3 credit hours
SOCI 131 Introduction to Sociology	3 credit hours
ECON 203 Principles of Macroeconomics	3 credit hours

Or

<b>ECON 204</b>	<b>Principles of Microeconomics</b>	<b>3 credit hours</b>
<b>HIST 311</b>	<b>American History to 1848</b>	<b>3 credit hours</b>
<b>HIST 312</b>	<b>American History from 1848 to 1919</b>	<b>3 credit hours</b>
<b>PLSC 101</b>	<b>American National Government</b>	<b>3 credit hours</b>
<b>HIST 110</b>	<b>Roots of Civilization</b>	<b>3 credit hours</b>
<b>GNSC 105</b>	<b>Physical Science</b>	<b>3 credit hours</b>
<b>GNSC 106</b>	<b>Physical Science Lab</b>	<b>1 credit hour</b>
<b>BIOL 112</b>	<b>Organismic Biology</b>	<b>4 credit hours</b>

#### Middle Grades Education

Appropriate PRAXIS II and PLT Tests must be successfully completed for certification. Also see Requirements for Admission to Student Teaching.

#### I - Pre-Professional Courses

Pre-professional courses for students preparing to teach Middle Grades (5-9). Minimum 2.75 GPA required.

- Liberal Education Core (or General Education transfer equivalency)
- MATH 230, Elementary Probability & Statistics
- PSYH 200, Introduction to Psychology

- EDUC 283, Educational Technology
- WELL 131, First Aid and Safety Education
- SPAN 213, Spanish for Professional Practice

## II - Professional Preparation

Professional preparation for Middle Grades Teachers (5-9). The following requirements cannot be satisfied by CLEP, independent study, or the pass/fail option. A GPA of 2.75 is required, and no grade below “C” is acceptable. To be eligible for Student Teaching: (a) All Professional Courses excluding EDUC 488, Professional Interaction in the School, must be completed, and (b) All PRAXIS II content area and PLT tests must be passed. Student must be admitted to Teacher Education to take Advanced Block classes.

Note: teacher certification requirements are subject to change. Additional fees may be required. Before registering for certification tests, refer to the EPSB website at [www.kyepsb.net](http://www.kyepsb.net) for current requirements or call (502) 564-4606 or call toll free (888) 598-7667.

Courses in each semester are Corequisites and must be taken together. Courses listed by semester block.

### Novice

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 231 Schooling in American Culture</b>	<b>3 credit hours</b>
<b>EDUC 211 Early Involvement Seminar</b>	<b>2 credit hours</b>
<b>EDUC 210 Early Involvement Practicum</b>	<b>1 credit hour</b>
<b>Total Hours Required for Novice Block</b>	<b>6 credit hours</b>
<b>The Novice Block is offered in the fall and spring semesters of each academic year.</b>	

### Intermediate

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 310* Intermediate Involvement Practicum</b>	<b>1 credit hour</b>
<b>SPED 321 Survey of Exceptionalities</b>	<b>3 credit hours</b>
<b>EDUC 375* Instructional Design Delivery Middle School</b>	<b>3 credit hours</b>
<b>EDUC 470 Learning Theories for P12 Educators</b>	<b>3 credit hours</b>
<b>*Must be taken concurrently</b>	
<b>Total Hours Required for Intermediate Block</b>	<b>10 credit hours</b>
<b>The Intermediate Block is offered in the fall and spring semesters of each academic year.</b>	

### Advanced

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 338 Teaching Reading in Content Subject</b>	<b>3 credit hours</b>
<b>EDUC 388 Literacy in the Elementary School</b>	<b>3 credit hours</b>
<b>EDUC 437* Methods and Materials in Middle School</b>	<b>3 credit hours</b>
<b>EDUC 410* Advanced Involvement Practicum</b>	<b>1 credit hour</b>
<b>*Must be taken concurrently</b>	
<b>Total Hours Required for Advanced Block</b>	<b>10 credit hours</b>
<b>The Advanced Block for middle school majors is offered mainly during the spring semester of each academic year. All classes are restricted to those students who have been admitted to the Teacher Education Program.</b>	



## Final

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 478 Supervised Student Teaching Middle Grades</b>	<b>12 credit hours</b>
<b>EDUC 488 Professional Interaction in the School</b>	<b>3 credit hours</b>
<b>Total Hours Required for Final Block</b>	<b>15 credit hours</b>
<b>The Final Block is offered during fall and spring semesters.</b>	

## III – Teaching Fields

Each student will complete a minimum of 23 semester hours in two fields of study, with a minimum GPA of 2.75 required in each teaching field, and no grade below a “C” is acceptable. Students who choose English/Communication as an academic emphasis must complete a 200-level English course prior to taking courses within the English/Communication emphasis.

### English / Communication | 24 Total Hours

<b>Class Name</b>	<b>Credit Hours</b>
<b>COMM 221 Introduction to Media Studies</b>	<b>3 credit hours</b>
<b>ENGL 310 Major Author</b>	<b>3 credit hours</b>
<b>EDUC 363 Language Arts Instruction for Elementary &amp; Middle Grades Teachers</b>	<b>3 credit hours</b>
<b>ENGL 421 History of the English Language</b>	<b>3 credit hours</b>
<b>ENGL 471 Shakespeare</b>	<b>3 credit hours</b>
<b>ENGL 315 Creative Writing</b>	<b>3 credit hours</b>
<b>English Genre Course (3 credit hours), select 1 of the following:</b>	
<b>ENGL 351 The English Novel I</b>	<b>3 credit hours</b>
<b>ENGL 352 The English Novel II</b>	<b>3 credit hours</b>
<b>ENGL 451 Modern Poetry</b>	<b>3 credit hours</b>
<b>ENGL 452 American Novel</b>	<b>3 credit hours</b>
<b>English Period Course (3 credit hours), select 1 of the following:</b>	
<b>ENGL 320 Medieval English Literature</b>	<b>3 credit hours</b>
<b>ENGL 321 Early Modern Literature</b>	<b>3 credit hours</b>
<b>ENGL 322 Restoration/Eighteenth Century Literature</b>	<b>3 credit hours</b>
<b>ENGL 323 Nineteenth Century Literature</b>	<b>3 credit hours</b>
<b>ENGL 431 Contemporary American Fiction</b>	<b>3 credit hours</b>

### Mathematics | 22 Total Hours

<b>Class Name</b>	<b>Credit Hours</b>
<b>MATH 110 Topics in Contemporary Mathematics</b>	<b>3 credit hours</b>
<b>MATH 131 College Algebra</b>	<b>3 credit hours</b>
<b>EDUC 305 Elementary Math for Teachers</b>	<b>3 credit hours</b>
<b>MATH 230 Elementary Probability &amp; Statistics</b>	<b>3 credit hours</b>
<b>MATH 241 Differential Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>MATH 301 Principles of Geometry</b>	<b>3 credit hours</b>
<b>Choose 1 of the following:</b>	
<b>MATH 133 Trigonometry and Analytic Geometry</b>	<b>3 credit hours</b>
<b>MATH 242 Intermediate Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>

<b>MATH 321</b>	<b>Discrete Mathematics</b>	<b>3 credit hours</b>
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#### Sciences | 24 Total Hours

<b>Class Name</b>	<b>Credit Hours</b>
<b>BIOL 111</b> General Biology	<b>4 credit hours</b>
<b>BIOL 232</b> General Zoology	<b>4 credit hours</b>
<b>GNSC 105</b> Physical Science	<b>3 credit hours</b>
<b>GNSC 106</b> Physical Science Lab	<b>1 credit hour</b>
<b>PHYS 111</b> College Physics I	<b>3 credit hours</b>
<b>PHYS 113</b> College Physics Lab I	<b>1 credit hour</b>
<b>BIOL 112</b> Organismic Biology	<b>4 credit hours</b>

**Choose 1 of the following groups:**

<b>PHYS 112</b> College Physics II	<b>3 credit hours</b>
<b>PHYS 114</b> College Physics Lab II	<b>1 credit hour</b>
<b>Or</b>	
<b>CHEM 121</b> General Chemistry I and Lab	<b>4 credit hours</b>

#### Social Studies | 24 Total Hours

<b>Class Name</b>	<b>Credit Hours</b>
<b>INSS 103</b> Cultural Geography	<b>3 credit hours</b>
<b>HIST 311</b> American History to 1848	<b>3 credit hours</b>
<b>HIST 312</b> American History from 1848 to 1919	<b>3 credit hours</b>
<b>ANTH 221</b> Introduction to Cultural Anthropology	<b>3 credit hours</b>

**Or**

<b>SOCI 131</b> Introduction to Sociology	<b>3 credit hours</b>
<b>PLSC 101</b> American National Government	<b>3 credit hours</b>

**Or**

<b>PLSC 231</b> International Politics	<b>3 credit hours</b>
<b>ECON 203</b> Principles of Macroeconomics	<b>3 credit hours</b>

**Or**

<b>ECON 204</b> Principles of Microeconomics	<b>3 credit hours</b>
<b>1 non-U.S. History course</b>	<b>3 credit hours</b>

**Or**

<b>HIST 110</b> Roots of Civilization	<b>3 credit hours</b>
<b>1 Elective (choose 1, 3-hour course) at the 300+ level from: History, Economics, Political Science, or Sociology</b>	<b>3 credit hours</b>

### **Secondary Education Curriculum**

Union College offers a variety of certification areas for secondary students. In accordance with state certification regulations, students wishing to teach at the secondary level must complete preparation in a standards-based format that is equivalent to a teaching field or specialization area.

Further, the student must have a minimum GPA for certification of cumulative 2.75 on a 4.0 scale on the last 60 hours of credit completed. Union College offers programs that lead to secondary certification (grades 8-12) in the following: Biology; Chemistry; English; Mathematics; and Social Studies. Multi-grade certification is available in Physical Education (P12) and Health (P12). See appropriate sections of catalogue for details. Appropriate

PRAXIS II and PLT tests must be successfully completed for certification. Also see Requirements for Admission to Student Teaching.

Note: teacher certification requirements are subject to change. Additional fees may be required. Before registering for certification tests, refer to the EPSB website at [www.kyepsb.net](http://www.kyepsb.net) for current requirements or call (502) 564-4606 or call toll free (888) 598-7667.

### I - Pre-Professional Courses

Pre-professional courses for students preparing to teach Secondary Education (8-12). Minimum GPA 2.75 required.

Liberal Education Core (or General Education transfer equivalency)

- PSYH 200, Introduction to Psychology
- EDUC 283, Educational Technology
- MATH 230, Elementary Probability & Statistics
- WELL 131, First Aid and Safety Education
- SPAN 213, Spanish for Professional Practice

### II - Professional Preparation

Professional preparation for Secondary Teachers (8-12). The following requirements cannot be satisfied by CLEP, independent study, or pass/fail option. A GPA of 2.75 is required, and no grade below “C” is acceptable. To be eligible for Student Teaching: (a) All Professional Courses excluding EDUC 488, Professional Interaction in the School, must be completed, and (b) All PRAXIS II content area and PLT tests must be passed. Candidate must be admitted to Teacher Education to take Advanced Block courses.

Courses in each semester are Corequisites and must be taken together. Courses are listed by semester block.

#### Novice

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 231    Schooling in American Culture</b>	<b>3 credit hours</b>
<b>EDUC 211    Early Involvement Seminar</b>	<b>2 credit hours</b>
<b>EDUC 210    Early Involvement Practicum</b>	<b>1 credit hour</b>
<b>Total Hours Required for Novice Block</b>	<b>6 credit hours</b>
<b>The Novice Block is offered in the fall and spring semesters of each academic year.</b>	

#### Intermediate

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 310*    Intermediate Involvement Practicum</b>	<b>1 credit hour</b>
<b>SPED 321    Survey of Exceptionalities</b>	<b>3 credit hours</b>
<b>EDUC 376*    Instructional Design &amp; Delivery Secondary School</b>	<b>3 credit hours</b>
<b>EDUC 470    Learning Theories for P12 Educators</b>	<b>3 credit hours</b>
<b>*Must be taken concurrently</b>	
<b>Total Hours Required for Intermediate Block</b>	<b>10 credit hours</b>
<b>The Intermediate Block is offered in the fall and spring semesters of each academic year.</b>	

#### Advanced

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 338    Teaching Reading in Content Subject</b>	<b>3 credit hours</b>
<b>EDUC 447*    Methods and Materials Secondary School</b>	<b>3 credit hours</b>

<b>EDUC 410</b>	<b>Advanced Involvement Practicum</b>	<b>1 credit hour</b>
<b>*Must be taken concurrently</b>		
<b>Total Hours Required for Advanced Block</b>		<b>7 credit hours</b>
<b>The Advanced Block for secondary majors is offered during the fall semesters of each academic year. All classes are restricted to those students who have been admitted to the Teacher Education Program.</b>		

#### Final

Class Name	Credit Hours
EDUC 498    Supervised Student Teaching Secondary School	12 credit hours
EDUC 488    Professional Interaction in the School	3 credit hours
Total Hours Required for Final Block	15 credit hours
The Final Block is offered during fall and spring semesters.	

#### Certification Options for Bachelor of Arts in Secondary Education

The following are teaching certification area options for the B.A. degree in Secondary Education. Students must choose one certification area.

#### English / Communication Certification | 30 Hours

Class Name		Credit Hours
COMM 221	Introduction to Media Studies	3 credit hours
ENGL 310	Major Author	3 credit hours
ENGL 327	Theories of Composition & Rhetoric	3 credit hours
ENGL 421	History of the English Language	3 credit hours
ENGL 471	Shakespeare	3 credit hours
ENGL 315	Creative Writing	3 credit hours

#### English Genre Course (3 credit hours), select 1 of the following:

<b>ENGL 351</b>	<b>The English Novel I</b>	<b>3 credit hours</b>
<b>ENGL 352</b>	<b>The English Novel II</b>	<b>3 credit hours</b>
<b>ENGL 451</b>	<b>Modern Poetry</b>	<b>3 credit hours</b>
<b>ENGL 452</b>	<b>American Novel</b>	<b>3 credit hours</b>

#### English Period Course (3 credit hours), select 1 of the following:

<b>ENGL 323</b>	<b>Nineteenth Century Literature</b>	<b>3 credit hours</b>
<b>ENGL 431</b>	<b>Contemporary American Fiction</b>	<b>3 credit hours</b>

#### English Genre Course (3 credit hours), select 1 of the following:

<b>ENGL 473</b>	<b>Popular Literature</b>	<b>3 credit hours</b>
<b>ENGL 475</b>	<b>Film</b>	<b>3 credit hours</b>

#### English Period Course (3 credit hours), select 1 of the following:

<b>ENGL 320</b>	<b>Medieval English Literature</b>	<b>3 credit hours</b>
<b>ENGL 321</b>	<b>Early Modern Literature</b>	<b>3 credit hours</b>
<b>ENGL 322</b>	<b>Restoration/Eighteenth Century Literature</b>	<b>3 credit hours</b>

#### Social Studies Certification | 39 Hours

<b>Class Name</b>	<b>Credit Hours</b>
<b>HIST 211 Topics in Global History</b>	<b>3 credit hours</b>
<b>HIST 311 American History to 1848</b>	<b>3 credit hours</b>
<b>HIST 312 American History from 1848 to 1919</b>	<b>3 credit hours</b>
<b>HIST 475 Special Topics: American History</b>	<b>3 credit hours</b>

**Or**

<b>HIST 235 Kentucky History</b>	<b>3 credit hours</b>
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**Choose 1 of the following:**

<b>HIST 413 Twentieth Century America</b>	<b>3 credit hours</b>
<b>HIST 431 American Revolutionary Era 1763-1789</b>	<b>3 credit hours</b>
<b>HIST 441 Civil War &amp; Reconstruction 1848-1877</b>	<b>3 credit hours</b>

**Choose 1 of the following:**

<b>HIST 341 History of Britain to 1688</b>	<b>3 credit hours</b>
<b>HIST 342 History of Britain since 1688</b>	<b>3 credit hours</b>
<b>HIST 451 Topics in Early European History</b>	<b>3 credit hours</b>
<b>HIST 452 Topics in Modern European History</b>	<b>3 credit hours</b>
<b>1 Non-U.S. History Elective (choose 1, 3-hour course) at the 300+ level</b>	<b>3 credit hours</b>

**Or**

<b>HIST 110 Roots of Civilization</b>	<b>3 credit hours</b>
<b>ECON 203 Principles of Macroeconomics</b>	<b>3 credit hours</b>
<b>ECON 204 Principles of Microeconomics</b>	<b>3 credit hours</b>
<b>PLSC 101 American National Government</b>	<b>3 credit hours</b>
<b>1 PLSC Elective (choose 1, 3-hour course) at the 200+ level</b>	<b>3 credit hours</b>
<b>SOCI 131 Introduction to Sociology</b>	<b>3 credit hours</b>
<b>INSS 103 Cultural Geography</b>	<b>3 credit hours</b>

### **Biology Certification | 43 Hours**

<b>Class Name</b>	<b>Credit Hours</b>
<b>BIOL 111 General Biology</b>	<b>4 credit hours</b>
<b>PHYS 111 College Physics I</b>	<b>3 credit hours</b>
<b>PHYS 113 College Physics Lab I</b>	<b>1 credit hour</b>
<b>CHEM 121 General Chemistry I</b>	<b>4 credit hours</b>
<b>CHEM 122 General Chemistry II</b>	<b>4 credit hours</b>
<b>BIOL 232 General Zoology</b>	<b>4 credit hours</b>
<b>BIOL 233 General Botany</b>	<b>4 credit hours</b>
<b>BIOL 441 Ecology</b>	<b>4 credit hours</b>
<b>BIOL 362 Transmission &amp; Population Genetics</b>	<b>4 credit hours</b>
<b>BIOL 363 Molecular Genetics</b>	<b>4 credit hours</b>
<b>BIOL 431 Cell Biology</b>	<b>4 credit hours</b>
<b>1 BIOL *Elective (choose 1, 3-hour course)</b>	<b>3 credit hours</b>
<b>*BIOL 331 (Human Physiology) and BIOL 334 (Microbiology) are recommended as electives for those seeking secondary certification.</b>	

**Chemistry Certification | 43 Hours**

<b>Class Name</b>	<b>Credit Hours</b>
<b>CHEM 121 General Chemistry I</b>	<b>4 credit hours</b>
<b>CHEM 122 General Chemistry II</b>	<b>4 credit hours</b>
<b>MATH 241 Differential Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>MATH 242 Intermediate Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>PHYS 211 General Physics I</b>	<b>4 credit hours</b>
<b>PHYS 212 General Physics II</b>	<b>4 credit hours</b>
<b>PHYS 213 General Physics Lab I</b>	<b>1 credit hour</b>
<b>CHEM 212 Analytical Chemistry</b>	<b>4 credit hours</b>
<b>CHEM 311 Organic Chemistry I</b>	<b>5 credit hours</b>
<b>CHEM 312 Organic Chemistry II</b>	<b>5 credit hours</b>
<b>CHEM 314 Physical Chemistry Lab</b>	<b>1 credit hour</b>
<b>CHEM 332 Physical Chemistry</b>	<b>3 credit hours</b>

**Mathematics Certification | 35 Hours**

<b>Class Name</b>	<b>Credit Hours</b>
<b>MATH 241 Differential Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>MATH 242 Intermediate Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>MATH 243 Multivariate Calculus &amp; Analytic Geometry</b>	<b>4 credit hours</b>
<b>MATH 333 Modern Algebra</b>	<b>3 credit hours</b>
<b>MATH 301 Principles of Geometry</b>	<b>3 credit hours</b>
<b>MATH 230 Elementary Probability &amp; Statistics</b>	<b>3 credit hours</b>
<b>MATH 331 Introduction to Linear Algebra</b>	<b>3 credit hours</b>
<b>MATH 332 Linear Algebra</b>	<b>3 credit hours</b>
<b>MATH 372 Probability &amp; Math Statistics</b>	<b>3 credit hours</b>
<b>PHYS 211 General Physics I</b>	<b>4 credit hours</b>
<b>PHYS 213 General Physics Lab</b>	<b>1 credit hours</b>

**Multi-Grade Curriculum**

Union College offers multi-grade certification for students. In accordance with state certification regulations, students wishing to teach at the primary through secondary level must complete preparation in a standards-based format that is equivalent to a teaching field or specialization area. Further, the student must have a minimum GPA for certification of cumulative 2.75 on a 4.0 scale on the last 60 hours of credit completed. Multi-grade certification is available in Health & Physical Education (P12). See appropriate sections of catalogue for details. Appropriate PRAXIS II and PLT tests must be successfully completed for certification. Also see Requirements for Admission to Student Teaching.

Note: teacher certification requirements are subject to change. Additional fees may be required. Before registering for certification tests, refer to the **EPSB website at [www.kyepsb.net](http://www.kyepsb.net) for current requirements or call (502) 564-4606 or call toll free (888) 598-7667.**

**I - Pre-Professional Courses**

Pre-professional courses for students preparing for multi-grade certification (P12). Minimum GPA 2.75 required.

- Union College Liberal Education Core (General Education transfer equivalency)
- PSYH 200: Introduction to Psychology

- EDUC 283: Educational Technology
- MATH 230: Elementary Probability & Statistics
- WELL 131: First Aid and Safety Education
- SPAN 213: Spanish for Professional Practice

## II - Professional Preparation

Professional preparation for multi-grade certification (P12). The following requirements cannot be satisfied by CLEP, independent study, or pass/fail option. A GPA of 2.75 is required, and no grade below “C” is acceptable. To be eligible for Student Teaching (EDUC 498, Supervised Student Teaching Secondary School), all courses excluding EDUC 488, Professional Interaction in the School, must be completed.

Courses in each semester are Corequisites and must be taken together. Courses are listed by semester block.

### Novice

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 231    Schooling in American Culture</b>	<b>3 credit hours</b>
<b>EDUC 211    Early Involvement Seminar</b>	<b>2 credit hours</b>
<b>EDUC 210    Early Involvement Practicum</b>	<b>1 credit hour</b>
<b>Total Hours Required for Novice Block</b>	<b>6 credit hours</b>
<b>The Novice Block is offered in the fall and spring semesters of each academic year.</b>	

### Intermediate

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 310*    Intermediate Involvement Practicum</b>	<b>1 credit hour</b>
<b>SPED 321    Survey of Exceptionalities</b>	<b>3 credit hours</b>
<b>EDUC 376*    Instructional Design &amp; Delivery Secondary School</b>	<b>3 credit hours</b>
<b>EDUC 470    Learning Theories for P12 Educators</b>	<b>3 credit hours</b>
<b>*Must be taken concurrently</b>	
<b>Total Hours Required for Intermediate Block</b>	<b>10 credit hours</b>
<b>The Intermediate Block is offered in the fall and spring semesters of each academic year.</b>	

### Advanced

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 338    Teaching Reading in Content Subject</b>	<b>3 credit hours</b>
<b>EDUC 447*    Methods and Materials Secondary School</b>	<b>3 credit hours</b>
<b>EDUC 410    Advanced Involvement Practicum</b>	<b>1 credit hour</b>
<b>*Must be taken concurrently</b>	
<b>Total Hours Required for Advanced Block</b>	<b>7 credit hours</b>
<b>The Advanced Block for secondary majors is offered during the fall semesters of each academic year. All classes are restricted to those students who have been admitted to the Teacher Education Program.</b>	

### Final

<b>Class Name</b>	<b>Credit Hours</b>
<b>EDUC 498    Supervised Student Teaching Secondary School</b>	<b>12 credit hours</b>

<b>EDUC 488 Professional Interaction in the School</b>	<b>3 credit hours</b>
<b>Total Hours Required for Final Block</b>	<b>15 credit hours</b>
<b>The Final Block is offered during fall and spring semesters.</b>	

#### Health & Physical Education P-12 Certification | 42 Hours

These requirements may not be satisfied by CLEP or the pass/fail option. A minimum 2.75 GPA is required, and no grade below “C” is acceptable.

<b>Class Name</b>	<b>Credit Hours</b>
<b>WELL 178 Life Choices</b>	<b>3 credit hours</b>
<b>WELL 361 Principles of Nutrition</b>	<b>3 credit hours</b>
<b>WELL 275 Foundations of Health Science</b>	<b>3 credit hours</b>
<b>WELL 311 Health Education - K-12</b>	<b>3 credit hours</b>
<b>WELL 131 First Aid and Safety Education</b>	<b>3 credit hours</b>
<b>WELL 350 Administration of Public Health</b>	<b>3 credit hours</b>
<b>WELL 340 Anatomy &amp; Physiology</b>	<b>3 credit hours</b>
<b>PHED 420 Physical Education: Exceptional Child</b>	<b>3 credit hours</b>
<b>PHED 261 Physical Education: Elementary School</b>	<b>3 credit hours</b>
<b>PHED 340 Motor Development</b>	<b>3 credit hours</b>
<b>PHED 351 Tests and Measurement in Health &amp; Physical Education</b>	<b>3 credit hours</b>
<b>PHED 410 Exercise Physiology (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>PHED 421 Kinesiology (\$25 consumable items fee required)</b>	<b>3 credit hours</b>
<b>PHED 461 Physical Education: Secondary School</b>	<b>3 credit hours</b>

#### Additional Fees Information

Additional fees will be charged to student accounts for the following:

<b>Course Number &amp; Name</b>	<b>Fee Description</b>	<b>Fee Amount</b>
<b>EDUC 210 Early Involvement Practicum</b>	CASE / Praxis I	<b>\$150</b>
	Chalk & Wire	<b>\$125</b>
	Kentucky Background Check	<b>\$21</b>
	Kentucky Education Association (KEA) ST (Student) Program	<b>\$30</b>
	KCPS Central Registry Check	<b>\$10</b>
<b>EDUC 310 Intermediate Involvement Practicum</b>	KEA Aspiring Educators Program	<b>\$30</b>
<b>EDUC 410 Advanced Involvement Practicum</b>	KEA Aspiring Educators Program	<b>\$30</b>
<b>EDUC 271 Teaching Art in the Elementary School</b>	Art Supply Fee	<b>\$30</b>



<b>EDUC 458 Supervised Student Teaching Elementary School</b>	Student Teaching Fee	<b>\$150</b>
	Aspiring Educators Program	<b>\$30</b>
<b>EDUC 478 Supervised Student Teaching Middle Grades</b>	Student Teaching Fee	<b>\$150</b>
	Aspiring Educators Program	<b>\$30</b>
<b>EDUC 498 Supervised Student Teaching Secondary School</b>	Student Teaching Fee	<b>\$150</b>
	Aspiring Educators Program	<b>\$30</b>

## Psychology

The psychology program at Union College helps students gain knowledge, skills, and abilities in the applied and basic science of psychology. Psychology students are prepared to be ethically responsible and have an enhanced understanding of human behavior and thought.

