



RANDOLPH COLLEGE

2022-2023

ACADEMIC CATALOG

*One Hundred and Thirtieth Session
Lynchburg, Virginia*

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Academic Calendar, 2022-2023

Undergraduate (UG), Master of Arts in Teaching (MAT),
Master of Arts in Coaching and Sport Leadership (MACSL)
Separate calendar follows with MFA program dates

ALL DATES SUBJECT TO CHANGE

SUMMER 2022

| | | |
|--------------|-----------|---|
| June 22 | Wed | MACSL S0 classes begin (through August 10) |
| June 27 | Mon | End of MACSL "W" period |
| July 29 | Fri | MAT Summer grades due |
| August 4 | Thurs | SUPER and STAR Programs begin |
| August 10 | Wed | MACSL S0 classes end |
| August 15 | Mon | MACSL S0 grades due by 10 a.m. |
| August 18 | Thurs | Move-in for First Year, UG students begins at 9:00 am |
| August 18-21 | Thurs-Sun | New Student Orientation (UG) |
| August 20 | Sat | Move-in for all other UG students |

FALL 2022, SESSION ONE (S1)

| | | |
|---------------|---------|--|
| August 22 | Mon | Fall S1 classes begin |
| August 24 | Wed | End of S1 add period, including Independent Studies |
| August 26 | Fri | Last day for students w/ S4 Incompletes to submit work |
| September 2 | Fri | Last day to drop S1 course or change to pass/fail or audit |
| | | Grades due for S4 Incompletes |
| September 9 | Fri | Last day for seniors to apply to graduate in May 2023 |
| September 14 | Wed | Mid-session; grades due 10 a.m. |
| September 23 | Fri | End of S1 "W" period |
| September 30 | Fri | Spring 2023 course schedules due by noon (all programs) |
| October 6 | Thurs | Faculty exam envelopes due to the Registrar's Office |
| October 7 | Fri | End of S1 classes |
| October 8-9 | Sat-Sun | Reading Day |
| October 10-12 | Mon-Wed | S1 Final Exams through noon Wednesday |
| October 12-19 | Wed-Wed | Fall Break |
| October 17 | Mon | S1 Final Grades due by 10 a.m. |

FALL 2022, SESSION TWO (S2)

| | | |
|----------------|-----------|--|
| October 20 | Thurs | Fall S2 classes begin |
| October 24 | Mon | End of S2 add period, including Independent Studies |
| October 26 | Wed | Last day for students w/ S1 Incompletes to submit work |
| October 28 | Fri | End of full semester "W" period |
| November 2 | Wed | Last day to drop S2 course or change to pass/fail or audit |
| | | Grades due for S1 Incompletes |
| November 3-11 | Thurs-Fri | Academic Advising |
| November 11 | Fri | Mid-session grades due 10 a.m. |
| November 14-17 | Mon-Thurs | Registration for Spring 2023 (all programs) |
| November 18 | Fri | End of S2 "W" period |
| November 23-27 | Wed-Sun | Thanksgiving Break (all programs) |
| November 28 | Mon | Classes resume (all programs) |
| December 8 | Thurs | Faculty exam envelopes due to Registrar's Office |
| December 9 | Fri | S2 classes end |
| | | Research Proposal Defense and Thesis Proposals due (MAT) |
| December 10-11 | Sat-Sun | Reading Days |
| December 12-14 | Mon-Wed | S2 Final Exams through noon Wednesday |
| December 12-16 | Mon-Fri | Student Teaching Make-up days (MAT) |
| December 14 | Wed | Winter Break begins, through January 18 |
| December 15 | Thurs | Residence Halls close at noon |
| December 19 | Mon | S2 Final Grades due by 10 a.m. |

SPRING 2023, SESSION THREE (S3)

| | | |
|------------|-----|------------------------------------|
| January 13 | Fri | January Intensive grades due (MAT) |
| January 15 | Sun | Residence halls reopen for S3 |

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|-------------|-----------|--|
| January 19 | Thurs | Spring S3 classes begin Student Teaching begins (MAT) |
| January 23 | Mon | Last day to add S3 classes, including Independent Studies |
| January 25 | Wed | Last day for students with S2 Incompletes to submit work |
| February 1 | Wed | Last day to drop S3 course, or change to pass/fail or audit Grades due for S2 Incompletes |
| February 14 | Tues | Mid-session grades due 10 a.m. |
| February 21 | Tues | FA23 & SP24 course schedules due, all programs (tentative date) End of S3 "W" period |
| March 6 | Mon | Faculty exam envelopes due to Registrar's Office |
| March 7 | Tues | End of S3 classes |
| March 8 | Wed | Reading Day |
| March 9-11 | Thurs-Sat | S3 Final Exams |
| March 12-22 | Sun-Wed | Spring Break |
| March 16 | Thurs | S3 Final grades due at 10 a.m. |

SPRING 2023, SESSION FOUR (S4)

| | | |
|-------------|-----------|---|
| March 23 | Thurs | S4 classes begin |
| March 27 | Wed | End of S4 add period, including Independent Studies |
| March 29 | Fri | Last day for students with S3 Incompletes to submit work |
| April 5 | Wed | Last day to drop S4 course, or change to pass/fail or audit Grades due for S3 Incompletes End of full semester "W" period |
| April 6 | Thurs | Last day for juniors to declare Independently Designed major Last day for juniors to apply to graduate in May 2023 |
| April 6-14 | Thurs-Fri | Academic Advising |
| April 17 | Mon | Mid-session grades due by 10 a.m. |
| April 17-19 | Mon-Wed | Registration for Fall 2023 (all programs) |
| April 19 | Wed | End of S4 "W" period |
| May 4 | Thurs | Thesis papers due (MAT) |
| May 8 | Mon | Faculty exam envelopes due to the Registrar's Office |
| May 9 | Tues | S4 classes end |
| May 10 | Wed | Reading Day |
| May 11-13 | Thurs-Sat | S4 Final exams |
| May 14 | Sun | Residence halls close at 12:00 noon for non-graduating students |
| May 14-20 | Sun-Sat | Dead Week |
| May 17 | Wed | S4 final grades due by 10 a.m. for all graduating students (except MFA) |
| May 21 | Sun | Commencement Residence halls close at 5:00 pm for graduating seniors |
| May 22 | Mon | S4 grades due by 10:00 am for all non-graduating students |
| May 23 | Tues | MAT Orientation |
| May 24 | Wed | Summer MAT classes begin |

Graduate MFA Program

FALL 2022

| | | |
|--------------|---------|---|
| June 18-27 | Sat-Mon | Summer residency; beginning of the Fall term |
| June 23 | Sun | Class of Spring 2022 Graduation |
| September 23 | Fri | End of "W" period |
| September 30 | Fri | Spring 2023 course schedules due by noon (all programs) |
| November 18 | Fri | Fall classes end |
| December 2 | Fri | Fall grades due |

SPRING 2023

| | | |
|--------------|---------|--|
| Dec 30-Jan 8 | Fri-Sun | Winter residency; beginning of Spring term |
| Jan 7 | Sat | Class of Fall 2022 graduation |
| February 21 | Tues | FA23 & SP24 course schedules due, all programs (tentative) |
| March 24 | Fri | End of "W" period |
| May 26 | Fri | Spring classes end |
| June 9 | Fri | Spring grades due |

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Introduction to Randolph College

MISSION STATEMENT

Randolph College prepares students to engage the world critically and creatively, live and work honorably, and experience life abundantly.

THE COLLEGE AT A GLANCE

Accreditation

Randolph College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate and masters degrees. Questions about the accreditation of Randolph 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 SACSCOC's website (www.sacscoc.org).

Enrollment

97% full-time representing approximately 27 states and territories and 12 countries. 81% of full-time degree-seeking undergraduates reside in College housing.

Faculty: General Information

60 full-time faculty. (95% of full-time faculty hold the PhD or other terminal degree.)

Student:Faculty Ratio is 8:1

Location

Lynchburg, Virginia, a city of 76,000 and a metropolitan area of 252,000 near the Blue Ridge Mountains in central Virginia.

Campus

The main campus comprises 100 acres near the James River in a residential section of Lynchburg.

Curriculum Features

The College offers degrees at the Bachelor's and Master's level, and has 27 major program, 45 departmental and interdisciplinary minors, writing intensive curriculum, pre-professional preparation, and a dual-degree program in engineering.

Special Programs

Joint academic programs with area colleges and universities, study abroad programs, the program in American Culture, and internship programs.

HISTORY: GENERAL INFORMATION

Randolph College was founded as Randolph-Macon Woman's College in 1891 by William Waugh Smith, president of Randolph-Macon College in Ashland, Virginia. Its purpose was to be "a college where our young women may obtain an education equal to that given in our best colleges for young men and under environments in harmony with the highest ideals of womanhood." The Woman's College became independent of Randolph-Macon College in 1953. In 2007 the College implemented coeducation and became Randolph College.

2 INTRODUCTION TO THE COLLEGE

The parent institution was chartered by the Virginia legislature in 1830 and was named for two statesmen, John Randolph of Virginia (1773–1833) and Nathaniel Macon of North Carolina (1758–1837), as a project of the Methodist Church in Virginia. The ethos of Randolph-Macon Woman’s College was ecumenical, and the College was affiliated with the United Methodist Church for decades.

When the College opened for its first session in 1893, William Waugh Smith was president; he served until his death in 1912. His successors have been William A. Webb (1913–1919), Dice Robins Anderson (1920–1931), N. A. Pattillo (Interim, 1931–1933), Theodore H. Jack (1933–1952), William F. Quillian, Jr. (1952–1978), Robert A. Spivey (1978–1987), Linda Koch Lorimer (1987–1993), Lambuth Clarke (Interim, 1993–1994), Kathleen Gill Bowman (1994–2006), Virginia Hill Worden (Interim, 2006–2007), John E. Klein (2007–2013), and Bradley W. Bateman (2013–).

The academic strengths of the College received acclaim early in its history. In 1902 it was the first women’s college to be admitted to the Association of Colleges and Preparatory Schools of the Southern States, and in 1916 it was the first women’s college south of the Potomac to receive a Phi Beta Kappa charter, becoming the Delta chapter of Virginia. It was admitted to membership in the American Association of University Women in 1919.

As national recognition led to growth in enrollment, the campus expanded from Main Hall, listed in the National Register of Historic Places, to the current complex of twenty buildings occupying one hundred acres. The spirit and ideals which called the College into being continue to characterize its life. Building on a heritage of strength, Randolph College continues to challenge students to *vita abundantior*, a life more abundant.

THE CAMPUS

At the center of the campus stands Main Hall, a red brick structure whose towers rise above a tree-shaded hillside. Main Hall, built in 1893, and the other classroom buildings and residence halls, most of which are connected by enclosed corridors called trolleys, form a semicircle convenient to the more contemporary additions to the campus. The Blue Ridge Mountains are 20 minutes away and are visible from the campus, which is located on a 100-acre wooded tract near the James River in a residential section of Lynchburg.

Admission

The College seeks to enroll students who will benefit from the academic program and who will contribute to the shared life of the community. Interested students of all levels should contact the Office of Admission.



UNDERGRADUATE STUDENTS

To enroll, students must have graduated from high school, or received a recognized equivalent of a high school diploma, i.e., General Education Diploma (GED), or must be beyond the age of compulsory school attendance in Virginia (which is 18). In making its selections of students, the Admission Committee carefully considers many aspects of an applicant's credentials, including the quality of the academic record, the courses taken, statements of recommendation, an essay or graded writing sample, out-of-class commitments and activities. Scores on the tests of the College Board (SAT) or the American College Testing Program (ACT) are not required for admission, but a student can submit scores if the student feels it will enhance their application. However, submission of test scores will not serve as a detriment to a student's admission.

Admission and Scholarship Deadlines

The College has a series of notification dates. Each application is evaluated when all necessary materials are received.

Early Action

The deadline for submitting an application for Early Action is November 15 of a student's senior year. SAT or ACT tests are not required for admission, but a student can submit their scores if the student feels it will enhance their application. However, submission of test scores will not serve as a detriment to a student's admission status. A student will receive a decision on a rolling basis when all credentials, including junior-year grades, have been received.

Regular Decision

The deadline for submitting an application for Regular Decision is March 1 of a student's senior year. A student will receive a decision on a rolling basis when all credentials, including first semester senior-year grades, have been received.

Rolling Admission

After the March 1 Regular Decision, students can apply and will be admitted on a rolling basis when all credentials, including first semester senior-year grades, have been received.

Transfers

Transfer students should apply by July 1 for the Fall semester.

Spring Admission

First-year and transfer students who intend to begin study in the Spring semester should apply by December 1.

Enrollment Deposit

Admitted students who are accepted to Randolph College must notify the College of their plans to enroll and submit the initial \$300 enrollment deposit by May 1. After May 1, enrollment deposits will be accepted on a space-available basis. The enrollment deposit is applied as payment toward the new student's account for the upcoming academic year. The deposit is refundable if written notification is received in the Admission Office by May 1. For students entering mid-year, the enrollment deposit is due December 1, and written requests for a refund must be submitted by January 1.

Application Requirements and Procedures

Applicants should submit the Common Application, the Universal College Application or the Randolph College Application, along with the following credentials:

4 ADMISSION – UNDERGRADUATE

1. *Secondary School Transcript*: An official transcript should be sent directly to the Office of Admission by the secondary school.
2. *Official Test Scores*: Randolph College is test-optional for applicants. If a student prefers to submit test scores because the student feels it will enhance their application, they are free to do so. However, submission of test scores will not serve as a detriment to the student's admission status.
3. At least one letter of recommendation from the guidance counselor or from a senior-year teacher (highly recommended).
4. Essay or college-specified option (highly recommended).

It is strongly recommended that applicants visit the College. Appointments for visits should be made in advance by contacting the Admission Office. A student unable to visit the College should speak with a graduate or a current student. The Admission Office will help with arrangements.

Secondary School Preparation

An applicant's secondary school program should include at least four college preparatory courses for each of the four years of secondary school. However, the Admission Committee will give every consideration to an applicant whose course of study does not meet the recommendations outlined below. Recommended distribution of college preparatory courses:

| | |
|--|-----------|
| English | 4 Units |
| Foreign Language | |
| French, German, Greek, Italian, Japanese, Latin, Portuguese, Russian, Spanish | 3–4 Units |
| Three years of one foreign language are recommended, or applicants may offer instead two units of each of two languages. | |
| Mathematics | |
| Algebra I, Geometry, and Algebra II | 3 Units |
| (A student must have successfully completed or be enrolled in Algebra II in the senior year in order for the application to be considered. Students may be presented an additional option to complete a math course provided by Randolph College during the Summer prior to enrollment. If presented with this option, a student must successfully complete this assigned course prior to enrollment.) | |
| History | 2 Units |
| Biology, Chemistry, or Physics, with laboratory work | 2-3 Units |
| Electives from other academic areas of study | 1–2 Units |

Students can receive credit or advanced placement for college-level work completed prior to entering the College. See ***Pre-Entry Credit/Placement Policies*** under ***Academic Procedures and Regulations***.

Home Schooling

The College welcomes applications from students who are home schooled. Each candidate receives careful individual attention, and each application for admission is evaluated when all necessary materials are received.

1. Application for Admission.
 2. Official Transcript. There are two ways a student may submit a transcript: (a) submission of an official transcript from a home school association or (b) submission of the Randolph College official *Home School Transcript* form (available on the College's website) with the curriculum approved through the local school board.*
 3. Official *Test Scores*. Randolph College is test-optional for applicants. If a student prefers to submit test scores because the student feels it will enhance their application, they are free to do so. However, submission of test scores will not serve as a detriment to a student's admission status.
 4. At least one Letter of Recommendation.
 5. Essay or College-specified option (highly recommended).
- * If necessary, the Office of Admission may ask for additional test scores or other documentation, including, but not limited to, a General Education Diploma and/or portfolio, to supplement the regular application requirements.

Transfer Students

An applicant who receives any college credit after receiving a high school degree or GED is considered a transfer student. Requirements for transfer students are listed below:

1. Application for Admission.
2. Essay or College-specified option (optional).
3. Official college transcripts from every college and university attended and a statement indicating the name of your high school and your high school graduation date. Students may submit their high school transcript if they feel it will strengthen their application.
4. High school transcripts are required when an applicant presents less than 30 transferrable college credits.
5. One letter of recommendation from a college official (a faculty member from whom the student has taken a course, an Academic Dean, or faculty advisor (optional)).
6. Transfer applicants must be in good standing with the last institution attended.

The Registrar of Randolph College will evaluate all previous college work for which transfer credit is requested in consultation with appropriate faculty. See ***Transfer of Credit Policy***. To be eligible for a degree from the College, transfer students must take at least 52 credit hours of their work at the College and must earn a cumulative grade point average of 2.0 (rounded) in all work for which a letter grade is recorded at Randolph College.

International Students

The College encourages applications from international students and offers scholarships for qualified applicants. International students use the same admission application forms as candidates from the United States; however, they must submit standardized test scores from one of the following:

- SAT or ACT
- Test of English as a Foreign Language (TOEFL) with a minimum of 79 internet-based
- International English Language Testing System (IELTS) with a minimum of 6.5
- Pearson Test of English Academic (PTE) with a minimum of 54
- Duolingo with a minimum of 100



GRADUATE STUDENTS

Master of Arts in Teaching Candidates

1. Graduate Application for Admission.
2. Personal statement focusing on the rationale for entering the program.
3. Official transcripts from all undergraduate institutions attended.
4. A minimum GPA of 3.0 (rounded) on a 4.00 grading system in major or field of interest.
5. Results of professional teachers' examinations prescribed by the Virginia Department of Education.
6. Two Letters of Recommendation.
7. Scheduled interview with the Director of the Educator Preparation Program.

Students who hold a bachelor's degree from another institution may participate in the MAT Program. Contact the Education Department for details and an evaluation of undergraduate transcripts for licensure. Additional coursework may be required for general licensure outside of the endorsement areas in curriculum and instruction or special education.

See **Non-Degree Programs for information regarding application for teacher licensure only.*

Master of Arts in Coaching and Sport Leadership Candidates

Candidates for the Master of Arts in Coaching and Sport Leadership program must submit the following to the Admission Office:

1. Graduate Application for Admission.
2. Cover letter/Statement of Purpose: 2-3 pages on professional goals and reasons for seeking admission including short- and long-term goals.
3. Unofficial transcripts from all undergraduate or graduate institutions attended. Official transcript will be required upon acceptance to the program.

6 ADMISSION – GRADUATE

4. A baccalaureate degree with a cumulative GPA of at least 2.75 on a 4.0 scale is required; applicants with an undergraduate GPA of lower than 2.75 may still apply and be provisionally accepted.*
5. Two letters of recommendation.
6. TOEFL or IELTS Scores (international students only).
7. Resume or CV: including background, sport participation (if applicable), honors/awards, and employment and/or experience.
8. \$40 application fee.

The program accepts applications from February 1 - June 1. The GRE is not required. TOEFL scores are required for international students.

Admission preference is given to individuals with coaching experience. All students need access to sports teams and/or athletes on a regular basis given the applied nature of many course assignments and practicum requirement.

** To remain in the program, provisional admits must achieve a 3.0 GPA by the close of their first 7-week session. Admission to the program is highly competitive.*

Master of Fine Arts Candidates

Candidates for the Master of Fine Arts in Creative Writing should submit the following to the Admission Office:

1. The *MFA Application* form.
2. Cover Letter/Statement of Purpose: This 2-3 page letter indicates the applicant's purpose in applying to the program, including short-term and long-term writing goals.
3. Unofficial transcripts from all undergraduate or graduate institutions attended. Official transcripts will be required upon acceptance into the program.
4. A minimum GPA of 3.0 (rounded) on a 4.00 grading system in major or field of interest.
5. Contact information for two references.
6. A Writing Sample in Applicable Genre. Fiction sample: 15-20 pages in length, comprising one or more short stories or a book excerpt. Poetry sample: 8-10 pages in length, comprising one or more poems. Nonfiction sample: 15-20 pages in length, comprising one or more short essays or a book excerpt.
7. TOEFL or IELTS Scores (international students only).
8. Resume or CV (Optional).
9. Application Fee: \$40.



NON-DEGREE STUDENTS

Certificate of Major

The Certificate of Major Program enables a student to earn, in effect, a second major in order to develop background needed for a career change, prepare for graduate school in a new field, or pursue a new interest in depth through fulfillment of the requirements of the major field. Applicants must have completed a bachelor's degree. The College awards a Certificate of Major upon completion of a minimum of 32 credit hours at the College and upon fulfilling of all the requirements of the major program. An applicant to the Certificate of Major Program must submit the following:

1. Application for Admission.
2. At least one Letter of Recommendation.
3. Official college/university transcripts from every college or university attended.
4. Interview with an admission counselor (alternative arrangements can be made for applicants who live some distance from campus).
5. A statement of personal and academic goals.

Community Students and Auditors

A person who wishes to take courses at the College but is not planning to work toward a degree may apply to be a community student if he or she has interest in a particular course. Contact the Registrar's Office or look under *Registration Information* for

Non-Degree Students on the Registrar's website to obtain a Special Student Application and registration information. In addition, auditors must complete an *Audit* form and obtain the permission of instructor to audit a course.

Dual Enrollment Program for High School Students

A secondary school student from the Lynchburg area who has an accelerated secondary school program may also enroll in specific courses at the College under the Dual Enrollment Program. Dual enrollment means that the student's courses count toward the high school degree program and may be transferred to a college program. Prospective students should contact the Registrar's Office or look under Registration Information on the Registrar's website for a Special Student Application that must be accompanied by a high school transcript and a recommendation from the high school principal.

High School Students Not Dually Enrolled

A secondary school student from the Lynchburg area who wishes to enroll in a class that does not need to be part of the student's high school program may apply as a special student. Prospective students should contact the Registrar's Office or look under Registration Information on the Registrar's website for a Special Student Application. A copy of the student's high school transcript is required.

Co-Enrollment Program for Central Virginia Community College Students

In partnership with Central Virginia Community College (CVCC), a degree-seeking student in good standing at CVCC is eligible to take up to one class per semester (Fall and/or Spring) at Randolph College free of charge as part of the co-enrollment agreement between the institutions. The co-enrollment program allows a student to be enrolled at both institutions simultaneously. To participate in the program a student needs to contact the Office of Admission, complete an application and submit an enrollment verification form. Randolph College reserves the right to change eligibility requirements as necessary.

Teacher Licensure Only

Students who have already completed a bachelor's degree and are seeking a Virginia Teaching License can apply to the Teacher Licensure Program. An individual interested in licensure should contact the Director of the Educator Preparation Program before beginning an application. Students may also complete prerequisite coursework for a graduate program. An applicant to Teacher Licensure must submit:

1. Application for Admission.
2. One Letter of Recommendation.
3. Official college/university transcripts.
4. A statement of personal and academic goals.
5. A minimum GPA of 2.5 on a 4.00 grading system in major field of interest.
6. An interview with a faculty member in the Education Department to review requirements for Teacher Licensure and entrance criteria for the Teacher Licensure Program, as described in the *Academic Programs and Courses of Instruction* section, under *Education*.



SUMMER STUDENTS

The College offers several undergraduate and graduate academic opportunities during the Summer, including travel courses, Summer research programs, internships, and seated and online coursework. Summer courses are open to Randolph College degree-seeking students and to non-degree seeking students. For Summer tuition and fee information, see the *Tuition, Fees, and Expenses* section of this catalog.

Degree-seeking Randolph College Students

Degree-seeking Randolph College students are not required to apply to take Summer courses, and may register for them as soon as Summer registration opens in the Spring semester. Degree-seeking, graduate students in the Master of Arts in Teaching program should consult with their program adviser for information about registering for graduate courses during the Summer.

Applying for Summer Online Courses

Non-degree seeking students interested in taking Summer courses at either the graduate or undergraduate level must complete the *Special Student Application*, available on the Registrar's webpage at www.randolphcollege.edu/registrar. Non-degree students applying to take online classes are required to provide permanent address information as well as residency location while engaged in coursework. A legally recognized form of photo ID is also required. Access to student computing resources and course management services will not be granted, nor will registration be permitted, until all application materials, including address information and photo ID, have been received. Students participating in courses through the Acadeum Consortium should consult with the Registrar at their home institution for registration information.