Psychology offers both graduate and undergraduate programs. Offered at the undergraduate level are:

1. Major in Psychology (Bachelor of Science, 45 credit hours)
2. Major in Substance Abuse Counseling (Bachelor of Science, 39 credit hours)
3. Minor in Psychology (21 credit hours)
4. Chemical Dependency Counselor Concentration program (21 credit hours)

The programs offer students broad exposure to the discipline of psychology. Students take a range of courses in clinical and experimental psychology and are encouraged to pursue an area of specialization. The majors, minor, and the concentration prepare students for a variety of careers, such as positions in the helping professions, or enables students to increase their knowledge of human behavior. Students who wish to specialize in various areas are encouraged to speak with their advisor as early as possible for guidance in selecting elective courses. For exceptionally qualified students majoring in psychology, an advanced admission to the master's program (the Psychology Scholars Program) is also available (see below). It allows for taking graduate courses at the lower cost of undergraduate classes, and both the bachelor's and master's degrees could be obtained in as little as five (5) years rather than the traditional six (6) years.

### Requirements for Psychology Major, Bachelor of Science | 45 Hours

33 Required Hours and 12 Hours Electives

<b>Class Name</b>	<b>Credit Hours</b>
<b>PSYH 200 Introduction to Psychology</b>	<b>3 credit hours</b>
<b>PSYH 290 Clinical Psychology</b>	<b>3 credit hours</b>
<b>PSYH 301 Statistics for Psychology</b>	<b>3 credit hours</b>
<b>PSYH 302 Research Design</b>	<b>3 credit hours</b>
<b>PSYH 315 Physiological Psychology</b>	<b>3 credit hours</b>
<b>PSYH 330 Social Psychology</b>	<b>3 credit hours</b>

<b>PSYH 332</b>	<b>Lifespan Development</b>	<b>3 credit hours</b>
<b>PSYH 352</b>	<b>Abnormal Psychology</b>	<b>3 credit hours</b>
<b>PSYH 461</b>	<b>History and Systems of Psychology</b>	<b>3 credit hours</b>
<b>PSYH 497*</b>	<b>Senior Seminar I</b>	<b>3 credit hours</b>
<b>PSYH 498</b>	<b>Senior Seminar II</b>	<b>3 credit hours</b>

It is recommended students take PSYH 301, Statistics for Psychology (only offered fall term) and PSYH 302, Research Design (only offered spring semester) during their junior year.

\*Prerequisites for PSYH 497: PSYH 200, PSYH 301, and PSYH 302. It is recommended students take PSYH 497 (Senior Seminar I) fall term and PSYH 498 (Senior Seminar II) spring term during their senior year.

Exit requirements for the psychology major include an acceptable score on the ETS® Major Field Test for Psychology, and a Senior Exit Interview to be scheduled in the last semester of course work. These departmental assessment activities will be coordinated by the School Dean in the semester the student plans to graduate (spring semester for May and August graduation; fall semester for December graduation). Information is provided to graduating seniors by the capstone course.

#### Psychology Major Electives | 12 Hours

Elective hours may be selected from any of the tracks below (General Psychology, Experimental, and/or Chemical Dependency), according to the student's career plans or interests.

#### General Psychology Track Electives

<b>Class Name</b>	<b>Credit Hours</b>
<b>PSYH 202 Forensic Psychology</b>	<b>3 credit hours</b>
<b>PSYH 275 Cross-Cultural Psychology</b>	<b>3 credit hours</b>
<b>PSYH 425 Crisis and Trauma</b>	<b>3 credit hours</b>
<b>PSYH 481 Special Topics in Psychology</b>	<b>3 credit hours</b>

#### Experimental Track Electives

<b>Class Name</b>	<b>Credit Hours</b>
<b>PSYH 350 Cognitive Psychology</b>	<b>3 credit hours</b>
<b>PSYH 360 Sensation and Perception</b>	<b>3 credit hours</b>
<b>PSYH 470 Learning Theories</b>	<b>3 credit hours</b>
<b>PSYH 475 Advanced Behavioral Neuroscience</b>	<b>3 credit hours</b>

#### Chemical Dependency Track Electives

<b>Class Name</b>	<b>Credit Hours</b>
<b>PSYH 405 Foundations of Chemical Dependency I</b>	<b>4 credit hours</b>
<b>PSYH 406 Foundations of Chemical Dependency II</b>	<b>4 credit hours</b>
<b>PSYH 407 Ethical Issues in Chemical Dependency Treatment</b>	<b>1 credit hour</b>
<b>PSYH 410 Psychology of Addictions</b>	<b>3 credit hours</b>
<b>PSYH 413 Recovery &amp; Relapse</b>	<b>3 credit hours</b>
<b>PSYH 424 Biological Systems of Chemical Dependency</b>	<b>3 credit hours</b>

Requirements for Psychology **Minor** | 21 Hours

Class Name		Credit Hours
<b>PSYH 200</b>	<b>Introduction to Psychology</b>	<b>3 credit hours</b>
<b>Students will complete either PSYH 301 and PSYH 302 or BHSC 245 and BHSC 246</b>		
<b>PSYH 301</b>	<b>Statistics for Psychology taken fall term, junior year</b>	<b>3 credit hours</b>
<b>PSYH 302</b>	<b>Research Design taken spring term, junior year</b>	<b>3 credit hours</b>
<b>Or</b>		
<b>BHSC 245</b>	<b>Basic Statistics: Theory &amp; Application</b>	<b>3 credit hours</b>
<b>BHSC 246</b>	<b>Methods of Behavioral Science Research</b>	<b>3 credit hours</b>

**Students will complete 12 credit hours of other Psychology Minor \*Electives:**

<b>PSYH XXX</b>	<b>3 credit hours</b>
<b>PSYH XXX</b>	<b>3 credit hours</b>
<b>PSYH XXX</b>	<b>3 credit hours</b>
<b>PSYH XXX</b>	<b>3 credit hours</b>

### **Substance Abuse Counseling**

Requirements for Substance Abuse Counseling Major, Bachelor of Science | 39 Hours

24 Required Hours, 6 Hours Professional Electives, 9 Hours Supporting Electives

Substance Abuse Counseling Core, Required Courses | 24 Hours

Class Name		Credit Hours
<b>PSYH 405</b>	<b>Foundations of Chemical Dependency I</b>	<b>4 credit hours</b>
<b>PSYH 406</b>	<b>Foundations of Chemical Dependency II</b>	<b>4 credit hours</b>
<b>PSYH 407</b>	<b>Ethical Issues in Chemical Dependency Treatment</b>	<b>1 credit hour</b>
<b>PSYH 410</b>	<b>Psychology of Addictions</b>	<b>3 credit hours</b>
<b>PSYH 413</b>	<b>Recovery &amp; Relapse</b>	<b>3 credit hours</b>
<b>PSYH 424</b>	<b>Biological Systems of Chemical Dependency</b>	<b>3 credit hours</b>
<b>PSYH 275</b>	<b>Cross-Cultural Psychology</b>	<b>3 credit hours</b>
<b>PSYH 485</b>	<b>Substance Abuse Internship</b>	<b>3 credit hours</b>

### Substance Abuse Counseling Professional Electives | 6 Hours

Choose 6 hours from the following:

<b>Class Name</b>	<b>Credit Hours</b>
<b>PSYH 200 Introduction to Psychology</b>	<b>3 credit hours</b>
<b>WELL 272 Drugs and Society</b>	<b>3 credit hours</b>
<b>SOCI 231 Juvenile Delinquency</b>	<b>3 credit hours</b>
<b>PSYH 352 Abnormal Psychology</b>	<b>3 credit hours</b>
<b>PSYH 202 Forensic Psychology</b>	<b>3 credit hours</b>
<b>CRJU 101 Introduction to Criminal Justice</b>	<b>3 credit hours</b>

### Substance Abuse Counseling Supporting Electives | 9 Hours

Choose 9 hours from the following:

<b>Class Name</b>	<b>Credit Hours</b>
<b>SOCI 464 Deviance &amp; Criminology</b>	<b>3 credit hours</b>
<b>PSYH 315 Physiological Psychology</b>	<b>3 credit hours</b>
<b>PSYH 332 Lifespan Development</b>	<b>3 credit hours</b>
<b>PSYH 330 Social Psychology</b>	<b>3 credit hours</b>
<b>PSYH 425 Crisis and Trauma</b>	<b>3 credit hours</b>
<b>PSYH 475 Advanced Behavioral Neuroscience</b>	<b>3 credit hours</b>
<b>PSYH 481 Special Topics in Psychology</b>	<b>3 credit hours</b>

### Additional Substance Abuse Counseling Graduation Requirements

- The General Education Core must be completed.
- Students must have a total of 39 upper division hours (300+ level course work).
- Students must earn a total of 120 credit hours.
- Students must have a minimum 2.0 GPA.

### **Chemical Dependency Counselor Certificate**

The Chemical Dependency Certificate Program is designed to train students in the skills necessary for assisting chemically dependent persons to alleviate that dependency. The program includes courses designed to provide students with knowledge of the field through focusing on the development of counseling skills specific to the needs of chemically dependent individuals as identified by appropriate agencies.

#### Requirements for Admission to the Chemical Dependency Counselor Certificate

- Entrance application (available in the Psychology Department)
- Two (2) letters of recommendation
- Statement of goals and objectives
- Signed curriculum contract on file in Psychology Department (available in the Psychology Department)
- For GPA requirements, contact Psychology Department

Consideration will be given to previous work experience, academic background, scholarship, interpersonal skills, and commitment to the field of chemical dependency.

#### Completion of the Chemical Dependency Counselor Certificate

- Application for program certificate
- Payment of \$25.00 application fee
- Completion of 21 credit hours (minimum of 14 credit hours earned at Union College)
- For GPA requirements, contact Psychology Department

Chemical Dependency Counselor Certificate | 21 Hours  
21 credit hours; a minimum of 14 credit hours earned at Union College

Class Name		Credit Hours
PSYH 405	Foundations of Chemical Dependency I	4 credit hours
PSYH 406	Foundations of Chemical Dependency II	4 credit hours
PSYH 407	Ethical Issues in Chemical Dependency Treatment	1 credit hour
PSYH 410	Psychology of Addictions	3 credit hours
PSYH 413	Recovery & Relapse	3 credit hours
PSYH 424	Biological Systems of Chemical Dependency	3 credit hours
PSYH 275	Cross-Cultural Psychology (elective)	3 credit hours

### **Kentucky State Board Information / Requirements for Certification as a Chemical Dependency Counselor:**

The Kentucky State Board accepts either undergraduate or graduate hours for credit toward certification. The Union College Chemical Dependency Counselor Concentration program satisfies the 270-contact hour requirement (270 classroom hours of board approved curriculum), including the ethics training requirement (6 hours of ethics training).

Completion of the Chemical Dependency Counselor Certificate does not automatically guarantee certification by the Kentucky Board of Alcohol and Drug Counselors but provides the requisite academic background to sit for the CADC (Certified Alcohol and Drug Counselor) examination. Kentucky state certification information can be found at: <http://adc.ky.gov>.

It is the student's responsibility to check reciprocal agreements among different states.

### **Undergraduates Taking Graduate Psychology Courses**

With permission from the School Dean, exceptional students, who have GPA 3.2 or higher, may enroll in up to four (4) graduate psychology courses between their junior and senior years (foundation courses only, and no more than two (2) courses per semester). These courses may satisfy elective requirements in the undergraduate psychology programs.

# ULearn Online Programs

Union College offers students options in online degree coursework on several academic levels. All online programs are affordable, convenient for all students, and feature Union's personal connection. Access all your coursework through Union's online Learning Management System – uLearn. Work with your classmates and faculty from home, office, coffee shop, or anywhere else to complete your degree. The online format is user friendly and technical support is available all day, every day. Online and Graduate Studies offers undergraduate programs during six terms a year, with eight-week courses in length. This allows learners to accelerate through a degree plan in order to accomplish their career and education goals.

## Applying as a Union Online and Graduate Studies Student

Students applying for admission, may apply online by completing the Union Online application.

Students who desire to complete campus-based undergraduate programs should complete a transfer student application.

## Admission Process/Standards for Undergraduate Programs

- Complete the Union Online Application.
- Provide documentation of high school graduation or GED.
- If applicable, provide official documentation of military training, other specialized training, and standardized examinations including DD-214, and CLEP / AP transcripts.
- Provide official, sealed transcripts of all attempted credit from previously attended colleges and universities.
- Completion of 120 semester hours, including completion of Liberal Education Core and all Major requirements.
- Students must maintain an overall GPA of at least 2.0.
- Full participation in College assessment activities.
- Transfer credits will be accepted at the level of the initiating institution. Therefore, if students transfer from a two-year institution, they must accumulate/earn at least 39 semester hours in Union College course work, at the 300 level or above, to be eligible for graduation. Thirty of the last 36 credit hours must be satisfactorily completed at Union College to be eligible for graduation.
- Students must have at least a 2.0 GPA on a 4.0 scale on all work from previous institutions. Students must be eligible to return to the previously attended institutions and be in good standing.
- Union College will record a summary of transfer credits, indicating the total number of hours accepted and the quality point average at the sending institution.
- Union accepts only transfer work in courses with a grade of "C" or above.
- Up to 81 credit hours will be accepted from a two-year institution. Up to 90 credit hours will be accepted from all sources.

## **Business Management**

Requirements for Business Management B.S. Major (Online) | 39 Credit Hours

Class Name	Credit Hours
ACTG 270 Accounting for Managers or ACTG 271 Managerial Accounting	3 credit hours
BUAD 151 Business Essentials	3 credit hours
BUAD 302 Business Communications	3 credit hours
BUAD 310 Legal Environment of Business	3 credit hours
BUAD 351 Principles of Finance	3 credit hours
COMP 241 Intermediate Technology Applications	3 credit hours
ECON 203 Principles of Macroeconomics	3 credit hours
ECON 204 Principles of Microeconomics	3 credit hours
MKTG 321 Principles of Marketing	3 credit hours
MGMT 372 Human Resource Management	3 credit hours
MGMT 374 Operations Management	3 credit hours

BUAD 451 Strategic Decisions	<b>3 credit hours</b>
General Electives, 6 Credit hours in level 300+ elective courses from ACTG, BUAD, ECON, MGMT, or MKTG	<b>12 credit hours</b>

## General Studies

Requirements for General Studies B.S. Major (Online) | 39 Hours

- General Studies Program Core | 39 hours
- Primary Area of Focus | 24 hours
- Secondary Area of Focus | 15 hours
- Additional requirements for General Studies Majors:
- The Liberal Education Core must be completed.
- General Studies requires 39 credits which includes a primary academic emphasis area with 24 credits and a secondary academic emphasis area with another 15 credits. Twenty-four (24) hours in the primary and secondary academic emphasis areas must be taken in upper division course work (300+ level classes).
- Students must have a total of 39 upper division hours (level 300+ courses) for graduation.
- Students must earn a total of 120 credit hours for graduation.
- Students must have a minimum 2.0 GPA for graduation.
- Students wishing to transfer more than 24 hours in a single discipline may petition to transfer those hours, but no additional hours taken in that discipline will count toward the General Studies degree.

## Law Enforcement

Requirements for Law Enforcement B.S. Major (Online) | 30 Hours

<b>Class Name</b>	<b>Credit Hours</b>
<b>Core courses:</b>	
<b>LAWS 101</b> Introduction to Law Enforcement	<b>3 credit hours</b>
<b>LAWS 220</b> Substantive Law for Enforcement Professionals	<b>3 credit hours</b>
<b>LAWS 230</b> Constitutional Procedure for Enforcement Professionals	<b>3 credit hours</b>
<b>LAWS 240</b> Homeland Security	<b>3 credit hours</b>
<b>LAWS 300</b> The Criminal Courts	<b>3 credit hours</b>
<b>LAWS 303</b> Criminal Investigation for Enforcement Professionals	<b>3 credit hours</b>
<b>LAWS 400</b> Criminal Justice Ethics	<b>3 credit hours</b>

**General Electives, 9 hours with at least 6 hours at level 300+, to be selected from the following in consultation with Academic Advisor:**

<b>LAWS 305</b> Juvenile Justice	<b>3 credit hours</b>
<b>LAWS 310</b> Corrections	<b>3 credit hours</b>
<b>LAWS 320</b> Probation & Parole	<b>3 credit hours</b>
<b>LAWS 325</b> Interviewing & Interrogation	<b>3 credit hours</b>
<b>LAWS 405</b> Victimology	<b>3 credit hours</b>
<b>LAWS 410</b> Criminology	<b>3 credit hours</b>
<b>LAWS 481</b> Special Topics: Law Enforcement	<b>3 credit hours</b>

# COURSE DESCRIPTIONS

ACTG 270: Accounting for Managers, (S) (3). This is an Accounting course for non-majors. It is a study of financial statements without the debits and credits. The study will emphasize analysis and use of financial statements rather than creation of them. This will be more beneficial for managers and investors than a course on bookkeeping.

ACTG 271: Managerial Accounting, (S) (3). Introduction to analysis and interpretation of accounting data with emphasis on its use by managers in planning operations, controlling activities, and in decision making. ACTG 270 accepted as substitute.

ACTG 272: Financial Accounting, (F) (3). An introduction to accounting concepts and principles with emphasis on preparations and reporting of financial information.

ACTG 331: Cost Accounting, (F) (3). Concepts of cost and methods in developing information for use by management in decision making process. The course is an analysis of costing from products, projects, and management control. Prerequisites: ACTG 272.

ACTG 371: Intermediate Accounting I, (F) (3). Accounting topics include the income statement, balance sheet, and change in owners' equity statements. Cash, receivables, inventories, plant, investments, and intangible assets are also covered. Prerequisites: ACTG 272.

ACTG 372: Intermediate Accounting II, (S) (3). Continuation of Accounting 371 covering current liabilities, contingent liabilities, long-term liabilities, accounting for income taxes, and owners' equity. State of Change in Financial Position, financial statement analysis, and the impact of changing prices are also covered. Prerequisites: ACTG 272.

ACTG 376: Tax Accounting, (S) (3). This course is a fundamental study of the federal income tax structure with emphasis upon the taxation of individuals. Included is an introduction to taxation of corporations and partnership, as well as administrative procedures and research. This course is relevant for any student, in any major.

ACTG 433: Auditing, (S) (3). This course serves as a Capstone course for accounting majors. Topics covered include discussion of the ethics and liability of the verification, analysis, and interpretation of accounting records, and issuance of audit reports and other reports by CPAs. Prerequisites: ACTG 372 and BUAD 351. This course must be taken at Union College. Students must earn a grade of "C" or higher in this course.

ACTG 471: Advanced Accounting, (F) (3). This course is an advanced in-depth discussion of accounting for joint ventures, consolidated statements, and inter-company transactions. Prerequisite: ACTG 372.

ACTG 472: Not-for-Profit & Fund Accounting, (S) (3). This course covers governmental and not-for-profit accounting, interim and segmental reporting, multi-national accounting, and insolvency. Prerequisite: ACTG 372.



ACTG 481: Special Topics in Accounting, (On Demand) (3). This is an advanced course on selected topics of interest in the field of Accounting. Prerequisites: Business Department major/minor with junior or senior standing and 21 credit hours in business courses or permission from instructor.

ACTG 485: Accounting Internship, (On Demand) (1-6). Supervised practical field experience at approved business site is combined with an academic component to strengthen the student's theoretical background. To be considered for a placement, the student has attained junior or senior status with 15 hours of completed Union College Department of Business courses, a Department of Business GPA of 3.0, and approval from School Dean. Students work 40 hours for each hour of credit and may earn up to a maximum of six (6) credit hours for successful performance. Course will be taken on a credit/fail basis only.

ANTH 221: Introduction to Cultural Anthropology, (F) (3). A survey of the archaeological and biological history of mankind as it relates to the development of man and his culture, with comparisons drawn between the cultures of primitive people and western civilizations.

ANTH 234: American Folklore, (F) (3). Folklore speaks to the creative expression of tradition in everyday life including the cultural, social, and family groups we are part of, and the formal or informal rituals in which we participate. Examples in this course are drawn from the diversity of American life. Topics may include, but are not limited to, storytelling, social media, humor, food ways, architecture, music, and the handmade. Students learn how folklore is documented and analyzed through readings, fieldwork, and presentations. Odd years only.

ANTH 251: North American Indian Cultures, (On Demand) (3). The historical development of North American Indian technology, and the cross-cultural study of four diverse Indian cultures at the time of White contact will be the main focus of this course. Economics, ecology, technology, role relations, medicine, politics, and conflict will be the focus of study in each culture.

ANTH 360: Introduction to Physical Anthropology, (On Demand) (3). This course will focus on the diversity of human life in the present and in the past. It will delve into such topics as humanity as a biological organism, and the behavioral and social life of primates and human ancestors. This course will consider ethnographic, physiological, and archaeological evidence.

APST 104: Introduction to Appalachian Studies, (S) (3). Beginning with the landmark contributions of Mr. Cratis Dearl Williams, this course will introduce students to the theories, methods, and understandings of Appalachian experiences. A broadly interdisciplinary course, it will incorporate the contributions of sociologists, anthropologists, historians, cultural geographers, psychologists, folklorists, and others.

APST 202: Service Learning, (On Demand) (3). This course has, as its major objective, the encouragement of critical thinking and practical experience, with respect to the concepts of citizenship and social responsibility. To achieve this objective, the course will examine Service Learning from historical and contemporary perspectives and provides students with a guided community-based learning experience.

APST 203: Wilderness in Appalachia, (S) (3). An introduction to wilderness in Appalachia as seen from ecological, social, political, and economic perspectives. Lectures, class discussion, readings, and writing assignments will lead up to, reflect upon, and complement a sustained and intensive wilderness field experience, which will occur during the spring break. Prerequisite: permission from instructor.

APST 204: Appalachian Culture, (S) (3). This course will introduce the culture of the Appalachian Region, from its earliest inhabitants, through the various immigrant groups, to the current situation of multicultural mixture.

APST 241: Sociology of Appalachia, (F) (3). Uses the basic principles and concepts of sociology to study life in the Appalachian region. The areas of study include socio-economic class, culture, folklore, social institutions, the family, religion, schooling, poverty, and development. Cross-lists with SOCI 241.

APST 300: Methods Qualitative Research & Community Development, (F) (3). This course will provide an introduction to the methods and tools of qualitative analysis and writing. Course material will include training in qualitative research, emphasizing interviewing, oral history collection, and historiography. Students will also have the opportunity to examine ethical issues related to historical writing, research, and presentation of materials. In addition, the course will cover the basic skills needed to conduct historical research, including locating, using, and evaluating sources, and will explore how such work can shape and inform community development initiatives at the local level. Readings will be assigned regarding qualitative methods as well as community development. Students will also be trained in oral history collection. Each student will be required to collect at least one oral history for this course.

APST 304: Peoples of Appalachia, (S) (3). Those living in the southern Appalachian Mountains are not a homogeneous bunch. Instead, there are diverse identities and histories for those living on the ridges, in the valleys, and in the hollows. By examining case studies of such peoples as African Americans, Hispanics, Cherokee, Melungeons, and coal miners, this course will explore these diverse experiences. Audiovisual materials will be used to supplement discussions and lectures.

APST 401: Feuds, Fights, Murders and Violence: Issues in Appalachia, (F) (3). Employing the approaches of a number of social scientific perspectives, this course will try to better understand violence, murder, and feuding in Appalachia and in the Upland South. This course will consider these issues through the examination of a series of case studies including a murder case in the Ozarks, the Hatfield-McCoy feud in Kentucky and West Virginia, and the violation of honor leading to violence in the South. Cross-listed with SOCI 401.

ATHT 131: Basic Athletic Training, (F) (3). Basic training in the prevention, recognition, care, assessment, and treatment of athletic injuries.

ATHT 152: Bracing and Taping, (S) (3). Development of skills in taping, bracing, and equipment fitting that are required for the entry-level athletic trainer. Prerequisite: ATHT 131.

ATHT 210: Care and Prevention of Athletic Injuries, (S) (3). Prepare entry-level athletic trainers with appropriate knowledge and skill to recognize, prevent, and treat common symptoms of acute athletic injuries. Prerequisite: Students must pass BIOL 330 to be admitted into ATHT 210.

ATHT 270: Palpation Anatomy for Health Sciences, (S) (3). Provide students with hands-on opportunity to locate, explore, and compare human body structures through palpation. This course will focus on musculoskeletal, nerve, and vascular structures. Prerequisite: BIOL 330 or permission from instructor. Corequisite: ATHT 210.

ATHT 308: Athletic Training Practicum I, (F) (2). Advanced opportunities to gain practical clinical skills and experiences for Athletic Training majors. Course will include integration of knowledge and skills from previous Athletic Training courses as well as review and evaluation of assigned NATA (National Athletic Trainers Association) proficiencies.

ATHT 309: Athletic Training Practicum II, (S) (2). Advanced opportunities to gain practical clinical skills and experiences for Athletic Training majors. Course will include integration of knowledge and skills from previous Athletic Training courses as well as review and evaluation of assigned NATA proficiencies.

ATHT 310: Sports Nutrition for Health Professionals, (3). This course covers the essentials of human nutrition that improve and sustain optimal performance for sport and exercise. The effects of eating disorders (in both male and female athletes), weight management, and sport nutrition resources are also discussed.

ATHT 322: Therapeutic Rehabilitation, (S) (3). Practical applications of athletic training techniques related to general rehabilitation concepts.

ATHT 323: Therapeutic Rehabilitation Lab, (S) (1). Laboratory activities that follow ATHT 322. This lab will focus on the theories, development, and applications of rehabilitation techniques that are utilized in the treatment and of injuries to the physically active.

ATHT 325: Emergency Response Management, (F) (3). This course is designed to provide the student with knowledge and skills to meet the needs of most situations when emergency first aid care is critical to saving a life and minimizing the severity of injuries. The course includes examination of various risk factors and discussion of personal safety and accident prevention. At the end of the course, students will attempt certification in American Red Cross CPR for the Professional Rescuer.

ATHT 333: Therapeutic Modalities, (F) (3). Focus on tissue repair, theories of pain, physiology of therapeutic modalities and applications. Prerequisite: ATHT 132. Corequisite: ATHT 272.

ATHT 334: Therapeutic Modalities Lab, (F) (1). This lab will focus on the theories and applications of therapeutic modalities that are utilized in the treatment and rehabilitation of injuries to the physically active. Prerequisite: ATHT 210. Corequisite: ATHT 333.