Tuition, Fees, and Expenses

GENERAL POLICIES

Fees are payable at the Business Office on the dates indicated below. This catalog statement is considered sufficient notice of the time and terms of payment. As a reminder, however, statements are posted electronically for the convenience of families and students before each payment is due.

No student may be enrolled in or attend classes until all fees due at the time have been paid, nor will an official transcript be issued on behalf of a student having unpaid bills. Only students who are properly enrolled and have paid room and board fees may occupy residence hall rooms on campus. Failure to keep accounts current may jeopardize participation in room draw and registration for the next semester.

No senior who has an unpaid balance as of April 30 prior to commencement will receive a diploma until their balance is paid. The College will, at its option, send a delinquent account to a collection agency and will add to the balance any costs of collection incurred.

Checks returned to the College for any reason will be added to the student's account balance. In addition, the current returned check fee will be added to the account. These transactions will be reflected on the next statement sent and will be due upon receipt of that statement. Once the check is returned, the Business Office will not accept checks as payment of tuition and fees, even if the student wishes to use someone else's check.

Payments not received by the due date are subject to a monthly late fee of 2% of the past due balance. Such fees are subject to change at the discretion of the Board of Trustees.

Annual tuition payment plans are available for parents who wish to spread payments over the respective academic year. Information about these plans is mailed directly to parents or students upon request to the Admission Office or the Financial Aid Office. If fees cannot be paid as stipulated in the schedule, or by loans or other sources, one of these plans should be seriously considered, since all fees are due and payable as stated.

A completed and returned Educational Benefit Account Agreement and College's Initial Disclosure (EBAA) is required of all students and their parent(s) or guardian(s) prior to matriculation. This form will remain on file in the Business Office for the duration of the student's enrollment. By completing this form, the student and parent(s) or guardian(s) agree to pay all financial obligations that are due to the College. This form grants permission to the College to discuss financial matters regarding tuition accounts with all parties on the EBAA.



UNDERGRADUATE TUITION, ROOM, AND BOARD

For Full Academic Year

| | Resident | Non-Resident |
|----------------------------|-----------------|---------------------|
| Tuition | \$27,270 | \$27,270 |
| Residence (Room and Board) | <u>\$11,430</u> | |
| Annual Charge | \$38,700 | \$27,270 |

For Students Entering at Mid-Year

| | Resident | Non-Resident |
|----------------------------|-----------------|---------------------|
| Tuition | \$13,635 | \$13,635 |
| Residence (Room and Board) | <u>\$ 5,715</u> | |
| Second Semester Charge | \$19,350 | \$13,635 |

Payment Schedule

| | | |
|--|-----------|-------|
| Enrollment Deposit | \$300 | \$300 |
| <i>Required only of NEW students and due May 1</i> | | |
| Fall semester payment due | August 1 | |
| Spring semester payment due | January 1 | |



GRADUATE PROGRAMS

Master of Arts in Teaching (MAT)

Graduate education students will be charged \$390 per credit hour for credit courses and \$175 per credit hour for auditing a course. During the Fall and Spring semesters, room and board is charged only if the student resides on campus. Students may also live on campus during the Summer for a weekly rate, based on current fees, as posted for the Summer. For information, contact the Office of the Dean of Students.

| | |
|---|--------------------------|
| Per credit hour (for-credit courses) | \$ 390 |
| Auditing fee (per credit hour) | \$ 175 |
| Fall 2022-Spring 2023 Room and Board | \$5,715 per semester |
| Summer room rates | current room rates apply |
| Health and counseling fee (Fall and Spring only) | \$ 50 per semester* |
| Accident insurance (Fall and Spring only) | \$ 58 per semester** |
| Technology fee (all students; Fall and Spring only) | \$ 225 per semester |
| Graduation fee (all students; one-time only) | \$ 200 |

**Health and counseling fee is applicable only to commuter students during the Fall and Spring semesters (not Summer).*

***Accident insurance fee is not applicable to students enrolled in the online-only program. This fee is subject to change.*

Master of Arts in Coaching and Sport Leadership (MACSL)

The program requires a total of 36 hours and takes place in five sessions of seven weeks each (one session in Summer and two each in Fall and Spring). Students are required to take 7 hours during the Summer, 14 hours in the Fall (7 per session) and 15 hours in the Spring (7 hours in the first session and 8 hours in the second session). The program may be pursued entirely online or in person at the college. Billing is divided into 3 periods per academic year.

Graduate assistants pay reduced tuition and receive room and board, when available, at no cost to the student. For information about the graduate assistant program, see the Master of Arts in Coaching and Sport Leadership program in the **Academic Programs** section of this catalog. All other students may live on campus during the Fall and Spring semesters, and pay the same room and board rate as undergraduate students for the academic term. Students may also live on campus during the Summer for a weekly rate, based on current fees, as posted for the Summer. For information, contact the Office of the Dean of Students.

| | |
|---|----------------------|
| Per credit hour (graduate assistants) | \$ 525 |
| Per credit hour (non-graduate assistants) | \$ 575 |
| Fall 2022-Spring 2023 Room and Board (non-graduate assistants only) | \$5,715 per semester |
| Health and counseling fee (Fall and Spring only) | \$ 50 per semester* |
| Accident insurance (Fall and Spring only) | \$ 58 per semester** |
| Technology fee (all students, Fall and Spring only) | \$ 225 per semester |
| Graduation fee (all students; one-time only) | \$ 200 |

**Health and counseling fee is applicable only to commuter students during the Fall and Spring semesters (not Summer).*

***Accident insurance fee is not applicable to students enrolled in the online-only program. This fee is subject to change.*

Low-Residency Master of Fine Arts (MFA)

Fees for the low-residency Master of Fine Arts program are as follows:

| | |
|------------------------------------|------------------------|
| Tuition for 14-16 credits | \$8,980 per semester |
| Audit Fee | \$ 575 per credit hour |
| Student Fee | \$ 350 per semester |
| Residency Fee | \$ 285 per semester |
| Semester Tuition and Fees Total | \$9,615 per semester |
| Summer Housing (optional) | \$ 225 per residency |
| Winter Housing estimate (required) | \$ 995 per residency |

Two-year program tuition and fee costs are estimated at \$39,235 and are based on the tuition and fees above plus a fifth residency fee of \$775 (graduation residency fee). In addition, there are housing costs for the Summer and Winter residencies.



FEES

The following applies to Undergraduates only except where otherwise noted.

Mandatory Fees

Orientation Fee

All first-time, first-year, and transfer students will be assessed an Orientation Fee of \$200 in their Fall tuition bill that partially offsets the costs of materials, and programming for parents and the students, and student meals during Orientation Week.

Student Activities Fee

Annual Fee: \$210

Technology Fee

Fee charged to all students to cover computer lab and network connectivity. For students who would like a land line in their room, the Information Technology (IT) department will lease a VOIP phone for \$150 per year and it will be charged to the student's tuition account. Return of the phone to the IT department in working order at the end of the year will result in \$100 of that deposit being credited back to that same account. Residential, Commuter and Online Students (annual): \$450

Graduation Fee

All graduates (both bachelors and masters) are charged a graduation fee of \$200 in the term in which they are scheduled to graduate. The fee is used to partially offset costs associated with Commencement, including the graduation robe, cap, and tassel, printing of diplomas and programs, speaker travel and accommodations, etc.

Course-Related Fees

Course Overload Fee

Students taking in excess of 20 credit hours will be billed \$450 per additional credit hour

Music Performance Fees

The music performance lesson fee is waived for music minors. If the student drops the music minor, music performance lesson fees will be charged retroactively for the semester. Music Lessons (1 credit): \$325 per session

Art Fees

Students enrolled in art classes may be charged an art fee in their tuition bill that covers the cost of materials during the session ranging from \$50 to \$150 per course. Students should consult the professor for the fees associated with their particular course.

Physical Education Activity Courses Fees

Students enrolled in certain physical education activity classes will be charged an additional fee. Current courses that have such a fee are fencing, rock climbing, and scuba diving. Students should consult the professor for the fees associated with their particular course.

Student Teaching (Undergraduate)

For Teacher Licensure Only students or for students who require a ninth semester solely for the purpose of completing student teaching. Rate: \$4200 (12 student teaching hours).

Teacher Licensure Only Fees

For program description, see ***Teacher Licensure Only*** under ***Admission***. Rate: \$782.50 per credit hour.

Study Abroad Fees

| | |
|--------------------------------|---|
| <i>Affiliated Programs</i> | \$1,500 per semester \$2,500 per academic year |
| <i>Non-affiliated Programs</i> | \$ 250 per semester |

Off-Campus Study Programs—Domestic and Study Abroad

Fees for these programs vary. Students interested in off-campus programs, either study abroad or domestic, should consult with the Associate Provost regarding applicable fees for each program.

Student Insurance

Health Insurance

The College requires all full-time students to be covered under a health insurance plan. Students who already have health insurance should review their existing policy to determine whether the coverage will be available in Lynchburg. If a student does not have health insurance coverage, the College offers an optional Health Insurance Plan for a yearly fee. The College automatically enrolls all students in the College Health Insurance Plan and the charge is placed on the student's account for the July 1 billing. Students covered under another health insurance plan are required to waive the optional College plan. If a student does not waive the optional College plan, the fee will remain as a charge on the student account. If the plan is waived, the fee is removed. The deadline to waive the insurance plan is August 15.

Student Accident Insurance

All full-time Randolph College students are covered by an Individual Student Accident Policy. This policy assures that if a student is injured during the academic year, there is up to a \$5,000 accidental medical benefit in place. The mandatory plan is a nominal charge of \$58 per semester charged to the student's tuition account. Since unforeseen illnesses and accidents do happen, Randolph College is working to facilitate a student's academic success by not having to worry about unforeseen medical bills due to lack of coverage.

Incidental Fees

Parking Registration Fees

Parking registration fees are nonrefundable once the academic years starts. Parking penalties are in addition to the normal registration fee.

| | |
|---|------------------|
| First-year student | \$250 |
| Sophomore | \$200 |
| Junior | \$150 |
| Senior/Graduate | \$100 |
| Commuter (graduates and undergraduates) | \$100 |
| Parking Tickets | \$ 40 per ticket |

Residence Damage Policy

Charges for damages to residence hall rooms and common-use areas within the halls are applied to students' accounts upon notification by the Residence Life Office. Damages to individual residence hall rooms and their furnishings will be charged to the room occupants unless the identity of others responsible for the damage is known and the charges are paid in full by these individuals. Charges for damages to common-use areas and furnishings therein will be assessed equally to all residents of the residence hall unless the identity of individuals responsible for the common-use area damage are known and those individuals pay for the damages in full.

Online Textbook Purchases (Undergraduate Only)

Each enrolled student is eligible to charge up to \$500 for textbooks through our virtual online bookstore to their tuition account in the first two weeks of each semester. Charges will be applied during the third week of classes and will be due within the next billing cycle.

Student Medical Costs (Graduate and Undergraduate)

The services of the College nurse practitioner, nurses, and counselors, and the use of the Health and Counseling Center are provided to residential students without additional cost. Non-residential, full-time students are charged a mandatory, non-refundable fee of \$50 per semester for Health Center and Counseling Center services. Patients are expected to pay for medications, laboratory work and, if additional medical attention is desired, for such fees as those of the hospitals, urgent care centers, surgeons, special nurses, and/or consulting physicians.

Transcript Fees (Graduate and Undergraduate)

| | |
|--------------------|---------------------------------|
| Per Transcript | \$5 |
| Rush Service | additional \$10 per order |
| Overnight Delivery | additional \$45 per destination |

All charges are subject to revision with changes in vendor costs and/or fees charged by overnight carriers.



PART-TIME, NON-DEGREE, AND SUMMER STUDENTS

All part-time students must pay for their classes at the time of registration, prior to class attendance. Part-time students who increase their hours during the add/drop period will be billed for the additional hours at the end of the add/drop period with fees payable upon receipt of the bill. Any reduction of hours will be credited per the College refund policy.

Part-Time Students

Part-time, Degree, Nonresident fees are \$1,136 per credit hour. This amount is also applicable to fifth year undergraduate students and nontraditional undergraduate students (age 24 and over).

Auditors

With prior permission of instructor, a special, part-time, non-degree, non-resident student may audit courses, with the exception of courses in art studio, music performance lessons, physical education activity courses, and science courses with required laboratory. Rate: \$175 per credit hour.

Certificate of Major

For program description, see *Certificate of Major* under *Admission*. Rate: \$568 per credit hour.

Dual Enrollment of High School Students: Fees

This fee applies to all high school students who enroll for one or more courses which will transfer back to their high school and count towards graduation. Rate: \$150 per credit hour.

Special, Part-time, Non-Degree, and Nonresident Students

A student will be allowed to take up to 6 hours per semester for this special fee. In addition, only 15 hours at this fee may be used towards a degree at Randolph College. If the student takes more than 15 hours at this fee, the difference in fees (in effect at the time the course was taken) would have to be paid or the extra hours not used towards the degree. A student may transfer these credits to another institution at any time at no additional charge beyond the normal transcript fee in effect at the time the transcript is sent. Rate: \$350 per credit hour.

Joint Program with CVCC

A student who is registered at Central Virginia Community College may register for one course per Fall or Spring semester at Randolph College at no charge.

Summer Fees

| | |
|------------------------------------|-----------------------|
| <i>Independent Study</i> | \$150 per credit hour |
| <i>Experiential Learning</i> | \$150 per credit hour |
| <i>Online Undergraduate Course</i> | \$375 per credit hour |



WITHDRAWAL AND REFUNDS

These policies pertain to the effect of withdrawal on student charges. For information on the implications of withdrawal on financial aid, see the “Withdrawal and Financial Aid Adjustments” section of the Scholarships and Financial Aid chapter of this catalog. For information on academic withdrawal from courses and/or the College, see the “Withdrawal from Course(s) and/or the College” section of the Academic Policies, Procedures, and Resources chapter of this catalog.

Undergraduate, MAT, and MACSL Programs

Students who withdraw before a semester begins or on the first day of classes will be given a full refund of all charges (for new undergraduate students, less the enrollment deposit). The withdrawal date is established by the date of receipt by the Associate Provost of written notice of intent to withdraw.

The student activities fee, technology fee, and any other miscellaneous fees are not included in the refund policy calculations. There is a \$100 processing fee charged for all students who withdraw during the first four weeks of a semester. Refunds for students withdrawing from programs with outside institutions will be calculated based on the other institutions’ guidelines. Refund requests must be made in writing to the College’s Business Office.

If withdrawal occurs, tuition, room and board are refunded based on the school week of the semester within which the student withdraws. For purposes of calculating refunds, a school week is defined as beginning on Monday and ending on the following Sunday. All refund calculations take into account any charges that are unpaid at the time of withdrawal. The schedule of reductions for tuition and room and board follows. There will be no exceptions to this policy.

| | |
|--|--|
| Within the first or second week of the semester | 90% reduction of the semester’s tuition, room, and board |
| Within the third or fourth week of the semester | 50% reduction of the semester’s tuition, room, and board |
| Within the fifth to seventh week of the semester | 25% reduction of the semester’s tuition, room, and board |
| After the seventh week of the semester | no reduction of fees |

MFA Program

MFA courses can be dropped before the first day of class with a 100% refund. The withdrawal date is established by the date of receipt by the Associate Provost of the College of written notice of intent to withdraw. For purposes of calculating refunds, a school week is defined as beginning on Monday and ending on the following Sunday. If dropped during the first school week of the term, beginning at residency, the student will be reimbursed 90% of tuition. If dropped sometime in the second school week of the term, the student will be reimbursed 50% of tuition. Beyond the second school week, there is no reimbursement. All refund calculations take into account any charges that are unpaid at the time of withdrawal. The student fee, residency fee, housing fee, and any other miscellaneous fees are not included in the refund policy calculations.

Summer Sessions

Undergraduate and MAT Programs: Summer

Courses can be dropped before the first day of class with a 100% refund. Courses dropped within the first 3 class meeting days will not appear on the Randolph College transcript and students will receive a 90% refund; withdrawals between the fourth and seventh class meeting days will be noted on the transcript with a grade of "W" and students will receive a 50% refund. After the seventh class meeting day, students may no longer withdraw from the course except for documented medical or extenuating circumstances and no refunds are available.

MACSL Program: Summer

MACSL students who withdraw before a session/semester begins or on the first day of classes will be given a full refund of all charges less the enrollment deposit. The withdrawal date is established by the date of receipt by the Associate Provost of the College of written notice of intent to withdraw. For purposes of calculating refunds, a school week is defined as beginning on Monday and ending on the following Sunday. All refund calculations take into account any charges that are unpaid at the time of withdrawal. The student activities fee, technology fee, and any other miscellaneous fees are not included in the refund policy calculations. Refund requests must be made in writing to the College's Business Office. If withdrawal occurs, tuition, room and board (if applicable) are refunded based on the school week of the session/semester within which the student withdraws. The schedule of reductions for tuition and room and board follows. There will be no exceptions to this policy.

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|---|---|
| Within the first week of the session/semester | 90% reduction of the session's tuition, room, and board |
| Within the second week of the session/semester | 50% reduction of the session's tuition, room, and board |
| Within the third or fourth week of the session/semester | 25% reduction of the session's tuition, room, and board |
| After the fourth week of the session/semester | no reduction of fees |

MFA Program: Summer

The policy in the section above applies during summer.

Extraordinary Room and Board Adjustments

Should the College decide to move to online learning and close its residence halls at any time due to a pandemic or other circumstances requiring students to move out of residence during a semester, room and board refunds will be calculated as follows. In order to calculate a student's room and board refund, the student's College financial aid package will be calculated on a weighted average basis across tuition and room and board sticker prices.

This methodology is necessary to reflect the actual net cost of room and board to each family, which is different for every student based upon their financial aid package. Upon determining the student's net room and board charge after their weighted average of financial aid is applied in this manner to room and board, the refunds will be prorated based on the date the College closes its residence halls. Additionally, the College may, at its discretion, reduce the calculated refund for certain costs related to the provision of room and board which it cannot recover from its food service provider or otherwise.

Scholarships & Financial Aid

Randolph College recognizes the challenges families face when choosing the appropriate college or university for their students and makes every effort to support each family to the fullest extent. Access to a quality liberal arts education is paramount to our mission. Each year, the College awards scholarships, federal need-based grants, campus employment, and low interest student loans. All students are encouraged to complete the *Free Application for Federal Student Aid (FAFSA)* at www.studentaid.gov, because it establishes eligibility for Federal grants and low interest student and parent loans. The Financial Aid Office provides applicants with information regarding payment and loan alternatives. Student financial aid awards are credited to accounts with 50% of the award credited to Fall semester charges and 50% to Spring semester charges.



SOURCES OF AID

Need-Based Grants

The *Free Application for Federal Student Aid (FAFSA)* serves as the application for most grant assistance programs; exceptions are noted below.

Federal Pell Grants

These are need-based federal government non-repayable grants up to \$6,495 (estimated) per year available to qualifying students. Eligibility is based upon a federal formula determination of a family's ability to pay for college.

Federal Supplementary Educational Opportunity Grants (SEOG)

These are need-based non-repayable grants up to \$4,000 per year available to qualifying students with exceptional financial need, and is subject to allocated funding from the Department of Education.

Virginia Tuition Assistance Grants (VTAG)

These non-repayable grants up to \$4,000 (estimated maximum) are available to Virginia residents who attend the College as full-time degree candidates. The VTAG was established to help reduce the difference between the tuition at private and state-supported educational institutions in the Commonwealth. A student does not have to be eligible for need-based aid to receive a VTAG. Applications are available online or can be requested by contacting the Financial Aid Office. It is not necessary to reapply for this grant every year. The amount of this grant is subject to change based on state appropriations. VTAG eligibility requirements can be found at <https://www.schev.edu/docs/default-source/tuition-aid-section/financial-aid/vtag/tagapplication2122a.pdf>.

Other State Assistance

Several states offer state grant programs that can be used for attendance at an out-of-state college. Applications should be completed in accordance with state deadlines.

Student Employment

Need-based financial aid recipients may be offered campus job opportunities. Off-campus community service jobs are also available. Funding is provided through the College and the Federal College Work-Study Program. A limited number of positions are available to students who have not demonstrated financial need. A typical campus job assignment involves 2-10 hours per week.

Parent and Student Direct Loans

Most student and parent loans are made directly with the U.S. Department of Education and are referred to as Direct Plus Loans. Direct Plus Loans are low-interest loans for students and parents to help pay for the cost of a student's education after

high school. The lender is the U.S. Department of Education, though most of the contact will be with a loan servicer. With Direct Plus Loans, families borrow directly from the federal government and have a single contact for everything related to repayment, even if they receive Direct Plus Loans at different schools. Students have online access to their Direct Plus Loans account information through the loan servicer's website where they can choose from several repayment plans which can be switched if their needs change.

As with all federal student aid, students qualify for Direct Plus Loans by filling out the *Free Application for Federal Student Aid (FAFSA)*. The information on the *FAFSA* is transmitted to the schools that are listed on the application, and those schools use the information to assess financial need for student aid. Direct Plus Loans are generally awarded as part of a larger award package which may contain other types of aid as well, to help families meet the costs of going to college. For more information, go to www.studentloans.gov or contact the Financial Aid Office.

The Direct Loans Program offers the following types of loans:

Subsidized: for students with demonstrated financial need, as determined by federal regulations. No interest is charged while a student is in school at least half-time, during the grace period, and during deferment periods.

Unsubsidized: not based on financial need, interest is charged during all periods, even during the time a student is in school and during grace and deferment periods.

PLUS: loans for the parents of dependent students and for graduate/professional students. PLUS loans help pay for education expenses up to the cost of attendance minus all other financial assistance. Interest is charged during all periods.

Other Student and Parent Loans

Plitt Loan (PLITT): This student loan, funded by the Clarence Manger and Audrey Cordero Plitt Trust and the College, helps families pay for college in regular non-deferred installments over an extended period of time. The student is the borrower with a parent/relative cosigner. Qualifying applicants may apply for a maximum of \$10,000 per year. Funds are limited and eligibility determination includes credit reviews as well as an analysis of the applicant and cosigner's debt/income ratio.

Private Loans: Private loans represent another option for paying the cost of a student's college education. Lenders are banks or other lending institutions that have agreed to offer loans to defray expenses. Students will likely need a cosigner in order to obtain a private loan. Interest rates can be fixed or variable, and repayment terms can vary as well. Borrowers are encouraged to exhaust their eligibility for federal Direct Plus Loans before considering private loans as a financing option.

Financial Aid for International Students

The College offers merit-based aid to eligible international students who have been admitted to the College. Award amounts are based on grades in secondary school and test scores. All international students are required to show adequate financial resources for attending Randolph College.

Financial Aid for Students Studying Abroad

If the College agrees to accept credit from an affiliated study abroad program toward the Randolph College degree, it will process federal Title IV financial aid on behalf of the student or sign a government-approved consortium agreement allowing the other approved college or university to process such assistance. Most honor scholarships are applicable when the student is in attendance at certain colleges or universities with which the College has a formal affiliation or exchange program.

Veteran Affairs Benefits and Eligibility

Prior to funding, Post 9/11 GI Bill (Chapter 33) or Veteran Readiness and Employment (Chapter 31) recipients must produce the Veterans' Affairs' Certificate of Eligibility before the first day of class in order to enroll. In order to receive funding in a timely manner, the following needs to take place.

1. Apply and be admitted to Randolph College in an eligible, degree seeking program
2. Submit a copy of VA's Certificate of Eligibility to the Financial Aid Office.

In addition to VA benefits, students will be considered for institutional, state, and federal aid. VA benefits may arrive after the semester has begun, but that will not prevent student from enrolling. Students will not be assessed late fees or be required to secure additional funding until VA funds arrive. In addition, students will not be denied access to any school resources.

The Virginia State Approving Agency (SAA) is the approving authority of education and training programs for Virginia. The office investigates complaints of the GI Bill beneficiaries. While most complaints should initially follow the school grievance policy, if the situation cannot be resolved at the school, the beneficiary should contact SAA via email saa@dvs.virginia.gov.