ATHT 341: Evaluation I: The Appendicular Skeleton, (F) (3). This course, the first of two, will focus on principles of assessment, postural and gait analysis, and evaluation of orthopedic injuries to the appendicular skeleton.

ATHT 342: The Appendicular Skeleton Lab, (F) (1). This lab will focus on orthopedic assessment of the extremities, including special tests, muscular testing, and functional assessment of injuries.

ATHT 345: Evidence Based Medicine for Athletic Trainers, (F) (3). Prepare students to analyze and coordinate clinical and educational research to improve clinical skills with their patients in evaluation, rehabilitation, and education. Upon completion of this course, students will be educated consumers of research. Prerequisite: admission to Athletic Training program.

ATHT 351: Evaluation II: Axial Skeleton, (S) (3). This course will focus on principles of assessment, postural and gait analysis, and evaluation of orthopedic injuries to the axial skeleton.

ATHT 352: The Axial Skeleton Lab, (S) (1). This lab will focus on orthopedic assessment of the extremities, including special tests, muscular testing, and functional assessment of injuries to the axial skeleton.

ATHT 365: Corrective Exercise, (3). This course will present an evidence-based approach to corrective exercise, the components of a comprehensive solution, and the practical know-how to develop and implement integrated strategies to improve common movement impairments. Students completing this course will be prepared to take NASM's Corrective Exercise Specialist credentialing examination.

ATHT 375: Athletic Training Administration, (S) (3). Current issues in the organization and administration of health care delivery systems in secondary, collegiate, professional, corporate, clinical, and industrial settings. Prerequisite: admittance into the professional component of the Program through formal application or permission from instructor.

ATHT 405: Advanced Rehabilitation Techniques, (S) (3). Practical applications of advanced techniques related to rehabilitation concepts.

ATHT 408: Athletic Training Practicum III, (F) (2). Advanced opportunities to gain practical clinical skills and experiences for Athletic Training majors. Course will include integration of knowledge and skills from previous Athletic Training courses as well as review and evaluation of assigned NATA proficiencies.

ATHT 409: Athletic Training Practicum IV, (S) (2). Advanced opportunities to gain practical clinical skills and experiences for Athletic Training majors. Course will include integration of knowledge and skills from previous Athletic Training courses as well as review and evaluation of assigned NATA proficiencies.

ATHT 410: General Medical Concerns, (F) (3). Current medical topics relevant to athletic trainers will contribute to the knowledge and competency that an entry-level athletic trainer should possess, to recognize specific medical conditions and athletic injuries. This course will be taught by Athletic Training faculty and Allied Health Professionals.

ATHT 425: Pharmacology, (F) (3). Introduces the basic principles of pharmacology. Focus will be on providing information relating to drugs: historical perspectives, drug absorption, distribution, metabolism, and elimination. Additional topics to be explored include, but are not limited to, legal and ethical considerations in drug therapy, drugs in sports, and alternative medicine regimes.

ATHT 445: Leadership in Athletic Training, (S) (3). This course teaches the student about leadership in the healthcare industry. This class will also discuss the ethics that a leader should have at all times. Finally, this class will discuss the dilemmas a leader may face on a daily basis.

ATHT 475: Senior Seminar, (S) (3). Course will include discussions of topics relevant to NATA certification examination. Students will complete oral and written practice tests. This culmination of the supervised clinical experience will afford the Athletic Training student the opportunity to prepare and present a case study that presents the clinical experience. These presentations will follow the recommended abstract format for the NATA.

BHSC 245: Basic Statistics: Theory & Application, (S) (3). Basic concepts of descriptive and inferential statistics; illustrations of applications in the fields of sociology, psychology, business, education, and natural science.

BHSC 246: Methods of Behavioral Science Research, (F) (3). Techniques and philosophies of behavioral science research including experimental, quasi experimental, survey, evaluation, field, and unobtrusive designs for the collection and interpretation of information.

BIOL 101: Human Biology, (F) (S) (3). An introductory study of the human body, including the basic structure and function of the tissues and major organ systems and the effects of diet, exercise, stress, and environmental change on human health. Strongly recommended for pre-health professions majors.

BIOL 102: Human Biology Lab, (F) (S) (W) (1). The lab to accompany BIOL 101, Human Biology. Exercises and investigations into the structure and physiology of humans.

BIOL 109: Elements of Biology, (F) (S) (3). An introduction to the principles of modern biology including biological chemistry, cell biology, modern and classical genetics, cellular energetics, ecology, and evolution.

BIOL 110: Elements of Biology Lab, (F) (S) (1). Laboratory to accompany BIOL 109 which is a pre- or co-requisite.

BIOL 111: General Biology, (F) (S) (4). A course emphasizing general concepts of modern biology for majors and non-majors. Topics surveyed include cell biology, bioenergetics, molecular and Mendelian genetics, reproduction, development, evolution, and ecology. Laboratory work is included. Prerequisites: high school biology and chemistry, ACT Natural Science score of 25 or higher, and recommended for freshmen.

BIOL 112: Organismic Biology, (4). A survey of the classification and major types of organisms. Building on the principles learned in BIOL 109, plant and animal types, life cycles, and physiological systems will be surveyed. Prerequisite: BIOL 109 or equivalent. Fee: \$20 lab supplies fee required.

BIOL 151: Medical Terminology, (On Demand) (2). The study of the specialized terminology of medical science. Recommended for pre-professional students, allied health students, and students in other health-related fields. Those seeking secondary certification cannot count this course toward certification requirements. This course does not meet the biological science requirement for teacher education.

BIOL 232: General Zoology, (S) (4). A survey of the animal kingdom with emphasis on physiological systems and diversity. Prerequisite: BIOL 111.

BIOL 233: General Botany, (F) (4). A survey of the organisms which possess cell walls including: selected protists, fungi, and especially plants. Emphasis is given to ecological and economic importance, morphology, and evolutionary relationships. The course also involves a brief review of cell structure and cell energetics. Prerequisite: BIOL 111.

BIOL 235: Microbiology for Health Professions, (S) (4). This is a foundation course designed in collaboration with nursing and other health sciences. Students will be introduced to the classification, morphology, physiology, and genetics of bacteria, fungi viruses, and other microorganisms, as well as their role in nature, health, and industry. This course includes a laboratory component. Prerequisites: BIOL 101, BIOL 109 or BIOL 111, and CHEM 212 or CHEM 230.

BIOL 330: Vertebrate Anatomy & Histology, (S) (4). The anatomical study of the tissues, organs, and organ systems of vertebrates with emphasis on human anatomy. Laboratory work primarily involves detailed study of the human skeleton, other anatomical structures, and microscopic examination of vertebrate tissues. Prerequisite: BIOL 101, BIOL 109 or BIOL 111.

BIOL 331: Human Physiology, (F) (S) (4). A study of the functioning of the human organ systems with normal and clinical considerations. Prerequisites: CHEM 121 or CHEM 230.

BIOL 334: Microbiology, (On Demand) (4). An introduction to the classification, morphology, physiology, and genetics of bacteria, fungi, viruses, and micro metazoans, as well as their roles in nature, health, and industry. Laboratory work stresses techniques for the culture and identification of micro-organisms. A portion of the course is devoted to immunology. Prerequisites: BIOL 111, CHEM 121, and CHEM 122; BIOL 361 is highly recommended.

BIOL 362: Transmission & Population Genetics, (F) (4). The study of the processes by which genes and chromosomes are transmitted from parent organisms to offspring and from one unrelated organism to another. It is also an introduction to the genetic composition of populations and the changes in genetic composition of populations as they undergo Darwinian evolution.

BIOL 363: Molecular Genetics, (S) (4). The study of the molecular structure of genes and chromosomes, and the molecular mechanisms of gene function (protein synthesis), replication, repair, regulation, and transposition. The genetic control of embryological development is also addressed and an introduction to genomics is provided.

BIOL 421: Biochemistry, (On Demand) (3). A survey of major topics of biochemistry including thermodynamics, enzyme kinetics, and photosynthesis; and the structure, synthesis and metabolism of lipids, carbohydrates, proteins, and nucleic acids. Prerequisites: BIOL 111 and CHEM 312.

BIOL 430: Embryological Development, (On Demand) (3). Invertebrate and vertebrate developmental biology; embryonic gastrulation neurulation, patterning, organogenesis, plant development, gene function, cell signaling, and signal transduction during embryogenesis. Includes Evo-devo: evolution and embryological development.

BIOL 431: Cell Biology, (F) (4). An in-depth survey of the structure and function of a wide range of living cells with consideration of biochemical and biophysical bases of this structure and function. Certain characteristics of viruses are also considered. Prerequisites: BIOL 232 and BIOL 233; CHEM 121 and CHEM 122; BIOL 361 is highly recommended.

BIOL 436: Evolution, (On Demand) (3). An introduction to the theory and processes of evolutionary biology. Topics include the historical development of the discipline, the principal mechanisms by which it occurs, tempo and mode of speciation, both biological and geological sources of evidence, and the impact of evolutionary thought on biology and society. Prerequisites: BIOL 232 and BIOL 233; BIOL 361 is highly recommended.

BIOL 441: Ecology, (F) (4). A study of the relationships between organisms and their abiotic and biotic environment including biogeochemical cycles, population dynamics, diversity, and community organization and structure. Prerequisites: BIOL 232 and BIOL 233.

BUAD 151: Business Essentials, (F) (S) (3). A study of business functions, methods of business operation, types of business ownership, and the role of business organizations in contemporary society. The course covers the organization and role of business in the free enterprise system. The course is designed to provide an overview of the field of business and to provide a framework into which specialized fields may be studied.

BUAD 302: Business Communications, (F) (S) (3). Methods of mastering writing, research, and presentation skills needed in business. The course emphasizes preparing, organizing, and communicating business information. Also enhances speaking, reading, and listening skills. Prerequisite: BUAD 151.

BUAD 303: Business Statistics, (F) (S) (3). This course is designed to familiarize basic concepts of statistics and statistical methods used in business. This course aims to equip students with the capability for applying statistical methods and interpreting the meaning of the result. It includes topics such as: organizing and interpreting data; probability; hypothesis testing; correlations and regressions; Chi square and F-distributions; and nonparametric statistics. Prerequisite: MATH 110 or MATH 131.

BUAD 310: Legal Environment of Business, (F) (S) (3). This course provides a theoretical legal framework within which responsible decisions can be made. The course relates legal principles of the firm's responsibility to society. The traditional legal environment topics, such as judicial reasoning, administrative law, antitrust law, contracts, torts, agencies, real and personal property, leases, bankruptcy, and business-related laws are discussed.

BUAD 351: Principles of Finance, (F) (3). This course introduces managerial finance as a functional area of business, including financial analysis, working capital practices, capital budgeting, corporate valuation, and cost of capital and capital structure, while building upon the quantitative analysis associated with the managerial financial activities of an organization. Financial analysis will require expanded use of Excel. Prerequisite: ACTG 271.

BUAD 376: Entrepreneurship, (S) (3). This course provides the tools for establishing a successful small business venture. In this applied course, students will actually begin and implement a small business by developing a business plan that includes the business purpose, competitive advantage, marketing plan, management team, facility location, and financial requirements. Prerequisites: BUAD 151, MGMT 352. Odd years only.

BUAD 402: Business Protocol, (F) (3). This is a study of domestic and international protocol procedures for conducting business in a global society. This course will examine customs, courtesies, lifestyle, the people, and a nation's history and government. Prerequisite: BUAD 151.

BUAD 404: Investments, (On Demand) (3). Intermediate discussion of stocks, bonds, and other investments, analysis of the theories of investing, and return and risk valuation of stock. Prerequisite: BUAD 351 or permission from instructor.

BUAD 430: Project Management, (S) (3). This course introduces the key concepts, tools, and principles of strategy formulation and competitive analysis. It is concerned with managerial decisions and actions that affect the performance and survival of business enterprises. The course is focused on the information, analyses, organizational processes, and skills and business judgment managers must use to devise strategies, position their businesses, and define firm boundaries and maximize long-term profits in the face of uncertainty and competition. Prerequisites: BUAD 151, MGMT 352.

BUAD 445: Global Business, (S) (3). A study of the global business practices commonly used throughout the world. This course will focus on functional areas of business and their various applications in a global setting. Prerequisite: BUAD 151.

BUAD 451: Strategic Decisions, (S) (F) (3). A Capstone course for Business Administration majors which attempts to bring together knowledge acquired in all of the functional areas of business

(accounting, economics, finance, management, marketing and technology). Strategic decision-making models will be introduced to develop the implementation of functional knowledge to life situations. Prerequisites: senior status in Business Administration or Sports Management program and the successful completion of ACTG 272, BUAD 310, BUAD 351, ECON 204, MKTG 321 and MGMT 352. Students must earn a grade of “C” or higher in this course.

BUAD 481: Special Topics in Business, (On Demand) (3). Investigation of selected topics of importance in the field of business. Prerequisite: Business Department major or minor with junior or senior standing and 21 credit hours in business courses or permission from instructor.

BUAD 485: Business Administration Internship, (On Demand) (1-6). Supervised practical field experience at approved business site is combined with an academic component to strengthen the student’s theoretical background. To be considered for a placement, the student has attained junior or senior status with 15 hours of completed Union College Department of Business courses, a Department of Business GPA of 3.0, and approval from School Dean. Students work 40 hours for each hour of credit and may earn up to a maximum of six (6) credit hours for successful performance. Course will be taken on a credit/fail basis only.

CHEM 121: General Chemistry I, (F) (4). A two-semester sequence. A systematic study of the fundamentals and applications of the experimental and theoretical laws of chemistry. Major topics include nomenclature, stoichiometry, chemical thermodynamics, equilibrium, acid-base reactions, atomic and molecular theory and structure, chemical kinetics, and nuclear chemistry. Examples and problems are drawn from all areas of chemistry. Laboratory experiments in general chemistry illustrate basic principles and develop laboratory skills. Experiments are coordinated with the General Chemistry topics. Inorganic qualitative analysis is included in CHEM 122. Three hours of laboratory per week. Prerequisite: A working knowledge of algebra such as is acquired in two years of high school algebra, or MATH 131 (which may be taken concurrently), or a composite ACT score of 21. CHEM 121 and CHEM 122 are prerequisites to all other chemistry courses.

CHEM 122: General Chemistry II, (S) (4). A two-semester sequence. A systematic study of the fundamentals and applications of the experimental and theoretical laws of chemistry. Major topics include nomenclature, stoichiometry, chemical thermodynamics, equilibrium, acid-base reactions, atomic and molecular theory and structure, chemical kinetics, and nuclear chemistry. Examples and problems are drawn from all areas of chemistry. Laboratory experiments in general chemistry illustrate basic principles and develop laboratory skills. Experiments are coordinated with the General Chemistry topics. Inorganic qualitative analysis is included in CHEM 122. Three hours of laboratory per week. Prerequisite: A working knowledge of algebra such as is acquired in two years of high school algebra, or MATH 131 (which may be taken concurrently), or a composite ACT score of 21. CHEM 121 and CHEM 122 are prerequisites to all other chemistry courses.

CHEM 212: Analytical Chemistry, (F) (4). A study of important volumetric and gravimetric analyses presented from a modern theoretical standpoint. Also an introduction to the study of advanced methods of analysis including some newer instrumentation techniques. Prerequisites: CHEM 121 and CHEM 122.

CHEM 230: General, Organic & Biochemistry, (F) (S) (3). This is a foundation course designed in collaboration with nursing and health sciences. Students will be introduced to the basics of general, organic, and biochemistry to help them understand the role of chemistry in our lives and health. Both quantitative and qualitative descriptions of matter and the changes that matter undergoes will be studied. The interrelationships of chemistry with other areas/disciplines will be stressed. Chemistry boosts



numerical, analytical, and problem solving skills which are valuable in the health professions and general education. Prerequisite: high school AP Chemistry or permission from instructor.

CHEM 311: Organic Chemistry I, (F) (S) (5). A two-semester sequence. A course in the chemistry of organic compounds. Unitized laboratory work is designed to illustrate the basic principles of organic chemistry. Prerequisites: CHEM 121 and CHEM 122.

CHEM 312: Organic Chemistry II, (F) (S) (5). A two-semester sequence. A course in the chemistry of organic compounds. Unitized laboratory work is designed to illustrate the basic principles of organic chemistry. Prerequisites: CHEM 121 and CHEM 122.

CHEM 313: Descriptive Physical Chemistry, (On Demand) (3). A study of the fundamentals of thermodynamics, quantum theory, chemical kinetics, and statistical mechanics. Prerequisites: CHEM 121 and CHEM 122, or PHYS 111 and PHYS 112, or PHYS 211 and PHYS 212.

CHEM 314: Physical Chemistry Lab, (On Demand) (1). A laboratory course designed to accompany CHEM 313, CHEM 332, and PHYS 331.

CHEM 332: Physical Chemistry, (On Demand) (3). A study of atomic structures and chemical bonding in terms of modern quantum theory. Topics include quantum mechanics, molecular spectra, and chemical kinetics. Prerequisites: MATH 242 and PHYS 212. Odd years only.

CHEM 381: Special Topics in Chemistry, (S) (On Demand) (3-12). An in-depth study of selected chemistry topics presented under formal classroom organization. Prerequisites: CHEM 311 or CHEM 312 and permission from instructor.

CHEM 411: Inorganic Chemistry, (S) (On Demand) (4). A systematic study of the structure, properties and reactions of non-carbon elements, with emphasis on the non-metals and the transition metals. Topics include atomic-molecular structure and bonding, physical methods of investigation, organometallic chemistry, and bioinorganic chemistry. Prerequisites: CHEM 121 and CHEM 122.

CHEM 413: Organic Spectroscopy, (F) (3). Organic spectroscopy is a one-semester course that will provide the student with an in-depth understanding of the instrumentation and techniques of modern spectroscopic methods and their application to structural elucidation. Interpretation of spectral data obtained from techniques such as MS, UV-VIS, IR, H1-NMR, and C13-NMR. COSY and NOESY will be stressed during the semester. Prerequisites: CHEM 311 and CHEM 312.

COMM 211: Public Speaking, (S) (Online) (3). Examines the principles and process of speech communication through applied oral presentations in a small group public speaking setting. Discussion and application of basic theories of human communication and role of audience in the communication process.

COMM 221: Introduction to Media Studies, (F) (S) (Online) (3). Examines the history of mass communication with an emphasis on the evolution of media. This course enhances media literacy by addressing the history of media through the societal, economic, technological, and political spectrums through which the media is influenced and influences. Formerly ENCO 221.

COMM 232: Layout & Design I, (F) (3). Students learn the basics of layout and design using publishing software including Photoshop and Illustrator. Photography, Lightroom, and graphic design will be introduced.

COMM 234: Digital Career Management, (S) (3). Students explore various aspects of life and career management within the field of Communications and related disciplines. This course provides students with the skills to manage large projects from inquiry through concept to final product, understand their digital footprint, prepare for a career, and to create the space and beginnings of a personal portfolio.

COMM 235: Social Media I, (S) (Online) (3). Competency in the online arena requires an understanding of the Internet as more than “just another channel” or promotional vehicle. Students are introduced to the history, theory, technology, and uses of social media. Social Media (such as Twitter, Facebook, blogging, etc.) are technologies enabling individuals to create, collaborate, and share messages with audiences of all sizes.

COMM 261: Writing & Speaking for the Media, (F) (3). Students learn basic journalism writing—the fundamentals of writing and speaking for print, broadcast, internet and emerging media, focusing on writing and speaking to inform, the editing process, and integration of visual and audio elements. Application work includes hard news pieces and short feature pieces: The News Story.

COMM 322: Persuasion, (S) (3). Examines classical and contemporary theories and applications of rhetoric, persuasion, propaganda, social change and the processes involved in attitudinal changes. Students will research major media corporations and share their results. Analytical and critical thinking skills will be reviewed and practiced. Students will also review effects research resulting in a literature review. Texts are from a variety of media (novels, newspapers, television, film, etc.) and addressing a variety of topics (politics, religion, social causes, etc.).

COMM 331: Video Production I, (F) (3). In studio production applicable for a variety of digital platforms. Work will include television, web, and social media. Specific topics covered include pre-production planning, writing, and strategy, production skills involving camera, lenses, lighting, switchers, directing, and related post-production activities including editing.

COMM 332: Layout and Design II, (S) (3). Students build upon Layout and Design I lessons—looking more in depth at the software (Illustrator, InCopy, and InDesign), theory and practice of layout and design within print, online, and magazine. This course focuses on more complex products such as packaging, those with multiple pages, and single page pieces which are part of a larger campaign.

COMM 336: Layout and Design III, (S) (3). Students build upon Layout and Design II lessons—exploring theories, styles, and approaches through implementation and practice. This course focuses on more complex products such as packaging, print design, typography design, illustration, and campaign development. Prerequisites: COMM 221, COMM 232, and COMM 363. Odd years only.

COMM 340: Social Media II, (F) (Online/Hybrid) (3). Students will understand how to determine a target audience, how to figure out what interests them, and when and how to reach them. Students will navigate around social platforms and know when to use which platform. They will also explore the behavioral and psychological factors that drive social media, how to use social media without spending money to build community and market a brand, and to design effective communication strategies of social networks through storytelling.

COMM 342: Writing & Speaking for the Media II, (S) (3). Building upon the journalistic writing and speaking skills from Writing and Speaking for the Media I, students continue to hone their skills in writing and speaking for print, broadcast, internet and emerging media. Students apply strategies of

persuasion, storytelling, and marketing through blogging, vlogging, and video production. The editing process is more fully highlighted and explored in this course. Prerequisite: COMM 261.

COMM 363: Web I, User Experience & Design, (F) (Online/Hybrid) (3). Students learn and practice designing a website using digital strategy with the user in mind. This course covers market research, graphic design for the web, project management, and digital strategy.

COMM 364: Web II, Development, (S) (Online/Hybrid) (3). Students study and implement how to deconstruct a website design in order to build a site using WordPress' Content Management System and learn how to develop a mobile responsive site that communicates a message. Prerequisite: COMM 363.

COMM 422: Video Production II, (S) (3). This course builds upon Video Production I and emphasizes location and field production. Specific topics covered include advanced production skills: camera, lenses, lighting, directing and editing. Genres, styles, basic shots, and reproducing shots will be explored. Work will include advertising and PR products and will frequently be on-location (some in-studio work). Prerequisite: COMM 331.

COMM 441: Propaganda, (F) (3). Propaganda is pervasive; it is completely encompassing our modern culture, and our world. "It is in the very air we breathe" (Nimmo, 1993). It is a major form of social power with consequences. This course will analyze the techniques and media, the effects and ethics of persuasion and propaganda—intended and unintended, individual, and societal.

COMM 443: Social Media III, (S) (3). Mobile internet usage continues to explode, and it has been predicted that it will overtake desktop internet usage in the next five years. Successful businesses need to understand the current mobile landscape and how to harness the power of mobile marketing to reach key target markets. This survey course will examine how mobile marketing fits into the overall digital and social media strategy. We will investigate geo-marketing, localized marketing, designing for mobile media, mobile websites, mobile advertising, m-commerce and mobile spending, SMS, and mobile apps. Students will develop a creative mobile marketing campaign that integrates with a traditional marketing plan.

COMM 453: Strategic Storytelling, (F) (3). When you share a brand's message via stories, you are more likely to impact the target audience. The impact of great stories is measured in how they affect people's emotions and perceptions. This course shares some of the greatest brand stories (and some to learn from). Students will produce a package and a plan for stories designed to captivate stakeholders and produce results for an organization. The emphasis of this course isn't so much direct outcomes, but great stories that help us achieve those outcomes.

COMM 462: Media Law, (S) (3). Examines segments of the U.S. laws which govern mass media including freedom of the press (First Amendment to the U.S. Constitution, libel, invasion of privacy, pornography/obscenity). This course will address laws and regulations pertaining to print, radio, broadcast, and web media, with an emphasis on broadcast media. Prerequisite: junior standing.

COMM 464: Web III: Projects, (F) (Online/Hybrid) (3). Students will learn how to develop an integrated digital media campaign. Through strategic planning, students will develop a web project from initial inquiry through media ready implementation. Prerequisites: COMM 363, COMM 364, COMM 235, and COMM 340.

COMM 472: Mass Communication Capstone, (S) (3). In this course, students complete a semester long group media project and also write and produce a film. Students are also responsible for all aspects from

idea development, production, casting, editing through promotion, and presentation on Premiere Night. Prerequisite: junior standing. Formerly ENCO 472.

COMM 480: TV Production or PR Practicum, (On Demand) (1). Supervised on-campus field work in communication, either in television production or public relations. Television production provides experience in developmental, creative work, concepts and storyboards, production (including camera work, lighting, and talent) and 103 and post-production (particularly as it involves editing). PR Practicum provides experience in writing, reporting, editing, photojournalism, advertising, and desktop publishing. Prerequisites: COMM 380 and junior standing. May be repeated for credit.

COMM 485: Internship: Communication, (On Demand) (up to 6). Professional experience with focus on gaining experience in writing, editing, design, advertising, or photography. Students work a minimum of 30 hours for each hour of credit. Prerequisites: 14 credit hours in completed COMM courses and junior or senior standing.

COMP 241: Intermediate Technology Applications, (F) (S) (3). An intermediate level of office productivity applications, such as word processing, spreadsheet, presentation, database, and web-page design are presented. Students will gain an in-depth theoretical and practical knowledge of these applications. They will be capable of implementing the knowledge attained in this course to solve business problems.

COMP 250: Introductory Programming, (S) (3). This is an introductory course in computer programming in which visual programming and object-oriented programming is employed. It introduces basic programming concepts such as data types, decisions, looping, arrays, files, and databases. The course will utilize the most current language in the marketplace.

*CRJU 101 (Introduction to Criminal Justice) and PLSC 101 (American National Government) are prerequisites to all CRJU courses numbered 200 or greater.*

CRJU 101: Introduction to Criminal Justice, (F) (S) (3). An introduction to the system and process of criminal justice encompassing the history and development of both, as well as an examination of their contemporary characteristics.

CRJU 201: Criminal Procedure, (Offered Annually) (3). Substantive law course examining prevailing legal standards for arrest, search and seizure, self-incrimination and confessions, the exclusionary rule, and other matters pertaining to suspect rights and governmental prerogatives in the context of criminal proceedings. (Alternates [F] / [S] with CRJU 205.)