Randolph College is approved to offer GI Bill® education benefits by the Virginia State Approving Agency. The Virginia State Approving Agency (SAA) is the approving authority of education and training programs for Virginia, which offers the following statement: "Our office investigates complaints of GI Bill® beneficiaries. While most complaints should initially follow the school grievance policy, if the situation cannot be resolved at the school, the beneficiary should contact our office via email saa@dvs.virginia.gov."



HOW TO APPLY

The student's application for admission serves as an application for all scholarships and merit awards. Although the application deadline is March 1, first-year students are encouraged to apply for admission early in order to be given full consideration for all scholarships.

Scholarships Based on the Application Process

For new first-year and transfer students, academic scholarships are awarded based on a wide range and combination of criteria, such as academic achievement, leadership experience, community involvement, and special talents. When a student is the recipient of an honor scholarship or merit award and it is determined that there is financial need, the honor scholarship or merit award is incorporated as a part of the comprehensive financial aid award.

A student may be granted a maximum of one year on approved leave of absence and still retain the award upon returning with confirmation that the renewal criteria as noted in the original award letter were met. These scholarships are awarded to first-year and transfer students for full-time attendance provided the student remains in good standing. First-year students may defer their enrollment for a semester or up to one year and retain their eligibility for merit-based and other institutional incentives or awards at the discretion of Randolph College.

Institutional award offerings are reviewed on an annual basis and some awards may not be offered after a student has indicated their plans to defer enrollment. In order for a student to be eligible for their awards after deferring their admission, the student may not enroll at another college or institution without approval from the Office of Admission at Randolph College.

Need-Based Aid and Determination of Need

Students should complete the *Free Application for Federal Student Aid (FAFSA)*. This application should be completed and submitted to Federal Student Aid after October 1, but before March 1 for incoming students and by April 1 for continuing students. Include the College's federal code number (003734).

Students may apply online at www.studentaid.gov or on the phone app. When applying, both the parent and student must create a Federal Student Aid Identification (FSA ID) at www.studentaid.gov/fsa-id/create-account/launch. Families with special expenses/circumstances should provide written documentation directly to the Financial Aid Office. Requests for additional funds are subject to approval by the Office of Admission.

Eligibility for need-based assistance is determined as a result of the student filing the FAFSA each year they are enrolled at Randolph College. Students are awarded need-based grants, student loans, and campus employment based upon the results of this report. Financial aid is distributed in accordance with federal, state, and institutional guidelines. Applicants who have been accepted for admission will be notified of their financial aid status following the receipt of all necessary materials.



ACADEMIC REQUIREMENTS FOR FINANCIAL ELIGIBILITY

Federal regulations require that students make satisfactory academic progress (SAP) according to institutional policy in order to receive federal Title IV funds. Randolph College also requires that students meet these standards in order to maintain eligibility for institutional funds. Financial Aid conducts a review of academic progress every June in accordance with the Ineligibility and Probation Status Report from the Office of the Provost.

Qualitative Standard

Students must maintain a minimum cumulative GPA in order to meet satisfactory academic progress standards for financial aid. As a part of the annual June financial aid progress review, students who are on academic probation will be placed on financial aid probation. During this probationary period, the student is eligible to receive financial aid. The student must attain the appropriate minimum cumulative GPA before the next annual progress review, or the student will be ineligible to receive financial aid for the upcoming academic year.

Pace of Progression

Federal student aid (Title IV) eligibility is also related to the successful completion of credit hours completed versus credit hours attempted. Percentages are rounded up for this calculation. Students receiving federal student aid from Title IV programs must be making progress towards their degree at the cumulative rates of completion as follows:

- 50% cumulative rate of completion for undergraduate first-year students.
- 67% cumulative rate of completion for all other undergraduate class year.
- 67% cumulative rate of completion for all graduate class years.

Quantitative Standard

Federal Financial Aid

Undergraduate students who consistently meet the qualitative standards listed above are eligible to receive federal financial aid for up to 150% of the published program length of 124 semester hours, i.e., for a maximum of 186 semester hours for all course work applicable to the Randolph undergraduate degree, including transfer credit. Time frames for part-time students are adjusted proportionately according to whether the student is enrolled at least three-quarters time, half-time, or less than half-time. Non-degree candidates for Teacher Licensure must submit a proposed academic progress plan to be reviewed by the Financial Aid Committee for determination of the maximum number of semesters of eligibility for federal student loans.

Institutional Aid

First-time, first-year students are expected to complete all graduation requirements within four years and are generally eligible to receive eight semesters of institutional funding. Undergraduate transfer students are eligible to receive institutional funding based on the number of remaining hours needed to complete all degree requirements after enrolling at Randolph.

Undergraduate students who need additional time to complete their program of study may submit an appeal for extended institutional aid to the Associate Provost, contingent upon available funds that are verified and approved by the Treasurer.

Satisfactory Academic Progress

In order to make satisfactory academic progress for financial aid review, a student must meet the following minimum criteria: after the first-year of study, 24 hours completed; after the second year of study, 56 hours completed; after the third year of study, 88 hours completed; and upon graduation, 124 hours completed. Students who do not meet these standards during the annual progress review at the end of the academic year are placed on financial aid probation.

During this probationary period, the student is eligible to receive financial aid. Students must progress to the appropriate level of hours completed before the next financial aid progress review, or financial aid will not be renewed for the upcoming academic year. Incomplete courses, withdrawals, and noncredit remedial courses are not counted as hours completed toward satisfactory academic progress. All periods of attendance, including Summer sessions and semesters during which a student does not receive financial aid, are counted toward the maximum time frame and the qualitative component. Time frames are not adjusted based upon a change in major or degree.

Transfer Credits

For the purposes of Satisfactory Academic Progress reviews, all transfer credits that are accepted as meeting a degree requirement will be counted as both attempted and completed credit hours.

Repeating Courses

Title IV aid may be received for the retaking of any course previously passed or failed. Only one retake is permissible per course regardless of the outcome of the retake. This retaken course may be included in the student's enrollment status, and would count toward the student's eligibility for Title IV aid. (Randolph supports the retaking of courses if a grade of D+, D, D- or F is earned.) Randolph requires special permission to retake a course when a grade greater than D+ is earned.

Remedial Courses

Randolph College does not offer remedial courses and they are not accepted as transfer credit.

Loss of Eligibility and Appeal Procedures

Student eligibility is reviewed at the end of the academic year and students are notified of probationary or non-renewal status by July 1. To appeal this decision, the student must submit a written letter of appeal to the Director of Financial Aid by July 16. Appeals should be based on the basis of: injury or illness, the death of a relative, or other special circumstance. Appeals should explain why the student failed to make satisfactory progress and what has changed in their situation that will allow them to make satisfactory progress at the next evaluation. In some cases, additional documentation may be requested. Students will be notified of the result of the appeal by August 1.



WITHDRAWAL AND FINANCIAL AID ADJUSTMENTS

These policies pertain to the effect of withdrawal on financial aid awards. For information on the implications of withdrawal on student charges, see the “Withdrawal and Refunds” section of the Tuition, Fees, and Expenses chapter of this catalog. For information on withdrawal from courses and/or the College, see the “Withdrawal from Course(s) and/or the College” section of the Academic Policies, Procedures, and Resources chapter of this catalog.

Official Withdrawals

Any student planning to withdraw from the College, either during or at the end of a session, must complete the exit procedure initiated by completing a Voluntary Withdrawal form. **The official withdrawal determination date** is established by the date of receipt by the Associate Provost of written notice of intent to withdraw.

Unofficial Withdrawals

Students who cease to attend all classes and do not participate in any official academic activities will be considered unofficial withdrawals and will be subject to the Return of Title IV Funds Policy. The return of funds procedures will begin when one of the following takes place, whichever occurs earlier:

- College staff becomes aware that the student is no longer attending any classes and the official withdrawal process, voluntary or involuntary, commences.
- The term ends and it is determined that the student ceased to attend classes during that term. All students who do not earn at least one passing grade in a term will be reviewed to determine if they should be considered unofficial withdrawals.

Determination of the withdrawal date will be one of the following, based on the best available information:

- The midpoint of the term.
- The last date the student attended class or participated in an organized educational activity. This date can only be used if supported by documentation deemed appropriate by the Associate Provost.

Title IV Return calculations will be done within 30 days of the Date of Determination.

Notification of the results of the Title IV Return process will be sent to the student in writing by the Financial Aid Office within 45 days of the Date of Determination. The notice will include the following:

- Information regarding any grant overpayments owed to the federal government.
- Explanation of potential eligibility for post withdrawal disbursement of student loan funds (if applicable).
- Amount owed to the College as a result of the Title IV Return process.
- Credit balances created as a result of this process and their availability within 14 days of their determination.

Institutional Aid Adjustments

Grants and scholarships that are awarded from institutional funds will be reduced in accordance with the above procedure for adjustment of charges. The policy for federal financial aid funds is given below. Other financial aid funds (outside scholarships, state funds, etc.) will be refunded in accordance with the rules/regulations governing each specific program. For further information, including examples of return of Title IV financial aid, contact the Financial Aid Office.

Federal Aid Adjustments

The College follows the following mandatory policy when calculating the return of Title IV financial aid funds. During the first 60% of each session of an enrollment period, federal financial aid is earned in direct proportion to the length of time and number of credits in which the student is enrolled. A student who remains enrolled beyond the 60% point of each session earns all aid for that period. During each semester of the academic year, the student attains full-time eligibility for all aid when they are enrolled and complete 60% of the 2nd session. If student is enrolled in less than 12 credits at the 60% point of 2nd session of a semester, aid will be prorated as necessary. The percentage of the period that the student is enrolled is derived by dividing the number of days the student attended by the number of days in the enrollment period. Calendar days are used, but breaks of at least five days are excluded.

Federal aid that has been earned by the student and which could have been disbursed, but has not yet been received/disbursed by the school must be disbursed to the student's account after withdrawal. After calculating the amount of funds to return, the College must return unearned aid for which the school is responsible, within 45 days of determination. Funds are repaid in the following order:

- | | | |
|---------------------------------------|-----------------------|----------------------------|
| 1. Federal Unsubsidized Stafford Loan | 3. Federal PLUS Loan | 5. Federal SEOG Grant |
| 2. Federal Subsidized Stafford Loan | 4. Federal Pell Grant | 6. Other Title IV Programs |

The student (or parent for a PLUS loan) must return unearned aid for which the student/parent is responsible. If the student is unable to repay the portion of unearned aid a payment plan must be arranged with Randolph College or the U.S. Department of Education. Students who have not repaid or entered into a signed repayment agreement within forty-five days of notification may lose eligibility for Title IV funds and will not be eligible to receive an academic transcript from Randolph College.



STUDENT RIGHTS AND RESPONSIBILITIES

Students have the responsibility to submit accurately completed applications before the deadlines applicable to each program. Students are expected to read and understand their financial aid award or, in the case of a loan or student employment, to understand fully their obligations before signing a promissory note or work agreement. All students receiving financial assistance from the College are granted the right of appeal to the Financial Aid Committee for reconsideration. Requests for review must be submitted to the Financial Aid Director. Students with questions about consumer information/disclosure requirements should contact the Financial Aid Director.

Student Life

Learning takes place at all times during a student's time at Randolph College: in the classroom, while studying abroad, in the dining hall, in the residence halls, on the field, court, or pool, and in the various student organizations that exist, to simply name a few. At the College, there is a close relationship between the academic program and cocurricular activities among the students, faculty, and administrative staff. Provided below are descriptions of the offices and opportunities available to students through the Dean of Students Office. Additional information is available in the *The Wildcat Way: The Randolph College Student Handbook*, available at: <https://www.randolphcollege.edu/student-handbook/>



RESIDENCE LIFE

Randolph College is a small residential college, which accounts in part for the exceptional quality of student life. There are six residence halls and apartments for upper-level students overseen by head residents and resident assistants. The Office of the Dean of Students, head residents, and resident assistants serve as valuable sources of information and support for students. A prominent feature of our environment is the sense of community that results from the strength of our residential living experience. Through on-campus residency, students develop strong interpersonal connections with their peers, enjoy social and educational experiences together, develop the ability to negotiate solutions to community and personal issues, and learn to appreciate the rich diversity of cultures, opinions, talents and experiences that our community offers.

All traditionally aged students (23 or younger) are required to maintain full-time enrollment and to live in campus housing, unless classified as a Commuter Student. Students who are 24 or older may not reside in student housing. In order to be eligible for Commuter Student status, the student must be enrolled full time, must apply for approval to live off campus, and meet one or more of the following criteria on or before the first day of classes of the semester they initially enroll:

- reside with a parent/guardian within a 50 mile radius of the College in the parent's primary residence,
- be married and living with a spouse,
- have a dependent child living with the child,
- be enrolled in their fifth year or greater at the College.

Students should start the application process to reside off campus if they meet the above criteria by contacting the Assistant Dean for Residence Life and Student Conduct.

Students who are transferring to Randolph from another higher education institution located within 50 miles of the Randolph campus, and who at the time of matriculation are renting in the local community, may apply for commuter student status. Each application will be reviewed by the Dean of Students or their designee. An exception to the residency requirement will be granted if a student's application is approved. Such requests must be made at the time of initial matriculation and will not be granted at a later date.



STUDENT ACTIVITIES AND TRADITIONS

Student activities promote opportunities for leadership development, the pursuit of common interests, service to the community, and exploration of today's world. Through these activities, a student learns to work with others and usually develops greater insight and confidence. These experiences, enhanced by leadership development programs, contribute substantially to the quality of life on campus and to the development of personal and professional skills that a graduate takes into the future. Membership in most organizations is open to any student who applies. For other groups the necessary qualifications or the basis of election are described in the *The Wildcat Way: The Randolph College Student Handbook*, available at: <https://www.randolphcollege.edu/student-handbook/>.

Athletics

Intercollegiate teams are active in the following sports for women: basketball, cross country, lacrosse, soccer, softball, swimming, tennis, track and field, and volleyball and for men: basketball, cross country, lacrosse, soccer, swimming, tennis,

and track and field. All intercollegiate sports are conducted in accordance with the guidelines of the Old Dominion Athletic Conference (ODAC) and the National Collegiate Athletic Association (NCAA).

Identity, Culture, and Inclusion

Randolph College celebrates diversity in all its many forms and seeks to build a more inclusive world. Students may seek support for their various identities and how they intersect in the Office of Identity, Culture, and Inclusion, including but not limited to students of color, the LGBTQ+ community, and international students. Programs are offered that seek to affirm the unique identities of people while building a community that strengthens itself from these identities and cultivates leaders who will integrate the value of human diversity to the world.

Physical Fitness

The Student Center fitness areas and the Randolph Michels Athletic Center weight room, gymnasium, pool, and aerobics room are open to students for general fitness activities. Outdoor venues include the track, turf field, grass field; softball field, tennis courts, and disk golf course are also available. A variety of intramural and recreational activities are also available and scheduled throughout the year.

Social and Recreational Activities

Concerts featuring comedians, magicians, and professional musicians are held regularly. The Randolph Programming Board plans these along with campus-wide and traditional events such as Fall Formal, Geek Week, and Summer-Sendoff. Group trips to cities such as Washington, D.C. are organized throughout the year. On occasion, trips and other events are planned in conjunction with neighboring colleges.

Student Media

The Sundial, the campus newspaper, involves the writing, administrative, and photography efforts of students. The literary magazine, Hail, Muse! Etc., publishes student works in poetry, prose, and the visual arts. The campus radio station, WWRM, broadcasts on campus and webcasts at www.wwrn.org.

Performing Arts: Activities

Randolph College offers students interested in various aspects of the performing arts a rich array of opportunities and experiences that foster a spirit of community and artistic collegiality.

The Performing Arts Department produces two or three theatre productions each year, where students work alongside Theatre faculty and visiting guest artists in Thoresen Theatre, the Lab Theatre, and the Mabel K. Whiteside Greek Theatre. Student productions, workshops, and classroom projects round out the season. Theatre productions provide opportunities for students in performance, design, management, and technology, both as an extra-curricular activity and for academic credit. Theatre majors often join the artistic team on a main stage production for their senior capstone project.

Throughout the year, the Performing Arts Department brings in visiting artists who teach, choreograph, and stage works for the Annual Spring Dance Concert. Whether creating original works or re-staging others, the choreography highlights a broad variety of styles. In recent years, Paul Taylor's Esplanade, Isadora Duncan's Dance of the Furies, and Takehiro Ueyama's Footsteps in the Snow have been performed.

The Chorale, Touch of Harmony, and Chamber Orchestra are directed by music faculty. Participation in these groups carries academic credit. Chorale prepares four programs per year including Christmas Vespers and the Spring Concert. Touch of Harmony (a vocal jazz ensemble) presents several programs in the community and on campus. Chamber Orchestra has established a reputation in the Lynchburg area for fine and enjoyable performances of quality repertoire. The ensemble provides a rare and valuable opportunity for students to perform masterworks side by side with area professional musicians. Students may also join one of two student-run a cappella groups.

The Heritage Ensemble presents The Flavor Show each year, an evening of music, dance, and theatre. Other on-campus opportunities include student productions, an "improv" group, and open mic nights. The rich variety of these productions allows students to explore and invest in their creative and artistic interests whether their preference is onstage or backstage.

Traditions

Traditions are a very important part of student life. Alternate classes unite together, as sister classes, so that the Odds (odd-year classes) and the Evens (even-year classes) enjoy many special events and share a spirit of rivalry with each other in fun. As students move through four years here, they participate in the important roles played by each class in serenades, the Daisy Chain, Holiday on Main, and Pumpkin Parade.

Volunteerism

Student Affairs offers opportunities for students to engage in service in the Lynchburg community. The Life More Abundant program, the College's justice-based service program, is designed to help students get beyond the Red Brick Wall and into their role as active citizens. Students can also take part in some more comprehensive service based opportunities like the Alternative Break trips.



STUDENT LIFE POLICIES AND SERVICES

The Honor System

The Honor System at the College demands that all students abide by the highest standards of honesty and integrity in their academic, social, and personal life. This charge has been fundamental to conduct and governance since the opening of the College in 1893. The effectiveness of the Honor System depends upon the concept of dual responsibility: individuals assume the responsibility for their own actions and those of other students. The resulting atmosphere of mutual trust and the opportunity for self-awareness and personal growth make the Honor System a precious inheritance and an essential part of student life.

Academically, the Honor System makes possible unproctored tests, pledged works, and self-scheduled exams. All students sign the Honor Pledge below. Actions that violate the Honor Pledge include but are not limited to lying, cheating, stealing, plagiarism, submitting a particular paper, or similar papers, for credit in more than one course without obtaining prior specific permission from all professors involved, and misuse of library materials that constitutes obstruction to research, administration, or other College activities. The spirit of honor on the Randolph College campus lies in the broader challenge of the Honor Pledge: the commitment not only to be honest in all aspects of one's life and to hold others to that standard as well, but also to maintain the integrity of one's word and respect the rights of others.

One of the actions that violates the Honor Pledge is plagiarism defined as using the words or ideas of another person without properly acknowledging their source. When a student presents work for academic credit, the instructor assumes that the work is original except where the student shows through correct documentation that he/she is citing the work of another. Inadequate or improper documentation is grounds for a student being charged with plagiarism. Whether the student is found to have been ignorant of the conventions for documentation, careless in applying his/her knowledge of those conventions, or dishonest in presenting someone else's work as though it were the product of his/her own understanding, the result is the same: the student has committed plagiarism. The Honor System requires that a student who has committed plagiarism go through the judiciary process. For full information on the Honor System, see **The Honor System** in the *The Wildcat Way: The Randolph College Student Handbook*, available at: <https://www.randolphcollege.edu/student-handbook>.

The Honor Pledge: I pledge absolute honesty in my academic work and in all personal relationships at Randolph College. I will maintain the integrity of my word, and I will respect the rights of others. Realizing that these standards are an integral part of life at Randolph College, I assume my obligation to uphold this honor pledge. If at any time I fail to live up to my obligation of this pledge, I will report myself to the Chair of the Judiciary Committee. I will also ask others to report themselves for any infraction of this pledge.

Student Government

Student Government is the student administrative body that promotes the general welfare of each student by creating an atmosphere conducive to student development in the spirit of a true liberal arts education. Student Government is responsible for the continuance of student clubs and organizations. It consists of those students elected or appointed to positions in the

executive, legislative, and judicial branches of the government. Officers of Student Government are elected annually in the Spring.

Counseling Services

The Counseling Center is open Monday through Friday during the regular academic year and staffed by diverse licensed mental health professionals, one resident in counseling, and one supervised graduate student intern. Services include individual counseling, group counseling, emergency on-call support, and referral to off-campus community resources when needed. Students receive support for a wide variety of concerns including adjustment to college, relationship issues, identity development, gender issues, stress management, anxiety and depression, substance use, trauma recovery, and more. Counseling services are free and confidential for all full-time students, including commuters and graduate students. Numerous resources on a variety of topics are available for loan.

Health Services

The Randolph College Student Health Center offers a variety of prevention, treatment, health promotion, and educational resources to all full-time Randolph College students. College Health Nurses and the Nurse Practitioner strive to promote healthy lifestyle habits and provide treatment, counseling, and education for typical student health needs and concerns. For more specialized needs, students may be referred to an off-campus medical office or facility. The Health Center is open weekdays during the regular academic year.

All new full-time students are required to submit a completed medical record before July 1 (January 1 for new students entering in the Spring semester). Students who do not have a complete medical record on file at the Health Center will not be permitted to register for classes and can only be seen in the Health Center for emergencies. Proof of health insurance coverage is also required of all full-time students during their entire enrollment at Randolph College. Students who cannot provide proof of coverage will be enrolled in the health insurance plan endorsed by the College and will be billed for the cost of that coverage. Information about the College endorsed plan and the process for waiving enrollment due to other coverage will be provided to all students.

Orientation

All new students attend an orientation program prior to matriculation in August or January. During orientation, students are introduced to college life and guided in their transition to life at the College. The College's orientation model includes Summer advising, Fall orientation and Spring orientation programs. Activities during these events include information sessions, placement examinations, and social and recreational events. Students have an opportunity to meet key staff of the College, student leaders, and faculty. Specific orientation sessions are provided for international, commuter, and transfer students.

Spiritual Life

The College supports all sincere expressions of religious faith and is committed to the study of religion as a vital part of a liberal arts education. Campus spiritual life is fully ecumenical as well as interfaith, and students are encouraged to participate in the activities of the local synagogue, mosque, and congregations. Area campus ministers of several denominations are available to students. Student groups often gather for Bible studies, fellowship meetings, and prayer groups as well as service and mission opportunities. Through a variety of options, a student may participate in or initiate activities, which engage, promote, and nurture the development of an intellectual and spiritual life.

Academic Policies, Procedures, and Resources

DEGREE PROGRAMS

At the undergraduate level, three degrees, are conferred: the Bachelor of Arts, the Bachelor of Fine Arts, and the Bachelor of Science. The Bachelor of Arts degree may be elected by any student. The Bachelor of Fine Arts degree may be elected by students who declare a major in English (Creative Writing), Studio Art, or Theatre while the Bachelor of Science degree may be elected by students who declare a major in Biology, Chemistry, Engineering Physics, Environmental Science, Mathematics, or Physics. Students who declare a double major must elect which degree will be displayed on their diploma.

The Certificate of Major Program is open to students who have already completed a bachelor's degree and wish to pursue a second major for career exploration, graduate school preparation, or personal enrichment. A second bachelor's degree is not awarded.

At the graduate level, the Master of Arts in Teaching, Master of Arts in Coaching and Sport Leadership, and the Master of Fine Arts in Creative Writing are conferred.

Degree Requirements

Requirements for the Undergraduate Degree

1. Students must take courses in at least four different departments in their first year.
2. A senior, in order to qualify for graduation, must present credit for at least the following:
 - a. 124 credit hours of work, which may include a maximum of 8 credit hours in physical education activity courses.
 - b. 8 courses (no fewer than 32 credit hours) in a Major Program are required as a minimum; any department, however, may set the requirements for the major above this minimum. See ***Courses of Instruction*** for requirements for particular majors (whether departmental or interdisciplinary), including the Senior Program.
 - c. Requirements for the General Education Program. See ***General Education Program***.
3. 52 credit hours of courses completed through Randolph College, i.e., excluding transfer credit (see ***General Transfer of Credit Policies***), which must include:
 - a. 20 credit hours of courses in the major, including the equivalent of the senior program, must be completed through Randolph College, with the exception of the dual degree program in Engineering Physics.
 - b. 8 credit hours of the courses in any minor must be completed through Randolph College
 - c. NOTE: with the support of the major or minor department, students may appeal to the Board of Review for exceptions to the major or minor residency requirements.
4. The student must have earned a cumulative grade point average of 2.0 (rounded) both for all courses taken for a grade and for all courses counted toward major requirements.

Requirements for the Certificate of Major

1. 32 credit hours in residence at the College.
2. All requirements for the Major Program as outlined in the catalog in effect when the program is begun.

Requirements for the Master of Arts in Teaching Degree

1. 37-40 credit hours of graduate coursework must be completed.
2. A maximum of 9 credit hours may be transferred to Randolph College at the graduate level.
3. All requirements, including transfer courses, must be completed within a period of six calendar years.
4. The student must have earned a cumulative grade point average of 3.0 (rounded) both for all courses taken for a grade and for all courses counted toward major requirements, with not more than six semester hours earning a grade of C or lower.

Requirements for the Master of Arts in Coaching and Sport Leadership

1. 36 credit hours of graduate coursework must be completed.
2. A maximum of 6 credit hours may be transferred to Randolph College at the graduate level.
3. All requirements, including transfer courses, must be completed within a period of four calendar years.
4. The student must earn a cumulative grade point average of 3.0 (rounded) both for all courses taken for a grade and for all courses counted toward major requirements.

Requirements for the Master of Fine Arts Degree

1. A minimum of 60 credit hours of graduate MFA coursework must be completed.
2. Students may transfer one semester's credits (15 credits, including successful completion of one residency) from another low-residency M.F.A program for Workshop I (601,603, or 605) credit. Students may transfer 15 credits from a traditional-residency M.F.A program for Workshop I (601,603, or 605) credit.
3. All requirements, including transfer courses, must be completed within a period of six calendar years.
4. The student must earn a cumulative grade point average of 3.0 (rounded) both for all courses taken for a grade and for all courses counted toward major requirements. Only one course with a grade of C+ or below will count toward degree requirements.

Majors & Minors***Major Programs***

Depth of understanding in one field, including both specialized knowledge and a grasp of methodology, is attained through the Major Program, which becomes the focus of the student's work during the junior and senior years. A major may be either departmental or interdisciplinary in character. In the English Department, the student selects an emphasis within the major. By meeting the requirements for the major in two separate departments, a student can complete a double major. A student may even elect to develop an Independently Designed Major Program of related courses chosen from two or more departments. Majors include:

| | | |
|-----------------------|------------------------|----------------------------------|
| Art History | Chemical Physics | Computer Science and Mathematics |
| Engineering Physics | Environmental Studies | Mathematics |
| Physics | Psychology | Sport and Exercise Studies |
| Biology | Chemistry | Economics |
| English | Global Studies | Media and Culture |
| Physics Education | Sociology | Studio Art |
| Business | Comparative Philosophy | Elementary Education |
| Environmental Science | History | Museum and Heritage Studies |
| Political Science | Spanish | Theatre |

Minor Programs

Each student may elect a maximum of three minors in addition to the major. A minor is a five-to-seven-course cluster that may be departmental, interdisciplinary, or independently designed by the student. The purpose of the minor may be to enrich the student's major, emphasize the interconnectedness of liberal arts fields, to provide an opportunity to pursue special academic or pre-professional interests. A student may self-design a minor in collaboration either with a faculty advisor or with one of the faculty concerned. Minors include:

| | | |
|---|---|---|
| <i>African & African American Studies</i> | Dance* | Mathematics* |
| <i>American Culture</i> | Data Science* | <i>Museum and Heritage Studies</i> |
| American Politics* | <i>Earth Science Education</i> | Music* |
| Art History* | Economics* | Musical Theatre* |
| <i>Asian Studies</i> | Editing* | Physics* |
| Biology* | Engineering* | Political Theory* |
| Business* | Environmental Science & Analysis* | Psychology* |
| Chemistry* | Environmental Studies & Sustainability* | Race, Culture, and Equity in Education* |
| Chinese Studies* | <i>Film Studies</i> | <i>Renaissance Studies</i> |
| Classical Civilization* | <i>Gender Studies</i> | Sociology* |
| <i>Cognitive Science</i> | <i>Global Studies</i> | Spanish* |
| Comparative Philosophy* | History* | Sport and Exercise Studies* |
| Comparative Politics/Int'l Relations* | <i>Human Services</i> | Studio Art* |
| Computer Science* | Latin* | Theatre* |
| Creative Writing* | Literature* | |

*Designated as a "departmental minor" (see "Declaration of Minor")

The Independently Designed Major

A student who desires to work out an individualized program consisting of related courses chosen from two or more departments should consult with appropriate faculty in each department involved. A cumulative GPA of at least 2.5 is required at the time of the application of the independently designed major.

The major must be consistent with the liberal arts and sciences and cannot duplicate an existing major. There must be sufficient faculty and resources at the College to support the proposed program of study. The proposal must present a solid intellectual course plan that demonstrates a coherent whole with intellectual depth as evidenced by a sufficient number of upper-level courses.

After meeting jointly with the department chairs involved and other faculty as may be appropriate to work out the program, the student shall complete the Declaration of Independently Designed Major Form. The completed form should be submitted to the Provost of the College, along with the rationale underlying the major, explaining how the courses selected (and their prerequisites) contribute to the major and describing the Senior Program. In addition, a letter of support from the faculty member who is designated as the major advisor must be sent to the Provost. If the Provost approves the program, the proposal will be forwarded to the Curriculum Committee for final approval. In the event that this program should involve any course work taken as Independent Study, the student must meet the general college-wide requirement of a cumulative GPA of at least 2.3 at the time of registration for these courses. If the Senior Program involves independently designed courses, these shall be designated as Interdisciplinary Studies 4493 and 4494 rather than Independent Study and thus not subject to the GPA requirement of the latter. A student may not use more than two courses from an independently designed major toward any other major or minor.

Declaration of Major

Students declare a major by completing a Declaration of Major Form. A major may be either departmental or interdisciplinary in character. By meeting the requirements for two separate majors, a student can complete a double major. The College will only assure the opportunity for completion of a single major. For major requirements, the governing catalog is the one in effect when the student declares the major. These requirements remain in effect for as long as the student is continuously enrolled at the College. A student may petition the chair of the department to follow the major requirements listed in a subsequent catalog but not those of a previous catalog. Following a gap in enrollment for any reason, a student who is approved for readmission will be subject to the major requirements of the catalog in effect at the time of re-enrollment, unless otherwise approved by the chair of the department.

The student must earn a cumulative grade point average (GPA) of 2.0 (rounded) for all courses required in the Major Program. Courses taken on a Pass/Fail basis may not be used to fulfill the minimum requirements for a major unless the course is being offered only on a Pass/Fail basis. If all of the requirements as specified in the student's governing catalog cannot be completed, then a Request for Substitution of Major/Minor Requirement Form must be submitted to the Registrar's Office prior to enrollment in the substituted course.

Deadlines for Declaring the Major

Students may select a major (departmental, interdisciplinary, or independently designed) during their first year but no later than the end of the first semester of the sophomore year prior to the Spring advising period. Junior transfer students may wait until just prior to the advising period of the first semester in residence.

With permission of their advisor, students may change and/or add a major prior to the end of the Spring advising period of the student's junior year. A student may drop a second major or change from a BS degree to a BA degree in the same major at any time.

Declaration of Minor

Students declare a minor by completing a *Declaration of Minor* form. A student may elect a maximum of three minors in addition to the major, and must meet the requirements, as listed in this catalog, for each minor. The student may not elect a major and a departmental minor from the same department, except in the Departments of Art and Art History, Economics and Business, Computer Science and Mathematics, Physics and Engineering, Performing Arts, and Education.

For minor requirements, the governing catalog is the one in effect when the student declares the minor. These requirements remain in effect for as long as the student is continuously enrolled at the College. A student may petition the chair of the department to follow the minor requirements listed in a subsequent catalog but not those of a previous catalog. Following a gap in enrollment for any reason, a student who is approved for readmission will be subject to the minor requirements of the catalog in effect at the time of re-enrollment, unless otherwise approved by the chair of the department. A student may design a minor in collaboration either with a faculty advisor or with one of the faculty concerned. The *Declaration of Independently Designed Minor* form must be completed which requires a rationale in writing and approval of the departments involved, of the Provost of the College, and of the Curriculum Committee. Approved declaration forms are forwarded to the Registrar's Office.

The student must earn a cumulative GPA of 2.0 (rounded) for all courses required in the Minor Program. Courses on a Pass/Fail basis may not be used to fulfill the minimum requirements for a minor unless the course is being offered only on a Pass/Fail basis. If all of the requirements as specified in the student's governing catalog cannot be completed, then a *Request for Substitution of Major/Minor Requirement* form must be submitted to the Registrar's Office prior to enrollment in the substituted course.

Programs for Specified Careers

Athletic Training

The College has an agreement with the Master of Science Athletic Training Program at Bridgewater College. Students meeting the prerequisites are eligible for guaranteed consideration in the admissions process. Students are required to complete a bachelor's degree in a field of their choosing as well as prerequisite coursework. Interested students must contact the program advisor as early as possible in their academic planning in order to be aware of these prerequisites.

Engineering

Employers have made it very clear that engineers benefit from a liberal arts education. Engineers need to be able to write, communicate, and understand the world around them in order to best design for the future. For the student interested in a career or a degree in engineering, there are many options at Randolph College.

Students should meet with the engineering advisor early on in order to determine which path to explore. The options include, but are not limited to, a minor in engineering with degrees in related fields, pertinent research and internship experiences, and the dual degree program in engineering. Pre-engineering students generally follow a program of study involving a rigorous selection of physics, chemistry, mathematics, and computer science courses. The student then has the option in the junior year to apply to an associated engineering school to complete the dual degree program, or to stay at Randolph and pursue a path that will prepare them well for a career in engineering. More than half of the College's physics majors get jobs in engineering upon graduation.

A student interested in a degree in engineering gets the best of both worlds with the dual degree program: a solid liberal arts education with the opportunity to work closely with faculty, which is appealing to graduate schools and the job market alike, and the experiences of studying at a large research university. Randolph College has an agreement with the engineering school at Washington University in St. Louis. Admission to the fourth year at the engineering school requires at least a 3.25 or better GPA both overall and in the Randolph College major. At the end of the first or the second year at the engineering school, the student may receive a Bachelor of Science degree in Engineering Physics from Randolph College; completion of the second year results in a Bachelor of Science or a Master's degree in engineering from the partner institution.

Law

The College subscribes to the policy of the American Association of Law Schools, which recommends an undergraduate program aimed at developing such basic skills as clear communication, critical understanding of institutions and values, and creative thinking. Experiences with corporate, criminal, and judicial internships with law firms and judges prepare students for the realities of a career as a lawyer. The Pre-Law Advisor assists students, who plan to apply to law schools, in selecting courses that prepare students to be successful law students and lawyers.

Medical and Health-Related Study

A student intending to enter a career in the health sciences following graduation should consult with the Health Professions Advisor early in their academic program, and no later than the end of the first year. Requirements for medical, dental, pharmacy, and veterinary schools typically include one year of biology, two years of chemistry and a year of physics at a

minimum. The MCAT will require biochemistry, psychology, and sociology in addition to the courses listed above. Students should plan to take BIOL 2201-2201L, 2203-2203L, 2204-2204L, CHEM 1105- 1105L, 1106-1106L, 2205-2205L, 2206-2206L, and PHYS 1105-1105L, 1106-1106L or PHYS 1115-1115L, 1116-1116L, ideally by the end of the sophomore year. Those planning to take the MCAT should plan to complete these courses and CHEM 3335, PSYC 1105, and SOC 1101 or 1114, prior to the MCAT. Additionally, BIOL 3308 and 3320-3320L are highly recommended.

Because there can be considerable variation in requirements between programs, and because the requirements are sequential in nature, the student is urged to consult with the Health Professions Advisor who will assist in creating a four year academic and co-curricular plan. Early action is especially important for students planning to study abroad.

Physical Therapy

The College has established an agreement with the Doctor of Physical Therapy Program at University of Lynchburg. Students satisfying the prerequisites for the program are eligible for one of two guaranteed positions in the class. Students are required to complete a bachelor's degree in a major of their choosing, as well as to complete the required prerequisite coursework. Interested students should contact the program advisor as early as possible in their academic planning.

Teacher Education

The Educator Preparation Program (EPP) offers a nationally accredited and state approved four-year course of study that qualifies teachers for a Virginia License in elementary education (grades preK–6), in a variety of secondary education subject area endorsements (grades 6–12), and in certain specialty areas (preK–12). A student interested in the EPP should consult with the director or chair as soon as possible to plan the appropriate program of study. The College offers a major in Elementary Education major as an option for students who would like to teach PreK-6. Students seeking secondary licensure complete a major in the area they wish to teach (additional coursework in the major may be required). A five-year master's program option for initial licensure is available for elementary, secondary and special education.

Graduation

Applying to Graduate

Rising seniors are asked to complete their degree application one year ahead and this normally happens during Spring registration for Fall semester courses. Master's degree candidates are asked to complete their degree application by October 1 for May commencement. Information obtained from degree applications is used in the ordering of diplomas and in the preparing the Commencement Program.

Degree completion dates are in May, August, and January with a Commencement exercise occurring only in May. All undergraduate students are expected to have completed all requirements for the degree to be eligible to participate in commencement. Under special circumstances undergraduate students who fall short of their degree requirements may appeal to the Board of Review for permission to participate in Commencement exercises. Further, the student must have a minimum major and cumulative GPA of 2.0 or be able to reach that minimum, and the student must be able to complete any other remaining degree requirements with no more than eight course credits.

Students participating in the dual degree engineering program between Randolph College and an approved partner institution may participate in commencement when their Randolph College degree requirements have been met even if the requirements at the partner school are still in progress. Completion of Randolph College requirements includes successful completion of one year at an associated engineering school, i.e., the senior program. Completion of these requirements must be certified by the Chair of Physics and Engineering and the Registrar at Randolph prior to participation. Dual degree students who fall short of these requirements may appeal to the Board of Review for permission to participate in Commencement exercises. Diplomas are not issued until the official, final transcript from the partner institution is received and completion of all degree requirements is certified by the Registrar at Randolph College.

Students are permitted to participate in commencement exercises only once.

Graduation Honors

Undergraduate students of superior academic achievement are awarded the academic distinctions of summa cum laude, magna cum laude, and cum laude with the bachelor's degree as follows:

| | |
|------------------------|------------------------------|
| <i>Summa cum laude</i> | a grade point average of 3.9 |
| <i>Magna cum laude</i> | a grade point average of 3.7 |
| <i>Cum laude</i> | a grade point average of 3.5 |

The preceding grade point averages, rounded, must be achieved in all courses taken through Randolph College.



ACADEMIC OPPORTUNITIES AND RESOURCES

Honors in the Major

Students of exceptional ability are encouraged by the various departments to engage in independent Honors study for up to 12 hours. Honors work is done under the supervision of a faculty member in the student's major department and culminates either with a written research paper or a thesis upon which the student takes an oral examination, or with a project that culminates in a presentation suitable to the nature of the project. Junior standing is required to enroll in Honors courses. A student completing the program with distinction is awarded "Honors in the Major Field" at Commencement.

A junior or senior who has a cumulative academic average of 3.45 in all academic work recorded for a letter grade and a cumulative average of 3.7 in the major is eligible to read for Honors in the Major on an approved topic. A student whose overall average qualifies but whose major average does not may petition faculty in the major to read for Honors. If at the end of the first semester of the senior year the student's cumulative GPA in the major falls below 3.5, the student is no longer eligible to continue the Honors Program. Students who enter with academic credit may, after at least two semesters at the College, apply to read for Honors. In such cases, both the quality of work completed at Randolph College and that completed elsewhere are considered.

Students may begin working on Honors in the Major no earlier than their junior year. Honors work may be completed in two sessions for a total of eight hours, or in three sessions for a total of twelve hours. Applications for Honors in the Major should be submitted to the department or program chair of the student's major in the semester immediately prior to beginning the Honors work. The department shall report to the faculty the names of those students who are reading for Honors. The *Candidate for Honors* form must be submitted to the Registrar's Office to authorize Honors work, and for the appropriate courses to be included in the student's program of study.

An Honors course shall be planned for the individual student or students concerned and shall be conducted through seminars or weekly conferences. The Honors work shall be distinct from that of other courses; in no case shall it be constituted of additional assignments given in connection with classes open to students who are not reading for Honors. At the option of the department or program chair involved, the Honors Program may be regarded as constituting the student's Senior Program. The student who has a double major may do an integrated Honors Program or do individual Honors Programs in one or both majors. If the student does not have an integrated Honors Program, the student shall complete the Senior Program in the major in which the student does not read for Honors.

The department or program chair, in consultation with the student, shall assign each Honors student a special Honors Supervisor who will be in immediate charge of the student's program. If the field of the student's Honors work embraces more than one major, the appointment of the Honors Supervisor shall be made by the department and program chairs of the majors in consultation. The manner in which the Honors work shall be carried on shall be determined by the faculty concerned.

The Honors student must submit a thesis or completed project in a field of special interest. This thesis or project shall be under the direction of the student's Honors Supervisor, but when completed must be approved by a majority of members of the examining committee. In the case of a thesis, the student must send electronically one copy of the approved Honors paper to the Lipscomb Library, which catalogs such papers and maintains a file of them in the Library archives. This copy shall contain any revisions which the examining committee has required and bear the signatures of the majority. In the case of a project in the areas of fine arts or performing arts, the project should be recorded and submitted to the library in a commonly used digital format with an accompanying scan of the cover page, signed by the majority of the examining committee, and given to the Lipscomb Library. *The Honors Supervisor must ensure the student's thesis or project is submitted to the Director of the Lipscomb Library by the date senior grades are due as the final step before conferring Honors upon the student.*

The examining committee shall be composed of an odd number of faculty members, usually three, including the Honors Supervisor, the department or program chair of the major or a faculty member appointed by the chair, and one faculty member from another department. The members of the committee shall be appointed by the Honors Supervisor. This appointment shall be made during the first eight weeks of the semester that precedes the semester of the examination in order to allow the student to consult with other members of the examining committee during the course of the Honors work. It shall be the purpose of the examining committee to determine whether the student's work merits the designation of Honors. The examining committee for each student's program shall meet at the end of the first semester of the senior year to decide whether there has been sufficient progress to permit the completion of the program. The committee may decide that the program should continue, should be converted to an Independent Study project, or should be discontinued.

The Honors student shall take an oral examination of at least one hour's duration on the subject of the Honors work. This examination shall be given on a date prior to the end of the final examination period. The Honors Supervisor is responsible for notifying the Provost of the College of the date of the Honors examination.

A successful Honors project shall receive the grade of A or A-. A student whose work does not merit the designation of Honors will receive a grade commensurate with the quality of the work and will receive the hours earned. These hours shall appear on the transcript as either Independent Study or the Senior Program in the major. The student's Honors work shall be entered on the permanent record and, if the candidacy is successful, a notation such as "Degree with Honors in Psychology" or "With integrated Honors in Psychology and Sociology" shall be placed on the permanent record.

Independent Study

Independent study is a program that enables the student to pursue a course of study that is of special interest but is not offered in the regular curriculum. The College encourages the able student to undertake independent study as a means of increasing self-reliance, identifying educational objectives, and structuring a program to meet these objectives. The student is therefore responsible for selecting and defining the subject or topic to pursue and for making important decisions determining the development and outcome of the project. The sponsoring faculty member alone has responsibility for supervision and evaluation of the work. After a student has successfully completed a semester's program at Randolph College or another accredited college, the student may apply to any department for independent study to be carried on during the academic year or during the Summer (upon payment of a Summer tuition fee by June 1). Independent Study forms are available on the portal. Permission is contingent upon the following conditions:

1. The student is in good standing academically and has a cumulative grade point average of at least 2.3. In addition, if it is a Summer project, the student must have earned an average of at least a 3.0 in the subject area of the project. Permission to undertake an independent study project must be applied for by submitting an application form to the Registrar as follows:
 - a. Fall and Spring projects: before the end of the add period of the session in which the project is to be completed
 - b. Summer projects: no later than the end of the last day of classes of Session 4 of the Spring semester.
2. A qualified faculty member is willing to serve as supervisor.
3. The proposed project has been approved by the supervisor, chair of the department in which the study is being done, the Registrar, and the Curriculum Committee.
4. A project does not duplicate the work of a course regularly available at the College.
5. The project is to be completed within the confines of a given session or during a single Summer. During the academic year, the student in independent study may earn 1, 2, 3 or 4 hours of credit per session; during the Summer, the student may earn 4 hours. Credit hours awarded for satisfactory completion of independent study projects may not exceed 20 within the minimal number of hours completed for the degree, and normally not more than four hours are permitted per semester. The Honors Program is a separate program and does not affect this limitation. A student may undertake up to 4 hours of independent study and 4 hours of Experiential Learning in the same session.
6. The tuition fee for each course taken during the Summer is payable in advance and nonrefundable.
7. If a student decides not to complete a Summer independent study project after having registered, the fact of the registration shall not appear on the academic record provided the student withdraws formally before the first day of classes of the Fall semester, Session 1. If notification of the withdrawal is not received by the Registrar before that time, a grade of F shall be entered for the course.

Off-Campus Programs

Recognizing that a student's program may be enhanced through course work and experiences elsewhere, the College supports off-campus study opportunities, both domestic and abroad. Such opportunities should be consistent with the goals of a liberal

arts education, demonstrate a level of academic rigor commensurate with Randolph College's institutional expectations, have well-defined academic and programmatic objectives, and offer academic and experiential opportunities that will enhance and contribute to a student's course of study. For study abroad, such opportunities should promote cross-cultural immersion and interaction with people of the host country, demonstrate quality in the delivery of support services to students, and contribute to programmatic and geographical diversity relative to existing programs.

A student not on academic probation wishing to study abroad must apply to the Associate Provost. In order to receive permission for an off-campus study program, the student's proposed plans must ensure normal progress toward meeting the requirements for the degree at Randolph College and have the approval of the major advisor. Course work to be taken must be approved in advance on a *Transfer of Credit Approval* form. The student's re-entry to the College is assured provided that the program is approved in advance and that the student maintains good standing while pursuing off-campus study. *Transfer Credit Approval* forms are available on the Students tab on the portal under Forms.

The International and Off-Campus Programs Committee (IOCPC) reviews applications for off-campus study. Students are expected to submit well-developed proposals that demonstrate that the program elected will enrich the overall degree program, and demonstrate concretely the student's ability to meet degree requirements. The College encourages students to participate in its own, faculty-led programs and its affiliated programs of study, which usually yield graded (GPA) course credit. Other programs may be submitted for consideration by the IOCPC for transfer course credit.

The American Culture Program

The American Culture Program was established in 1990 for implementation in 1991–92. The American Culture Program draws on the specific advantages present at the College, such as the expertise of the faculty; the College's location in an area of the United States that is especially rich in museums, historic sites, and other places useful to the study of both America and preconceptions of America; and the College's nationally recognized collection of American art housed in the Maier Museum.

Taking the tension between perception and reality as its intellectual basis and offering an inclusive study of American society that properly recognizes underrepresented populations, the program involves a rigorous immersion into the study of American culture for one session, usually in the Spring semester. Study is concentrated, interdisciplinary, and often on-site at key locations in and near Virginia. The program is part of the curriculum of the College. All courses are taught by Randolph College faculty.

Admittance to the American Culture Program is open to any student who has completed the first six sessions and is not on academic probation, provided that the student completes the application process and is selected for participation. The program accepts applications from undergraduates from both Randolph College and other campuses who can show an academic record of substance and promise. For full-time Randolph College students, fees for the program will be the same as those for a semester of study at the College. For full-time, one-year international students and students from other institutions, consult the Director for fee information. Financial aid is available; contact the Financial Aid Office. Program Director: Julio Rodriguez.

Study Abroad

The College established a strong identity as an international institution in the first decades of its history and is committed to offering international and cross-cultural experiences for students. Qualified students may apply to study abroad for one or two semesters provided that an overseas experience is appropriate to their program of study. Students may also request approval to enroll directly in a foreign university or to study abroad in an approved program coordinated by another U.S. institution.