CRJU 205: Criminal Law, (Offered Annually) (3). Substantive law course providing an introduction to criminal law including the origins and principles of criminal law, criminal liability, criminal defenses, and crimes against persons and property. (Alternates [F] / [S] with CRJU 201.)

CRJU 209: American Courts & Judicial Process, (S) (3). This course presents an overview of the development of federal and state court systems examining structure, administration, case flow, and interaction with other portions of the criminal justice and governmental systems. Cross-listed with PLSC 209.

CRJU 302: Methods & Problems of Investigation, (3). This course introduces the student to the fundamentals of police science investigation. An overview of the current problems that law enforcement

investigators face will be addressed. Also, a comparative analysis of different agencies will be outlined. Prerequisites: CRJU 101 or permission from instructor. Cross-listed with LAWS 302.

CRJU 306: Topics in Criminal Justice, (3). Provides in-depth coverage of topics not included in the regular Criminal Justice curriculum. Cross-listed with PLSC 306.

CRJU 382: Legal Political Thought - Classical, (F) (3). This course examines ancient understandings of law, statesmanship, and the good society. Problems relating to these interwoven components of the political arena are considered on both theoretical and practical levels, the first concerning what the relationship of citizen and state should be, the latter involving review of practices as seen through the lives of actual rulers from ancient Greece and Rome. Cross-listed with PLSC 382.

CRJU 383: Legal Political Thought - Modern, (S) (3). This course examines the way in which seminal questions with relation to the proper foundations and structures of society have been approached in the modern era. Analysis includes examination of founders, religion, and the military, especially in connection to the concepts of fortune and necessity. Cross-listed with PLSC 383.

CRJU 387: Criminal Justice Practicum, (On Demand) (3). Criminal justice practicum consists of an 80-hour field placement in a law enforcement, legal/judicial, or corrections environment. Prerequisites: CRJU 200 or permission from instructor and upper division standing.

CRJU 390: Comparative Criminal Justice System I, (F) (1). Course examines and compares structural and policy attributes of non-American systems of justice. Specific systems considered vary continuously by semester and academic year and include those outside the Anglo-American and Western traditions. This course may be used interchangeably for satisfaction of degree requirements for the Criminal justice major (requires completion of two semester hours).

CRJU 391: Comparative Criminal Justice System II, (S) (1). Course examines and compares structural and policy attributes of non-American systems of justice. Specific systems considered vary continuously by semester and academic year and include those outside the Anglo-American and Western traditions. This course may be used interchangeably for satisfaction of degree requirements for the Criminal Justice Major (requires completion of two semester hours).

CRJU 401: Public Policy and Criminal Justice, (F) (3). This course involves close examination of fundamental policy questions arising within the system of criminal justice and involves consideration of the linkages between crime; electoral politics; policies of executive, judicial, legislative, and administrative structures; and the substantive law. This course is an integrative capstone for undergraduate study within the Liberal Education Core and the Criminal Justice program. Available for upper-division elective credit in Political Science. Prerequisite: upper division standing. Cross-listed with PLSC 401.

CRJU 405: The American Founding, (F) (3). The American Founding is an inquiry into the governing principles of the Declaration of Independence and how its transformation culminated in the Constitution of the United States. To understand the modern American political system requires a re-examination of first principles and the relationship between the two fundamental documents of the American republic. Even years only. Cross-listed with PLSC 405.

CRJU 409: Statesmen, Soldiers & Leadership, (F) (3). This course is an inquiry into the nature, purpose, origin, structure, and practical consequences of political and military leadership. Questions

concerning the elements of great leadership from perspectives of personal attributes and implementation of policy will be of prime import. Odd years only. Cross-listed with PLSC 409.

CRJU 470: Political Violence, (On Demand) (3). The purpose of this course is to introduce the student to the issues relating to violence as a component of politics. Topics such as terrorism, warfare, and arms proliferation will be analyzed, as well as regional flashpoints such as the Middle East. Cross-listed with PLSC 470. Odd years only.

CRJU 483: Constitutional Law II: National Powers, (S) (Alternates Annually) (3). An overview of the United States Supreme Court's interpretation of Articles I, II, and III of the federal Constitution. These articles divide the powers of the federal government between three ostensibly co-equal branches. The respective branches may only exercise those powers granted to them by the respective Articles. Powers not delegated to one of the branches are reserved to the states. These two constitutional principles - separation of powers and federalism - invariably generate conflicts among the three branches and between the branches and the various states. The Supreme Court's efforts to arbitrate such conflicts are examined through analysis of its decisions and its efforts to interpret the "plain meaning" of the Constitution's language, and to discern the "intent of the founders." Cross-listed with PLSC 483. (Alternates annually with CRJU 486 / PLSC 486.)

CRJU 486: Constitutional Law I: Civil Liberties, (S) (Alternates Annually) (3). The development and interpretation of the Constitution examined through analysis of the decisions of the Supreme Court and secondary sources, focusing on the Bill of Rights and the Fourteenth Amendment. The course serves as an introduction to how our national heritage of civil liberties has been articulated by the Court to form law and legal doctrine over the course of two centuries, including consideration of the areas of privacy, public morality, defendant's rights, and the death penalty. Prerequisites: CRJU 201 and CRJU 205, or permission from instructor. (Alternates annually with CRJU 483 / PLSC 483.) Cross-listed with PLSC 486.

CRJU 495: Independent Study, (On Demand) (1-3). Independent study and/or research on approved topics. Prerequisite: permission from instructor.

ECON 203: Principles of Macroeconomics, (F) (S) (3). This course will introduce the student to macroeconomic theory including a study of the economizing problem, pure and mixed economics systems, demand and supply, the economic functions of government, national income accounting, the business cycle, employment theory, money and banking, and fiscal policy.

ECON 204: Principles of Microeconomics, (F) (S) (3). This course will introduce the student to microeconomic theory, including demand and supply analysis, elasticity, the production function, price and output determination, costs of production, pricing and employment of resources, and market structures.

ECON 481: Special Topics in Economics, (On Demand) (3). An advanced course of selected topics of interest in the field of Economics. Prerequisite: Business major/minor with junior or senior standing and 21 credit hours in business courses or permission from instructor.

EDUC 210: Early Involvement Practicum, (F) (S) (1). Students are assigned to a school classroom and meet periodically to discuss and generalize their experiences. Fifty (50) hours of field experience is required. Novice Block. To be taken concurrently with EDUC 211 and EDUC 231. Additional fees will apply.

EDUC 211: Early Involvement Seminar, (F) (S) (2). A practical course in which students are introduced to the culture of teaching. The course focuses specifically on dispositions and the key aspects of Kentucky's Unbridled Learning Initiative and Kentucky Core Academic Standards. Students set up their web-based electronic student portfolios. Novice Block. To be taken concurrently with EDUC 210 and EDUC 231.

EDUC 231: Schooling in American Culture, (F) (S) (3). This course will expose students to the many facets of education, especially teaching. It is designed to help the students make the important decision about a professional career. Students will be guided through the history and philosophy of education, the requirements and responsibilities of the teacher, the nature of the curriculum, an introduction to behavioral theory, and social issues that impact schooling. Fifteen (15) hours of field experience is required. Novice Block. To be taken concurrently with EDUC 210 and EDUC 211.

EDUC 271: Teaching Art in the Elementary School, (F) (3). A studio course involving many kinds of art projects in media suitable to and practicable for elementary grades. Additional course fees will apply.

EDUC 283: Educational Technology, (F) (S) (3). This course explores classroom applications of educational technology. Students will examine the integration of educational technology in classroom settings through web-based resources, video case studies, in-class discussions, and field experiences. Students will evaluate and use digital applications and tools in addition to educational web sites and software. The use of technology in designing and implementing various types of assessment (pre-assessment, formative, and summative) will be explored. Emphasis will be placed on the understanding of issues and techniques related to the use of technology in P12 educational settings. This is a hybrid course with face-to-face, online meetings, and assignments.

EDUC 305: Elementary Math for Teachers, (F) (S) (3). Utilizing both Kentucky and National Council of Teachers for Mathematics (NCTM) standards, this course will provide a comprehensive overview of mathematical instruction for elementary teachers across the P-6 grade spectrum. Special emphasis is placed on content mastery expectations, knowledge and implementation of pedagogical theories, and differentiated instruction needs for all students as they relate to the success of an elementary teacher. An additional focus for the course is to address mathematic components of the PRAXIS II exam.

EDUC 310: Intermediate Involvement Practicum, (F) (S) (1). The second of three public school field experiences during which students spend fifty (50) hours observing and participating in developmentally appropriate classroom teaching activities. Course is to be taken by (a) elementary majors concurrently with EDUC 374, EDUC 470, and SPED 321; (b) middle school majors concurrently with EDUC 375 and SPED 321; and (c) secondary majors concurrently with EDUC 376 and SPED 321. Fifty (50) hours of field experience is required. Intermediate Block. Prerequisite: completion of Novice Block. Additional fees will apply. Corequisite: EDUC 374, EDUC 375, and EDUC 376.

EDUC 318: Teaching Mathematics Elementary School, (F) (S) (3). Focuses upon the development of the understanding of the content and professional issues associated with the teaching and learning of mathematics, in the elementary school setting. Emphasized are the content of elementary mathematics, developing an understanding of how children learn, and how to promote that learning by teaching through problem solving, and how to plan for and assess learning on a daily basis. Also included are strategies for incorporating children's literature, technology, and differentiation of instruction to meet the needs of the diverse learners in today's classrooms. Advanced Block. Prerequisites: admission to Teacher Education, completion of Intermediate Block, and EDUC 305.

EDUC 328: Elementary School Social Studies, (F) (S) (3). This course focuses on the methods and materials, and the principles and practices, needed to foster intellectual and social growth in primary and elementary school students in the area of social studies. Emphasis will be placed on appropriate and broad social studies content review, highlighting the instructional practices related to geography and history, and other social science disciplines. Discussion of philosophies and terminology, evaluation of methods and materials, and development of a thematic unit will be included. Advanced Block. Prerequisites: admission to Teacher Education and completion of Intermediate Block.

EDUC 338: Teaching Reading in Content Subject, (F) (S) (3). This course focuses on the design, planning, and implementation of instruction while recognizing the unique literacy demands of content-area coursework. Emphasis is placed upon comprehension and study strategies, the reading and writing connection, the role of technology in today's classrooms, the importance of differentiated instruction that respects cultural differences, and the needs of the diverse learner. Students participate in in-class microteaching demonstrations, develop a content-area instructional unit, and submit an electronic portfolio entry as a result of off-site visits to minority classrooms. Twenty-five (25) hours of field experience is required. Advanced Block. Prerequisites: admission to Teacher Education and completion of Intermediate Block.

EDUC 348: Teaching Science in Elementary Grades, (F) (S) (3). The students will examine science curriculum materials and activities in terms of Piaget's developmental stages. Topics will be identified that could be taught using experimental, inquiry, or discovery methods. Lesson plans will be developed using each of the three methods and activities constructed. Advanced Block. Prerequisites: admission to Teacher Education, completion of Intermediate Block classes, and completion of science core courses.

EDUC 363: Language Arts Instruction for Elementary & Middle Grades Teachers, (F) (S) (3). Utilizing both Kentucky and National Council of Teachers of English (NCTE) standards, this course will provide a comprehensive overview of language arts instruction for elementary and middle grades teachers across the P-8 grade spectrum. Special emphasis of the course is placed on content mastery expectations, knowledge and implementation of pedagogical theories, and differentiated instruction needs for all students.

EDUC 374: Instructional Design & Delivery Elementary School, (F) (S) (3). This course focuses on the design elements and delivery mechanisms of curriculum in the classroom. Students will develop competencies in instructional focus and assessment, and the relationship between these concepts. The students will produce a Standards Based Unit of Study. Intermediate Block. Prerequisite: completion of Novice Block. Corequisite: EDUC 310.

EDUC 375: Instructional Design Delivery Middle School, (F) (S) (3). This course focuses on the design elements and delivery mechanisms of curriculum in the classroom. Students will develop competencies in instructional focus and assessment and the relationship between these concepts. The students will produce a Standards Based Unit of Study. Intermediate Block. Prerequisite: Novice Block. Corequisite: EDUC 310.

EDUC 376: Instructional Design & Delivery Secondary School, (F) (S) (3). A required course for all secondary majors who plan to student teach. This course focuses on the design elements and delivery mechanisms of curriculum in the classroom. Students will develop competencies in instructional focus and assessment, and the relationship between these concepts. The students will produce a Standards Based Unit of Study. Intermediate Block. Prerequisite: Novice Block. Corequisite: EDUC 310.



EDUC 388: Literacy in the Elementary School, (F) (S) (3). Education 388 focuses on the principles, techniques, and materials for the teaching of reading in the primary grades, with an emphasis on the methods and materials which provide for developmental and differentiated instruction. Also included will be discussion of various reading philosophies, practices, and terminology; evaluation of instructional methods and materials; independent completion of a word attack tutorial for teachers; development of a literature focus unit; and reading and discussion of children's literature selections. Sixteen (16) hours of field experience is required. Advanced Block. Prerequisites: admission to Teacher Education and completion of Intermediate Block.

EDUC 410: Advanced Involvement Practicum, (F) (S) (1). To be taken concurrently with courses in Advanced Block. Specific assignments to be completed in the field will come from Corequisite courses. Fifty (50) hours of field experience is required. Prerequisites: admission to Teacher Education and completion of Intermediate Block. Additional fees will apply. Corequisite: EDUC 437 or EDUC 447.

EDUC 437: Methods & Materials in Middle School, (F) (S) (3). This course focuses on instructional strategies and materials needed for releasing the potential for the middle grade student, leading from concrete to abstract learning. The course will include curriculum concepts and designs, innovative activities using hands-on experiences, techniques of writing lesson plans, the development of a unit of work, materials for journal writing, class demonstrations, and evaluation. Prerequisites: admission to Teacher Education and completion of Intermediate Block. Corequisite: EDUC 410.

EDUC 447: Methods and Materials Secondary School, (F) (S) (3). Current teaching methods, materials, and innovations in the secondary school, with directed observations, micro-teaching, and curriculum design. Internet, PowerPoint, and Web-page design will also be covered. Prerequisites: admission to Teacher Education and completion of Intermediate Block. Corequisite: EDUC 410.

EDUC 458: Supervised Student Teaching Elementary School, (F) (S) (12). Supervised student teaching in the elementary school for a period of 70 instructional days and 525 clinical hours. Students will work closely with a classroom teacher, a college supervisor, and the school principal in a team approach to apply knowledge and skills acquired in their coursework. Prerequisite: passing score on PRAXIS II and PLT Tests. See Requirements for Admission to Student Teaching. Additional course fees will apply. Corequisite: EDUC 488.

EDUC 470: Learning Theories for P12 Educators, (F) (S) (3). Students will research, examine, and apply the major historical and modern learning theorists/theories utilized by P12 school districts to advance the cause of student achievement for all learners. Further, students will evaluate, implement, and assess key concepts, models, and strategies related to commonly recognized learning theories including but not limited to: behaviorism, constructivism, cognitivism, and connectivism. A significant focus of the course also centers on preparing Education students to successfully pass the Principals of Teaching and Learning (PLT) exam required for Kentucky teaching licensure.

EDUC 478: Supervised Student Teaching Middle Grades, (F) (S) (12). Supervised student teaching in the middle school for a period of 70 instructional days and 525 clinical hours. Students will work closely with two classroom teachers, a college supervisor, and the school principal in a team approach to apply knowledge and skills acquired in their coursework. Prerequisite: passing score on specific PRAXIS II Content Area and PLT Tests. See requirements for Admission to Student Teaching. Additional fees will apply. Corequisite: EDUC 488.

EDUC 488: Professional Interaction in the School, (F) (S) (3). This is a senior level course designed to help students understand the predicaments of teaching. Understanding the dynamics of interaction

between students and teachers is a particular focus. Professional relationships between teachers, parents, and administrators are also investigated. Classroom management and discipline and how teachers establish positive control of the learning environment are particular concerns. Prerequisite: admission to Student Teaching. Corequisite: EDUC 458, EDUC 478, or EDUC 498.

EDUC 498: Supervised Student Teaching Secondary School, (F) (S) (12). Supervised student teaching in the secondary school for a period of 70 instructional days and 525 clinical hours. Students will work closely with a classroom teacher, a college supervisor, and the school principal in a team approach to apply knowledge and skills acquired in their class work. Prerequisite: passing score on specific PRAXIS II Content Area and PLT Tests. See Requirements for Admission to Student Teaching. Additional fees will apply. Corequisite: EDUC 488.

All English courses numbered 200 and above require successful completion of ENGL 111 (First Year Composition I) and

*ENGL 112 (First Year Composition II) is a general prerequisite for any ENGL course numbered 300 and above is successful completion of any 200-level ENGL course. Majors should complete the foundational course, ENGL 310 (Major Author), as early as possible and should take the Capstone Project course, ENGL 472, in their senior year. Courses with changed emphases may be repeated for further credit. With the exception of ENGL 472, all English courses numbered 300 and above are available for elective credit and upon request, for graduate credit.*

ENGL 100: Introduction Freshman Composition & Literature, (F) (S) (3). This course develops skills of writing (including use of documentation), speaking, and critical reading. Tutorials and writing groups are a required component of the course. Students are placed into this course based upon ACT scores in English. Fee: \$35 Writing Center fee required.

ENGL 111: First Year Composition I, (F) (S) (3). Writing papers for a variety of rhetorical situations, as an introduction to academic discourse and reading of short prose pieces, as models and for discussion. Introduces scholarly modes of documentation and academic integrity. Must precede ENGL 112. Fee: \$35 Writing Center fee required.

ENGL 112: First Year Composition II, (F) (S) (3). Continuing the work of ENGL 111, students review mechanics and strengthen rhetorical skills through critical academic writing, culminating in a term project including scholarly research and documentation. Prerequisite: ENGL 111. Fee: \$35 Writing Center fee required.

ENGL 211: Western Literature in Translation, (F) (3). A survey of non-Anglophone Western literary works and forms from antiquity to the present. May focus on a form, region, or theme.

ENGL 212: Non-Western Literature in Translation, (S) (3). A survey of non-Western literary works and forms from antiquity to the present. May focus on a form, region, or theme.

ENGL 221: Survey of English Literature I, (F) (3). A survey of literature written in English, in Great Britain. Includes the Middle Ages, Renaissance, Restoration, and the Eighteenth Century.

ENGL 222: Survey of English Literature II, (S) (3). A survey of literature written in English in Great Britain. Includes the Romantic, Victorian, Modern, and Contemporary periods.

ENGL 231: Survey of American Literature I, (F) (3). A survey of literature from the Colonial period to the American Civil War.

ENGL 232: Survey of American Literature II, (S) (3). A survey of literature from the Civil War to the present.

ENGL 235: Southern Literature, (F) (3). A survey of the fiction, poetry, and drama of the American South, including such canonical figures as Poe, Faulkner, Toomer, Warren, O'Connor, Dickey, Welty, Williams, McCarthy, and others, as well as emerging or disputed writers. The course may be arranged by period, theme, or genre. Prerequisites: ENGL 111 and ENGL 112, or equivalent courses. Even years only.

ENGL 252: Appalachian Literature, (S) (3). An interdisciplinary study of the literature(s) of Appalachia, focusing on the region's cultural richness and diversity, exploring such texts as novels, poems, films, and recorded song from the perspectives of literary critics and cultural historians. Odd years only.

ENGL 262: African American Literature, (S) (3). An introduction to the oral and written literature of African Americans, from the colonial period through the 20th century. Multiple genres such as the novel, essay, short story, autobiography/slave narrative, poetry, drama, speech/sermon, and songs are studied from the perspectives of literary critic and cultural historian. Even years only.

ENGL 310: Major Author, (F) (3). This course closely examines a single canonical author or a small number of closely connected canonical authors through a variety of critical methods, with the aim of understanding texts in their historical, social, and cultural contexts. English majors should take this course in the fall of their junior year.

ENGL 315: Creative Writing, (S) (F) (3). This course introduces students to the craft of writing in a specified genre: fiction, poetry, or literary nonfiction. Genres rotate from semester to semester. May be repeated twice for credit.

ENGL 320: Medieval English Literature, (S) (3). A study of major texts of the Middle Ages in England, with special emphasis on generic diversity and development. Even years only.

ENGL 321: Early Modern Literature, (F) (3). A study of major texts in the Early Modern Period, including Spenser, Marlowe, Jonson, the Metaphysical Poets, and early Milton, with special emphasis on generic diversity and development. Even years only.

ENGL 322: Restoration/Eighteenth Century Literature, (S) (3). A study of major poetry and prose of 1660-1798, covering Milton, Dryden, Behn, Pope, Swift, Johnson, and their contemporaries. Odd years only.

ENGL 323: Nineteenth Century Literature, (F) (3). Major poetry, fiction, drama, and non-fiction prose of the nineteenth century. Even years only.

ENGL 327: Theories of Composition & Rhetoric, (F) (3). A practical and historical study of theories of rhetoric and composition, emphasizing their application to writing and the teaching of writing. Even years only.

ENGL 334: Small Group Writing Instruction, (F) (1). The theory and practice of writing, workshops and tutorials.

ENGL 340: Writing in the Disciplines, (S) (3). This course develops students' skills in the preparation of writing proposals, case studies, literature reviews, and other common genres in scientific and technical fields. Even years only.

ENGL 351: The English Novel I, (F) (3). This course offers a study of the early novel in England from 1700-1850. In addition to examining representative works from this period, the class will also trace the historical and cultural contexts which contributed to the emergence and development of this new literary form.

ENGL 352: The English Novel II, (S) (3). The English novel from Dickens through the present. Even years only.

ENGL 371: Texts & Themes, (On Demand) (1). Study of texts (fiction, non-fiction, and/or film) related to an announced topic: for example, Sports and Film, The Hero's Journey, Science Fiction and Society, Tolkien on Page and Screen, etc. May be taken up to three times for elective credit. Prerequisite: completion of ENGL 111 and ENGL 112.

ENGL 410: Writing and the Environment, (S) (3). We examine the growing field of environmental communication, including the conversations and controversies surrounding ecological issues ranging from Appalachia to distant parts of the planet. Odd years only.

ENGL 415: History of Literary Criticism & Theory, (On Demand) (3). This course provides an overview of various theories of literary interpretation. Approaches will address traditional forms of criticism (Aristotle, Sidney, Coleridge, etc.), as well as new criticism, deconstructionism, Marxist theory, women and gender theory, postcolonial theory, new historicism, and/or other approaches to literary interpretation. Prerequisites: ENGL 111, ENGL 112, and a 200-level literature course.

ENGL 421: History of the English Language, (F) (3). A study of the origins and development of the English language and its grammar from Anglo-Saxon times to the present. Odd years only.

ENGL 427: Directed Writing, (On Demand) (3). A tutorial in the production of public writing for an academic audience. Requires participation in an approved conference (undergraduate or academic) or other academic showcase; submission to an academic journal (undergraduate or professional); or submission to a literary magazine.

ENGL 431: Contemporary American Literature Fiction, (S) (3). A critical and historical study of novels and short fiction, from the nineteen-fifties to the present. Even years only.

ENGL 451: Modern Poetry, (S) (3). A critical and historical study of poetry in English from Whitman and Dickinson, to the present. Even years only.

ENGL 452: American Novel, (S) (3). A critical and historical study of American fiction from its beginnings to the present. Odd years only.

ENGL 471: Shakespeare, (F) (3). A critical approach to selected histories, comedies, and tragedies, focusing on historical context, the plays as cultural phenomena, and human, literary and dramatic qualities. Odd years only.

ENGL 472: Capstone Project, (S) (3). Intensive study of a topic arising out of study in the major. Includes senior research project. Prerequisite: senior status.

ENGL 473: Popular Literature, (On Demand) (3). An examination of a popular genre (mystery, science fiction, fantasy, horror, romance, others) from a historical, critical, or thematic perspective.

ENGL 475: Film, (On Demand) (3). An examination of narrative film from a historical, critical, or thematic perspective. Odd years only.

ENGL 485: Internship: Editing & Publishing, (S) (1). Under the supervision of the editor of an MLA-indexed academic journal, students observe and participate in every stage of publication: calling for papers; preliminary editing; securing and directing peer reviewers; steering revise-and-resubmit; line editing; and production. Students will also practice publication on the journal's blog. Successful completion of the course includes recognition as an editorial assistant in the masthead of the journal. May be retaken once for credit.

ENGL 495: Independent Study, (On Demand) (3). Intensive supervised work in some phase of literature or composition not otherwise covered in the curriculum. Prerequisites: Twenty-four (24) credit hours in English (ENGL) courses and permission from the School Dean. May be repeated for credit.

ENVS 101: People and the Environment, (On Demand) (3). A multi-disciplinary course in which basic ecological principles are developed and used to show human impact on natural ecosystems. Topics include endangered species, impact of population growth, land use and management problems, and food production and demands.

ENVS 110: Physical Systems of the Environment, (On Demand) (3). A study of the physical environment as it relates to human activities. The emphasis is on the distribution and interaction of environmental variables (weather, land forms, vegetation, soils, and climate).

EXSC 485: Exercise Science Internship, (F) (S) (Sum) (3-6). Supervised experience in an exercise science related setting. Students will have the opportunity to put into practice the knowledge and practice skills they have learned in their course work. Students should take this course in their senior year of study. Prerequisite: permission from instructor.

GEOG 241: Geography of Appalachia, (F) (3). This course will provide a systematic analysis of the physical, demographic, economic, and cultural characteristics of the Appalachian landscape, with emphasis on the great diversity within the region.

GNSC 105: Physical Science, (F) (S) (3). An introduction to the physical sciences: physics, chemistry, and earth sciences. Completion of the Core math course is strongly advised before enrollment.

GNSC 106: Physical Science Lab, (F) (S) (1). Optional laboratory to accompany GNSC 105.

GNSC 385: Internship: General Science, (On Demand) (1 to 3). Supervised field experience at an approved health care site. Students will gain experience about the operation of such facilities. A daily journal is required, as well as an end-of-term reflection paper on how the intern experience has influenced the student's career plans. The course will be taken on a credit/fail basis only.

GNSC 471: Science Seminar, (S) (1). A lecture/discussion of selected topics of interest, led by faculty members of the Department of Natural Sciences, invited speakers, and student participants. May be repeated once; a student can earn a maximum of two (2) credit hours through this course. All Natural Sciences majors must take this course at least once. Prerequisite: Natural Sciences major with junior or senior standing, or permission from instructor.

GNST 103: College Reading Strategies, (F) (S) (3). Focuses on the development of practical, critical, and analytical strategies for reading college-level materials. This course considers tone, purpose, and rhetorical structures. Placement is based on ACT scores and/or college assessments. Students may also elect to take the course. Offered every semester.