Students interested in pursuing study abroad options should consult with the Associate Provost for guidance on application and approval processes.

Unless otherwise noted, students pay Randolph College tuition and room and board to participate in affiliated study abroad programs. Students are also responsible for a required study abroad fee. Federal aid, Randolph College merit scholarships, and need-based assistance are applicable to most programs. International students should note that Randolph College financial aid packages are available for use solely on the Lynchburg campus and will not otherwise transfer to Randolph College study abroad programs or any other overseas study experience. Several endowed global studies funds provide limited need-based scholarships to both U.S. and international students who wish to study abroad. For more information, consult the Associate Provost and the Financial Aid Office.

Kansai Gaidai, Osaka, Japan

Randolph and Kansai Gaidai University of Foreign Studies in Japan have a formal intercollegiate relationship for the purpose of increasing cross-cultural experiences for students. Students may study for a semester or a full academic year. The Asian Studies Program is taught in English with optional courses taught in Japanese. Faculty Coordinator: Mari Ishibashi

Tsuda University, Tokyo, Japan

Randolph and Tsuda University have a formal intercollegiate relationship for the purpose of increasing cross-cultural experiences for students. Students may study for the Spring semester or a full academic year. All instruction is conducted in the Japanese language. Faculty Coordinator: Mari Ishibashi

Queen's University, Belfast, Ireland

Randolph has an agreement with Queen's University in Ireland. This agreement provides an opportunity for Randolph students to study in Belfast in a wide range of disciplines from archaeology to zoology. Students may study for a semester or a full academic year. Faculty Coordinator: Mara Amster

University of Santiago de Compostela, Spain

Randolph College has an agreement with the University of Santiago de Compostela in Spain. Students may elect to spend their Spring semester at this institution. All courses are taught in Spanish. The prerequisite for participation in this program is five semesters of college-level Spanish. Faculty Coordinator: Maria Vázquez-Castro.

Off-Campus Study Seminars

Faculty members lead 1–3 week study seminars across a range of academic disciplines and in countries around the globe either during Winter break, Spring break, or the Summer. After completion of one semester of study, all students are encouraged to participate in these unique programs, which may have prerequisite courses and include pre-departure sessions and post-trip activities. The average cost of each program is \$4,200 to \$4,800 and the fees typically cover tuition, lodging, meals, activities, and round-trip travel expenses. Limited need-based financial assistance for participation in these trips is available. For more information, contact the Associate Provost or visit the study abroad website.

Other Study Abroad and Domestic Study Opportunities

The College encourages students to pursue opportunities to engage in other domestic study programs. The International and Off-Campus Programs Committee (IOCPC) is available to assist students with the approval process. Various departments at the College also may provide guidance to students who are interested in particular areas of study, from archeology to marine biology. Students should seek guidance from their major advisors, program directors, Chair of the IOCPC, the Associate Provost or the Registrar for more information regarding approval of such programs.

Experiential Learning

The Career Development Center coordinates a range of activities including internships, externships (job shadowing), and volunteer opportunities to assist students in developing career related skills. Qualified sophomores, juniors, and seniors have the opportunity to arrange internships for credit either on campus or in off-campus businesses and organizations. Students receive expert guidance from a sponsoring faculty member and an on-site supervisor. Experiential Learning for academic credit is not available to first-time, first year students in their first full semester except with special permission from the Randolph College Career Center Director.

Students may register for one half (.5) to four experiential learning (EX L) credits and complete them over a session or a full semester. A limit of 8 EX L credit hours may be counted toward graduation.

Tri-College Consortium

Three senior colleges in the Lynchburg area have formed a consortium, increasing the selection of courses open to students and of professors from member schools. The colleges involved, in addition to Randolph College, are University of Lynchburg and Sweet Briar College.

Undergraduate students may enroll, without payment of any additional tuition, in an approved liberal arts course at University of Lynchburg or Sweet Briar College during the academic year, provided the course is not currently available at Randolph College, the prerequisites for the course have been met, and there is space in the class for a guest registrant. To participate, a student must carry a full-time overall course load. Students may not sign up to take more than half of their work at another campus in any one semester, although exceptions can be made by the deans of the institutions concerned. Students wishing to undertake internships for credit offered through the Tri-College Consortium must satisfy Randolph College's eligibility requirements for Experiential Learning and abide by policies governing both Experiential Learning and general Tri-College enrollment as stated above. The *Tri-College Registration* form is available on the portal. Students from University of Lynchburg or Sweet Briar College may enroll in credit-bearing courses at Randolph College under the same arrangement.

Acadeum Consortium

Undergraduate students may enroll in an approved course through Randolph College's Consortium agreement with Acadeum, provided the course is not currently available at Randolph College and the prerequisites for the course have been met. To participate, a student must carry a full-time course load (12 hours minimum) at Randolph College each semester i.e., not including Acadeum courses. Acadeum coursework cannot comprise half or more of the required credits for any degree and/or program.

All courses taken through Acadeum must have prior approval from the Registrar and, where applicable, from the chair of the student's major and/or minor department. Credit earned through coursework undertaken through Acadeum is recorded as a letter-grade on the student's Randolph College transcript and is used in calculating the student's cumulative, major and minor GPA's as well as in determining eligibility for honors, including Latin honors at graduation.

The Writing Program

The Writing Program offers support and resources for the development of writing skills: at every ability level, across the curriculum, and through all four years. All students must fulfill the General Education Writing (WR) requirement (WRIT 1103 or the STAR program's writing component) by the end of the first year, as well as a Writing Intensive (WI) course before graduation. At the end of every session, each faculty member teaching a course with a writing assignment assesses the writing competence of each student in the class. Meanwhile, the English Department offers elective courses in creative writing, the Writing Board awards annual prizes for excellence in writing, and, in the senior year, majors prepare and present seminar papers to their respective departments. Also, the Writing Program maintains the college's Surface Matters publication, an online mini-manual for academic writing. Over four years, essay tests and regular writing assignments undertaken in small class and tutorial settings develop the critical thinking and communication skills that become a lifelong advantage for the liberal arts graduate.

Writing Skills Evaluation

Faculty formally evaluate student writing skills, at the end of each course in which there is a basis for such assessment, using the following scale: Excellent; Adequate for satisfactory academic work; Weak or clearly inadequate, could be detrimental to academic work; No basis for judging writing performance. The Writing Board then submits to the Provost a list of students assessed by two or more faculty members to have demonstrated excellent writing skills.

To ensure that students who need to strengthen writing skills receive the assistance they need, the following procedures have been adopted by the faculty. Any student who receives a rating of "weak" from two different faculty members during a single semester (over the course of two sessions) will be required to elect one of the following options during the subsequent semester in order to maintain eligibility to continue at the College:

1. Enroll in and satisfactorily complete a designated Writing Intensive (WI) course,
2. Complete an individual tutoring program under a contract with the Director of the Writing Program in the Writing Lab, or
3. Pass a writing proficiency examination to be prepared and evaluated by the Writing Board.

The choice of option will be made by the student based upon the recommendation of the Director of the Writing Program in consultation with the faculty advisor.

Writing Intensive Courses

Writing Intensive (WI) courses, required as part of the General Education Program, require at least two writing assignments. They contain units devoted to two important areas of college writing:

1. Rhetorical strategies, such as illustration, classification, comparison/contrast, cause/effect, definition, process analysis, explication, argument, description, and narration; and
2. Documentation: At least one assignment will require appropriately documented quotes and/or paraphrases.

Though time spent on each unit will be determined by the individual instructor, students will write a minimum of 2,000 words over the course of the session. Writing Intensive courses offer individualized writing feedback, addressing higher order concerns, such as thesis and organization, while taking into account individual needs and backgrounds.

The Senior Program

The Senior Program is the culmination of a student's undergraduate studies in the major field. It should be a well-integrated and unified body of intellectual work that will permit evaluation of the student's initiative and independence in organizing, relating, and applying significant ideas within a major field. The form of evaluation shall be determined by each department. Evaluation can be achieved in many cases within the framework of a senior seminar, but alternatives or supplements such as the following may be used:

- 1) a project with results presented in either written or oral form,
- 2) a recital or exhibition,
- 3) an Independent Study Program, or
- 4) a program of courses.

An Honors Program may be designed to subsume any of the above. A brief description of the Senior Program for each department appears under *Academic Programs and Courses of Instruction*. All requirements of the Senior Program must be completed and results reported by the date that senior grades are due in the Registrar's Office. A student who has failed the Senior Program will not be eligible to receive the degree at Commencement of that year, but may, with the approval of the department, make up any deficiencies within a period of three years and receive the degree at the next Commencement following meeting all the requirements for the degree.

Academic Advising

To facilitate their growth and to help them reap the greatest benefit from the academic opportunities that the College affords, students need sound advice from faculty mentors whose familiarity with the academic program can foster students' own strategic thinking about the college years, not as eight separate semesters, but as integrated stages of a personal four-year educational plan. Consequently, an advising process that takes into account their evolving strengths, intellectual interests, and career plans is critical to helping students assess their academic and extra-curricular options, to select wisely, and to make meaningful connections. The kind of advising system that is consistent with the College's philosophy is one that views the college years as an integrated four-year process, encourages students to be equal partners with faculty in the advising relationship, and involves collaboration of faculty with student affairs and career development staff to coordinate services and share information about student activities, internships, and study abroad programs.

Each student works with an advisor to devise an academic program that meets requirements in skills and breadth of learning, major requirements, and, if the student chooses, requirements for a minor program. Reflective of the College's emphasis on developing a student's sense of responsibility, the advising process gives primary responsibility for establishing the academic program to the student.

Prior to matriculation, students are assigned a faculty advisor. These students may remain with this advisor until they declare a major, usually by the second semester of the sophomore year. Departmental chairs or their designated faculty representative(s) serve as advisors to students in the major. Each student who declares a minor is advised by the department chair, designated departmental representative, or program coordinator.

Pre-professional advisors in pre-law, pre-vet, the health professions, engineering, and teacher education are available to students interested in pursuing these career areas. See *Programs for Specific Careers* for more detailed information.

In addition, community service, leadership activities, athletic participation, and career development have the potential to enhance a student's formal academic learning. As with academic coursework, students stand to benefit most from making strategic choices about the roles and experiences, both on and off campus, that will develop their leadership capabilities, challenge them to discover new talents, and support their career goals.

The Randolph Plan

The Randolph Plan is a way of looking at the undergraduate degree program, or a methodology for the journey from Orientation to Commencement. It is a process for addressing short- and long-range personal, educational, and professional goals.

It is our goal to provide students with the resources and guidance that will enable them to chart a degree program that is coherent, strategic, and uniquely tailored. Students work with a faculty advisor and staff members to create their own versions of The Randolph Plan, mapping out their plans, using interests, values, and goals as the basis for decisions about the curricular and co-curricular programs at the College—the major, minor, course electives, internships, jobs, volunteer work, leadership commitments and extra-curricular activities. The overview of *The Randolph Plan* that follows describes the goals and events of the undergraduate academic experience at the College and shows the parallel processes taking place from the perspectives of the career development staff and staff involved in the co-curricular life of students at the College.

First-Year: Academic Exploration and Career Assessment

In the first year, the academic focus is on acquisition and honing of basic skills and competencies and the exploration of a wide variety of disciplines. Academic policy requires all first-year students to take courses in four different departments in their first year. The emphasis on General Education Program requirements complements this exploration and competency development. Students begin to identify strengths and weaknesses and to explore interests, a vital experience in preparation for the decisions to follow.

In the career development process, the first year is a time of self-assessment, a time for students to get to know themselves and to begin to identify interests (what they like to do), skills (what they do well), and values (what things are important to them). Thus, a first-year student is encouraged:

- to begin to identify career goals through readings, informational meetings, and assessment administered by the Career Development staff;
- to become familiar with various career options and assess possible interest in those fields through observation and an examination of the career information;
- to explore academic disciplines, preparatory to establishing a major, which are of greatest interest and support to possible career choices;
- to become involved in campus activities which reflect interests and to begin to accept responsibilities in organizations in order to establish a track record of achievement that is attractive to employers and graduate schools; and
- to develop a work-in-progress resume.

Sophomore Year: Academic and Career Exploration

In the sophomore year, there is continuing focus on competency and skills development and on exploration in course selections through further attention to requirements. Each student declares a major by the end of this year. Practically speaking, this emphasis on competencies and skills, interests, and exploration makes it possible for students to have earned prerequisites for several major options and prerequisites for minors and supporting programs that can enhance the major and support career goals.

To meet career development goals, the sophomore year is a time for the student to gather information and continue self-assessment. Activities should include:

- reviewing, revising, and/or reaffirming interests, skills, and values in an effort to evaluate assets and liabilities;
- accepting leadership roles on campus to expand a track record;
- continuing to explore possible areas of career interest and learning what preparation is needed for certain fields under consideration, particularly through informational interviewing, where the student can talk with a person successful in that field and learn more about how one prepares for it, what it involves, and what the current possibilities of employment and advancement in it are;
- trying out a career field through an internship; and
- continuing to develop a work-in-progress resume.

Junior Year: Academic Specialization and Career Experimentation

The academic focus in the junior year is on specialization. While there is still attention to requirements, students begin to see them in a different way, discovering that although they may seem to divert attention from high-level interest courses, they can contain content that will serve as enrichment and background to the major, require skill development that will improve competencies in the major, and provide knowledge and exposure that will make the major more marketable in the chosen career field.

The College's academic program offers students the option of declaring a minor and, in some majors, to emphasize areas of study within the major discipline in the form of an emphasis.

The student in the junior year should focus more seriously on the career fields of the greatest interest. The student is encouraged:

- to participate in Experiential Learning (Internships), working with a staff member to select possible sites, and to define projects that will provide an opportunity to try out career fields;
- to evaluate what background and skills are important for the career field of interest and then to set goals for acquiring the courses or experiences that will enhance employability in these fields;
- to become involved in leadership capacities in organizations and committees;
- to attend seminars and workshops relating to career decision-making; and
- if graduate school is an option, to begin researching those graduate schools that best fit the student's needs and goals and to determine entrance requirements and required tests as well as deadlines for application. Graduate school information and catalogs are available from Career Development staff, along with test booklets for all major pre-professional tests.

Senior Year: Academic Specialization and Career Decision-making

Specialization continues throughout the final year, and the Senior Program serves as the “capstone” for the specialization. During the senior year, the student clarifies goals and commits to achieving those goals.

The course of action taken depends on whether the student has chosen to seek employment or to pursue graduate study; many seniors continue to consider both for at least part of the final year. The senior seeking employment:

- prepares a search campaign, targeting employers, making contact with them, and learning to interview through workshops, resource information, and mock interviews which may be videotaped and discussed;
- writes a senior resume in an individual or group session with staff;
- opens a credential file for recommendation letters supporting employment or future graduate/professional school application;
- participates in job fairs that provide access to employers interested in employing students with liberal arts degrees;
- accesses current job openings through the Internet, the Job Hotline, job bulletins, and alumnae job referrals; and
- interviews and evaluates offers.

Academic Computing Resources

Though not required, all students are strongly encouraged to bring a PC laptop or MacBook for class use; however, desktop computers are available in campus labs for student use 24 hours a day, seven days a week. Laser printers and scanners are also available in most labs. Access to a color laser printer is available at the Help Desk, located on the fifth floor of the Leggett building, for special projects. For printing purposes, students are provided a paper allocation each semester. Students do not need to bring a personal printer, as printing may be done from your personal computing device, directly to one of many web-connected print release stations located across campus or students may print from a lab computer directly to a printer located in the lab. Microsoft Office 365 is also conveniently provided for use to enrolled students.

Web-based information resources on the portal can be accessed from any internet connected device by navigating to inside.randolphcollege.edu. From this site, students can access a variety of college information including announcements, college email, and PowerCampus Self-Service. Self-Service allows students to view their records, including billing and financial information, class schedules, and grades. Moodle course management software is also accessible through the portal

and allows professors to interact with students providing syllabi, class notes, and discussion groups. Access to student computing, registration, and course management resources will not be granted to degree-seeking or non-degree-seeking students (all programs) until all application materials, including address information and photo ID if applicable, have been received. For additional information, please visit <http://www.randolphcollege.edu/it>.

Academic Services Center

The Academic Services Center (ASC), located on the 4th floor of Lipscomb Library, offers free access to subject tutoring, an Academic Strategies lab, a Writing Lab, and Access Services throughout the entire academic year, including summer sessions. Additionally, the ASC works alongside Student Success to offer individualized first-year academic support through the STAR bridge program and through LMA peer mentoring. Group study sessions and embedded tutoring services are assigned based on course need and/or request. The majority of the ASC's services are offered both in person and online, with asynchronous options available through the Writing Lab.

Peer subject tutors are available for the majority of 1100- and 2200-level courses. Academic Strategies tutors assist students with broader areas of study skills, and with life skills (e.g., time management, note-taking, self-care). The Writing Lab is a responsive reader service for student, staff, and faculty writers. Tutors in both labs work one-on-one with students on a referral, walk-in, self-scheduled appointment, or contract basis. Students on academic probation (overall GPA <2.0) are required to meet with the Director of the ASC to set up ongoing tutoring sessions based on individual needs. Students may schedule appointments electively using a web-based reservation system.

The ASC also houses an evolving pool of academic resources for student and faculty access through both its website and its "Academic Strategies at Randolph College" Moodle page. Resources are updated regularly (with requested input from students/faculty), and include handouts, templates, strategies, writing manuals, and self-guided exercises for fostering a meaningful and flourishing academic life at Randolph College.

Randolph College is committed to providing learning experiences that are accessible for all students, and will make reasonable accommodations for individuals with documented disabilities. Students with a disability and who require accommodations should contact the Coordinator of Access Services at 434-947-8132.

Access Services and Accommodations for Students with Disabilities

Located within the Academic Services Center, the office of Access Services works to provide learning experiences that are accessible for all students. In compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, the Coordinator of Access Services ensures that students with disabilities are provided equal access and reasonable accommodations appropriate to their disability in all College programming and academic pursuits. Disclosure by the student and a meeting with the Coordinator of Access Services are required in order to determine eligibility for accommodations due to a disability. The Coordinator of Access Services interviews the student, reviews documentation, and determines if specific accommodation requests are reasonable and appropriate. Students requesting accommodations should contact the Office of Access Services at (434) 947-8132.

Career Development Center (CDC)

The Career Development Center provides a number of services to students and alumni. Individual assistance is available in planning and executing a job search or preparing an application for graduate or professional school. Students can explore majors and career options through self-assessment programs. Job shadowing and internship opportunities are provided to students and are offered as credit bearing or non-credit bearing. Internships offerings include a variety of work settings and are accompanied with intentional learning goals. Whether a student is going into the world of work or into graduate school upon graduation, such activities are strongly encouraged to strengthen a student's career development.

The Center also provides programming to include career fairs, career-related workshops, access to job and internship listings, and a career resource library and comprehensive career website. The curriculum provides excellent preparation for graduate or professional school. As early as possible in the undergraduate years, students should coordinate their academic programs with the entrance requirements of the schools or programs of interest. Information about graduate study is available through academic department chairs, faculty members, and the CDC. It is strongly recommended that students wishing to apply to a graduate or professional school program complete at least one internship that relates to that field of study, during their college experience.

Center for Ancient Drama

With the Mabel K. Whiteside Greek Theatre at its heart, this center coordinates the Randolph College Greek Play and organizes the Ancient Drama in Performance Conference, each of which provides resources and experiential opportunities for students who are interested in the study of classics and ancient drama.

Center for Student Research

The Center for Student Research helps students engage in meaningful research that enhances their education and their preparation for graduate studies, careers, and other opportunities after college. The Center coordinates the Summer Research Program (see below), the RISE Program, MARCUS (Mid-Atlantic Regional Conference for Undergraduate Scholarship), the Lunch and Learn Program, and the Symposium of Artists and Scholars.

Summer Research Program

The Randolph College Summer Research Program (SRP) provides the opportunity for collaborative scholarly work between students and faculty, while cultivating a community of scholars and supporting the professional development of students. The SRP is open to students in all disciplines and offers stipends and on-campus housing, as well as field trips and social activities. Funding to support each project is available, as are competitive travel grants for students and their faculty mentors to present their work at conferences during the following academic year.

Ethyl Science and Mathematics Center

The Ethyl Science and Mathematics Center provides science and mathematics students and faculty an innovative facility for study and discussion. The Center's library includes a collection of information on careers in science and mathematics in addition to textbooks, reference materials, and trade books on science and mathematics topics. The small computer lab has a variety of specialized math and science programs.

International Programs and Study Abroad Office

The Associate Provost provides expertise and support through planning, advising, coordinating, and promoting off-campus study opportunities to both students and faculty.

Lipscomb Library

Lipscomb Library provides access for students to the intellectual and creative resources that support the liberal arts curriculum. Service to users is a primary focus, as well as providing guidance that encourages the process of discovery. The Lipscomb Library experience helps students gain confidence and competence on life's information journey.

Lipscomb Library's in-house collection of over 200,000 volumes provides books; magazine and journal titles with backfiles in microform and paper; and extensive holdings in audiovisual formats. Lipscomb Library's online collection of over 700,000 volumes offer e-books; electronic newspapers, magazine and journal titles with backfiles; and streaming video. Over 100 electronic databases enhance students' research experiences.

Lipscomb Library provides special-purpose areas designated for group study, reserve materials, multimedia, and children's literature. Other features include computers, printers and scanners; periodical and current reading rooms; microform reading and printing; and copy machine. Special collections can be found in the Watts Rare Book Room, the Lininger Children's Literature Browsing Room, and the College Archives.

Maier Museum of Art

The Maier Museum houses the College's collection of American paintings and works on paper which began in 1907. The collection's breadth and quality have been cited by curators and collectors as one of the finest collections of American art in the country. Works by Benny Andrews, Jennifer Bartlett, Thomas Hart Benton, Mary Cassatt, Thomas Cole, Arthur Dove, Thomas Eakins, Sam Gilliam, Hans Haacke, Childe Hassam, Robert Henri, Winslow Homer, Edward Hopper, Jacob Lawrence, John Marin, Elizabeth Murray, Georgia O'Keeffe, Philip Pearlstein, Maurice Prendergast, Betye Saar, J.A.M. Whistler, Carrie Mae Weems, Kehinde Wiley, and Andrew Wyeth are among the works on rotation in the Museum's galleries.

Many other paintings hang in hallways and study areas throughout the campus, reflecting the College's belief that the first-hand study of art is an essential component of a liberal arts education.

The collection and staff of the Maier Museum of Art are integral to both the museum and heritage studies major and the minor in museum studies. Both of these academic programs provide students with an understanding of the role of museums in society and the range of career possibilities within museum work. The Maier staff teaches in the program so that students can learn from professionals in the field and the Maier collection allows students to work directly with works of art in many of the courses. The major and minor capitalize on the collections on campus and the relationships the College has with institutions around the world which offer our students exceptional learning experiences in arts management, historic preservation, and art conservation. The College's unique partnership with the National Gallery, London, affords Randolph students the exclusive opportunity to intern there in the summer.



COURSEWORK

Course Load: Undergraduate

For full-time status an undergraduate student normally maintains a course load between 12 and 20 credit hours each semester (between 8 and 10 credit hours per session) exclusive of physical education activity courses. The typical course load in order to graduate in eight semesters and achieve the required 124 credit hours is approximately 16 credit hours per semester (8 credits per session). A student enrolling in more than 20 credit hours is considered to be maintaining a course overload. Overloads are not allowed during a student's first year, and overloads are not allowed thereafter unless the student has consulted their advisor. Overloads are not recommended unless the student has received a cumulative grade point average of at least 3.0 in the previous semester and has a cumulative average of at least 2.75. The College charges a fee for credits in excess of 20 for which the student is not already paying an additional fee.

Traditional undergraduate students may not take fewer than 12 credit hours (exclusive of physical education activity courses) in any semester except under extraordinary circumstances and with written permission from the Associate Provost. First-time, first-year students are required to take a minimum of 4 credits per session in both semesters of their first year at the college. During all subsequent terms, all full-time, traditional students are required to take a minimum of 1 credit hour in the first session of each semester (Sessions One and Three) which may not be a physical education activity course only. It is recommended that students register for no fewer than 6 and no more than 10 credits in any session.