#### General Studies

GNST 105: Igniting Higher Order Thinking, (F) (S) (3). This course is designed to support the Quality Enhancement Plan student learning goals of critical, creative and metacognitive thinking. Students will study and practice using the elements of critical and logical thinking, the elements of creative thinking, and the tools necessary to evaluate critical thought processes. Students will also examine critical and creative thinking as it is implemented in various academic disciplines and career contexts.

GREK 111: Elementary Greek I, (F) (S) (3). A study of Classical and Koine Greek to prepare students for advanced study of Greek philosophy, the New Testament, and early Christian theology.

GREK 112: Elementary Greek II, (F) (S) (3). A study of Classical and Koine Greek to prepare students for advanced study of Greek philosophy, the New Testament, and early Christian theology.

GREK 113: Morphology & Syntax in Classical Languages I, (F) (S) (1). A study of basic principles of word formation and grammar in Greek and Latin. Each course may be taken concurrently with GREK 111 or GREK 112, or separately.

GREK 114: Morphology & Syntax in Classical Languages II, (F) (S) (1). A study of basic principles of word formation and grammar in Greek and Latin. Each course may be taken concurrently with GREK 111 or GREK 112, or separately.

GREK 211: Intermediate Greek—Grammar, (F) (3). A continuation of Greek 112 designed to review grammar through translations of primary texts. Prerequisite: GREK 112.

GREK 213: Intermediate Greek Readings, (F) (S) (1). A reading and translation course which may be taken with GREK 211 or separately.

GREK 300: Greek Readings, (S) (3). Translation of classical and Hellenistic Greek texts. Prerequisite: GREK 211.

HBRW 111: Elementary Hebrew I, (On Demand) (3). A study of biblical Hebrew to prepare students for advanced study of the Hebrew Bible.

HIST 110: Roots of Civilization, (F) (S) (3). A study of civilizations of the ancient world designed to introduce students to the study of history and allied disciplines such as religious studies and art history. The course includes a brief survey of the rise of the first cities in river valleys of the ancient world and focuses on the development of one or two major civilizations of the ancient world; for example, those of Greece, Rome, India, or China.

HIST 113: Religion and Empire, (F) (S) (3). This course examines the role of religion in the maintenance of Roman, Christian, and Islamic empires, with particular attention to religiously inspired art, architecture, and literature. The course begins with an examination of the rise of the Roman Empire and proceeds to examine the Christian transformation of that empire from Constantine through the Middle Ages. The primary focus is “Christendom” in Western Europe, with limited attention to developments in the Byzantine Empire. The rise and spread of Islam is also examined, with special attention given to the interaction between Christian and Muslim civilization. The course ends with examination of forces that challenge the medieval political-religious establishment in Western Europe in the late Middle Ages and Renaissance. Prerequisite: HIST 110 or permission from instructor. May cross-list with HUMN 112.

HIST 211: Topics in Global History, (F) (S) (3). A study of such topics in global history as the building and maintenance of empire, colonization and de-colonization, impact of industrialization and secularization on societies around the world, nationalisms and revolutionary movements, and religious and ideological antagonisms (e.g., Islam and the West). The reading and interpretation of primary sources of historical information receives special attention. Course may be taken for credit more than once provided that the topic of the course is different each time it is taken.

HIST 212: Historical Research and Methods, (S) (3). Gathering and criticism of data; bibliographies and aids; problems in historiography, composition analysis, and the final monograph. Regardless of the monograph topic chosen by the student, this course does not count toward either the United States or non-United States requirement within the major. This course must be taken in conjunction with another history course

HIST 213: Roots of Modernity: Revolution in Politics, Society and Thought, (F) (S) (3). This course begins with an examination of the Reformation, Catholic Counter-Reformation, and the religious wars in the late 16th and early 17th centuries. Attention then shifts to the Scientific Revolution and Enlightenment and their impact on society and culture, with particular attention to the rise of revolutionary ideologies and conflicts in England, France, and the Americas. Requirements include papers and oral presentations. Prerequisite: Sophomore status or permission from instructor.

HIST 221: History and Culture of Spain and Portugal, (F) (3). An introduction to the history and culture of Spain and Portugal, which serves as the foundation course for upper-level courses dealing with the history and culture of those regions and Latin America. Even years only.

HIST 223: History of Latin America, (F) (3). Course is an overview of the history of Latin America from the colonial period to the present day. Odd years only.

HIST 231: Topics Late Classic & Medieval History, (S) (3). The course examines the social, political, and cultural developments in Europe during the Middle Ages, with particular attention to interaction between Christian and Islamic civilizations. Possible topics for a course include the transmission and transformation of the Latin intellectual tradition from the late Roman Empire to the Renaissance, the classical intellectual tradition in the Islamic world, the development and spread of monasticism, feudal monarchy, and the papacy, the crusades, and commercial and cultural interaction between Europe and the Near East. The course is designed for students who have already had a survey course on the period. Prerequisite: HUMN 112, HIST 113, or permission from instructor. The course may cross-list with RLGN 331. Even years only.

HIST 235: Kentucky History, (F) (S) (Sum) (W) (3). This course examines the complex, contradictory, and ultimately vital history of Kentucky from its frontier beginnings to the present, and its role in

shaping larger American society. This course privileges the importance of the local in understanding the specific contexts that shape a given people. Students will explore the ways topics such as race, religion, geography, migration, gender, politics, violence, and power influenced Kentucky's development over time. Ultimately, this course deeply investigates what made Kentuckians, Kentuckians.

HIST 241: History of Britain to 1485, (S) (3). The course covers the history of Britain from the Roman period to the rise of the House of Tudor. The social and political impact of Roman, Anglo-Saxon, Viking, and Normand invasions are examined. Relations with continental Europe and developments in church-state relations as principal focal points. The course may cross-list with RLGN 251. Odd years only.

HIST 242: History of Britain 1485-1832, (F) (3). A study of British history from the Tudor Monarchy to the first half of the 19th century, with emphasis on political and institutional developments, social and cultural developments, and the rise of the British empire. Prerequisite: a previous 200-level course in history or permission from instructor. Even years only.

HIST 301: Readings in U.S. History, (F) (1-3). A course allowing students (History, History/Political Science Majors and History Minors) to explore subjects in history not covered in the regular courses. Prerequisite: HIST 211 and permission from instructor.

HIST 302: Readings in Non-U.S. History, (S) (1-3). A course allowing students (History, History/Political Science Majors and History Minors) to explore subjects in history not covered in the regular courses. Prerequisite: HIST 211 and permission from instructor.

HIST 311: American History to 1848, (S) (3). An examination of colonial society and culture, the Revolution, the Constitution, the early national period, Jacksonian Democracy, and historiography. Prerequisite: a previous 200-level course in history or permission from instructor.

HIST 312: American History from 1848 to 1919, (F) (3). A consideration of the Civil War, Reconstruction, industrialization, Populism, Progressivism, World War I, and historiography. Prerequisite: a previous 200-level course in History or permission from instructor.

HIST 313: Twentieth Century America, (S) (3). Selected topics on the nation's history since 1919, including the 1920s, the Great Depression and New Deal, World War II, the Cold War, the Civil Rights Revolution, and political and social developments since 1945. Prerequisite: a previous 100-level course in History, Religion, Philosophy, or permission from instructor.

HIST 331: Late Classic & Medieval History Topics, (3). The course examines the social, political, and cultural developments in Europe during the Middle Ages, with particular attention to interaction between Christian and Islamic civilizations. Possible topics for a course include the transmission and transformation of the Latin intellectual tradition from the late Roman Empire to the Renaissance, the classical intellectual tradition in the Islamic world, the development and spread of monasticism, feudal monarchy and the papacy, the crusades, and commercial and cultural interaction between Europe and the Near East. The course is designed for students who have already had a survey course on the period. Prerequisite: HUMN 112/HIST 113 or permission from instructor. The course may be cross-listed with RLGN 331.

HIST 341: History of Britain to 1688, (F) (3). British history from the Roman occupation to the Glorious Revolution with emphasis on the development of the English people and state. Prerequisite: a previous 200-level course in History or permission from instructor. Odd years only.



HIST 342: History of Britain since 1688, (F) (3). A study of British history from the Glorious Revolution to the present with emphasis on political and institutional development, and the role of Britain in the world, including the rise and decline of the British empire. Prerequisite: a previous 200-level course in History or permission from instructor. Even years only.

HIST 408: American Presidency, (F) (3). Analysis of the institution of the presidency, its functions, formal and informal relationships, and its limitations within the American political system. Cross-lists with PLSC 408. Odd years only.

HIST 409: American Religion & Society, (3). This course examines the rich and vital religious landscape of the United States, and its contribution to shaping larger society. Students will explore religious life in America through the engagement of primary and secondary texts. By studying the expansion of religious life in the nation, moreover, students will develop a deeper understanding of how particular ideas underpinning American society have continuously informed and reshaped religious expression. Specific attention will be given to the way religious ideas, organizations, and people have influenced laws, social movements, culture, and the physical landscape.

HIST 413: Twentieth Century America, (S) (3). Selected topics on the nation's history since 1919, including the 1920s, the Great Depression and New Deal, World War II, the Cold War, the Civil Rights Revolution, and political and social developments since 1945. Prerequisites: a previous 200-level course in history or permission from instructor.

HIST 431: American Revolutionary Era 1763-1789, (S) (3). A study of the causes, events, and consequences of the American Revolution from the end of the Seven Years War through the ratification of the Constitution. Historiographical controversies will be emphasized. Prerequisites: HIST 311 or permission from instructor. Odd years only.

HIST 433: History of Appalachia, (S) (3). A survey of the region from settlement to the present, with emphasis on the period since the Civil War. The course examines the diversity of historical development within the region, and the paradox of relative isolation along with integrating aspects of industrialization and modernization. Odd years only.

HIST 441: Civil War & Reconstruction 1848-1877, (F) (3). A study of the events, causes, and consequences of the American Civil War. Attention is paid to primary sources, and especially the analysis of conflicting scholarly interpretations. Prerequisite: History 312 or permission from instructor. Odd years only.

HIST 443: Modern Britain, (S) (3). A study of modern British history from the early 19th century to the era of New Labour. Emphasis will be given to the impact of the world wars, the decline of British power, the rise of the welfare state, and the role of Britain in Europe. Prerequisite: a previous 200-level course in History or permission from instructor. Even years only.

HIST 446: History of Russia, (On Demand) (3). Russian history since 1689. Survey of the political and social changes in Russia from the time of Peter the Great to the present, including an extensive review of the origins and development of the modern Soviet state. Prerequisite: a previous 200-level course in History or permission from instructor.

HIST 451: Topics in Early European History, (F) (3). A study of developments in European politics, society, and culture in the period of 1350 to 1650. Prerequisite: a previous 200-level course in history or

permission from instructor. Students may take the class for credit more than once as the topic changes. Odd years only. Cross-lists with RLGN 452.

HIST 452: Topics in Modern European History, (S) (3). A study of the political, social, and cultural history of Europe from the Congress of Vienna to the contemporary era of European integration. Possible topics are the process of modernization, nationalism, secularization, the world wars, and the course of European history since 1945. Students may take the class for credit more than once as the topic changes. Prerequisite: a previous 200-level course in History or permission from instructor.

HIST 461: Islamic Religion & Civilization, (S) (3). The political and religious history of the Middle East from the beginnings of Islam to the beginning of the modern era. Particular attention is given to interaction with Byzantine and medieval Christian civilizations. Prerequisite: a previous 200-level course in History or permission from instructor. Even years only. Cross-lists with RLGN 462.

HIST 474: Topics in Latin American History, (S) (3). An in-depth examination of topics and issues in the study of Latin American history. Prerequisite: HIST 223. Odd years only.

HIST 475: Special Topics: American History, (F) (3). Topics that might be covered include, but are not limited to such titles as Colonial America, the Early National Period, Industrial America in the Gilded Age, the Progressive Era and World War I, the Period between the World Wars, World War II, the United States since 1945, the Vietnam War, American Economic History, American Constitutional History, African-American History, and the American South. Prerequisite: a previous 200-level History course or permission from instructor. Even years only.

HIST 476: Special Topics in World History, (S) (3). An intense, analytic study of a major problem or topic in world history. May be repeated for credit as long as the topic is different. Prerequisite: a previous 200-level History course or permission from instructor. Even years only.

HIST 495: Independent Study: U. S. History, (F) (S) (Sum) (1-3). Independent study and/or research on approved topics. Prerequisite: permission from instructor.

HLSC 110: Medical Terminology, (3) (Online) This course covers medical terminology, symbols and abbreviations, and the application of this new language in the field of health care. While terms are covered as they relate to body structure and function, the main focus is on medical vocabulary and being able to construct terms using word parts such as roots, suffixes, and prefixes.

HMPF 435: Social Psychology of Sport & Human Performance, (F) (3). An in-depth look at the psychological, as well as some social concerns, of sport and human performance. Topics include motivation, psyching up, team cohesion, exercise adherence, mental imagery, visualization, and exercise and its ability to postpone the effects of aging. The objective of the course is to enable students to comprehend and apply available information to enhance their effectiveness as teachers and coaches.

HMPF 441: Exercise Assessment & Prescription, (S) (3). Students will learn the rationale behind, and the techniques required for various fitness and physiological tests performed in fitness and clinical settings, and the facets of safe and effective exercise programs for improving health and fitness. Prerequisites: Exercise Science majors must have PHED 410 or permission from instructor. Fee: \$25 consumable items fee required.

HMPF 485: Human Performance Internship, (F) (S) (Sum) (3). Supervised experience in fitness and wellness promotion in a related setting. Students will have the opportunity to put into practice the

knowledge and practical skills they have learned in their class work. Students should take this course in the final year of their studies.

HUMN 112: Religion and Empire, (F) (S) (3). As part of the Humanities sequence and the sequel to HIST 110, this course examines the role of religion in the maintenance of Roman, Christian, and Islamic empires, with particular attention to religiously inspired art, architecture, and literature. The course begins with an examination of the rise of the Roman Empire and proceeds to examine the Christian transformation of that empire from Constantine through the Middle Ages. The primary focus is “Christendom” in Western Europe, with limited attention to developments in the Byzantine Empire. The rise and spread of Islam are also examined, with special attention given to the interaction between Christian and Muslim civilization. The course ends with examination of forces that challenge the medieval political-religious establishment in Western Europe in the late Middle Ages and Renaissance. Prerequisite: HIST 110.

HUMN 151: Readings I, (F) (1). Focusing on primary texts in translation as well as on contemporary secondary texts, HUMN 151 enriches students’ awareness and understanding on the ideas and aesthetics that help shape the world. Corequisites: ENGL 101 and HIST 110, or permission from instructor.

HUMN 152: Readings II, (S) (1). Focusing on primary texts in English and in translation as well as on contemporary secondary texts, HUMN 152 enriches students’ awareness and understanding of the ideas and aesthetics that shaped the world from Ancient to Early Modern times. Prerequisites: ENGL 101, HIST 110, HUMN 151 or equivalent transfer credit. Corequisites: ENGL 102 and HUMN 112, or permission from instructor.

HUMN 211: Roots of Modernity: Revolutions in Literature, (F) (S) (3). As part of the Humanities sequence, this course examines Western Culture from the Enlightenment to the 20th Century. This course focuses on the development of literature and the major trends in art and music. This course includes student papers and presentations. Prerequisite: ENGL 102.

HUMN 213: Roots of Modernity: Revolutions in Politics, Society, and Thought, (F) (S) (3). This interdisciplinary course examines revolutionary developments in society and culture that mark the beginning of the modern world in Europe and the Americas. The course begins with examination of major developments in Europe in the 16th and early 17th century—Reformation and Counter-Reformation, the ensuing religious wars, and the rise of absolutism—and then focuses on political revolutions in Europe and the Americas in the 17th, 18th, and early 19th centuries. Attention is given to revolutionary and counter-revolutionary ideologies and their various cultural forms of expression. Possible related topics include: Scientific Revolution and Enlightenment, mass society and popular religion, secularization and civil religion, and nationalism. Requirements include papers and oral presentations. Prerequisites: ENGL 102 and HUMN 112. Corequisite: HUMN 211.

HUMN 214: The Modern World in Crisis, (F) (S) (3). As a final part of the Humanities sequence, this interdisciplinary course focuses on significant developments in Western society and culture in the 20th Century. Prerequisites: HUMN 211 and HUMN 213 or 27 hours of transfer credit in the humanities, including courses in composition, speech, modern history, modern literature, fine arts, and modern religion or philosophy.

HUMN 215: Philosophy & the Crisis of Modernity, (S) (3). As the final part of the Humanities sequence, this interdisciplinary course focuses on significant developments in Western society and culture in the 20th Century. Attention is given to developments in philosophy in the 20th century, including but not limited to pragmatism, philosophy of language, and existentialism. Prerequisites:

HUMN 211 and HUMN 213 or 27 hours of transfer credit in the humanities, including courses in composition, speech, modern history, modern literature, fine arts, and modern religion or philosophy. This course may cross-list with PHIL 215.

HUMN 251: Readings 3, (F) (1). Focusing on primary texts in English and in translation as well as on contemporary secondary texts, HUMN 251 enriches students' awareness and understanding of the ideas and aesthetics that shaped the world from the Enlightenment to the beginnings of modernity.

Prerequisites: ENGL 102, HUMN 112, or equivalent transfer credit. Corequisites: HUMN 211 and HUMN 213, or permission from instructor.

HUMN 252: Readings 4, (S) (1). Focusing on primary texts in English and in translation as well as on contemporary secondary texts, HUMN 252 focuses on an event, author, or idea introduced in a designated section of HUMN 214. Prerequisites: HUMN 211, HUMN 213, or equivalent transfer credit. Corequisite: HUMN 214 or permission from instructor.

HUMN 351: Readings 5, (F) (1). A seminar in recent fiction and nonfiction of significant merit. Prerequisite: HUMN 252 or permission from instructor.

HUMN 352: Readings 6, (S) (1). A seminar in recent fiction and nonfiction of significant merit. Corequisite: junior standing or permission from instructor.

HUMN 477: Philosophy of Life, (S) (3). The senior Capstone seminar for History and Religious Studies majors (but any student may take the course).  
Interdisciplinary Social Sciences

INSS 101: Introduction to Social Sciences, (F) (S) (3). This course is designed to familiarize students with the questions asked by disciplines of the Social Sciences. Thematic in approach, this course will examine common questions as well as the requisite theories and approaches employed by sociologists, anthropologists, political scientists, cultural geographers, psychologists, Appalachian Studies scholars, criminal justice specialists, and economists.

INSS 103: Cultural Geography, (S) (3). Emphasis on the concepts of place, region, spatial interaction, landscape interpretation, and landscape evolution. Deals with the graphic media of geography - maps, graphs, and scale models. Case studies illustrate geographic principles to familiarize students with various parts of the world. For future teachers as well as students of the natural and social sciences.

LAWS 101: Introduction to Law Enforcement, (F) (3). The modern study of law enforcement encompasses a wide range of topics requiring an understanding of both theoretical concepts and applied practices. This course is intended to utilize both perspectives to provide students with a broad and well-structured foundation for further studies in law enforcement. Topics include (but are not necessarily limited to) law enforcement history; an overview of local, state, and federal agencies; the functions of modern law enforcement organizations; recent trends in criminal behaviors; homeland security; and policing ethics.

LAWS 200: Community Policing, (F) (3). This course provides students with a broad perspective on the evolving relationship between policing agencies and citizens. This relationship forms a tentative framework for the resolution of issues arising between the two. As both a philosophy and an organizational strategy, community policing expands the scope of law enforcement activity to encompass partnerships with the community which facilitate mutual support and participation of all concerned parties. Coverage includes consideration of and strategies to address the current climate of

suspicion associated with racial profiling and threats posed by terrorism, both of which have eroded the community trust which is indispensable to effective policing.

**LAWS 205: Patrol Operations, (S) (3).** This course introduces students to a range of topics relating to police operations. Coverage includes basic concepts of patrolling, patrol techniques, police communications, vehicle operations, controlled substances, field interviews, arrests, officer safety, racial profiling, police force staffing and deployment, and crowd and riot control. A segment is also devoted to the future of law enforcement.

**LAWS 206: Topics in Law Enforcement, (3).** Provides in-depth coverage of topics not included in the regular Law Enforcement Studies curriculum.

**LAWS 210: Traffic Enforcement, (S) (3).** This course acquaints students with basic elements in traffic enforcement practice. Topics include the history of traffic laws and future trends, impaired driving, tolerances and officer discretion, low and high risk stop tactics, one-officer and multi-unit response protocols, approach strategies, issues and tactics in pursuit driving, traffic point control, and hit and run and crash related investigations.

**LAWS 220: Substantive Law for Enforcement Professionals, (Online).** This course provides students with a historical understanding of criminal law, an overview of general legal principles including possible defense to a criminal charge, and an awareness of the fundamental nature of law.

**LAWS 230: Constitutional Procedure for Enforcement Professionals, (Online).** This course focuses on the constitutional rights of criminal defendants as interpreted by the U.S. Supreme Court. Students discuss Supreme Court decisions and identify their significance for the justice system.

**LAWS 240: Homeland Security, (Online).** This course addresses the functions of homeland security as they relate to government, industry, and the community. The key functions of threat prevention, crisis response, and operations recovery are addressed from a variety of perspectives, given that homeland security is a responsibility shared by government agencies, the private sector, and individuals, and encompasses a broad spectrum of professional career positions throughout our society. This course provides an overview of the elements involved in the homeland security function, as well as the challenges critical infrastructure managers in government and industry can and will face maintaining mission operations and staff accountability in the midst of multiple overlapping roles and responsibilities in our rapidly changing world.

**LAWS 300: The Criminal Courts, (Online).** This course provides students with an overview of the criminal justice system and its processes. It examines the courtroom work group, the trial process, and challenges to the process. It also provides an overview of the juvenile court system.

**LAWS 301: The Law of Evidence, (F) (3).** This course provides an introduction to the law of evidence. Coverage includes trial procedures, the exclusionary rule, relevance, classification of evidence, burdens of production and proof, standards of proof, demonstrative evidence, presumptions, the vagaries of eyewitnesses, privileges, admissibility, authentication, hearsay, impeachment, and expert testimony.

**LAWS 302: Methods & Problems of Investigation, (3).** The course introduces the student to the fundamentals of police science investigation. An overview of the current problems that law enforcement investigators face will be addressed. Also, a comparative analysis of different agencies will be outlined. Cross-listed with CRJU 302.

**LAWS 303: Criminal Investigation for Enforcement Professionals, (Online).** This course teaches students the fundamentals of criminal investigation by examining the processes involved in identifying and arresting criminal suspects, identifying the types of crimes and offenses, and in preparing for court.

**LAWS 305: Juvenile Justice, (Online).** This course gives students an overview of American juvenile justice, in terms of both system and practice. It examines the juvenile offender, causes of juvenile crime, the juvenile court system, and juveniles in the adult court system. This course also looks at institutionalization, rehabilitation, the treatment of juveniles, and the future of juvenile justice in America.

**LAWS 307: Criminal Justice Administration, (3).** A study of the administrative principles and management practices of criminal justice organizations including police agencies, courts, and correctional institutions. Cross-listed with PLSC 307.

**LAWS 310: Corrections, (Online).** This course provides an overview of the field of corrections. It reviews prisons and jails, correctional policies, agencies, prison life, and challenges facing corrections.

**LAWS 320: Probation & Parole, (Online).** This course focuses on adult and juvenile probation, parole, and related institutions.

**LAWS 325: Interviewing & Interrogation, (Online).** This course explores policing techniques and tactics used to combat and prevent crime. Emphasis is placed on the knowledge and working skills involved in the art of interviewing and interrogating witnesses and suspects, and the relevant legal parameters that must be followed during field procedures.

**LAWS 381: Special Topics in Law Enforcement, (F) (On Demand) (3).** A study of selected topics of interest within the discipline of law enforcement. May be repeated for credit as the topic varies. Prerequisite: vary depending on course topic or permission from instructor.

**LAWS 400: Criminal Justice Ethics, (Online).** This course looks at the ethical dilemmas and professional problems faced by criminal justice personnel. Students review various ethical perspectives and discuss the practical applicability of ethical ideals.

**LAWS 405: Victimology, (Online).** This course examines the causes of victimization and looks at theories associated with violent victimization. It analyzes the offender-victim relationship and presents ideas on preventing violence and responding to victimization.

**LAWS 410: Criminology, (Online).** This course explores policing techniques and tactics used to combat and prevent crime. Emphasis is placed on the knowledge and working skills involved in the art of interviewing and interrogating witnesses and suspects, and the relevant legal parameters that must be followed during field procedures.

**LAWS 481: Special Topics: Law Enforcement, (Online).** A topics course that explores a wide range of possible topics like, but not limited to, comparative police systems, women in policing, the issue of excessive force, and many more.

**MATH 099: Transitional Math, (F) (S) (3 Institutional).** The purpose of this course is to enhance basic mathematical skills and to prepare students for subsequent mathematics courses. This course is required for those who do not qualify for enrollment in MATH 110, MATH 131, or MATH 133. The topics of the course will include, but are not limited to, fractions, decimals, and percent; operations with real numbers including hierarchy of operations; exponents, roots, and radicals; polynomial arithmetic with

emphasis on factoring; solving linear equations and linear inequalities; formula manipulation; and word problems involving any of these topics. The three (3) hours credit for this transitional course counts for fulltime status but not toward graduation requirements.

**MATH 110: Topics in Contemporary Mathematics, (F) (S) (3).** Selected topics from consumer mathematics, set theory, counting methods, probability, statistics, systems of linear equations, graphs and solutions of linear and quadratic equations using graphical methods. Modeling and problem-solving techniques will be illustrated to give students an understanding of the nature and applications of mathematics. Designed as a terminal course for the non-math or science major.

**MATH 131: College Algebra, (F) (S) (Sum) (3).** This course contains topics selected from the following: applications of linear and quadratic equations; solving inequalities including quadratic inequalities; graphing equations; graphs of functions; combining functions and finding inverse functions; exponential and logarithmic functions; polynomial functions; and systems of equations.

**MATH 133: Trigonometry and Analytic Geometry, (F) (3).** Right triangle ratios, trigonometric functions, graphing trigonometric functions, identities, inverse trigonometric functions, laws of Sines and Cosines, polar coordinates and complex numbers, and analytic geometry.