Students must take a minimum of 12 credits during a semester to be eligible for full-time financial aid. Registering for fewer than 12 credits in a semester or 6 credits in a session may have financial aid and/or housing implications. For further information, contact the Provost, Business, Financial Aid, and/or Dean of Students offices.

Nontraditional students who may be enrolled on a part-time basis are exempt from this regulation.

For full-time status, a graduate student normally maintains a course load of at least 9 credit hours each term.

Registration and Add/Drop

Registration is required before a student may attend classes. Specific registration information is available at the Registrar's Office, in the class schedule, and on the Students tab on the portal. After the initial registration each semester, students may make adjustments to their schedule within the following time frames. A student may add courses through the third day of the session. A student may drop a course during the first two weeks of the session and not have the course become a part of the student record. Summer sessions follow a different schedule. See the *Summer Programs* section of this catalog and Summer information located on the Randolph College website at: <https://online.randolphcollege.edu/>.

Class Meetings and Attendance

All undergraduate courses meet for a minimum of 75 minutes of scheduled class time per week, with approximately 265 weekly minutes of independent learning, for each credit hour awarded (assuming a seven-week course calendar). This total of 340 educational minutes per week is equivalent to that of the traditional credit hour definition, which is based on 50 minutes of

scheduled class time and 120 minutes of out-of-class work for each credit hour, applied to the traditional 14-week course calendar. Additional out-of-class work is assigned by faculty specifically to augment class meetings and maximize the concentrated learning experience.

At the beginning of each session, faculty members are responsible for making clear their individual policies on students' attendance and participation in class. In line with this policy, each student assumes responsibility for attending scheduled classes. An absence does not relieve the student from responsibility for the work required while the student was absent.

Class Work

A student must obtain, in advance, specific permission from all professors involved in order to submit a particular paper, or similar papers, for credit in more than one course. All written work for courses undertaken must be turned in no later than 4:30 p.m. on the last day of classes of the session. Papers serving as whole or part of final examinations must be turned in no later than the end of final examinations of the session.

Course Examinations

An examination or its equivalent shall normally be given in each course at the end of each course; all students are required to take these examinations. A period of approximately two and a half days is set aside for examinations at the end of each session. Students are responsible for deciding at what time during this period they will take each of their examinations. No student may take a final examination in a course at any time except within the period officially set aside for this purpose without the written permission of the Associate Provost. All tests and examinations, including self-scheduled exams, are conducted under the Honor System. Any violation of the trust which this involves is considered a serious offense. Exam periods are shortened for shorter Summer term classes but all other policies remain. See *The Wildcat Way: The Randolph College Student Handbook*, available at: <https://www.randolphcollege.edu/student-handbook> for further details

Course Repeats

If a grade of D+, D, D-, or F is earned, the student may elect to take the course again. Courses with grades above D+ may not be repeated, and a specific course normally may be repeated only once. The subsequent grade will replace the original in the grade point average, but both grades will appear on the transcript. Credit will be granted for the course only once. This policy is only for courses taken at Randolph College. The policy is in effect beginning Summer 2018 and affects only course repeats taken Summer 2018 and later. Currently enrolled students who previously repeated a course are still subject to the prior policy. While a student can gain credit to fulfill a requirement by transfer, tri-college or Acadeum consortium courses, a student cannot replace a Randolph grade by taking a course elsewhere. There is no guarantee that a course will continue to be offered and be available to be repeated. This means that it will not always be possible to repeat a course to eliminate a lower grade from the grade point average.



GRADES AND CREDIT

Grading System

The system used in assigning and recording grades is as follows:

| <u>Grade</u> | <u>Explanation</u> | <u>Grade</u> | <u>Explanation</u> |
|--------------|--------------------|--------------|----------------------|
| A, A- | Excellent | AU | Auditor |
| B+, B, B- | Good | S | Satisfactory |
| C+, C, C- | Satisfactory | W | Withdrew from Course |
| D+, D, D- | Passing | I | Incomplete |
| F | Failure | P | Passing |

Grade Point Average

The academic average for work carried at Randolph College is the ratio of grade points earned to credit hours for which a letter grade is recorded. The grade points per credit hour for each grade are as follows:

| | | | | | |
|--------------|--------------|-------------|-------------|---------|--|
| | B+ 3.3 | C+..... 2.3 | D+..... 1.3 | | |
| A 4.0 | B..... 3.0 | C 2.0 | D..... 1.0 | F.....0 | |
| A- 3.7 | B- 2.7 | C-..... 1.7 | D-7 | | |

Excluded from the computation of the grade point average are S, SP, W, and I. (These grades are explained below.) P is also excluded, except as indicated under Course Repeats.

The computation of grade points does not include courses taken at other institutions except where Randolph College has affiliation or consortium agreements. (See “Transfer of Credit” and “Study Abroad.”) Credit earned through coursework undertaken through consortium or affiliated programs is recorded as a letter-grade on the student’s transcript and is used in calculating the student’s cumulative, major and minor GPA’s. Credit earned through coursework undertaken through non-affiliated programs is awarded transfer credit only and is not used in calculating the student’s GPA. Students must receive a grade of C- or higher in order to receive transfer credit.

Pass Grade

A grade of P is given only when registration is on a Pass/Fail basis.

Pass/Fail Option

Under the conditions listed below, student may choose to take courses on a pass/fail basis:

- the student has completed at least twelve credit hours at a regionally accredited college or university;
- the student has the permission of the instructor and the faculty advisor;
- the student is applying to take only one course on this basis during that semester; and
- the student fills out the appropriate form available on the portal or through the Registrar’s Office.

Departments also have the option of designating certain courses to be taken only on a pass/fail basis. Students enrolled in a pass/fail only course may still register for one optional pass/fail course. Courses taken on a pass/fail basis may not be used to fulfill the minimum requirements for a major or a minor unless the course is being offered only on a pass/fail basis. Non-degree international students participating in Randolph College exchange programs are exempt from the regulations above, and are allowed to take up to 9 credit hours each semester on a pass/fail basis with the approval of the faculty members involved and the Associate Provost.

Audit

A designation of AU is given when a student has registered as an auditor and has met the requirements set forth by the instructor for the audit. An auditor has the privilege of attending classes but receives no credit. To audit a course, a student must obtain written permission from the instructor and from the faculty advisor. Student may not audit courses in art studio, music performance lessons, physical education activity courses, and science courses with required laboratory. If the requirements set by the instructor for the audit are not met, the course will be removed from the student’s academic record.

Satisfactory Grade

A grade of S is given in the thesis seminar for the Master of Education Program when the student is making satisfactory progress and needs additional time to complete the thesis. It will remain on the transcript to indicate that the thesis work is ongoing.

Incomplete Grade

If a student has completed the majority of course work satisfactorily but is unable to complete the course because of illness or other circumstances beyond his/her control, the college may grant a temporary grade of *Incomplete (I)*.

Course work: The *I* grade may be granted if a student cannot complete all the required course work. The instructor must submit an *Incomplete Grade Form* (available on the portal) by 4:30 pm on the final day of classes for that session.

Final exam: The I grade may be granted (in an emergency situation only) if a student cannot take the final exam during exam week.* This grade of I may be granted only by the Associate Provost, who shall notify the faculty member of the decision. (Note: If a student will be “not enrolled” or “not in residence” in the subsequent session, the student must obtain written permission from the instructor to take the exam off campus and submit that permission to the Associate Provost.)

A grade of *I* automatically becomes an *F* unless (1) the student has submitted all required work to the instructor by the end of the first week of classes of the following session and (2) the faculty member has filed a change of grade form in the Registrar’s Office before the end of the second week of classes of the following session. (The specific dates for these deadlines will be identified in the academic calendar for the session in question.) “Following session” here denotes the next academic session in the following sequence: Fall Session 1, Fall Session 2, Spring Session 3, Spring Session 4, First Five-Week Summer Session, Second Five-Week Summer Session, Fall Session 1, etc.

If the incomplete course is a prerequisite for a course in which the student is registered in the next immediate session, the student must receive permission of instructor to continue in the subsequent course while the incomplete grade is being resolved.

Grade Change Policy

A change in a recorded grade must be made in writing within one calendar year of the date the grade is originally assigned. Instructors should complete a *Change of Grade* form available in the Registrar’s Office (this form is not available on the portal). Change of I grades require only the instructor’s signature. Change of grades other than the grade I may be made by a professor only with the consent of the Provost of the College, who must also sign the Change of Grade Form.

Grade Reports

In order for a student to receive a grade or credit in a course, the student’s name must appear on the official class list provided by the Registrar’s Office. Students and faculty advisors have electronic access to grades throughout each academic session.

Dean’s List

At the end of each semester the College publishes the Dean’s List. To qualify for the Dean’s List, students must earn a minimum of 3.5 semester GPA (rounded to one digit after the decimal) with no grade lower than a D.

A student whose record contains an *Incomplete* (I) is not eligible for the Dean’s List until that I is changed to a letter grade; at that time, the student becomes eligible provided that the other requirements are met. When a student has been named to the Dean’s List, a notation is included on the academic record. Part-time students carrying fewer than 12 hours per semester are recognized on an annual Dean’s List covering the full year’s work.

Academic Alert

The professor shall file an Academic Alert with the Director of Student Success whenever a student’s progress in a course (any session of Fall, Spring or Summer) is unsatisfactory or when the midsession or final grade is a D+ or below. During the Summer, the Director will, via email, counsel Randolph students who receive alerts for online coursework. During the Fall and Spring sessions, copies of academic alerts are sent to the student and to the student’s faculty advisor who counsels the student; after two alerts have been received for a first-year student, sophomore, or junior, or one for any senior, the Director of Student Success also counsels the student.

Commendations

Faculty members may also submit a commendation for any students doing exceptional work in a particular course, project, examination, or paper. Copies of the *Commendation Form* will become a part of the student’s file and will be forwarded to the academic advisor.

Transfer of Credit

Work done at another regionally accredited institution will be considered for transfer credit at Randolph College. In order to be acceptable for transfer, a course does not necessarily need to duplicate exactly a course offered at Randolph College; however,

approval is based on the appropriateness of the course to a liberal arts degree program of study. To be considered for transfer credit, all course work should be collegiate level and relevant to the liberal arts degree program of study, with course content and level of instruction resulting in student competencies at least equivalent to those of students enrolled in Randolph College's own undergraduate degree program. In assessing and documenting equivalent learning and qualified faculty, the College may use recognized guides that aid in the evaluation for credit. Such guides include those published by the American Council on Education, the American Association of Collegiate Registrars and Admissions Officers, and the Association of International Educators. Students may appeal to the Board of Review to have coursework from nationally accredited or other post-secondary institutions considered for transfer credit. In support of such an appeal, the student may be asked to provide substantial additional information (textbook information, instructor credentials, contact hours, etc.). The student who is transferring credits to Randolph College is responsible for having an official transcript of work mailed to the Registrar as promptly as possible.

General Transfer of Credit Policies

- Each course selected for transfer must not duplicate a course already completed or a course to be taken at Randolph College.
- A grade in the C range or better must be earned in each course considered for transfer to Randolph College.
- Courses offered on a pass/fail basis **only** will be considered for credit; courses taken on an **optional** pass/fail basis are not awarded credit.*
- At the undergraduate level, a maximum of 72 credit hours may be transferred toward Randolph College requirements.
- At the graduate level, a maximum of 6 to 9 credit hours may be transferred to Randolph College. (See details related to each graduate program in this catalog.)
- Modern language courses taken online must have an acceptable oral/aural component.
- Online courses with an accompanying laboratory component require additional review by the department to be considered for transfer.
- No grade earned elsewhere will be recorded on the Randolph College transcript nor will the hours of credit and grades earned be included in computing the academic average, with the exception of grades earned at certain institutions with which Randolph College has consortium or affiliation agreements. For a list of affiliated study abroad programs, see the *Study Abroad* section of this catalog. For a list of consortium programs see below.
- Transfer credit is granted based on credit earned at the awarding institution. When approved, these courses may count toward a student's major or minor. However, for students transferring to Randolph from institutions that follow a standard semester hour system (where most academic courses are valued at 3 semester hours), this may result in a shortfall of credit in majors and minors in the TAKE2 curriculum. In such cases, the college will waive the shortfall of credit. This policy applies only to total hours toward majors and minors resulting from the transfer of courses. Students must still fulfill all residency requirements and meet all course requirements for each major and/or minor. This waiver also does not apply to overall hours toward graduation. All other major, minor and degree requirements must also be met.
- Credit awarded for Advanced Placement and/or International Baccalaureate is counted toward graduation but is not used in calculating the student's grade point average. Such credit, if deemed equivalent to a Randolph College course, may also be used to satisfy any major, minor and/or general education requirement fulfilled by the equivalent course when taken in residence at the College.

** Randolph College will consider for transfer credit, courses taken on a provisional pass/fail basis during the COVID-19 pandemic only. In such cases, documentation from the transfer institution outlining policies specific to COVID-19 grading and applicable terms will be reviewed and taken into consideration in the evaluation of the course for transfer credit, either toward graduation and/or toward a student's major/minor program. Decisions will be made on a case-by-case basis, and transfer of credit is not guaranteed.*

Transfer Pre-Approval Process

Current students interested in pursuing any type off-campus work should note the following in selecting courses and assessing credit potential. All courses taken elsewhere, including those appearing on pre-approved lists, must be approved in advance by each student's faculty advisor(s) and by the Registrar. Approval is obtained by completing a *Transfer of Credit Approval* form. A course not approved in advance for each student may not be approved and may not count toward particular academic requirements. Students should read major, minor, and degree requirements carefully before taking a course off-campus. It is also preferable for a student to take the basic courses in the department in which the student plans to major at Randolph College. Courses taken to fulfill General Education Program, major, or minor requirements require special approval, which must be noted on the *Transfer of Credit Approval* form.

Pre-Entry Credit/Placement Policies

There are several ways in which students can receive credit or advanced placement for college-level work completed prior to entry, as follows:

Advanced Placement Program (AP)

The College participates in the Advanced Placement (AP) Program conducted by the College Board by awarding academic credit or advanced placement to entering students who have made specified scores on AP examinations taken prior to entry to the College. Accepted students should have AP score reports sent directly to the College (College code 5567) in the Summer following the senior year of high school.

Faculty members of the appropriate academic departments establish policies for academic credit and advanced placement in each discipline. Entering students who have earned scores of “3” or better on AP Program examinations may be considered for advanced placement in college courses and for credit toward graduation, at the discretion of the department chairs involved. Most departments require a minimum score of “4” before granting credit. Upon request, the Registrar will provide details of department policy.

Credit awarded for Advanced Placement is counted toward graduation but is not used in calculating the student’s grade point average. Such credit, if deemed equivalent to a Randolph College course, may also be used to satisfy any major, minor and/or general education requirement fulfilled by the equivalent course when taken in residence at the College.

College Courses Taken prior to High School Graduation

College courses taken while in high school will be considered as part of transfer credit and can be transferred contingent upon compliance with policies and procedures outlined in the *Transfer of Credit* section.

College-Level Examination Program (CLEP)

Applicants offering scores on a CLEP Examination will be awarded credit provided 1) the examination is a Subject Examination covering a subject area offered in the Randolph College curriculum, 2) the examination is taken prior to entry, and 3) the score received is equal to or better than the mean test score of students who earn a grade of C in the corresponding course. The amount of credit awarded is determined by the corresponding program according to the coverage of courses in that program. Subject Examinations in foreign languages will not be afforded credit unless they represent a level of achievement beyond that of previous high school or college preparation.

GCE A-Levels

Students may submit official results of General Certificate of Education (GCE) A-Level examinations for consideration of academic credit if such examinations are taken prior to entry. No grade below C is considered and no credit is awarded for AS-level, AO-level, or O-level results.

International Baccalaureate (IB)

The College recognizes the successful achievement of students participating in the curriculum of the International Baccalaureate organization. The student who has earned individual course Certificates or Program Diplomas may submit credentials for evaluation. Entering students who have earned scores of “5” or better on IB Higher Level Subject Examinations may be considered for advanced placement in college courses and for credit toward graduation, at the discretion of the department chairs involved.

Credit awarded for International Baccalaureate is counted toward graduation but is not used in calculating the student’s grade point average. Such credit, if deemed equivalent to a Randolph College course, may also be used to satisfy any major, minor and/or general education requirement fulfilled by the equivalent course when taken in residence at the College.

Military Credit

Credit will be allowed for military service school experiences if credit is recommended in *The Guide to the Evaluation of Educational Experiences in the Armed Services* produced by the American Council on Education and if the course work is

relevant to the liberal arts curriculum offered at Randolph College. A copy of official discharge papers (DD-214) and official military transcripts should be submitted to the Registrar's Office for evaluation.

Randolph College Placement Tests

Placement tests in English, mathematics, and foreign languages are administered online and/or during Orientation Sessions. Students who demonstrate college-level ability may be granted placement and/or exemption from certain requirements.

VCCS Associate Degree General Education Waiver

Incoming students possessing a specific type of associate-level degree from the Virginia Community College System (VCCS) will be exempt from Randolph College General Education requirements. Eligible degrees include the Associate of Arts, Associate of Arts and Sciences, Associate of Fine Arts, or Associate of Science, awarded by a VCCS institution during or after the 2021–2022 academic year. The degree must appear on an official transcript.

Transcripts

Current and former students may request that copies of their transcripts be forwarded to other educational institutions, employers, or any person designated by the student. Students must authorize release of their transcript by completing a *Transcript Request* available in the Registrar's Office or on the Registrar's website. There is a \$5.00 per copy fee for a transcript. Electronic (PDF) transcripts, rush service, and overnight delivery are available for an additional fee. Generally, transcript requests will be processed within five working days.

Due to limitations on access to student information under the Family Educational Rights and Privacy Act of 1974, telephone and third party requests for transcripts cannot be honored. The College also does not release transcripts if there are outstanding financial obligations.

As required by the Code of Virginia, the Registrar must include a notation on the transcript of any student who has been suspended for, has been permanently dismissed for, or withdraws from the institution while under investigation for an offense involving sexual violence. See *The Wildcat Way: The Randolph College Student Handbook*, available at: <https://www.randolphcollege.edu/student-handbook> for details.



ACADEMIC STATUS

Load Classification

Student load status is calculated according to the following parameters:

| | Undergraduate Students | Graduate Students |
|----------------------------|-------------------------------|--------------------------|
| Full-Time | Minimum 12 | Minimum 9 |
| QT (3/4 Time) | Minimum 9 | Minimum 6.5 |
| Half-Time | Minimum 6 | Minimum 4.5 |
| Less Than Half-Time | Minimum 0.5 | Minimum 0.5 |

Enrollment statuses are the same for every term: Fall, Spring, and Summer.

Class Classification

The classification of an undergraduate student during any academic year will be the responsibility of the Registrar. Full-time, undergraduate students are expected to maintain progress towards degree completion according to the chart below:

| | |
|-----------------------|--|
| First Year | First Semester: 0 to 12 completed credit hours Second Semester: greater than 12 and up to 24 completed credit hours |
| Sophomore Year | First Semester: greater than 24 and up to 41 completed credit hours Second Semester: greater than 41 and up to 56 completed credit hours |
| Junior Year | First Semester: greater than 56 and up to 75 completed credit hours Second Semester: greater than 75 and up to 88 completed credit hours |
| Senior Year | First Semester: greater than 88 and up to 108 completed credit hours Second Semester: greater than 108 and up to 124 completed credit hours |

Students wishing to change their anticipated graduation year should consult with the Registrar or the Associate Provost.

Academic Standing: Undergraduate

In order to achieve the graduation requirement of 124 hours with a cumulative grade point average (GPA) of 2.0, a student must attain an average grade of C in all courses (not including those taken on a pass/fail basis). Experience shows, however, that First Year, First Semester students who have difficulties in their first semester frequently make sufficient improvement in subsequent semesters to overcome their deficit in grade. For this reason, the College has set a rising scale of minimum requirements based on completed credit hours.

Rank

The College will not release information on a student's specific rank in class. However, if a student desires it, the College will release information regarding academic standing according to the following classifications: top 1% of the class, top 5% of the class, and each decile of the class.

Not-Enrolled-Student Status

If a student wishes to take a leave of absence from the College for medical or personal reasons, the student must apply to the Associate Provost. *Not-Enrolled-Student Status Application* forms are available in the Office of the Associate Provost. Re-entry to the College is assured provided plans have been approved, carried out, and all previous financial obligations have been met.

Withdrawal from Course(s) and/or the College

These policies pertain to academic withdrawal from courses and/or the College. For information on the effect of withdrawal on student charges, see the "Withdrawal and Refunds" section of the Tuition, Fees, and Expenses chapter of this catalog. For information on the implications of withdrawal on financial aid, see the "Withdrawal and Financial Aid Adjustments" section of the Scholarships and Financial Aid chapter of this catalog.

Withdrawing from a Course

A non-punitive grade of W is recorded if a student withdraws from a course after the drop period but prior to the designated last day to withdraw for that session, as per the Academic Calendar. Failure to submit the appropriate request form prior to that deadline results in the recording of an automatic grade of F. Exceptions may be made for medical or other serious mitigating circumstances, but these must be documented and submitted to the Associate Provost for evaluation. Documentation must include a certification by the faculty member that the student was making satisfactory progress at the time of the mitigating circumstances.

Withdrawing From the College

The Associate Provost oversees voluntary withdrawals from the College. Any student on the undergraduate or graduate level planning to withdraw from the College, at any time during or at the end of a semester, must complete the exit process initiated by submitting a *Request for Withdrawal from Randolph College* online form.

Successful withdrawal from the College will initiate withdrawal from all courses, assuming that the date of withdrawal from the College occurs within the course-withdrawal deadline. Otherwise, the same policies above apply to the student's uncompleted courses.

Before a voluntary withdrawal may be authorized, a dependent student should have a parent or guardian confirm that the academic and financial consequences of such action are understood. This confirmation may be given in writing or orally, but must be received by the Associate Provost before the withdrawal can be granted.

Students who decide to return to the College after withdrawal must apply for readmission (see "Readmission" below). For some students needing to interrupt their studies for a specific length of time, a leave of absence is another option to consider (see the "Not-Enrolled-Student Status" below).

The College reserves the right to require at any time the withdrawal of any student whose conduct or academic standing it regards as undesirable or whose continued presence is a risk to the student or others.

Readmission

Students who voluntarily withdraw or who have been declared academically ineligible to continue must apply for readmission to the College if they wish to return. Students must submit an application form available from the Associate Provost, official transcripts of any college course work completed since leaving the College, if applicable, and a nonrefundable fee of \$25. If the withdrawal was for medical or disciplinary reasons, clearance by the Dean of Students Office is also required.

For the Fall semester, readmission applications will not be accepted prior to the preceding April, and for the Spring semester, readmission applications will not be accepted prior to the preceding November. Application must be made at least three weeks prior to the start of classes.

Any student approved for readmission will be subject to all requirements (including general education, major, minor and academic regulations) of the catalog in effect at the time of re-enrollment, unless otherwise approved by the Board of Review.

Academic Probation

Students who fail to maintain a cumulative grade point average of 2.0 are placed on academic probation. Students on academic probation who fail to show significant improvement in cumulative GPA within one semester may be declared academically ineligible to continue.

Undergraduate Academic Probation

Students on academic probation are required to complete an individually prescribed program through the Academic Services Center as a condition for eligibility to continue. All enrolled undergraduate students validly registered are considered to be in good academic standing for the purposes of enrollment verification and athletic participation.

Graduate Academic Probation

See individual graduate program policies.

Academic Warning in the Major

To meet graduation requirements, students must also maintain a GPA of 2.0 in their major. Students failing to maintain this standard will be placed on academic warning in the major at the end of the semester in which their major GPA falls below 2.0 and will be required to consult with the Associate Provost within the first week of the subsequent term. Continued failure to achieve this standard may result in ineligibility to continue in the major.