**MATH 230: Elementary Probability & Statistics, (3).** Descriptive statistics, probability, random variables, variance and standard deviation, various probability distributions, estimation and hypothesis testing, chi-square distribution, t-tests, regression, and correlation. Goals: (1) to understand the basic concepts used in probability and statistics; (2) to equip students for applying the concepts in appropriate real-life situations; (3) to be able to analyze data presented in graphical and numerical forms; and (4) to enable students to solve typical problems in statistical inference and hypothesis.

**MATH 241: Differential Calculus & Analytic Geometry, (F) (S) (4).** Review of algebra, limits, the derivative, differentiation of algebraic and trigonometric functions, applications of the derivative, extrema, and the antiderivative. Prerequisite: MATH 134 or permission from instructor.

**MATH 242: Intermediate Calculus & Analytic Geometry, (F) (S) (4).** Course contains the integral, applications of the integral, logarithmic and exponential functions, trigonometric functions, hyperbolic functions, techniques of integration, L'Hospital's Rule and indeterminate forms, and improper integrals. Prerequisite: MATH 241.

**MATH 243: Multivariate Calculus & Analytic Geometry, (S) (4).** Topics selected from polar coordinates, vectors, solid analytic geometry, partial differentiation, multiple integration, infinite series, and differential equations. Prerequisite: MATH 242.

**MATH 301: Principles of Geometry, (F) (3).** Mathematical Proof: conjunctions, disjunction, implications, and truth tables. Proofs using triangles, polygons, and circles; transformations, area, and space geometry. Prerequisites: MATH 131, MATH 133, or MATH 204.

**MATH 321: Discrete Mathematics, (F) (3).** Logic, methods of proof, sets, relations, functions, equivalences, combinatorics, induction, recursion, and elementary number theory. Prerequisite: MATH 241 or permission from instructor. Prerequisite to all MATH courses listed below.

**MATH 331: Introduction to Linear Algebra, (F) (3).** Vector algebra in Euclidean spaces, lines and planes in space, matrices and linear equations, and abstract vector spaces. Prerequisite: MATH 131 or permission from instructor. Odd years only.

MATH 332: Linear Algebra, (S) (3). Vector spaces, subspaces, linear independence, linear transformations, determinants, inner product spaces, orthogonality, and unitary transformations. Prerequisite: MATH 331. Odd years only.

MATH 333: Modern Algebra, (S) (3). An introduction to abstract algebra including groups, subgroups, quotient groups, isomorphism theorems, rings, and ideals. Prerequisite: MATH 241 or permission from instructor.

MATH 341: Differential Equations I, (F) (3). Differential equations of first order including basic theory, separation of variables, homogeneous systems, exactness, change of variables, and modeling. Prerequisites: MATH 242 and MATH 321.

MATH 342: Differential Equations II, (On Demand) (S) (3). Differential equations of first order and higher degree; differential operators and linear differential equations; reduction of order; and applications. Prerequisite: MATH 341.

MATH 372: Probability & Math Statistics, (F) (3). Theoretical probability using point set approach, probability as a frequency ratio; probability for finite sample spaces; conditional probability; joint and continuous distributions, binomial distribution; Baye's theorem; statistical applications of probability; theory of sampling and variance. Prerequisite or Corequisite: MATH 242.

MATH 402: Functions of a Complex Variable, (On Demand) (3). Complex numbers, analytic functions, and elementary functions of a complex variable. Cauchy's formula, Liouville's theorem, Laurent's series, residues, contour integration, conformal mapping, and physical applications. Prerequisite: MATH 243.

MATH 403: Introduction to Analysis, (F) (3). Sets and functions, topological ideas, LUB property, real sequences, continuity, mean value theorems, integration, definite integrals, Taylor's theorems, improper integrals, convergence of infinite series, power series, and improper integrals with parameter. Prerequisite: MATH 243. Odd years only.

MATH 433: Introduction to Abstract Algebra, (S) (3). An introduction to abstract algebra selecting topics from rings, ideals, quotient rings, isomorphic theorems, groups, and subgroups. Prerequisite: MATH 321. Even years only.

MGMT 352: Principles of Management, (F) (S) (3). This course introduces management and leadership as a functional area of business, including the development of organizational plans, policies and procedures, and provides exposure to basic theoretical developments in management and leadership thought. Research and theoretical analysis associated with management activities of an organization in the global and ethical environments will be studied. Management and leadership analysis will be presented in written and oral communication media. Prerequisite: BUAD 151 or permission from instructor.

MGMT 372: Human Resource Management, (F) (3). Using a system-process model, this course discusses the various subsystems (recruitment, selection, compensation, task specification, etc.) which fall under the responsibility of the HRM function. The subsystems are designed to provide for the efficient and effective utilization of human resources in business concerns. Prerequisite: MGMT 352.



MGMT 374: Operations Management, (S) (3). This course utilizes the systems approach to study quality, process, capacity, inventory, and workforce to analyze and solve both production and service enterprise problems. Topics include product management and control, process flow analysis, environment layout, forecasting, materials requirements planning, and performance improvement. Prerequisite: MGMT 352.

MGMT 400: Organizational Behavior & Team Dynamics, (F) (3). This course responds to the increasing need for cooperative skills in projects, concurrent design and engineering, interdepartmental committees, quality circles, self-managed work teams, and relationship selling. Areas to be covered include small group dynamics; team building; cohesiveness; trust; power; role constraints; facilitative communication; and conflict resolution. Teams will perform in simulated work environments and analyze cases. Prerequisite: MGMT 352.

MKTG 321: Principles of Marketing, (F) (S) (3). This course introduces marketing as a functional area of business. It discusses the movement of goods and services from producer to consumer while examining the elements of the marketing mix (product, price, place, and promotion). The global, ethical, and legal issues found in the marketing environment will also be studied. Prerequisite: BUAD 151.

MKTG 322: Consumer Behavior, (S) (3). A study of the factors and principles that govern behavior and decision-making patterns in the consumer marketplace. Students will study behavior that consumers display in searching for, purchasing, using, evaluating, and disposing of products, services and ideas. Prerequisite: MKTG 321. Even years only.

MKTG 370: Advertising, (S) (3). This course provides an overview of the social, economic, and marketing environment in which advertising functions. This course will provide an in-depth coverage of advertising activities as they relate to consumer-driven mass media marketing activities. The course will focus on advertising planning and management, as well as media strategies available to organizations. Prerequisite: MKTG 321 or permission from instructor.

MKTG 372: Public Relations, (F) (3). This course provides a broad understanding of the various elements of an integrated marketing communications program, with a concentration on the role of public relations. Prerequisite: MKTG 321 or permission from instructor.

MKTG 374: Multinational Marketing Strategies, (F) (3). This course provides students with an understanding of international and multinational marketing strategies. In the course, students will discuss the movement of goods and services from producer to consumer in today's global marketplace, while examining the elements of the marketing mix (product, price, place, and promotion). The global, ethical, and legal issues found in the international marketing environment will also be studied. Prerequisites: MKTG 321, BUAD 151. Odd years only.

MKTG 378: Sales Management, (F) (3). This course is designed to familiarize students with the principles, concepts, and terminology of personal selling, as well as planning and implementation of personal selling activities. Students will learn the importance of understanding the product, the art of persuasion, how to develop a sales presentation, and how to overcome objections and close a sale. Students will also focus on management of the sales force from recruiting and training to compensation issues. Prerequisite: MKTG 321.

MKTG 400: Marketing Management, (S) (3). This is the Capstone course for the marketing major. It examines the marketing management process and the role it plays as a bridge between buyers and sellers. The role of marketing managers as they develop, price, distribute, and promote goods and

services is discussed. The use of marketing to solve business problems and achieve strategic goals is emphasized. Prerequisites: MKTG 321, MGMT 352.

MKTG 421: Business Logistics, (F) (3). A study of the broad field of logistics. A major emphasis will be the nature of distribution and handling of materials in domestic and international markets. A systems approach to transportation, warehousing, material handling, packaging, customer service, and procurement will be studied, as it impacts the basic functions of business. Prerequisite: MKTG 321.

MKTG 450: Brand Management, (F) (3). Branding is a fundamental element of competitive marketing strategy. This course addresses the importance of branding and provides strategies and theories for building, leveraging, and defending strong brands. Other topics include the current opportunities and challenges brand managers face.

MKTG 481: Special Topics in Marketing, (S) (3). Investigation of selected topics of importance to the marketing of goods, services, and ideas. Students will study rapidly changing areas of marketing which are not part of the regular curriculum. Prerequisites: MKTG 321 or permission from instructor.

MKTG 485: Marketing Internship, (1-6). Supervised practical field experience at approved business site is combined with an academic component to strengthen the student's theoretical background. To be considered for a placement, the student has attained junior or senior standing with 15 hours of completed Union College Department of Business courses, a Department of Business GPA of 3.0, permission from the Marketing instructor, and approval from School Dean. Students work 40 hours for each hour of credit and may earn up to a maximum of six (6) credit hours for successful performance. Course will be taken on a credit/fail basis only.

Online and Graduate Studies

MUSC 101: Applied Music, (F) (S) (1). Applied lesson for music majors and minors. Taken as an elective requires permission from instructor.

MUSC 102: Applied Music, (F) (S) (1). Applied lesson for music majors and minors. Taken as an elective requires permission from instructor. Prerequisite: MUSC 101.

MUSC 121: Introduction to Music, (F) (S) (3). A historical approach to music appreciation focusing on period and style. Extensive listening to music literature.

MUSC 152: Union College Singers, (F) (S) (0-1). A concert choir performing a varied repertory. No audition required. May be repeated for credit.

MUSC 159: Union Harmony, (F) (S) (0-1). A select vocal ensemble composed of a small number of singers performing varied repertory. Open by audition. May be repeated for credit.

MUSC 160 Bella Union: An ensemble dedicated to singing literature arranged for women's voices with classical guitar accompaniment.

MUSC 167: Bulldog Band, (F) (0-1). The Union College Bulldog Band performs at home football games, most home basketball games, and other community events. No audition necessary, although a meeting with the band instructor to assess skill level is encouraged. May be repeated for credit.

MUSC 168: Concert Band, (S) (0-1). Concert band performing a varied repertory. Selected music will be based on instrumentation. No audition necessary, although a meeting with the band instructor to assess skill level is encouraged. May be repeated for credit.

MUSC 201: Applied Music, (F) (S) (1). Applied lesson for music majors and minors. Taken as an elective requires permission from instructor. Prerequisite: MUSC 102.

MUSC 202: Applied Music, (F) (S) (1). Applied lesson for music majors and minors. Taken as an elective requires permission from instructor. Prerequisite: MUSC 201.

MUSC 265: Theory/Musicianship I, (F) (3). A study of the elements of music theory. Beginning sight reading (pitch and rhythm) and an introduction to conducting (basic patterns) and the piano (melody). Even years only.

MUSC 266: Theory/Musicianship II, (S) (3). A continuation of MUSC 265 to include a more in-depth study of the elements of music theory. Intermediate sight reading (pitch and rhythm) and continued study of conducting (patterns and expressive body language) and the piano (melody and harmony). Prerequisite: MUSC 265. Even years only.

MUSC 301: Applied Music, (F) (S) (1). Applied lesson for music majors and minors. Taken as an elective requires permission from instructor. Prerequisite: MUSC 202.

MUSC 302: Applied Music, (F) (S) (1). Applied lesson for music majors and minors. Taken as an elective requires permission from instructor. Prerequisite: MUSC 301.

MUSC 331: Choral Literature/Conducting, (On Demand) (3). A study of conducting patterns/gestures, rehearsal techniques, and score analysis. Prerequisite: MUSC 265 and MUSC 266, or permission from instructor.

MUSC 345: Theory/Musicianship III, (F) (3). This course is a continuation of MUSC 266: Theory/Musicianship II. It will cover triads in first inversion, second inversion, non-chord tones 2, diatonic seventh chords, aural skills (sight-singing of melodies and rhythms), and keyboard (left hand chords with right hand melody). Prerequisites: MUSC 265 and MUSC 266. Odd years only.

MUSC 353: Blues, Jazz, & Rock N Roll, (F) (S) (Sum) (W) (On Demand) (3). This course takes a historical approach to the roots and development of blues, jazz, and rock n roll focusing on style, performance, and performers. Extensive listening to music of the time period is an integral part of this course. No prerequisite required nor is formal knowledge of music necessary.

MUSC 373: Elementary School Music, (F) (3). Teaching music in the elementary school: procedures, techniques, materials, and equipment. Prerequisite: MUSC 121 or permission from instructor.

MUSC 417: Recital (Capstone), (F) (On Demand) (3). Serves as the capstone for Bachelor of Arts in Music. In this course, the student will receive one 30-minute private lesson a week, culminating in a 30-minute recital of appropriate literature for his/her given instrument or voice. A minimum of 5-7 hours of rehearsal each week is expected outside of the weekly lesson. The music is memorized (vocal and piano) but is typically not memorized for other instruments. Formatting the printed program, preparing translations (voice), passing a pre-recital jury, attending all pre-jury rehearsals and dress rehearsals is required. Music minors may take MUSC 417 with permission from instructor. Prerequisites: MUSC

101, MUSC 102, MUSC 201, MUSC 202, MUSC 301, and MUSC 302. MUSC 302 may be taken in the same semester as MUSC 417, with permission from instructor.

MUSC 421: Music before 1750, (F) (3). A study of representative music, composers, and genres. Antiquity to 1750. Odd years only.

MUSC 422: Music after 1750, (S) (3). A study of representative music, composers, and genres. Classical period to the present day. Prerequisite: MUSC 421. Odd years only.

MUSC 495: Independent Study, (On Demand) (2-3). Independent study and/or research on approved topics. Prerequisite: permission from student's major instructor. May be repeated for credit.

All NURS 300 and NURS 400 courses (except NURS 340, Pathophysiology) require admission to the nursing program to enroll. Pre-licensure nursing courses must be taken in sequence. Any exceptions require the approval of the School Dean.

NURS 100: Nursing Assistant Skills: Medicaid Nurse Aide, (3). This course is designed to provide knowledge and skills for nurse aides to assume the role and responsibility required in long-term care. The focus of this course is communication, infection control, safety, resident rights, and basic nursing skills.

NURS 101: Introduction to Professional Nursing, (F) (S) (1). Introduces essential competencies for success in the nursing program and for professional nursing practice.

NURS 300: The Professional Role, (S) (Online RN to BSN only) (3). An examination of the nursing profession, including the nurse's role in health care, standards of practice, and the future of the profession.

NURS 301: Foundations Professional Nursing Practice, (F) (4). This course is designed to introduce the student to the foundational knowledge, theories, and skills that are integral to professional nursing. The course will focus on beginning clinical reasoning to meet the needs of patients. Corequisites: NURS 302, NURS 305, NURS 314, and NURS 315.

NURS 302: Foundations Professional Nursing Practice Clinical, (F) (2). Application of foundational knowledge, theories, and skills in lab and clinical settings. Corequisites: NURS 301, NURS 305, NURS 314, and NURS 315.

NURS 305: Pharmacology I, (F) (2). Introduction to the knowledge and interventions needed to maximize therapeutic effects and prevent or minimize adverse effects of drugs. Emphasis on safe application of basic pharmacotherapy knowledge. Corequisites: NURS 301, NURS 302, NURS 314, and NURS 315.

NURS 314: Health Assessment, (F) (Online RN to BSN only) (3). Gaining the knowledge to obtain health histories, physical examinations, and interpreting normal findings as well as common deviations from normal.

NURS 315: Foundations & Pharmacology Lab, (F) (1). Application of foundational and pharmacological knowledge, theories, and skills in the lab setting. Corequisites: NURS 301, NURS 302, NURS 305, and NURS 314.

NURS 321: Concepts Adult & Geriatric Nursing, (S) (3). Focus on the concepts of nursing practice for caring for adults of all ages related to acute and chronic health care needs and assisting patients to meet their human needs related to promotion, restoration, and maintenance of health. Corequisites: NURS 325 and NURS 360.

NURS 325: Adult & Geriatric Health Clinical, (S) (3). Application of theories, clinical reasoning, and skills related to the acute and chronic care of adults of all ages. Prerequisites: NURS 301, NURS 305, NURS 310, and NURS 336. Corequisites: NURS 321 and NURS 360.

NURS 331: Mother-Baby & Pediatric Nursing, (S) (3). Focuses on the concepts of nursing practice for the care of mothers-babies and pediatrics and families. Health promotion, disease prevention, restoration, and maintenance are highlighted in this course. Corequisite: NURS 335.

NURS 332: Nursing Theory, (S) (Online RN to BSN only) (1). The use of theoretical reasoning and its role in current nursing practice.

NURS 334: Healthcare Policy & Finance, (F) (Online RN to BSN only) (3). Examine the role of the professional nurse in healthcare delivery policies, politics, regulation, and finance.

NURS 335: Mother-Baby & Pediatric Nursing Clinical, (S) (2). Application of the theories, clinical reasoning, and skills related to care of mothers, babies, children, and families. Corequisite: NURS 331.

NURS 336: Transcultural Nursing, (F) (Online RN to BSN only) (3). Focuses on cultural assessment and providing culturally competent nursing care from a transcultural caring perspective.

NURS 338: Healthcare Informatics, (F) (Online RN to BSN only) (3). Examination of healthcare information systems and development of information literacy for healthcare providers.

NURS 340: Pathophysiology, (S) (Online RN to BSN only) (3). An examination of the physical or biochemical changes that are the cause or result of pathology or disease processes.

NURS 360: Evidence Based Practice & Research, (S) (Pre-Licensure) (Online RN to BSN only) (3). Explore the role of research in nursing practice and health care delivery, and critically review research reports. Explore the evidence in the literature for nursing care strategies.

NURS 401: Introduction to Community Health, (S) (1). An introductory course to the concepts and principles of community and public health.

NURS 403: Community & Family Clinical, (F) (1). Supervised clinical experience in a local and/or regional setting. Application of beginning theories, clinical reasoning, and skills for community and public health. Corequisite: NURS 401.

NURS 405: Pharmacology II, (F) (3). Continued exploration of effects of chemicals used in the prevention, diagnosis, and treatment of disease including genetic implications of pharmacology. Prerequisite: successful completion of NURS 305.

NURS 411: Mental Health Nursing, (F) (2). This course focuses on the mental health needs of the individual and family. Biological, psychological, emotional, and communication systems will be emphasized. Corequisite: NURS 415.

NURS 415: Mental Health Nursing Clinical, (F) (1). Application of knowledge, theories, and skills related to mental health nursing. Corequisite: NURS 411.

NURS 423: Community Health Nursing, (F) (Pre-Licensure only) (2). Development of clinical reasoning skills related to health and chronic illness of individuals and families, communities, and populations. Corequisite: NURS 425.

NURS 425: Community Health Nursing Clinical, (F) (1). Application of knowledge, theories, and skills related to health and chronic illness in the community. Corequisite: NURS 423.

NURS 426: Community Health Nursing & Clinical, (Online RN to BSN only) (4). Care of clients in community settings with a focus on populations, illness prevention, and health promotion. This is a combined theory and clinical course.

NURS 430: Management/Leadership, (S) (3). This course focuses on management and leadership theories and principles applied to nursing practice with an emphasis on developing skills and strategies for innovative and creative approaches to healthcare management and leadership challenges. This course is taken in a student's senior year.

NURS 435: Management & Leadership in Nursing & Clinical, (F) (RN to BSN only) (4). Focuses on management and leadership theories and principles applied to nursing practice. This is a combined course of theory and clinical.

NURS 444: Emerging & Persistent Issues in Nursing Healthcare, (F) (Pre-Licensure) (Online RN to BSN only) (3). Application of prerequisite knowledge and current evidence to persistent and emerging healthcare issues identified in scholarly literature and current epidemiological evidence. Topics will include current global, national, state, and local issues, genetics, and genomics.

NURS 451: Concepts Adult & Geriatric Health II, (S) (3). Focus on the advanced concepts of nursing practice for caring for adults of all ages with complex health alterations. Corequisite: NURS 430, NURS 455, and NURS 475.

NURS 455: Adult & Geriatric Health II Clinical, (S) (3). Application of knowledge, theories, and clinical reasoning in caring for adults of all ages experiencing complex alterations in health. Prerequisites: All prior NURS courses (NURS 301, NURS 302, NURS 305, NURS 314, NURS 315, NURS 321, NURS 325, NURS 331, NURS 335, NURS 336, NURS 340, NURS 360, NURS 401, NURS 403, NURS 405, NURS 411, NURS 415, NURS 423, NURS 425, and NURS 444). Corequisites: NURS 430 and NURS 451.

NURS 475: Senior Practicum, (S) (3). Application and synthesis of prerequisite knowledge, skills, and clinical reasoning through the program.

PHED 111: Beginning Swimming, (F) (S) (1). This course is an introduction to swimming covering front crawl, backstroke, and breaststroke skills. By the end of the semester, students are expected to be able to swim each of these three strokes, legally, for 50 yards, and perform and lead stretching routines designed for swimming activity. (Course is for non-swimmers only.)

PHED 112: Intermediate Swimming, (F) (S) (1). This course is an introduction to swimming covering butterfly and individual medley skills. By the end of the semester, students are expected to be able to

swim each of the four strokes, legally, for 50 yards, and perform and lead stretching routines designed for swimming. Prerequisite: PHED 111 or permission from instructor.

PHED 114: Water Aerobics, (F) (S) (1). This course is an introduction to water aerobics routines in shallow and deep water. By the end of the semester, students are expected to be able to perform these routines for at least 30 minutes and perform and lead stretching routines designed for water aerobics activity.

PHED 116: Yoga, (F) (S) (1). Yoga relaxes the mind and body, reducing stress and contributing to positive mental and physical health. Basic postures (asana postures), relaxation, and breathing techniques are taught throughout the semester. In this course, you will be introduced to the practice of hatha yoga, a yoga system of physical exercises and breathing control.

PHED 121: Team Sports, (F) (1). This course is to develop knowledge and increase awareness and appreciation for team sports. Students will learn teamwork and will be encouraged to improve their overall fitness through class activities.

PHED 122: Volleyball, (F) (S) (1). Students will learn the fundamentals of volleyball. This will include individual and team skills. This class is a beginning-level volleyball course. It will cover all of the fundamentals of play including passing, setting, serving, spiking, defensive techniques, and rules of play.

PHED 132: Golf, (F) (S) (1). Students are taught the common rules of golf so they will understand and have the ability to explain. Also taught are the proper mechanics and techniques of the golf stroke, the formulation and application of game strategy, and the development of a practical mental approach. Proper game etiquette is demonstrated.

PHED 133: Tennis and Badminton, (F) (S) (1). Students are taught the common rules of tennis and badminton so they will understand and have the ability to explain. Also taught are the proper mechanics and techniques of both sports, the formulation and application of game strategy, and the development of a practical mental approach. Proper game etiquette is demonstrated.

PHED 134: Personal Fitness & Aerobic Activities, (F) (S) (1). Course is to develop knowledge and increase student awareness and appreciation for aerobic activities and to encourage students to improve their overall fitness, through class activities, and to continue training throughout their lives.

PHED 136: Weight Training, (F) (1). Course is to develop knowledge and increase awareness and appreciation for Weight Training. Students will learn techniques and be encouraged to improve their overall fitness through class activities.

PHED 192: Lifeguard Training, (F) (S) (3). Advanced techniques of lifeguarding for water safety and rescue, first aid and safety, cardiopulmonary resuscitation (CPR), and automated external defibrillation (AED). American Red Cross certification (valid for two years) awarded to those who qualify at the end of the course. Prerequisite: successful completion of a swimming skills pre-test taken during the first class meeting.

PHED 201: Coaching Football, (Sum) (3). The practical study of the game of football, as it applies to the coach and player. A study of the fundamental skills, principles, and concepts. Odd years only.

PHED 202: Coaching Men's & Women's Basketball, (Sum) (3). Course is to develop an understanding of the strategies, skills, techniques, rules, and coaching techniques of basketball. The ability to organize a system of play for the game of basketball is also taught.

PHED 203: Coaching Soccer, (S) (3). This course will use the methodology used by the United States Soccer Federation in their licensing clinics and courses. Students will learn the rules of the game and be taught how to properly build and execute a training session. Students will learn how to break down the technical, tactical, mental, and physical aspects of the sport and will learn how to implement them into an educational setting. The coaching theories and methodologies could also be transferred into other sports as well.

PHED 204: Coaching Baseball & Softball, (Sum) (3). Course is the practical study of the game of baseball and softball, as it applies to the coach and player. A study of the fundamental skills, principles, and concepts.

PHED 241: History/Philosophy of Physical Education, (F) (3). Course is a study from primitive man through the present, with particular emphasis on Greek physical education, European systems, and development of physical education in North America. Includes some research into the history of various sports.

PHED 243: Philosophy of Coaching, (Sum) (3). An in-depth introduction to the coaching profession integrating the latest sport science research with practical knowledge for the high school and middle school coach. Includes sportsmanship, coaching diverse athletes, managing the athlete's behavior, preventing and addressing drug and alcohol abuse, and developing parental and community relationships.

PHED 261: Physical Education: Elementary School, (F) (3). The role of the classroom teacher in physical education. Emphasis is placed on the application of game, movements, exploration, and rhythms and self-testing. Included are screening procedures for the assessment of motor development. Five hours of observation at the secondary school level is required.

PHED 275: Principles: Elementary Movement Form, (F) (3). An experience in discovering the principles behind basic movement forms at the elementary physical education level. Various movement theories and concepts will be explored and examined on the cognitive and kinesthetic bases.

PHED 340: Motor Development, (S) (3). An examination of an individual's motor development across the lifespan. Particular emphasis will be placed on the effect physical activity has on growth and development.

PHED 351: Tests and Measurement in Health & Physical Education, (F) (S) (3). Evaluating health and physical education by the construction and administration of tests. Emphasizes reliability, objectivity, and validity of tests and grading systems. Students will be required to organize, administer a test, and evaluate and report the results. Prerequisite: students must have junior or senior standing.

PHED 361: Organization & Administration: Physical Education, (S) (Sum) (3). Administration of physical education and athletic programs in schools, with special emphasis on philosophy and leadership styles. Includes budget and finance, office management, curriculum development, facilities, legal factors, and public relations.



PHED 410: Exercise Physiology, (F) (S) (3). During this course, the effects of exercise and physical activity on human physiology will be studied, with a focus on the neuromuscular and neuroendocrine systems and metabolic processes. Also reviewed will be influences on physical performance such as nutrition, and types of physical training. Prerequisites: Exercise Science majors must have BIOL 331, non-majors must have WELL 340, or permission from instructor. Fee: \$25 consumable items fee required.

PHED 420: Physical Education: Exceptional Child, (F) (3). This course will review historical and legislative development of physical education for people with disabilities. Normal and abnormal mental and physical development will also be reviewed, along with teaching concerns. Experiential components include empathy, field, and teaching experiences.

PHED 421: Kinesiology, (F) (S) (3). An analysis of human motion and its relation to athletic and gymnastic activities; practical application of these principles. Prerequisite: Exercise Science majors must have BIOL 330, non-majors must have WELL 340, or permission from instructor. Fee: \$25 consumable items fee required.

PHED 461: Physical Education: Secondary School, (S) (3). Topical areas such as philosophy, teacher certification, competencies, and professional activities will be covered. Curriculum construction, instructional methods, class management, and techniques for teaching specific activities will be considered as they relate to the secondary level. Five hours of observation at the secondary school level is required. Prerequisite: permission from instructor.

PHED 471: Sports Management Internship, (F) (S) (Sum) (6). Supervised sports management experience in a related setting. Students work 200 hours for 6 hours of credit. Prerequisite: permission from the School Dean.

PHED 495: Independent Study, (F) (S) (Sum) (3). Independent work for advanced students only. Prerequisite: permission from instructor.

PHIL 215: Philosophy in the Modern World, (S) (3). An introduction to philosophy through examination of modern trends in the discipline. Attention is given to developments in philosophy in the 20th century, including but not limited to pragmatism, philosophy of language, and existentialism. Particular attention is given to the role of philosophy in discussions of political, social, and religious issues from the late 19th century to the present. This course may cross-list with HUMN 215.

PHIL 252: Intro Philosophy: Ethics & Political Philosophy, (F) (3). A topical course focusing on questions related to the nature of moral value, skepticism and relativism, the individual and society, concepts of justice, and contemporary moral issues. Emphasis is placed upon helping students to develop skills in moral reasoning and the historical, social, and cultural contextualization of philosophical ideas.

PHIL 260: Logic and Language, (S) (3). The course introduces rules for judging the validity of deductive arguments and the soundness of inductive arguments. Particular attention is given to defining logical structure in ordinary language arguments. Issues in the philosophy of language are examined. Even years only.

PHIL 261: Topics in Philosophy of Religion, (S) (3). An introduction to philosophy through the examination of philosophical issues related to religious faith, such as arguments for the existence of God, the problem of evil, religious language, mysticism and religious experience, revelation and reason,

natural law, miracles, life after death, relativism and pluralism, particularism, and universalism. Course will include traditional and contemporary approaches. Even years only.

PHIL 301: Readings in Philosophy, (F) (1-3). Reading courses for Religious Studies majors and minors, taken in the junior year. Prerequisite: permission from instructor.

PHIL 302: Readings in Philosophy, (S) (1-3). Reading courses for Religious Studies majors and minors, taken in the junior year. Prerequisite: permission from instructor.

PHIL 352: Ethics & Political Philosophy, (F) (3). A topical course focusing on questions related to the nature of moral value, skepticism and relativism, the individual and society, concepts of justice, and contemporary moral issues. Emphasis is placed upon helping students to develop skills in moral reasoning and the historical, social, and cultural contextualization of philosophical ideas. Prerequisites: One (1) course in philosophy and one (1) course in religion or permission from instructor. This course may substitute for PLSC 360 Political Philosophy. Even years only.

PHIL 460: Knowledge & Reality, (S) (3). The course focuses on developments in epistemology and metaphysics during key periods in the history of philosophy, with particular attention to the consequences for moral and political thought. Course may be listed under an appropriate subtitle such as: philosophy of science, philosophy of mind, philosophy of language, reason and relativism, religion and science, etc. May be repeated for credit when listed under a different subtitle. Prerequisite: One course in philosophy and one course in religion or permission from instructor. Odd years only.

PHIL 495: Independent Study, (On Demand) (3). Independent study or research on approved topics. May be repeated for credit. Prerequisite: permission from instructor.

PHYS 111: College Physics I, (F) (S) (3). A two-semester sequence, these courses are intended for life science and non-science students. They must be taken sequentially. PHYS 111 topics include mechanics of motion; the properties of solids, liquids, and gases; and thermal phenomena. PHYS 112 topics include wave motion and vibrations; electricity and magnetism; optics; and selected topics in modern physics. Does not count toward a minor. Corequisite: MATH 131 or permission from instructor.

PHYS 112: College Physics II, (F) (S) (3). A two-semester sequence, these courses are intended for life science and non-science students. They must be taken sequentially. PHYS 111 topics include mechanics of motion; the properties of solids, liquids, and gases; and thermal phenomena. PHYS 112 topics include wave motion and vibrations; electricity and magnetism; optics; and selected topics in modern physics. Does not count toward a minor. Corequisite: MATH 131 or permission from instructor.

PHYS 113: College Physics Lab I, (F) (S) (1). Laboratory experiments accompanying PHYS 111 and PHYS 112 respectively to illustrate basic principles and develop laboratory skills. No credit may be received for these laboratory courses without concurrent or prior completion of the corresponding lecture course.

PHYS 114: College Physics Lab II, (F) (S) (1). Laboratory experiments accompanying PHYS 111 and PHYS 112 respectively to illustrate basic principles and develop laboratory skills. No credit may be received for these laboratory courses without concurrent or prior completion of the corresponding lecture course.

PHYS 211: General Physics I, (F) (S) (4). A two-semester sequence which must be taken in order. Mechanics of solids, liquids and gases; laws of thermodynamics; kinetic-molecular theory, vibrating

bodies; wave physics; laws of Coulomb, Faraday, Ampere, Ohm, Joule, and Lenz; electromagnetism; and optics. Prerequisite or Corequisite: MATH 242.

PHYS 212: General Physics II, (F) (S) (4). A two-semester sequence which must be taken in order. Mechanics of solids, liquids and gases; laws of thermodynamics; kinetic-molecular theory, vibrating bodies; wave physics; laws of Coulomb, Faraday, Ampere, Ohm, Joule, and Lenz; electromagnetism; and optics. Prerequisite or Corequisite: MATH 242.

PHYS 213: General Physics Lab I, (F) (S) (1). Laboratory components accompanying PHYS 111 and PHYS 112 respectively. A general physics laboratory course involving experiments in mechanics, heat, sound, electricity, magnetism, and optics. Experiments are coordinated with PHYS 211-PHYS 212. No credit may be received for these laboratory courses without concurrent or prior completion of the corresponding lecture course.

PHYS 214: General Physics Lab II, (F) (S) (1). Laboratory components accompanying PHYS 111 and PHYS 112 respectively. A general physics laboratory course involving experiments in mechanics, heat, sound, electricity, magnetism, and optics. Experiments are coordinated with PHYS 211-PHYS 212. No credit may be received for these laboratory courses without concurrent or prior completion of the corresponding lecture course.

PHYS 304: Modern Physics, (F) (3). Study of modern physics: relativity, quantum mechanics, wave/particle duality, atomic/nuclear/particle physics, and cosmology. Prerequisites: PHYS 111 and PHYS 112, or PHYS 211 and PHYS 212. Even years only.

PHYS 305: Problem Solving in Modern Physics, (F) (1). Calculus-based problem-solving supplement to PHYS 304, Modern Physics. Prerequisites: PHYS 211 and 212, and MATH 242. Prerequisite or Corequisite: PHYS 304. Even years only.

PHYS 331: Heat and Thermodynamics, (On Demand) (3). Thermodynamic systems and processes, equations of state, PVT surfaces and real substances, laws of thermodynamics, energy equations, enthalpy, entropy, thermodynamic potentials, and application of thermodynamics to simple systems. Prerequisite: PHYS 212. Prerequisite or Corequisite: MATH 243. Odd years only.

PHYS 402: The Physics of Solids, (On Demand) (3). A study of the physical, mechanical, thermal, electrical, and magnetic properties of solid phase materials. Also, to be considered are experimental methods for investigating solids. Prerequisites: MATH 131 and either PHYS 111 and PHYS 112, or PHYS 211 and PHYS 212.

PLA 200: Prior Learning Assessment, (Online), (1). This course offers adult learners the opportunity to document previous learning experiences for elective college credit. This Portfolio Development course is an introductory study of composition utilizing the CAEL model portfolio development process. Students will write and submit one or more portfolios during the course that will be evaluated for elective credit. Pass/Fail.

PLA 300: Prior Learning Assessment, (Online), (1). This course offers adult learners the opportunity to document previous learning experiences for elective college credit. This Portfolio Development course is an introductory study of composition utilizing the CAEL model portfolio development process. Students will write and submit one or more portfolios during the course that will be evaluated for elective credit. Pass/Fail.

PLSC 101: American National Government, (F) (S) (3). A survey of the principal characteristics of the American National Government; examination of constitutional principles, federalism, political participation, institutions of government, and the politics of public policy. Please see the Department of History, Religious Studies & Languages section of the catalogue for information on the History and Political Science Major.

PLSC 209: American Courts & Judicial Process, (S) (3). This course presents an overview of the development of federal and state court systems examining structure, administration, case flow, and interaction with other portions of the criminal justice and governmental systems. Cross-listed with CRJU 209.

PLSC 231: International Politics, (F) (3). Basic historical, economic, and cultural factors in the international political system including the rise and development of Western nation-state systems; the foundations of national power; sovereignty, nationalism and imperialism; the development of international organizations and cooperation.

PLSC 305: American Political Parties & Politics, (On Demand) (3). The organization, functions, and practices of political parties in the United States, their methods of influencing public opinion, their role in nominations and elections, and their impact on popular government.

PLSC 306: Topics in Political Science, (3). Provides in-depth coverage of topics not included in the regular Political Science curriculum. Cross-listed with CRJU 306.

PLSC 307: Criminal Justice Administration, (3). A study of the administrative principles and management practices of criminal justice organizations including police agencies, courts, and correctional institutions. Cross-listed with LAWS 307.

PLSC 382: Legal Political Thought - Classical, (F) (3). This course examines ancient understandings of law, statesmanship, and the good society. Problems relating to these interwoven components of the political arena are considered on both theoretical and practical levels, the first concerning what the relationship of citizen and state should be, the latter involving review of practices as seen through the lives of actual rulers from ancient Greece and Rome. Cross-listed with CRJU 382.

PLSC 383: Legal Political Thought - Modern, (S) (3). This course examines the way in which seminal questions with relation to the proper foundations and structures of society have been approached in the modern era. Analysis includes examination of founders, religion, and the military, especially in connection to the concepts of fortune and necessity. Cross-listed with CRJU 383.

PLSC 401: Public Policy & Criminal Justice, (F) (3). The study of policy questions in the criminal justice system. Particular emphasis is placed on a detailed examination of the major policy issues that link crime, politics, administration, and the law. Prerequisite: upper division standing. Cross-listed with CRJU 401.

PLSC 405: The American Founding, (F) (3). The American Founding is an inquiry into the governing principles of the Declaration of Independence and how its transformation culminated in the Constitution of the United States. To understand the modern American political system requires a re-examination of first principles and the relationship between the two fundamental documents of the American republic. Even years only. Cross-listed with CRJU 405.

PLSC 408: American Presidency, (On Demand) (3). Analysis of the institution of the presidency, its functions, formal and informal relationships, and its limitations within the American political system.

PLSC 409: Statesmen, Soldiers & Leadership, (F) (3). This course is an inquiry into the nature, purpose, origin, structure, and practical consequences of political and military leadership. Questions concerning the elements of great leadership from perspectives of personal attributes and implementation of policy will be of prime import. Odd years only. Cross-listed with CRJU 409.

PLSC 470: Political Violence, (On Demand) (3). The purpose of this course is to introduce the student to the issues relating to violence as a component of politics. Topics such as terrorism, warfare, and arms proliferation will be analyzed. In addition, the course will familiarize the student with several regional conflicts, e.g., Northern Ireland. Cross-listed with CRJU 470.

PLSC 483: Constitutional Law II: National Powers, (S) (3). An overview of the United States Supreme Court's interpretation of Articles I, II, and III of the federal constitution. These articles divide the powers of the federal government between three ostensibly co-equal branches. The respective branches may only exercise those powers granted to them by the respective Articles. Powers not delegated to one of the branches are reserved to the states. These two constitutional principles - separation of powers and federalism - invariably generate conflicts among the three branches and between the branches and the various states. The Supreme Court's efforts to arbitrate such conflicts are examined through analysis of its decisions and its efforts to interpret the "plain meaning" of the Constitution's language, and to discern the "intent of the founders." Even years only. Cross-listed with CRJU 483.

PLSC 486: Constitutional Law I: Civil Liberties, (S) (3). The development and interpretation of the Constitution examined through analysis of the decisions of the Supreme Court and secondary sources, focusing on the Bill of Rights and the Fourteenth Amendment. The course serves as an introduction to how our national heritage of civil liberties has been articulated by the Court to form law and legal doctrine over the course of two centuries, including consideration of the areas of privacy, public morality, defendant's rights, and the death penalty. This dual registration course is also available for upper-division elective credit in Criminal Justice. Prerequisites: CRJU 201 and CRJU 205, or permission from instructor. Odd years only. Cross-listed with CRJU 486.

PSYH 200: Introduction to Psychology, (F) (S) (3). Emphasis on the study of human behavior and the ability of the individual to make adjustments to his/her environment.

PSYH 202: Forensic Psychology, (F) (3). An application of psychological principles to the criminal justice system. Topics include: the relationship between the legal and mental health systems, the assessment of criminal responsibility, the psychodynamics of criminal behavior, and intervention strategies.

PSYH 275: Cross-Cultural Psychology, (F) (S) (3). This course examines human behavior from a cross-cultural perspective. This course will evaluate psychological theories that make assumptions from a limited cultural perspective through exploring recent research and topics that challenge these commonly accepted psychological theories. The goal of this course is to provide a broader knowledge and understanding of the field of psychology outside the U.S. culture. Prerequisite: PSYH 200 or permission from instructor.

PSYH 290: Clinical Psychology (F) (S) An introduction to the basics of clinical psychology. This course stresses the importance of theory, quality research, prevention, assessment skills, and clinical abilities in interventions. Reviews and examines three theoretical perspectives - psychoanalytic, behavioral, and

phenomenological - and makes use of case material and real-world applications to illustrate each theoretical approach. There will be an emphasis on the advantages of the scientist-practitioner model of preparation for the multitude of functions available to clinical psychologists. Prerequisite: PSYH 200, or permission from instructor.

PSYH 301: Statistics for Psychology, (F) (3). This course will provide an introduction to descriptive and inferential statistics, with emphasis on use in psychological research. Attention is given, in this course, to the use of statistical software for data analysis, and the selection of appropriate texts for particular experimental designs. Prerequisites: MATH 230 and PSYH 200, or permission from instructor.

PSYH 302: Research Design, (S) (3). This course continues the study of inferential statistics and the design and interpretation of psychological experiments begun in PSYH 301, Psychological Measures & Analysis. Includes an examination of qualitative and quantitative research methods, data collection procedures, methods of observation and analysis, reporting results, and ethical issues in research psychology. Prerequisites: PSYH 200 and PSYH 301.

PSYH 310: The Psychology of Aging, Death, and Dying, (F) (3). This course addresses the processes of aging and dying and the influence of concerns of same on human behavior. It is designed primarily for health care providers including psychologists, counselors, nurses, physician assistants, physicians, and other ancillary health care professionals, as well as educators, athletic trainers, coaches, etc. As lifespan lengthens and technical advances provide many options for treatment and care, end of life awareness and decision-making processes demand education and informed decision making skills.

PSYH 315: Physiological Psychology, (F) (3). This course examines the biochemical, neuroanatomical, and physiological bases of human and animal behaviors such as sensory perception, motor function, language, learning, memory, and emotion. Prerequisite: PSYH 200 or permission from instructor. Formerly PSYH 215.

PSYH 330: Social Psychology, (F) (S) (3). Major emphasis is on problems involved in human relations. Designed to help the individual to understand and adjust to group thought and action. Attention is given to recent psychological and sociological research in human relations. Prerequisite: PSYH 200 or permission from instructor.

PSYH 332: Lifespan Development, (F) (S) (3). This course examines the theories and research on psychological development from birth to death. This course will focus on the topical areas of physical, cognitive, and social changes that occur throughout life. Prerequisite: PSYH 200 or permission from instructor.

PSYH 350: Cognitive Psychology, (F) (S) (3). An introduction to the study of human information processing. Topics include attention, thinking, pattern recognition, short and long- term memory, semantic memory, mental imagery, problem solving, creativity, and language acquisition. Prerequisite: PSYH 200 or permission from instructor. Even years only.

PSYH 352: Abnormal Psychology, (S) (3). Mental disorder, changing conceptions of normality, the more common forms of mental disorders, their psychological interpretation, principles of effective mental hygiene, and contemporary approaches to psychotherapy. Prerequisite: PSYH 200 or permission from instructor.

PSYH 360: Sensation and Perception, (S) (3). An introduction to the principles and theories of human perception. The anatomy and physiology of different sensory modalities are examined. Topics include vision, hearing, touch, taste, and smell. Psychophysics is covered. Prerequisite: PSYH 200 or permission from instructor. Even years only.

PSYH 402: Counseling Theories & Techniques, (F) (3). Basic theories, types, and techniques of counseling. Practice in individual and group techniques of interviewing. Prerequisite: PSYH 290 or permission from instructor. Even years only.

PSYH 405: Foundations of Chemical Dependency I, (F) (S) (4). Introduction to the foundations of the alcohol and drug abuse rehabilitation field. Emphasis on the roles and responsibilities of the addictions counselor. Focus is on the first six (6) of the twelve (12) core functions: screening, intake, orientation, assessment, treatment planning, and basic counseling skills. Interactive work stressed.

PSYH 406: Foundations of Chemical Dependency II, (F) (S) (4). Introduction to the foundations of the alcohol and drug abuse rehabilitation field. Emphasis on the roles and responsibilities of the addictions counselor. Focus is on the last six (6) of the twelve (12) core functions: case management, crisis intervention, client education, referral, reports and recordkeeping, and consultation with other professionals, in regard to client treatment and services. Interactive work stressed. Prerequisite: PSYH 405.

PSYH 407: Ethical Issues in Chemical Dependency Treatment, (F) (S) (1). Introduce students to the ethical issues involved in chemical dependency treatment. Special attention will be given to the epidemiology of HIV/AIDS, hepatitis, tuberculosis, and sexually transmitted diseases that frequently infect people who use drugs or who are chemically dependent. Students will examine treatment options and prevention strategies. The ethical and legal issues that impact infected individuals as well as the larger community will be explored. Students are expected to demonstrate respect for the client and an appreciation of individual and cultural differences, including sexual orientation. They are also expected to explore their own attitudes and biases about HIV/AIDS and infectious diseases.

PSYH 410: Psychology of Addictions, (F) (S) (3). Major emphasis is on factors determining the development of addictions, including physiological, emotional, cognitive, and behavioral dimensions of the addictive process. Also emphasizes intervention and treatment strategies for the various types of chemical dependency and substance abuse. Prerequisite: PSYH 200 or permission from instructor.

PSYH 413: Recovery & Relapse, (F) (S) (3). This course is designed to address the diverse issues that are related to the recovery from addiction as an ongoing process involving physical, psychological, social, intellectual, spiritual, and cultural aspects of the individual. Major themes of the course include the passages of recovery, relapse prevention principles, relapse warning signs, and the 12-step approach to recovery. Using a holistic perspective, students will gain insight into basic recovery principles as they are related to the process and prevention of relapse.

PSYH 424: Biological Systems of Chemical Dependency, (F) (S) (3). Exploration of the physiological effects of chemical use on human biological systems and human development. Emphasizes identification and management of chemically induced crises situations, including issues in co-morbidity and prevention.

PSYH 425: Crisis and Trauma (3). This course is a basic introduction into accepted approaches to working with people who have experienced trauma in their lives. Using current available research literature, this course will introduce students to the definition and types of trauma, critical incident stress

management/debriefing (CISM/CISD), client resourcing and stabilization ethical considerations, theoretical frameworks, assessments/diagnosis, effective treatments/interventions, prevention, and therapist self-care (vicarious trauma).

PSYH 454: Human Sexuality, (Online) (3). This course is focused on the interplay between motivation, behavior, cognition, and emotion. The understanding of it is used to help people improve their emotional self-regulation, motivation, and cognitive-behavioral restructuring in the co-creation of their relationships and adjustments to the world. Prerequisite: PSYH 200 or permission from instructor.

PSYH 460: Personality Theories, (F) (3). The nature of personality structure and dynamics. Classical psychoanalysis, social, psychological, and stimulus-response theories included. Prerequisite: PSYH 200 or permission from instructor.

PSYH 461: History and Systems of Psychology, (F) (S) (3). This course is designed to allow students to discover the philosophical and historical roots of psychology and to give students some idea of where the study of human cognition and behavior is going in the near future. The course is divided into four main sections: (1) The present: globalization, psychology, and history; (2) early philosophical and biological foundations of scientific psychology; (3) schools of psychology; and (4) diversity in psychology. Prerequisite: PSYH 200 or permission from instructor.

PSYH 470: Learning Theories, (F) (S) (3). The major focus of this course is an exploration of how individuals learn, including specific learning theories and their relation to classroom teaching. Prerequisite: PSYH 200 or permission from instructor. Odd years only.

PSYH 475: Advanced Behavioral Neuroscience, (S) (3). This course will present an overview of topics in neuropsychology of behavior with the goal of: introducing students to the science of neuropsychology; familiarizing students with the methods in neuropsychology; and familiarizing students with how clients with neuropsychological impairments may present in their future clinical work. Prerequisite: PSYH 315. Odd years only.

PSYH 481: Special Topics in Psychology, (On Demand) (3). An intensive study of selected topics of interest within the discipline of psychology. May be repeated for credit as the topic varies. Prerequisites: vary depending on course topic, or permission from instructor.

PSYH 485: Substance Abuse Internship, (3). The course will provide an overview and real-life experience in the field of substance abuse. Throughout this course we will look at the 12 core functions of substance abuse counseling and how they are applied, we will look at how to utilize community resources for a well-rounded approach to substance abuse counseling, we will look at assessing community needs, and we will look at program design and development in the substance abuse field.

PSYH 497: Senior Seminar I, (F) (3). Senior Seminar is a two-phase (PSYH 497 and PSYH 498) capstone process that leads to a research paper, to be presented to an institutional, regional, national, or international professional event. Major emphasis is on knowledge and application of psychological research concepts and methods. Research areas to be covered include design, methods, statistical analysis, statistical software packages, writing research proposals and reports, and ethics in research. Prerequisites: PSYH 200, PSYH 301, PSYH 302 or permission from instructor.

PSYH 498: Senior Seminar II, (S) (3). Students will extend the application of principles and concepts learned in PSYH 497 (Senior Seminar I). Topics covered may include experimental design, survey design, advanced statistics, qualitative research design, and empirical writing. Students will implement their Senior Seminar II proposals by revising and expanding their literature reviews, revising and



implementing their designs, analyzing results, and describing conclusions. Students will also prepare a professional presentation to be given at an institutional symposium and/or professional conference. Prerequisites: PSYH 301, PSYH 302, PSYH 497, senior standing or permission from instructor.

RECM 111: Introduction to Recreation & Leisure, (F) (S) (3). An introduction into leisure in our society. The course explores leisure service concepts; examines the differences among play, sport, leisure, recreation, and work; and explores modern and historic patterns of leisure, delivery systems, and the premise on which the public provision of recreation services is founded.

RECM 130: Wilderness Survival, (F) (3). Explores the skills required for survival in the wild. Land navigation, survival (air, shelter, water, and food), and wilderness first aid skills will be covered. This course will include off campus class sessions.

RECM 131: Mountain Biking, (F) (S) (1). Introduces students to the specific skills required to explore the back country by mountain bike. Topics covered will include: bike fit, trail riding, environmental issues, bike design and repair, and route planning. Prerequisite: RECM 130 or permission from instructor.

RECM 132: Fly Fishing, (S) (1). This course is designed to provide a foundation in basic casting skills, fish habitat, basic entomology, fly tying, and rod construction.

RECM 135: Canoe/Kayak, (S) (1). Introduction to the basic skills and techniques required for safe and enjoyable river and lake travel by canoe and kayak. Prerequisite: RECM 130 or permission from instructor.

RECM 190: Special Topics, (F) (S) (1). This course is designed to offer different activity courses in Recreation. Examples: hiking and backpacking, adventure racing, climbing, and rappelling.

RECM 201: Principles of Outdoor Recreation, (S) (3). Designed to deliver a comprehensive overview of outdoor recreation in the United States. It explores the full range of the outdoor recreation movement, from its underlying philosophical and social underpinnings, to its rich history, to the current providers of the diverse outdoor recreation opportunities which exist. Includes off-campus sessions.

RECM 235: Wilderness Adventure & Education, (F) (3). This course introduces the student to ropes and challenge courses, rappelling, rock climbing, cave exploration, and backcountry recreation, both in theory and practical application. Students will learn to plan, organize, and lead various exercises. Includes off-campus sessions.

RECM 237: Expedition Planning, (S) (3). This course explores backcountry travel and living, particularly in the context of extended expeditions. Topics covered include hiking, backpacking, backcountry nutrition, trip planning, and low impact/leave no trace camping. Of necessity, the course will also deal to varying degrees with wilderness leadership, ethics, and land use policies. Depending upon the interests and preferences of the members of the class, the course may delve into specific skills needed for multi-day backcountry excursions involving water travel, bicycle touring, horse packing, and extreme-environment travel.

RECM 250: Recreation Programming, (F) (3). This course will cover the program planning and delivery process as a logical problem-solving system, covering needs analysis, population identification, design implementation, and program evaluation. Includes off-campus sessions.

RECM 333: Recreation Visitor Behavior, (F) (3). Examining the social psychological principles at work when people recreate in the outdoors. This course is essentially the study of recreation and leisure behavior as it impacts the planning, design, and management of natural resource-based recreation opportunities. Special consideration will be given to the effect of human behavior on natural environments. Prerequisites: RECM 111 and RECM 201 or permission from instructor. Includes off-campus sessions.

RECM 350: Recreation Administration & Leadership, (S) (3). The study of leadership techniques and applications necessary for the delivery of recreation programs, in a variety of leisure settings.

RECM 411: Interpretive Methods, (F) (3). This course covers the basic principles of interpretation/education in the natural setting that contribute to the leisure experience and as part of natural and cultural resource management. Communication, educational, and media skills will be demonstrated through instructor and student organized applications. Prerequisite: upper division status or permission from instructor. Even years only. Includes off-campus sessions.