Ineligibility to Continue

Students who also fail to meet the minimum cumulative GPA requirements as shown in the chart below are declared academically ineligible to continue.

| <i>Attempted credit hours at semester end</i> | <i>Minimum cumulative GPA</i> |
|---|-------------------------------|
| Greater than 24 and up to 124 | 1.8 |
| Greater than 12 and up to 24 | 1.6 |
| Up to and including 12 | see note* |

** First Year First Semester students' GPA's are monitored individually. Students with a GPA below 2.0 at the end of their first session with Randolph may be required to complete an individually prescribed program as a condition for academic eligibility to continue.*

Academically ineligible students will be notified of their status by the Associate Provost and may submit a written appeal to the Board of Review through the Associate Provost to continue. Students whose appeals are unsuccessful will be notified by the Board of Review. Students whose appeals are successful will remain on academic probation and will be required to meet requirements set forth by the Board of Review as a condition to continue.

Academic Distinction

Academic work of superior quality is recognized by the College through the Dean's List and the academic distinction conferred with the degree. See **Graduation Honors**. The Dean's List is published twice a year. It is based upon the academic grades of the preceding semester and consists of the students in each class who have earned a superior record. Superior students are awarded the academic distinctions summa cum laude, magna cum laude, and cum laude with the degree. See **Academic Procedures and Regulations** for specific criteria. In addition, the College has the following honor societies:

Phi Beta Kappa Phi Beta Kappa is the oldest and most prestigious of academic honor societies. It was founded at William & Mary in 1776, and few American colleges and universities have a chapter. The Delta Chapter of Virginia was installed in 1917; its charter, obtained in 1916, was the first to be granted by Phi Beta Kappa to an independent college for women in the South. Each year certain members of the senior class are elected to membership in the society in recognition of their high achievements in scholarship and maintenance of a balanced program of study in the liberal arts including demonstrated knowledge of a second or non-native language at the intermediate level.

Alpha Kappa Delta The Pi Chapter of Virginia of Alpha Kappa Delta, an international sociology honor society, promotes interest in sociology and social problems. Its membership is composed of juniors and seniors who have demonstrated serious interest in sociology and high academic achievement.

Alpha Sigma Lambda The Lambda Phi Chapter of Alpha Sigma Lambda was established in October 1997. This national honor society for students in continuing higher education honors those dedicated nontraditional students (age 24 and over) who, while ably handling their responsibilities at home and at work, achieve and maintain academic excellence. Each year membership is awarded to students on the basis of their scholastic achievements.

Beta Beta Beta (TriBeta) Beta Beta Beta (TriBeta) is a society for students, particularly undergraduates, dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research. Since its founding in 1922, more than 200,000 persons have been accepted into lifetime membership, and more than 553 chapters have been established throughout the United States and Puerto Rico. TriBeta was founded in 1922 at Oklahoma City University--the Alpha Chapter--by Dr. Frank G. Brooks and a group of his students. The idea of an honor and professional society for biology students spread rapidly and by 1925, the society was a national organization. Biennial national conventions of student and faculty members began in that year and in 1930 the society journal, BIOS, began publication of student research, articles of interest to biologists and society news. As the society grew, it was divided into regional and district groups, each of which holds a convention annually. At the heart of every district and national meeting are student research papers presented in the style of graduate meetings. Awards are given for outstanding individual and chapter accomplishment.

Chi Alpha Sigma This chapter of the National College Athlete Honor Society was established in March 2006 and honors those student-athletes who have earned a varsity letter while maintaining a 3.4 or better GPA throughout their junior and senior years. The society also serves to foster citizenship, moral character, and friendship among academic achievers in college athletics.

Eta Sigma Phi The Delta Alpha Chapter of Eta Sigma Phi was established in April 1961. This society encourages classical scholarship and appreciation of ancient learning. Each year students in advanced Latin and Greek courses are elected to membership on the basis of excellence of scholarship.

Iota Sigma Pi A national chemistry honor society for women, the La chapter (for Lynchburg Area) of Iota Sigma Pi was established in 1998. Founded in 1902, the objectives of the society are to promote interest in chemistry among women students, to foster mutual advancement in academic, business, and social life, and to stimulate personal accomplishment in chemical fields. The local chapter was founded by faculty at University of Lynchburg, Sweet Briar College, and Randolph College, and serves to foster scientific and social interaction between the three colleges.

Lambda Pi Eta The Omicron Omega Chapter of Lambda Pi Eta, the communication studies honor society of the National Communication Association, was established in April 2005. The society seeks to recognize outstanding scholarship in the area of communication studies, stimulate interest in communications fields, and promote professional development for majors. This society represents what Aristotle described as the three ingredients of persuasion: character, credibility, and ethics.

Omicron Delta Epsilon The Phi Chapter of Omicron Delta Epsilon, the international honor society in economics, was established in the Spring of 1998. Omicron Delta Epsilon has among its objectives the recognition of scholastic attainment, the honoring of outstanding achievements in economics, and the establishment of closer ties between students and faculty in economics. Membership is awarded to undergraduates who have a genuine interest in economics and who have attained an outstanding performance level, not only in their economics courses, but also cumulatively in all courses.

Omicron Delta Kappa Circle of Omicron Delta Kappa (ODK), a national leadership honor society, was established in the Spring of 1989. ODK was founded upon the idea that leadership of exceptional quality and versatility should be recognized. The society recognizes and encourages achievement in scholarship; athletics; social service, religious activities and campus government; journalism, speech, and mass media; and the creative and performing arts. Membership is awarded to juniors and seniors and to members of the faculty and administration.

Phi Alpha Theta The Alpha Kappa Alpha Chapter of Phi Alpha Theta, the national honor society in history, was established in the Fall of 2001. Founded in 1921, Phi Alpha Theta seeks to promote the study of history through recognition of academic excellence, encouragement of scholarly research and good teaching, and facilitation of the exchange of ideas among students and faculty. Membership is not limited to history majors, but is open to anyone who has demonstrated serious interest in history and has met the societies' standards of academic achievement.

Pi Sigma Alpha The Alpha Gamma Eta Chapter of Pi Sigma Alpha, the National Political Science Honor Society, was established in April 2005. Founded in 1920, Pi Sigma Alpha seeks to stimulate scholarship and intelligent interest in political science and to create an enriching environment by raising critical issues of public concern. Membership is not limited to political science majors but to any juniors and seniors who meet the standards of academic achievement set by the society.

Psi Chi A chapter of Psi Chi, the national honor society in psychology, was chartered in April 1993. Founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship and advancing the science of psychology, Psi Chi is open to graduates and undergraduates who are making the study of psychology one of their major interests. Psi Chi is a member of the Association of College Honor Societies, and an affiliate of the American Psychological Association (APA) and the Association of Psychological Science (APS).

Sigma Delta Pi Chi Beta, a chapter of the national Spanish Honor Society Sigma Delta Pi, was installed September 29, 2005. Sigma Delta Pi seeks to deepen understanding of the Hispanic world, to foster an appreciation for Hispanic culture, and to recognize high student achievement in advanced Spanish courses. Membership is not limited to Spanish majors. As part of its mission of greater understanding of Hispanic culture, Sigma Delta Pi offers travel scholarships to countries where Spanish is the primary language. Any student member may apply for these competitive awards.

Sigma Pi Sigma A chapter of Sigma Pi Sigma, the national honor society in physics, was established in 1999. Sigma Pi Sigma is an honor society which operates within the Society of Physics Students. Sigma Pi Sigma nurtures a spirit of professional community among its members. Students elected to membership must attain high standards of general scholarship and outstanding achievement in physics. Membership is not limited to physics majors, but is open to anyone who has met the standards and who has demonstrated an interest in physics.

Sigma Tau Delta A chapter of Sigma Tau Delta was established in 2006. Sigma Tau Delta was founded in 1924 to recognize academic distinction among undergraduate students of English language and literature. Membership entails enrichment opportunities, including eligibility to submit creative work and literary criticism for publication in the Society's journals.

Sigma Xi Sigma Xi was founded in 1886 to honor excellence in scientific investigation and encourage a sense of companionship and cooperation among researchers in fields of science and engineering. Faculty members of Sigma Xi can nominate graduating seniors who are going on to do research, and who have met the academic standards.

Theta Alpha Kappa The Alpha Theta Omega Chapter of Theta Alpha Kappa was established in November 2007. The society cultivates scholarship in religious studies through various media, including its journal and awards. Seniors of quality and high attainment in religious studies and of general academic excellence are eligible.



OTHER POLICIES

Students' Rights of Access to Their Educational Records (FERPA)

The College complies with The Family Educational Rights and Privacy Act of 1974 (FERPA), as amended (often referred to as the "Buckley Amendment"), which protects the privacy of educational records, establishes students' rights to inspect their records, provides guidelines for correcting inaccurate or misleading data, and permits students to file complaints with the Family Educational Rights and Privacy Act Office. Specifically, students are afforded the following rights with respect to their educational records:

- a. The right to inspect and review the student's education records within 45 days of the day the college receives a request for access. Students should submit to the Registrar, Provost of the College, Dean of Students, chair of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The College official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the College official to whom the request was submitted, the official shall advise the student of the correct official to whom the request should be addressed.
- b. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students may ask the College to amend a record that they believe is inaccurate or misleading. They should write the College official responsible for the record, 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 student, the College will notify the student of the decision and advise the student of the right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
- c. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosures without consent. The right to inspect a student's education record is limited to the student. Access to students' records, except directory information that may be released, is never granted to individuals from off campus requesting information, unless the student involved has given written permission or as applicable law requires or permits. Directory information is defined as the student's name, photograph, program of study, degrees granted and awards received, classification, enrollment status, dates of attendance, participation in officially recognized activities and sports, and height and weight of members of athletic teams. Students may restrict access to their directory information by contacting the Registrar's Office and filing a written request. In addition, the College will publish for internal use a student directory that includes names, pictures, major program of study, and class year. Further, to minimize the risk of improper disclosure, academic and disciplinary records are kept separate.
- d. The College expects that students will discuss their academic progress with their parents. Students may authorize disclosure of information to parents or anyone else by completing a *Consent to Disclose Information from Education Records* form. Upon request the college will exercise its discretion to disclose information from the student's education records to authorized individuals under the following circumstances:
 - i. Through the written consent of the student;
 - ii. By submission of evidence that the parents declared the student as a dependent on their most recent federal income tax form;
 - iii. In compliance with a subpoena. In cases of divorce, separation or custody, when only one parent declares the student as dependent, an institution may grant equal access to information from the student's education records.

However, when access is given to one parent, the College must grant equal access to the other parent upon request, unless there is a court order, state statute, or legally binding document stating otherwise. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including security personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill professional responsibility.

- e. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to comply with requirements of FERPA. The name and address of the office that administers FERPA is Family Policy Compliance Offices, U.S. Department of Education, 400 Maryland Avenue SW, Washington, D.C. 20202-4605.

Records Retention Policy

The academic record of a student will be maintained either in paper copy or electronic format by the Registrar's Office according to the following schedule: Permanent retention is maintained for the academic transcript and the students' file folders which contain application forms, high school and college transcripts, major declarations, graduation certification materials, and other information kept in the student file folder. Three-year retention from the date of origination is maintained for registration and add/drop/withdrawal forms. One-year retention from the date of origination is maintained for transcript request forms, and change of student address information; enrollment verifications are retained until the student graduates.

Holds on Student Records

The College will not issue academic transcripts or diplomas for various financial reasons, including but not limited to

1. Tuition accounts with overdue balances above zero
2. Federal loans held by the student that are in collections or in default, and
3. Institutional loans (e.g., Plitt) for the student that are in collections or in default.

Additionally, transcripts and diplomas are also held for non-tuition related charges including, but not limited to the following:

1. Overdue books or fines due to the library,
2. Unpaid miscellaneous fees assessed to the student account (e.g., parking violations, health center charges, etc.), and
3. College property in the possession of the student.

Transcripts and diplomas may also be held by the Registrar and Provost of the College if there are any unresolved discrepancies in credentials. Registered students who incur a hold may correct their schedule through add/drop/withdrawal activities and receive their grades.

The Academic Program

The academic program is the heart of Randolph College. Designed to develop the student as a whole person, the academic program is the vehicle for acquiring a broad base of knowledge while simultaneously preparing for a meaningful career. The liberal arts curriculum fosters numerous intellectual virtues, including critical thinking, scientific inquiry, and artistic expression. Additionally, the curriculum reinforces at all levels the fundamental importance of effective writing and speaking. Randolph College's TAKE2 program supports student success in these virtues by allowing them to intensely focus on two courses at a time over seven weeks.



GUIDE TO COURSES OF INSTRUCTION

This catalog presents, subject to change, the major and minor programs and the courses currently available. For specific courses taught in any given session, consult the class schedule. The following numbering and lettering systems are used throughout for course identification. See the samples of course listings below for further illustration.

| | |
|----------------|--|
| 1100-1199 | A course primarily, though not exclusively, for first-year students. |
| 2200-2299 | A course that assumes some previous college-level study in the field of a course primarily, though not exclusively, for sophomores. |
| 3300-3399 | A course directed primarily to juniors or seniors, or one that assumes an intermediate level of intellectual maturity. |
| 4400-4499 | A course directed primarily to seniors and which assumes knowledge gained in several college courses in the field or an advanced level of intellectual maturity. |
| 5500-6699 | Graduate level courses |
| L after number | Laboratory course that accompanies a lecture course. |
| P after number | Field experience/practicum component that accompanies a lecture course. |
| S after number | A course offered only during the Summer. |

Other course indicators:

| | |
|-------------------------------------|--|
| Cross-Listed, One-Time Only Courses | 1173, 1174, 2273, 2274, 3373, 3374, 4473, 4474 |
| One-Time Only Courses | 1185, 1186, 2285, 2286, 3385, 3386, 4485, 4486 |
| Independent Study | 1190, 2290, 3390, 4490 |
| Experiential Learning | 3391, 4491 |
| Senior Programs | 4493, 4494, 4495, 4496, 4497, 4498, 4499 |
| Departmental Honors Program | 3397H, 3398H, 4497H, 4498H |

Course Designation Key

| | | | | | |
|------|------------------------------------|------|---------------------------|------|-----------------------------|
| AAAS | African & African American Studies | DANC | Dance | MAC | Media and Culture |
| AMCP | American Culture Program | DSCI | Data Science | MATH | Mathematics |
| ARTH | Art History | ECON | Economics | MUSC | Music |
| ARTS | Studio Art | EDUC | Education | MUHS | Museum and Heritage Studies |
| ASIA | Asian Studies | ENGL | English | P ED | Physical Education |
| ASTR | Astronomy | EVST | Environmental Studies | PHYS | Physics |
| BIOL | Biology | G ST | Gender Studies | POL | Political Science |
| BUS | Business | GEO | Geography | PSYC | Psychological Science |
| CHEM | Chemistry | GREK | Greek | SES | Sport and Exercise Studies |
| CHIN | Chinese | HIST | History | SOC | Sociology |
| CPHL | Comparative Philosophy | I ST | Interdisciplinary Studies | SPAN | Spanish |
| CLAS | Classics | LATN | Latin | SPED | Special Education |
| CSL | Coaching and Sport Leadership | | | THTR | Theatre |
| CSCI | Computer Science | | | | |



THE GENERAL EDUCATION PROGRAM

Randolph College celebrates excellence in the liberal arts and sciences. Our liberal arts education teaches students to reason creatively, humanistically, scientifically and quantitatively; speak and write with clarity and accuracy; cultivate habits of lifelong learning; develop cultural literacy (regarding their own culture and cultures beyond their own), and consider how to lead a meaningful life (*vita abundantior*). The General Education Program contributes to these goals by granting students broad exposure to several disciplinary ways of knowing as well as helping students develop core competencies that lay a firm foundation for the work they will do within and beyond the red brick wall.

Courses fulfilling General Education requirements are noted in the course descriptions with the following indicators: *WR*: Writing; *WI*: Writing Intensive; *QR*: Quantitative Reasoning; *LA*: Language; *CE*: Common Experience—Life More Abundant; *AE*: Artistic Expression; *HE*: Human Experience; *CI*: Culture and Identity; *SS*: Social Science; *NS*: Natural Science; *PE*: Physical Education.

Core Competencies

WR. Writing.

Every student should develop the ability to write English effectively, to use College library resources and research processes, and to follow appropriate conventions in academic writing. Unless granted an exemption by the Department of English on the basis of an English Composition Placement Test or earned college credit for the equivalent, each student must take WRIT 1103 (or its equivalent) during their first year.

For non-native speakers only, the following sequence must be begun in the first session: WRIT 1101, 1102: English Composition I and II

WI. Writing Intensive.

Each student must complete a course in any discipline with a Writing Intensive (WI) designation. This course may also fulfill one of the Ways of Knowing General Education requirements.

AMCP 3322; ARTH 2277, 2280; ASIA 1147; BUS 2271, 3367; CHEM 3307-3307L*; CHEM 3378-3378-L*; CLAS 1132; CPHL 1147, 2224, 2239, 2280; ENGL 1111, 1112, 1140, 1142, 1161, 2256, 2263, 2265, 2266, 2268, 2276, 2277, 2279; EVST 3326; HIST 1124, 1167, 2203, 2204, 2258, 2277, 2278; MAC 1101, 2204, 2250, 2277; MUSC 2227; PHYS 3331, 3332, 3378-3378L*; POL 2265, 3372; PSYC 4401; SES 3307, 3364; THTR 2276, 2277, 2279

**If using chemistry or physics, both the lecture and lab must be passed in order to fulfill the requirement.*

QR. Quantitative Reasoning.

Every student should demonstrate fundamental quantitative reasoning and application skills. Students can demonstrate these skills by passing an optional competency exam or by successfully completing (or receiving transfer credit for) one of the following courses:

ASTR 1101, 1103; BUS 3334; CHEM 1105, 1106; ECON 2227; EVST 2201; MATH 1109, 1117, 1118, 1119, 1149, 1150, 2208, 2227; PHYS 1105, 1106, 1115, 1116, 3301; POL 2231; PSYC 2227; SOC 3395

LA. Language.

Every student should develop some capability in a language, ancient or modern, other than her or his own. Fulfillment of this requirement may be accomplished in one of the following ways:

1. Successful completion of two sessions of a single foreign language not previously studied; or

2. Successful completion of two sessions of a single foreign language at the elementary or intermediate level in a language previously studied, depending on placement; or
3. Successful completion of a course above the intermediate level; or
4. Exemption based on a qualifying SAT II score, an Advanced Placement score of 4 or better, an International Baccalaureate score of 5 or better, or departmental examination. International students fluent in a language other than English may request an exemption from the Office of the Provost of the College. Other students fluent in a language other than English may apply to the Board of Review for exemption.

LMA 1101. Life More Abundant.

This course, taken in the first session of the first year, is intended to expose students to a variety of different disciplinary traditions and approaches through the exploration of contemporary issues and questions in society, and to provide an intellectual experience common to all students in an entering class. Includes academic skills workshops and a selection of required out-of-class activities. Transfer students entering with 12 or more hours completed are exempt from this requirement.

Ways of Knowing

AE/HE. Arts and Letters.

Every student should learn how humanists and artists “chronicle, record, analyze, transmit, and deepen our understanding of the human condition and experience.” This requirement may be fulfilled by successfully completing 9-12 credit hours in at least 3 courses in the arts and letters division, including at least 3 to 4 credit hours in each of the following two categories:

AE. Artistic Expression

ARTH 1101, 1102, 1107, 1179, 2204, 2238, 2242, 2243, 2244, 2257, 2263, 2264, 2277, 3315, 3380, 3382, 3384; ARTS 1103, 1181, 2279; CLAS 1183, 2275; CPHL 1111, 1141; DANC 1103, 1133, 1134, 2203, 2233, 2234, 2257, 2263, 2264, 3333; ENGL 1111, 1112, 1113, 1142, 1161, 2253, 2255, 2263, 2265, 2266, 2276, 2277, 2279, 3336, 3343, 3357; MAC 1181, 1183, 2277, 2279, 3344, 3351, 3382, 3384; MUSC 1103, 1104, 1105, 1129, 1131, 1133, 1134, 1147, 1149, 1151, 1159, 1161, 1163, 1165, 1167, 1172, 1173, 2206; THTR 1111, 1117, 1123, 1142, 2215, 2216, 2217, 2221, 2228, 2275, 2276, 2277, 2279.

HE. Human Experience

ARTH 1101, 1102, 1107, 1179, 2204, 2214, 2215, 2238, 2242, 2243, 2244, 2257, 2263, 2264, 2277, 2280, 3378, 3384; ASIA 1147; CHIN 1105, 1106, 1107; CLAS 1132, 1175, 1177, 1179, 1180, 2275; CPHL 1111, 1121, 1124, 1126, 1128, 1132, 1133, 1141, 1147, 1162, 1165, 1168, 1175, 1199, 2214, 2217, 2221, 2224, 2226, 2233, 2234, 2237, 2239, 2241, 2251, 2257, 2262, 2265, 2268, 2280; DANC 2226, 2227, 2228; ENGL 1140, 3333, 3378; EVST 3326; HIST 1101, 1102, 1104, 1111, 1115, 1123, 1124, 1141, 1145, 1167, 1180, 2203, 2204, 2221, 2222, 2226, 2230, 2237, 2258, 2277, 2278; MAC 1101, 1107, 1175, 2204, 2277, 3344, 3380, 3384; MUSC 2219, 2220, 2226, 2227, 2228, 2229; POL 1102, 1107, 2203, 2222, 2225, 3372; SES 1175; SOC 2209, 2276; SPAN 3366; THTR 2241, 2275

CI. Culture and Identity.

Students should be able to think about differences in culture and identity. Each student should take at least one course dealing substantively with issues related to gender, race, class, or disability, or focusing on a culture other than Europe or the United States.

AMCP 3322; ARTH 1107, 2214, 2215, 3378, 3380, 3384; ASIA 1147; CHIN 1105, 1106, 1107; CPHL 1121, 1124, 1126, 1128, 1147, 1165, 1168, 1199, 2224, 2241, 2251, 2257, 2262, 2265, 2268; DANC/MUSC 2228; EDUC 2213; ENGL 1111, 1140, 3333, 3343, 3378; EVST 1101; FREN 3320, 3365, 3366; GEO 2203; HIST 1123, 1124, 1141, 1145, 1167, 2221, 2222, 2226, 2230, 2237, 2258; MAC 1101, 1107, 2204, 2205, 2250, 3342, 3380, 3384; MUSC 2220, 2227, 2228; POL 1115, 2205, 2220; PSYC 2212; SES 2262; SOC 1114, 2216, 2231, 3327, 3335, 3342

SS. Social Science.

Every student should learn how social and behavioral scientists acquire, organize, and apply knowledge in the study of society or human behavior. This requirement may be fulfilled by successfully completing one course in the social or behavioral sciences.

ECON 1101, 1102; EDUC 1101, 1108; EVST 2250; MAC 2204, 2205, 2250; POL 1101, 1106, 1113, 2201, 2222, 2225, 2235, 2245, 2265, 3332; PSYC 1105; SOC 1101, 1114, 2209, 2218, 2222, 2265, 2276, 3310, 3321

NS. Natural Science.

Every student should learn how scientists acquire, organize, and apply knowledge about nature based on experiments and observations. This requirement may be fulfilled by successfully completing a course in the natural sciences and its laboratory component.

ASTR 1101-1101L, 1103-1103L; BIOL 1103-1100L, 1108-1100L, 1118-1100L; CHEM 1105-1105L, 1106-1106L; EVST 1104-1104L, 1117-1117L, 3325-3325L; PHYS 1105-1105L, 1106-1106L, 1115-1115L, 1116-1116L

PE. Physical Education.

A liberal arts education includes development of the mind and body. Through active participation in a wide range of physical activity options, students gain an appreciation for the benefits that come from physical activity and exercise. One hour of credit is required and completion in the first two years of study is strongly recommended. Choose from the following list of courses.