RECM 475: Philosophy of Recreation Management, (S) (3). A career in recreation management is one of considerable responsibilities and rewards. Developing a professional philosophy is a necessity for a fulfilling career. At the heart of recreation management are the philosophical ideals of excellence, care, equity, and respect for self and for others. Prerequisite: upper division status or permission from instructor.

RECM 480: Environmental Ethics, (F) (3). Environmental ethics is a principled attempt to redefine boundaries of ethical obligation. This class will introduce the student to a wide range of environmental ethical theories and philosophies. Designed as a “taking sides” course, discussions will center on current major environmental issues, emphasizing an examination of all relevant positions. Prerequisite: upper division status or permission from instructor. Even years only.

RECM 485: Recreation Management Internship, (F) (S) (Sum) (6). Supervised recreational internship in an outdoor/park setting for either 180 or 360 hours of practical and related work experience, which occurs no sooner than two semesters prior to graduation. Application shall be made by midterm of the preceding semester. Prerequisite: minimum 2.5 GPA in RECM course work.

RLGN 120: Morality & Community, (F) (2-3). The course examines the role of religion in moral formation and community service (service to society, by self-defined groups). Primary attention is given to the wisdom and prophetic traditions of Judaism, Christianity, and Islam. Issues of social justice are a central point of focus, and limited attention is given to contemporary figures in whose voices are heard echoes of the prophetic traditions. Students develop the ability to interpret sacred texts of these religions, in relation to the social location of the ancient audiences, as well as their own. To this end, a service learning project is required of all students. On the basis of the service experience and directed reflection upon it (individual and collective reflective), students will critically examine the role of religion in shaping conceptions of justice for individuals and communities.

RLGN 211: History & Faith of Ancient Israel, (F) (3). A study of selected writings of the Hebrew Bible, Apocrypha, and New Testament, with particular attention to the historical development of religious faith and practice in ancient Israel from earliest times to the rise of Christianity. Attention is also given to the formation and development of Judaism in relation to the formation of its scriptural canon. Students are introduced to various scholarly methods of biblical interpretation.

RLGN 231: Topics in World Religions, (S) (3). An introduction to the academic study of religion through an examination of the relationship between religion and culture in the world's major religious traditions: Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, and Islam. Possible topics of focus include religious law and ethics, varieties of religious experience, and role of geography in the rise and spread of the major religions.

RLGN 251: Topics in Early Christianity, (S) (3). The course examines important historical and theological developments in Christianity from the New Testament period until the late Middle Ages, with particular attention to the interpretation of Jesus' life and teachings in social and cultural context. Based on topic, this course may cross-list with courses in History, Art History, or Philosophy.

RLGN 256: Topics in Modern Christianity, (F) (3). The course examines important historical and theological developments in Christianity since the Reformation. Particular attention is given to the development of "historical consciousness" and the implications for theology, ethics, and biblical hermeneutics. Based on topic, this course may cross-list with courses in History, Art History, or Philosophy.

RLGN 301: Readings in Religion, (F) (1-3). Reading courses for Religious Studies majors and minors, taken in the junior year. Prerequisite: permission from instructor.

RLGN 302: Readings in Religion, (S) (1-3). Reading courses for Religious Studies majors and minors, taken in the junior year. Prerequisite: permission from instructor.

RLGN 331: Christian Tradition I, (F) (3). An examination of the four New Testament gospels and the portrait of Jesus presented in each. Attention is also given to Jesus tradition found in other New Testament writings (James and 1 John). Historical, socio-rhetorical, and theological methods of interpretation are introduced. Prerequisite: RLGN 211 or RLGN 231, or permission from instructor. Even years only.

RLGN 341, Paul the Apostle: Life, Teachings, and Legacy.

The course examines Paul's place in what Christianity calls the Apostolic Tradition. Interpretation of Paul's letters are the principal focus of the course. Other biblical writings (Acts and General Epistles) and early Christian writings are also examined. S (Even years)

PHIL 352, Topics in Moral and Political Philosophy.

The course examines issues related to the articulation and justification of moral beliefs; for example, logic and moral reasoning, relativism and universalism, religion and morality. F (Even)

RLGN 361: Education in the Local Church, (On Demand) (3). Theory and practice of Christian Education with special attention on planning a program in the local church. Prerequisite: RLGN 211 or RLGN 231, or permission from instructor.

RLGN 401, Readings in Religion.

A reading course that can be taken as a supplement to another 400-level course or as a stand alone course.

RLGN 412, Bible and Worship.

The course examines how worship in ancient Israel and early Christianity provided a context for formation and transmission of religious tradition. Attention also is given to how worship plays a comparable role in contemporary religious communities. F (Odd years)

RLGN 452: Renaissance & Reformation, (F) (3). A study of the medieval roots of the Renaissance, the Protestant Reformation, and the Catholic counter-reformation, and their contribution to the beginnings of the early modern period of European history. The principal focus is the complex relationship between Renaissance humanism and Reformation religious thought and the enduring social and cultural influence of the two movements on Western civilization. Prerequisite: RLGN 211 or RLGN 231, or permission from instructor. The course may cross-list with HIST 451. Odd years only.

RLGN 454: Religion in the United States, (S) (3). A phenomenological and historical study of the varieties of religious practice in the United States. Possible topics include civil religion, new religious movements, and the impact of Diasporas from the southern hemisphere. Prerequisite: RLGN 211 or RLGN 231, or permission from instructor. Odd years only.

RLGN 461: Islamic Religion & Civilizations, (S) (3). The political and religious history of the Middle East from the beginning of Islam to the beginning of the modern era. Particular attention is given to interaction with Greek and Christian civilizations. Cross-lists with HIST 461. Even years only.

RLGN 479: Seminar in Religion, (S) (3). Intensive study of special topics in religion. Prerequisites: advanced standing and permission from instructor.

RLGN 495: Independent Study, (F) (S) (3). Independent study or research on approved topics. Prerequisite: permission from instructor. May be repeated for credit.

SLRN 102: Service Learning, (On Demand) (1). This course is designed to provide students with experience and reflection during a midterm break or during a semester project concerning the nature of community and social problems, and to prepare students for civic engagement and social responsibility. The course will include a supervised service-learning component through which students will develop skills and knowledge to meet community needs and better understand societal problems. (See Service Learning in the Academic Program section.)

SOCI 131: Introduction to Sociology, (3). The interaction of individuals, within a larger social context, in order to help students develop “sociological imagination” about their own lives. The course examines how group life is organized and how it functions at both micro and macro levels; the process of socialization as well as the various axes of inequality, including race, social class, and gender and looks at a variety of social institutions including the family, education, health care, and religion.

SOCI 231: Juvenile Delinquency, (3). An introduction to the study of juvenile delinquency and the juvenile justice system. The course investigates the topics of juvenile law, theories of causation and procedural issues, and their interrelationships.

SOCI 241: Sociology of Appalachia, (3). Uses the basic principles and concepts of sociology to study life in the Appalachian region. The areas of study include socio-economic class, culture, folklore, social institutions, the family, religion, schooling, poverty, and development. Cross-listed with APST 241.

SOCI 251: Social Problems, (3). Scientific understanding of social problems; problem areas in contemporary American society; and world-wide problems such as racism, sexism, problems in education, social stratification, problems in children’s lives, environmental degradation, and violence.

SOCI 271: Sociology of the Family, (3). How do we define family today? How is it structured? We examine key issues that have changed over the past 30 to 50 years, including dating and sexuality, single

motherhood, teen pregnancy, divorce, stepfamilies, balancing work and family, and motherhood vs. fatherhood. Emphasis upon changing attitudes toward family relationships, some of the problems involved, and suggested solutions.

**SOCI 300: Methods Qualitative Research & Community Development, (F) (3).** This course will provide an introduction to the methods and tools of qualitative analysis and writing. Course material will include training in qualitative research, emphasizing interviewing, oral history collection, and historiography. Students will also have the opportunity to examine ethical issues related to historical writing, research, and presentation of materials. In addition, the course will cover the basic skills needed to conduct historical research, including locating, using, and evaluating sources, and will explore how such work can shape and inform community development initiatives at the local level. Readings will be assigned regarding qualitative methods as well as community development. Students will also be trained in oral history collection. Each student will be required to collect at least one oral history for this course.

**SOCI 343: Sociology of Sex and Gender, (3).** An examination of the interaction between sex and gender in contemporary U.S. society, with the focus on how society influences and constructs these two core concepts in both micro and macro realms. Prerequisite: SOCI 131 or upper division standing.

**SOCI 353: Minority Groups, (3).** A sociological examination of the origin and organization of minorities and their effect on society today, with particular emphasis on minorities in the United States. Prerequisite: SOCI 131 or upper division standing.

**SOCI 355: Small Group Dynamics, (3).** An interdisciplinary approach will be used to analyze the social interaction that generates interdependence among the members of a small group. Particular emphasis will be given to theories and activities which focus on the properties and dynamics that are common to all small groups: structure, interaction, self-identity, and common goals. Prerequisite: PSYH 200 or SOCI 131 or upper division standing.

**SOCI 363: Corrections: Institutional and Community Based, (3).** Public policy issues and problems in juvenile and adult correctional settings are explored. An analysis of the modes of treatment/punishment of legal offenders and their families as a vulnerable population group will be made from a historical perspective, rehabilitation approaches, de-institutionalization, and community-based programs. Roles of the correctional officer will be examined in institutional settings, and in probation, parole, and community-based programs. Prerequisites: Open to Criminal Justice majors having upper division (junior) standing and permission from instructor. Open to Psychology and Sociology majors having upper division (junior) standing and permission from advisor and instructor.

**SOCI 372: Social Stratification and Inequality, (3).** An analysis of the social stratification system including the concepts of class, status, prestige, income, and wealth; the impact of social stratification on American society. Prerequisite: SOCI 131 or upper division standing.

**SOCI 381: Special Topics, (F) (3).** A study of selected topics of interest within the discipline of sociology. May be repeated for credit as the topic varies. Prerequisite: junior or senior standing, or permission from instructor.

**SOCI 387: Field Practicum in Sociology, (3).** The field practicum in sociology is designed to give Social Science Majors practical experience in a professional field related to sociology. Field placements will include such diverse experiences as working in the county clerk's office, pre-trial services, social services and other programs. Prerequisites: SOCI 131 and upper division standing.

SOCI 401: Feuds, Fights, Murders and Violence: Issues in Appalachia, (3). Employing the approaches of a number of social scientific perspectives, this course will try to better understand violence, murder, and feuding in Appalachia and the Upland South. This course will consider these issues through the examination of a series of case studies including a murder case in the Ozarks, the Hatfield-McCoy feud in Kentucky and West Virginia, and the violation of honor leading to violence in the South. Cross-listed with APST 401.

SOCI 421: Rural and Urban Sociology, (3). Comparative and interrelated study of urban and rural life considering institutional, social, and economic factors of modern life in cities and rural areas. Examination of Appalachia in particular, in order to compare and contrast that experience with that of rural life generally. Prerequisite: SOCI 131 or upper division standing.

SOCI 423: Sociology of Children, (3). Comparative analysis of children's lives and problems from their own perspective, as well as sociological perspectives. Examination of how childhood is constructed differently across time and space, and by gender, social class, and racial/ethnic backgrounds. Prerequisite: SOCI 131 or upper division standing.

SOCI 460: Sociological Theory, (3). The major classical and contemporary sociological theories which have proved useful in investigating the nature of society are examined. Lecture and discussion in a seminar setting. Prerequisites: SOCI 131 and upper division standing.

SOCI 464: Deviance & Criminology, (3). This course will examine the relationship between deviance, crime, and society. Included in this class is the examination of how deviance and crime are defined, by whom, and why they are seen as problematic; also, the study of important trends in terms of how crime and deviance have changed over time. Prerequisite: SOCI 131 or upper division standing.

SOCI 490: Senior Seminar, (S) (3). Capstone course for graduating seniors in sociology. Students complete a variety of exercises to prepare themselves for employment and / or graduate school, as well as a portfolio of their work in sociology. Students revise a major paper or project which they could then present at a conference or include in their portfolio. Prerequisites: SOCI 131 and graduating senior in sociology.

SOCI 495: Independent Study, (On Demand) (1-3). Independent study and/or research on approved topics. Prerequisite: permission from instructor.

SPAN 111: Elementary Spanish I, (F) (3). Basic Spanish grammar; simple reading and practice in the oral and written language. Students complete course with a novice-low or novice mid-level of proficiency in the Spanish language, as defined by the American Council on the Teaching of (ACTFL) Proficiency Guidelines. Not open to students with two (2) or more years of Spanish study or experience.

SPAN 112: Elementary Spanish II, (S) (3). Continuation of Spanish 111. Students complete course with a novice-mid to novice-high level of proficiency in the Spanish language, as defined by the American Council on the Teaching of Foreign Language (ACTFL) Proficiency Guidelines. Recommended for students with one (1) or more years of high school Spanish. Prerequisite: SPAN 111 or equivalent, with permission from instructor.

SPAN 211: Intermediate Spanish I, (F) (3). A more advanced study of grammatical structure and a more advanced reading and practice in the oral and written language. The students complete course with an intermediate-low or intermediate-mid proficiency in the Spanish language as defined by the American Council on the Teaching of Foreign Language (ACTFL) Proficiency Guidelines.

Recommended for students with two (2) or more years of high school Spanish. Prerequisite: SPAN 112 or equivalent, with permission from instructor.

SPAN 212: Intermediate Spanish II, (S) (3). Continuation of SPAN 211. Students complete course with an intermediate-mid to intermediate-high proficiency in the Spanish language as defined by the American Council on the Teaching of Foreign Language (ACTFL) Proficiency Guidelines. Recommended for students with three (3) or more years of high school Spanish. Prerequisite: SPAN 211 or equivalent, with permission from instructor.

SPAN 213: Spanish for Professional Practice, (S) (1-3). This course will present students with elementary Spanish grammar review utilizing vocabulary, practice exercises, and model dialogues focusing on specific professional practice applications (medical, social work, education). This course is ideal for students with at least one (1) year of elementary Spanish or its equivalent, who wish to focus on Spanish in a professional context. Prerequisite: SPAN 112 or permission from instructor.

SPAN 301: Readings in Spanish, (On Demand) (1). Students read and discuss Spanish language texts chosen by the instructor. Students are encouraged to take this course in conjunction with history courses which deal with topics in the history and culture of Latin America and the Iberian Peninsula. Prerequisite: SPAN 212 or permission from instructor.

SPAN 311: Spanish Grammar/Conversation/Composition, (On Demand) (Minimum of 3 students) (3). Students will learn the necessary grammar in order to compose essays at a level beyond simple paragraphs. Conversations regarding political, cultural, and social issues will be the main focus of class discussions, primarily in the target language. Students will complete course with an intermediate-high to advanced level of proficiency in the Spanish language as defined by the American Council on the Teaching of Foreign Language (ACTFL) Proficiency Guidelines. Recommended for students with four (4) or more years of high school Spanish or for heritage speakers of Spanish. Prerequisite: SPAN 212 or equivalent, with permission from instructor.

SPAN 342: Topics in Spanish Language Studies, (On Demand) (Minimum of 3 students) (3). A Spanish language course for students who have completed SPAN 311. Topics and readings may vary. Recommended for students with four (4) or more years of high school Spanish or heritage speakers of Spanish. Prerequisite: SPAN 311 or equivalent, with permission from instructor.

SPED 321: Survey of Exceptionalities, (F) (S) (3). An introductory course examining characteristics, identification criteria, and teaching modifications related to the education of exceptional learners. Fifteen (15) hours of field experience is required.

THTR 131: Introduction to Theatre, (F) (S) (3). A broad overview of the history of theatre and dramatic literature as well as an introductory study of acting, designing, and directing. (Students do not participate in the productions.)

THTR 180: Theatre Practicum, (F) (S) (1). Actual practical experience in preparing production for Union College Theatre. Students must take the practicum levels in numerical sequence; each level is for 1 credit hour.

THTR 251: Fundamentals of Acting, (3). An introductory level course in acting for the stage. It includes an understanding of acting skills and styles, class exercises in sense memory and character development, improvisation, readings from plays, research into acting theories, and student performances of memorized and rehearsed monologues and scenes.

THTR 280: Theatre Practicum, (F) (S) (1). Actual practical experience in preparing production for Union College Theatre. Students must take the practicum levels in numerical sequence; each level is for 1 credit hour.

THTR 380: Theatre Practicum, (F) (S) (1). Actual practical experience in preparing production for Union College Theatre. Students must take the practicum levels in numerical sequence; each level is for 1 credit hour.

THTR 480: Theatre Practicum, (F) (S) (1). Actual practical experience in preparing production for Union College Theatre. Students must take the practicum levels in numerical sequence; each level is for 1 credit hour.

UCE 100: Union College Experience, (F) (S) (1). The Union College Experience helps incoming freshmen acclimate to campus life and establish valuable connections with faculty, staff, and their cohort. Students will develop the necessary academic skills to ease into their coursework and become successful students. This course will also teach students valuable life skills such as how to manage their time, money, relationships, and social life while maintaining good collegiate academic standing. Students will become familiar with the campus as well as the faculty and staff that will support them throughout their college career.

WELL 131: First Aid and Safety Education, (F) (S) (3). Designed to aid the student in developing an understanding of the basic principles of accident prevention as applicable to the home, the highway, and the school. First aid measures for various injuries and illnesses are discussed and practiced.

WELL 178: Life Choices, (F) (S) (Sum) (3). The study of health-related factors enabling intelligent decisions as they relate to the physical, mental, and social health of self, family, and community at present, and for the future.

WELL 252: Mental Health, (F) (3). Covers basic needs for mental and emotional health. Emphasis on curriculum content and teaching aspects of mental health, and a more thorough understanding by the prospective teacher of mental health issues including stress and lifestyle, gender differences, life/death decisions, suicide, and child abuse. Even years only.

WELL 272: Drugs and Society, (S) (3). The effect of drug use and abuse on the individual and society. Strategies for making intelligent decisions regarding drugs will be discussed. Drugs and the sporting society will also be included. Odd years only.

WELL 275: Foundations of Health Science, (S) (W) (3). This course involves a study of the history, foundational disciplines, and principles that led to the establishment of health education. The role of health education in the present health care system is also studied.

WELL 311: Health Education - K-12, (F) (3). The experiences, activities, and instruction of elementary, middle, and secondary students that lead to intelligent self-direction of health behavior.

WELL 340: Anatomy & Physiology, (F) (3). A study of cellular construction, tissues, organs, and systems of the human body. A study of the functions of these organs and systems as it deals with the health and physical education disciplines.



WELL 350: Administration of Public Health, (S) (3). This course involves a study of the leadership qualities and the basic guidelines for administering a public health program. It includes basic concepts, administrative guidelines, and roles of public health officials, public health laws, and developing a master plan.

WELL 361: Principles of Nutrition, (F) (3). A study of the composition, nutritive value, and utilization of food.

WELL 451: School and Community Health Workshop, (Sum) (3). Reveals the relationship needed between the school and community to promote the total health of the population. Guest speakers are secured from local, district, state, and regional agencies. Activities include field trips to local health, water, and sewage treatment agencies. A wide variety of health-related areas are covered including nutrition, physical fitness, drugs, alcohol, human sexuality, childhood diseases, emotional health, services of health departments, etc.

WELL 461: Nutrition for Special Needs, (S) (3). A course focusing on the nutrition needs through the life cycle, energy metabolism, and therapeutic applications of nutrition.

WELL 475: Critical Areas in Health, (F) (3). Specific health problems confronting society today with particular reference to secondary age students, young adults, and the aged.

WELL 482: Safety Education Workshop, (Sum) (3). Accident problems in the home, in the school, at work, and on the highways are discussed with the purpose of influencing students, parents, and those who teach, by preparing them in various areas of safety. Individuals and groups specializing in a variety of safety areas such as the National Safety Council, American Red Cross, State Fire Marshal, Consumer Advocate Office, Homeland Security, Department of Fish and Wildlife, Kentucky Injury Prevention Research Center, Kentucky Cooperative Extension Agency, and Kentucky State Police will be utilized.

WELL 485: Health Promotion Internship, (F) (Sum) (3-6). A directed field experience in some phase of health, with consideration given to both the needs and interests of the student. Opportunities will be available for practical experiences in the school situation, official health agencies, and voluntary agencies.

WELL 495: Independent Study, (F) (S) (Sum) (1-3). Independent study for advanced students only. Prerequisite: permission from instructor.

WELL 551: School & Community Health Workshop, (Sum) (3). Reveals the relationship needed between the school and community to promote the total health of the population. Guest speakers are secured from local, district, state, and regional agencies. Activities include field trips to local health, water, and sewage treatment agencies. A wide variety of health-related areas are covered including nutrition, physical fitness, drugs, alcohol, human sexuality, childhood diseases, emotional health, services of health departments, etc.

WELL 582: Safety Education Workshop, (Sum) (3). Accident problems in the home, in the school, at work, and on the highways are discussed with the purpose of influencing students, parents, and those who teach, by preparing them in various areas of safety. Individuals and groups specializing in a variety of safety areas such as the National Safety Council, American Red Cross, State Fire Marshal, Consumer Advocate Office, Homeland Security, Department of Fish and Wildlife, Kentucky Injury Prevention Research Center, Kentucky Cooperative Extension Agency, and Kentucky State Police will be utilized.

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Campus Minister & Director of Justice Initiatives

# Administrative Staff

Ta'Leah Adams Circulation Assistant/Library  
Skye Amos Membership Services Assistant  
Glenn Baker Postsecondary Navigator  
Jesse Barton JR Network/System Administrator  
James Becknell Dean of Students  
Alex Bell Assistant Football Coach  
Emily Blevins Coordinator: Institutional Research  
Sharon Boggs Clubhouse Staff Assistant  
Jeree Boles Assistant Athletic Trainer  
David Bowlin Applications Specialist  
Brisja Brewer Administrative Assistant: Nursing and Health Sciences  
Kevin Burton Head Coach: Men's Basketball  
Andra Butler Director of Financial Aid  
Clay Butler Director: Sports Medicine and Drug Educ Program  
Fernanda Camargo Frey Assistant Director: Campus Life  
Robin Carr Coordinator: Payroll and Benefits  
Alexa Carter Membership Services Manager  
Jacob Carter Head Track & Cross-Country Coach  
Brian Clark Assistant Football Coach  
Paige Cobb Senior Admission Counselor/Student Ambassador Programming  
Kayse Cornett Grants and Prospect Development  
Emily Couch Admission Counselor  
Sarah Daniel Assistant Auxiliary Services  
Billie Daniels Director of Library Operations  
Angie Dean Pro Shop Assistant  
Sara Donahue Area Director: Union College Boys & Girls Club  
Nik Dople Technology Support Specialist  
Tom Doyle Head Bowling Coach  
Cannon Edwards Assistant Coach: Men's Basketball  
Mason Elam Assistant Director: Sports Communication & Broadcasting  
Jason Els Director of Housing/Residence Life & Summer Conferencing  
Tricia Estrada Student Support Services Counselor  
Eric Evans Director: Information Technology  
Deloria Faulkner Coordinator: Student Accounts  
Lana Faulkner Administrative Assistant: Athletics & Athletic Training  
Rafael Forti Game Operations & Equipment Manager  
Lori Shae Fuson Engagement Specialist/Lead Navigator  
AJ Gambrel Assistant Athletic Trainer  
Rachel Gaynor Project Director: Title III  
Eboni Gilliam Assistant Coach: Women's Basketball  
Paige Graves Graduate and Online Specialist  
Don Gray Member Services Assistant  
Paula Grubb Educational Studies Specialist  
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Sydney Harris Assistant Athletic Trainer  
Leo Henriquez Head Strength Coach

Phillip Horn Network Engineer  
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 Noah Hughes Assistant Director of Sports Communication  
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 Sam Lee Associate Director: Athletics  
 John Luttrell Head Football Coach  
 Camila Mendes Head Coach: Women's Soccer  
 Lori Miller Graduate and Online Specialist  
 Andy Mills Jr System Administrator  
 Ethan Miniard Graphic Designer  
 Roscoe Moonieyan Athletics Business Manager/Head Tennis Coach  
 Alyssa Morris Head Softball Coach  
 Anthony Murphy Multimedia and Helpdesk Coordinator  
 Jessie Murphy Library Assistant  
 Lisa Napier Head Coach: Cheerleading  
 Maisie Nelson Senior Director: College Communications  
 Toby Nguyen Admission Counselor  
 Leah Olson Content Producer  
 Bart Osborne Head Coach: Baseball  
 Allison Partin Circulation Assistant/Library  
 Danae Phillips Student Success Coordinator  
 Cassidy Pickett Assistant Softball Coach  
 Derrick Reynolds Coordinator: Annual Giving  
 Londa Rice Development Coordinator  
 Angie Riley Administrative Assistant: Academic Affairs  
 Debbie Ross Office Manager  
 Shelby Rudd Assistant Athletic Trainer  
 Jacob Russell Assistant Coach: Football  
 Samantha Sayre Taylor Data Analyst  
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 Bill Sergent Head Golf Coach  
 Regina Shackelford Coordinator: Student Support Services  
 Jonathan Shaw Head Men's Soccer Coach  
 Ashley Smith Academic Affairs Assistant: Registrar  
 Pam Smith, Assistant Auxiliary Services  
 Sara Smith, Director: Accounts Payable  
 Stephanie Smith Associate Dean of Student Success  
 Trevor Smith Technical Support Specialist  
 Londa Sowders Financial Aid Counselor  
 Jay Stancil Director: Strategic Sports Communications  
 Sandra Stevens Academic Counselor

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Avery Thibodeaux Assistant Volleyball Coach  
Hunter Tipton Assistant Baseball Coach  
Sean Trinqué Director: Center for Health and Learning  
Dean Walsh Head Coach: Women's Basketball  
Kirstie Warren Graduate and Online Studies Specialist  
Collin Wesco Assistant Athletic Trainer  
Kori West Assistant Coach: Women's Basketball  
Jackson White Assistant Coach: Baseball  
Jeremy Wise Head Coach: Volleyball  
Gina Witt Financial Aid Counselor

# Union College Faculty

Lisa F. Abner: Assistant Professor of Nursing. A.D.N., B.S.N., M.S.N. Eastern Kentucky University; D.N.P. University of Kentucky

Fidelis M. Achenjang: Professor of Chemistry. M.Sc. The University of London; Ph.D. University of Wyoming

Robert T. Armour: Associate Professor of Criminal Justice. B.S. University of Texas; M.A. University of Memphis; J.D. Southern Methodist University

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