DANC 1111, 1133, 1134, 2233, 2234, 2263, 2264, 3333; P ED Activity and Team Courses; THTR 2228

General Education Program Policies

1. A minimum of 30 hours are required to fulfill the General Education Program. Students who are exempted from a specific requirement must complete additional hours in another *Core Competency* or *Ways of Knowing* category to reach 30 hours.
2. With the exception of the writing intensive course and the culture and identity requirement, no single course can be used to fulfill the requirements of the General Education more than one time.
 - a. A single course cannot be used to fulfill more than one requirement if it drops a student's total General Education credit hours below 30.
 - b. No course can be used to simultaneously fulfill three General Education requirements.
3. Courses included in a Major or Minor Program may also be used toward General Education requirements.
4. Credit given for Advanced Placement, the International Baccalaureate, CLEP subject tests, by college examination, and for courses taken at other institutions may be used to satisfy the requirements.
5. Excluded from fulfilling the requirements are Independent Study, Experiential Learning, and 4400 level courses.
6. Transfer credit may be used to fulfill General Education requirements. If the title and/or description of a course is substantially the same as that of a Randolph College course, the Registrar may automatically approve the course as one that counts toward the requirements. If a course does not duplicate but approximates a Randolph College course, the Registrar, in consultation with pertinent department chairs or other appropriate members of the faculty, may approve the course to count toward the requirements. If the student disagrees with the rulings described above, a written appeal may be submitted to the Board of Review for further consideration.
7. For General Education requirements, the governing catalog is the one in effect upon matriculation. These requirements remain in effect for as long as the student is continuously enrolled at the College. Following a gap in enrollment for any reason, a student who is approved for readmission will be subject to all General Education requirements of the catalog in effect at the time of re-enrollment, unless otherwise approved by the Board of Review.
8. For one-time only courses fulfilling general education requirements, please reference the class schedule.
9. Incoming students possessing a specific type of associate-level degree from the Virginia Community College System (VCCS) will be exempt from Randolph College General Education requirements. Eligible degrees include the Associate of Arts, Associate of Arts and Sciences, Associate of Fine Arts, or Associate of Science, awarded by a VCCS institution during or after the 2021–2022 academic year. The degree must appear on an official transcript.



AFRICAN AND AFRICAN AMERICAN STUDIES

Interdisciplinary Minor Coordinator: Julio Rodriguez

This interdisciplinary minor explores African and African American experiences, drawing from a variety of theoretical approaches. Students will gain an understanding of how the histories of the United States and the wider world have intersected with the experiences of Africans and the African diaspora. Knowledge of these intersections past and present is critical to understanding the urgent issues of our time. The insight students will gain from this minor will better prepare them to critically engage the world and to live honorably.

African & African American Studies Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|--|---------------------|
| <i>Required:</i> | | |
| AAAS 1101 | Introduction to African & African American Studies | 4 |
| <i>Four additional courses (16 credits) chosen from below*.</i> | | 16 |
| <i>At least two courses (8-16 credits) from the following:</i> | | |
| ARTH 2214 | African American Art | |
| ENGL 1140 | Reading Race | |
| HIST 1167 | Atlantic World, 1492-1888 | |
| HIST 2258 | African History: From Early Times to the Present | |
| MUSC 2200 | American Popular Music | |
| SOC 3335 | Developing Countries of the Caribbean Basin | |
| SOC/GST 3355 | Black Feminist Theory | |
| <i>Up to two courses (max 8 credits) from the following:</i> | | |
| HIST 1141 | United States from Colonial to the Present | |
| MAC 3342 | Assuming Whiteness | |
| MAC 3344 | Race and Hollywood | |
| POL 2203 | Philosophy of Law | |
| Total for minor in African & African American Studies | | 20 |

* Must be from at least three different departments. Relevant Special Topics and one-time only courses can be substituted for courses other than AAAS 1101, with approval by the minor program coordinator.

African American Studies Courses

AAAS 1101. Introduction to African & African American Studies This interdisciplinary course explores the historical, social, cultural and political experience of people of African descent in the United States and in the wider diaspora. It will introduce students to the distinct theoretical approaches and methods of African & African American Studies, centering Black, African and African American thought, scholarship, and culture. Topics may include imperialism, colonialism, slavery, inequality, and capitalism. *Credit hours: 4.*



AMERICAN CULTURE PROGRAM

Faculty Connor Kenaston, Julio Rodriguez

The American Culture Program offers an opportunity for an analysis of the United States in ways that transcend traditional approaches to American studies. The Program is based on the thesis that America is more than a geographic location; that for centuries it has also been a state of mind and a set of hopes. Accordingly, the Program focuses not only on what Americans are but also on what they think they are, and not only on American realities but also on the development and transmission of an American consciousness. Students study how Americans present themselves through museums, historic sites, and places of entertainment, as well as through books, movies, politicians' speeches, civic celebrations, and television. In approaching America as both a social reality and a cultural construct, each of which has been subject to continual debate, students should develop a deeper sense of the nation's complex character as well as a more precise conviction about what they themselves wish the nation to be.

Students admitted to the Program will take eight hours structured as two courses in a single session (AMCP 2272 and 3322) that comprise the curricular core. Courses are team-taught and revolve around the expertise or area of the Helen and Agnes Ainsworth Visiting scholar of American Culture, a position that rotates biannually. Both courses will incorporate travel to a

variety of locations; for example, work places, government institutions, chambers of commerce, museums, and historic sites to hear from workers, bureaucrats, ministers, curators, interpreters, and the like about their identities and experiences as Americans. Travel will include day, multi-day, and weekend trips. The American Culture minor offers students the opportunity to formalize and augment their experience in the American Culture Program.

American Culture Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|--------------------------|---------------------|
| <i>Required:</i> | | |
| AMCP 2272 | American Images | 4 |
| AMCP 3322 | American Culture Seminar | 4 |
| <i>Three additional courses, one at the 3300 level, chosen in consultation with the minor advisor, that correspond with a theme, topic, or problem the student explored while in the program.</i> | | 12 |
| <i>Total for the minor in American Culture</i> | | 20 |

American Culture Courses

AMCP 2272. American Images An interdisciplinary exploration of the ways Americans represent themselves in intellectual and popular culture from the nineteenth through the twenty-first centuries. By considering themes such as race, ethnicity, class, gender, and environment, students will examine visual, literary, and musical texts for the diverse and distinctive images of America. *Credit hours: 4. Prerequisite: admission to the American Culture Program.*

AMCP 3322. American Culture Seminar An interdisciplinary seminar that will examine selected themes in American culture from the perspectives of faculty expertise. The course will include extensive reading and a tutorial writing component wherein the student will work individually with faculty on writing assignments. *Credit hours: 4. Prerequisite: admission to the American Culture Program. (CI, WI)*

AMCP 3332. American Culture Practicum A course that offers students the opportunity to experience research and work in businesses and organizations that relate to thematic considerations of the Program. The hours in this course will count as Experiential Learning. *Credit hours: 1, 2, 3 or 4. Prerequisite: Permission of the Instructor. Offered on a Pass/Fail basis only.*



ART AND ART HISTORY

Faculty: Andrea W. Campbell, Christopher Cohen, Lesley Shipley

Visual literacy is critical to understanding our increasingly complex world and its images. Courses in the Department provide a framework for the study of art through knowledge of its principles and history, through creative studio work and through hands-on learning experiences with the outstanding collection of American art at the Maier Museum of Art. The Department's courses develop critical and creative skills that prepare students for the demands of a changing marketplace.

Graduates have immediately stepped into jobs in a variety of fields, including animation, graphic design, teaching, and fashion design, and have landed many different types of positions within gallery and museum work. The Department encourages qualified students to pursue graduate study. Graduates have gone on to degree programs in architecture, art history, art therapy, studio art, architectural preservation, and museum studies at institutions including Yale University, the University of Pennsylvania, Parsons, University of Virginia, Pratt, University of Chicago, George Washington University, Royal Ballad Institute of the University of London, American University, the School of the Art Institute of Chicago, New York University, Queens College, Virginia Commonwealth University, and the Fashion Institute of Technology, among others.

Art History Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|------------------|---------------------------------------|---------------------|
| <i>Required:</i> | | |
| ARTH 1101 | Art, Culture, and Society before 1400 | 4 |
| ARTH 1102 | Art, Culture, and Society after 1400 | 4 |

| | | |
|--|--|-----------|
| ARTS 1103 | Introduction to Studio Art | 4 |
| <i>One additional Studio Art course</i> | | 4 |
| <i>Two of the following Ancient/Medieval/Renaissance/Baroque Art courses, at least one at the 2200 level</i> | | 8 |
| ARTH/CLAS 1179 | Masterworks of Greek and Roman Art | |
| ARTH 2238 | Medieval Art | |
| ARTH 2242 | Baroque Art and Architecture | |
| ARTH 2263 | Early Renaissance Art and Architecture | |
| ARTH 2264 | High Renaissance Art and Architecture | |
| ARTH One-Time only courses in Ancient/Medieval/Renaissance/Baroque | | |
| <i>Two of the following Modern or Contemporary Art courses, at least one at the 2200 level</i> | | 8 |
| ARTH 1107 | History of Photography | |
| ARTH 2214 | African American Art | |
| ARTH 2215 | Art of the United States | |
| ARTH 2243 | 19th-Century European Art | |
| ARTH 2244 | Modern Art in Europe and the Americas | |
| ARTH 2257 | Contemporary Art | |
| ARTH One-Time only courses in Modern or Contemporary Art | | |
| <i>One of the following 3300-level courses:</i> | | 4 |
| ARTH 3314 | Special Topics in Art History | |
| ARTH 3315 | Curatorial Seminar | |
| ARTH/ENGL 3378 | Gender in Renaissance Art and Literature | |
| <i>Senior Program</i> | | |
| ARTH 4493 | Senior Seminar | 4 |
| Total for BA Degree in Art History | | 40 |

Students may major in both Art History and Studio Art or major in one field and minor in the other field. For multiple programs, the only courses that can overlap are ARTH 1101, ARTH 1102, and ARTS 1103.

Studio Art Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|---------------------------------------|---------------------|
| <i>Required:</i> | | |
| ARTH 1101 | Art, Culture, and Society before 1400 | 4 |
| ARTH 1102 | Art, Culture, and Society after 1400 | 4 |
| ARTS 1103 | Introduction to Studio Art | 4 |
| <i>Four additional Studio Art courses (student may substitute one with an ARTH class)</i> | | 16 |
| <i>Interdisciplinary core</i> | | 9 |
| Courses selected must be from ARTH, DANC, ENGL, MUSC, THTR, with two departments represented and must include one course in artistic expression. | | |
| <i>Senior Program</i> | | |
| ARTS 4425 | Senior Studio | 4 |
| Total for BA Degree in Studio Art | | 41 |
| Additionally for BFA | | |
| ARTS 4423 | Advanced Studio | 4 |
| ARTS 4424 | Advanced Studio | 4 |
| <i>Two additional studio art courses chosen in consultation with advisor</i> | | 8 |
| Total for BFA Degree in Studio Art | | 57 |

Students may major in both Art History and Studio Art or major in one field and minor in the other field. For multiple programs, the only courses that can overlap are ARTH 1101, ARTH 1102, and ARTS 1103.

Art History Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|------------------|---------------------------------------|---------------------|
| <i>Required:</i> | | |
| ARTH 1101 | Art, Culture, and Society before 1400 | 4 |

| | | |
|---------------------------------------|--------------------------------------|-----------|
| ARTH 1102 | Art, Culture, and Society after 1400 | 4 |
| Three additional Art History courses | | 12 |
| Total for Minor in Art History | | 20 |

Studio Art Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--------------------------------------|----------------------------|---------------------|
| Required | | |
| ARTS 1103 | Introduction to Studio Art | 4 |
| Four additional Studio Art courses* | | 16 |
| Total for Minor in Studio Art | | 20 |

* Studio art courses include drawing, painting, photography, and printmaking. Any student wanting a minor in one of these areas must use the above minor in studio art.

Art History Courses

ARTH 1101. Art, Culture, and Society before 1400 Beginning with the very first evidence of human expression, students in this course explore the art and architecture of Western civilization. Students will acquire visual and critical skills that will allow them to understand how works were made and what messages they conveyed to their prehistoric, ancient and medieval audiences. *Credit hours: 4. Offered every Fall. (AE, HE)*

ARTH 1102. Art, Culture, and Society after 1400 How does the study of art contribute to our understanding of history and the current moment? In this introduction to western art from the Renaissance to the present, students will explore the relationship between a work of art and its historical context, while developing valuable skills in visual literacy and in the critical analysis of imagery. *Credit hours: 4. Offered every Spring. (AE, HE)*

ARTH 1107. History of Photography Students will explore the cultural history of photography in the United States and western Europe from the 1830s to the present. Students will investigate debates around photography as fine art, the role of photography in archives, as a scientific tool, and as a medium for social justice. There will be opportunities to examine works at the Maier Museum of Art and in the College archives. *Credit hours: 4. Alternate years: offered Spring 2022, Session 4. (AE, CI, HE)*

ARTH 1179. Masterworks of Greek and Roman Art As an introduction to the artistic culture of ancient Greece and Rome, this course discusses select works of art and architecture in depth, from both art historical and archaeological perspectives. Its aim is to set works of art in their specific historical and cultural context while exploring the connection (in style, material, technique, aesthetic) between them and our world. *Identical with CLAS 1179. Credit hours: 4. (AE, HE)*

ARTH 2204S. Renaissance Art Study Tour: Rome and Florence This two-week study tour will travel to sites where Renaissance art can still be seen in its original location and context. The group will also study art in the outstanding museum collections in Florence and Rome. Day trips to cities such as Siena and Ostia are also on the itinerary. All work must be submitted by the end of the fourth week of the Fall semester following the tour. *Credit hours: 4. Prerequisite: ARTH 2263 or 2264 or permission of instructor. (AE, HE)*

ARTH 2214. African American Art Students will discover and analyze a range of expressions of African American artistic creativity from the colonial period to the present, including: religious art, portraiture, landscape, photography, the Harlem Renaissance, social realism, abstraction, public art, performance, and art as a tool for social justice. Includes opportunities to examine works at the Maier Museum of Art. *Credit hours: 4. Prerequisites: sophomore standing or permission of instructor. Alternate years. Offered Spring 2023, Session 4 (CI, HE)*

ARTH 2215. Art of the United States: Colonialism to the Present This course will explore topics such as nationalism, race, gender, space and place in art of the United States from the colonial period to the 20th century. Special use will be made of the works in the Maier Museum of Art. Field trips to local architectural sites. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years. Offered Fall 2022, Session 2 (CI, HE)*

ARTH 2238. Medieval Art: From Castles to Cathedrals Through lecture and seminar-style discussion, this course introduces the major ideas and artistic trends of the Medieval period. The political, philosophical, and spiritual changes that shaped the Western world after the dissolution of the Roman Empire are related to a selection of artistic periods and styles so

that students can achieve an understanding of Medieval art and architecture within its context. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years. (AE, HE)*

ARTH 2242. Baroque Art and Architecture: Saints and Sinners This course studies the emergence of the Baroque style in painting, sculpture, and architecture as a response to the political and spiritual upheaval wrought by the Protestant Reformation, the Council of Trent, and the Counter-Reformation. The formation of the style in Italy and its modification by northern European artists is addressed within their varied cultural contexts. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years. (AE, HE)*

ARTH 2243. Nineteenth-Century European Art This course analyzes major trends in European art from 1770 to 1900, including Neoclassicism, Romanticism, Realism, and Impressionism. Students will consider the shifting roles and definitions of art and the artist during a time of frequent revolutions, imperialist and capitalist expansion, rapid industrialization, urban development, and shifting social and cultural norms pertaining to gender, race, and class. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years. (AE, HE)*

ARTH 2244. Modern Art in Europe and the Americas An examination of Modern art as it developed in Europe and the Americas between 1860-1945. Students will consider the central role that art and visual culture played in the social, cultural, and political transformations across Europe and the Americas in the early 20th century. Includes opportunities to examine works in the Maier Museum of Art. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years. (AE, HE)*

ARTH 2257. Contemporary Art How did visual art change after 1960? How has globalization shaped contemporary art and its institutions? This course will focus on artists, objects, writings, and events that exemplify salient trends within contemporary art, including conceptual and performance art, feminist art, post-modernism and photography, site-specific art, new media, and socially-engaged art. Includes opportunities to examine works in the Maier Museum of Art. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years (AE, HE)*

ARTH 2261. Introduction to Museum Studies This course explores the history, philosophy, and functions of museums in society and the sociocultural meanings embodied in such institutions. Students interpret and critically examine museum collections and exhibitions, and are introduced to the various facets of museum work, including curating, education, conservation, and management. Special focus is placed on the exhibitions and programs of the Maier Museum of Art. Field trips are required. *Credit hours: 4. Prerequisite: ARTH 1101 or 1102. Offered Spring 2023, Session 3.*

ARTH 2263. Early Renaissance Art and Architecture: An Age of Courts and Communes A bold, new style emerged in fifteenth-century Florence, setting the standard for European and American art until it was challenged by Impressionism and Modernism. Students will become familiar with cornerstones of the Western tradition in painting, sculpture, and architecture, made by great artists including Giotto, Donatello and Brunelleschi. By examining the intellectual, spiritual and political context of the works, students will understand not only their artistic significance but their original meanings as well. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years. (AE, HE)*

ARTH 2264. High Renaissance Art and Architecture: Leonardo and His Legacy Who does not know the painting of the *Mona Lisa*? This course examines the career of one of the most influential artists of all time, Leonardo da Vinci, and focuses on his rival, Michelangelo. Students will also discover the contributions of Venetian masters such as Titian and Palladio, whose works have inspired artists and architects for centuries. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years. (AE, HE)*

ARTH 2277. American Movies An overview of the history and aesthetics of American films made both in Hollywood and independently. It examines the stylistic and narrative techniques utilized by filmmakers, the political economy of the film industry, and cinema's role in the global market. Students will explore various types of writing about film and develop their critical analysis and writing skills. Identical with MAC 2277. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. (AE, HE, WI)*

ARTH 2280. Philosophy of Art A survey of philosophical thinking about the nature of art. Students explore the most influential theories of art offered by philosophers from Plato through the postmodernists. Additional topics include the nature of artistic inspiration, the role of art in society, aesthetic judgment, postmodernism, and the evolutionary origins of art. *Identical with CPHL 2280. Credit hours: 4. (HE, WI)*

ARTH 2286 and 2286S: One-Time Only (International Travel Course)

Spring 2023, Session 4 and Summer 2023: Conflict and Confluence: Christianity, Islam, and Judaism in the Art and Literature of Early Spain

This international travel course begins on campus in the fourth session and travels to Spain in late May. With an interdisciplinary approach, the class will explore intercultural exchanges between Christians, Muslims, and Jews in premodern Spain. Through the study of art, architecture, spirituality and philosophy that incorporates contributions from all three cultures, students will learn about key moments in Spain's development from the fifth to the seventeenth centuries, including the Visigothic period, the Muslim conquest of the Iberian peninsula, the Christian "reconquest" against Islam, and the expulsion of the Jews. Particular focus will be given to the cultural exchanges between these cultures formed on differing religious traditions, which while at times were in conflict, also shared certain aspects of their faiths and impacted each other's forms of artistic expression. No prior knowledge of Spanish is required. *Credit hours: 1 (2286); and 3 (2286S). Identical with CPHL 2286 and 2286S with the same title. (AE, HE)*

ARTH 3305. Research in Art History Each student works on a research project in conjunction with a faculty member in the department. Projects may be at any stage of the research process, including a review of the literature, thesis or topic development, research, or stages of writing. The research may precede or follow a Summer Research project or could prepare for a senior paper. The student's research and writing are guided by faculty with individual conferences. *Credit hours: .5, 1, 2, 3, 4. Repeatable for up to 4 credits. By permission of instructor.*

ARTH 3314. Special Topics in Art History The topic will vary from year to year. *Credit hours: 4. Prerequisite: 2200-level art history course or permission of instructor (or as indicated for each topic). May be repeated for credit when topic differs.*

Fall 2022, Session 1: Museums, Communities, and Social Justice

What role do art museums play in contemporary society? How does community affect collections, programs, and museum culture? Should museums respond to current events in real time? This course provides a historical, theoretical, and practical introduction to civic engagement in museums vis-à-vis curation, exhibition design, and education. Emphasis will be on artists working at the intersection of art and social justice, and art museums with community-centered practices that actively promote equity and inclusivity. *Credit hours: 4. Prerequisite: junior standing or permission of the instructor.*

ARTH 3315. Curatorial Seminar at the Maier Museum of Art Students will co-curate an exhibition drawing largely on artworks from the permanent collection at the Maier Museum of Art. The instructor, with the assistance of the museum staff, will supervise the students. *Credit hours: 4. Prerequisites: ARTH 2215 and 2261 and permission of instructor. Offered as needed. (AE)*

ARTH 3378. Power and Beauty: Gender in Renaissance Art and Literature This course seeks to understand, analyze, and interpret representations of gender and sex within Renaissance art and literature (in both England and Italy). Using contemporary texts when possible and readings from the disciplines of literature, social history, feminist theory, and art historical texts, the course aims for a fuller assessment of gendered Renaissance life as it pertains to art and literature. *Identical with ENGL 3378. Credit hours: 4. Prerequisite: junior standing or permission of instructor. (CI, HE)*

ARTH 3380. World Cinema This course explores the major movements in world cinema. It also examines such related issues as the impact of globalization on national cinemas, the role of the state in legislating film policy, and the integration of cinema with movements for political and economic change. *Identical with MAC 3380. Credit hours: 4. Prerequisite: MAC/ARTH 2277 or permission of instructor. Alternate years. Offered Spring 2023. (AE, CI)*

ARTH 3382. Studies in Film The topic of this course will vary from year to year. Students may examine specific genres, directors, national cinemas, or film theories. *Identical with MAC 3382. Credit hours: 4. Prerequisite: MAC/ARTH 2277 or permission of instructor. May be repeated for credit when topic differs. (AE)*

ARTH 3384. Documentary History and Theory This course is an introduction to the history, theory, and aesthetics of documentary film. It traces several major historical movements in the development of documentary from Russia and Great Britain to Canada and the United States. Students will explore questions of ethics in documentary production, the development of various formal techniques, and a number of theoretical approaches to analyzing documentaries. *Identical with MAC 3384. Credit hours: 4. Prerequisite: MAC/ARTH 2277 or permission of instructor. Alternate years. (AE, CI, HE)*

ARTH 4493. Senior Seminar The seminar provides a systematic consideration of the major methods practiced by art historians, both pre-modern and modern, ranging from biography, iconography, and social history to feminism, post-structuralism, post-colonialism, and critical race art history. Students will choose one or more of these methods to write the senior paper and will present their research in a public forum at the Maier Museum of Art. *Credit hours: 4. Prerequisite: permission of Department.*

Studio Art Courses

Artistic expression is an integral component of a liberal arts education. The practice of art, as well as the study of its history, forms the studio art major.

The strength of the studio art program is the depth of study and practice of drawing and painting. Additional courses in special topics and printmaking are offered on an alternating basis. This emphasis on the two-dimensional has enabled students to pursue graduate study at major universities, nationally and internationally, and to work in art-related fields. The Department welcomes the non-major and offers a variety of courses.

Students interested in studio art (especially those wishing to study abroad in their junior year) are encouraged to take the introductory course (ARTS 1103) as soon as possible and to consult with studio art faculty. Questions concerning studio fees should be directed to the individual course instructors.

ARTS 1103. Introduction to Studio Art An introduction to the principles and visual vocabulary of studio art with emphasis on drawing and color using a variety of materials and techniques. *Credit hours: 4. Not open to students who have previously completed an advanced studio art course. Offered Fall 2022, Sessions 1 and 2, and Spring 2023, Session 3. (AE)*

ARTS 1106. Animal Drawing In this course students will draw animals, birds and reptiles. Skeletons of birds, reptiles, and other animals will also serve as our models. Films and field trips will augment this course. *Credit hours: 4. May be repeated for credit up to a maximum of eight credit hours. Offered Spring 2023, Session 4.*

ARTS 1181. Introduction to Digital Photography An introduction to the aesthetics and techniques of digital photography. Techniques include depth of field, lens choice, aperture settings, exposure, and use of software. Students will develop their creative vision, conceptualization skills, and technical proficiency, leading to a portfolio. *Identical with MAC 1181. Credit hours: 4. Prerequisite: ARTS 1103 or permission of instructor. Offered Fall 2022, Session 1. (AE)*

ARTS 1190. Nature Sculpture Students will study the sculpture of indigenous people and their use of materials of nature in making art. Students will incorporate this study making contemporary sculpture in art studios and outdoors using materials found in nature. Finished works will be sited in nature. *Credit hours: 4. No prerequisites. Offered once every 4 years. Offered Fall 2023.*

ARTS 2201. Watercolor Painting An introduction to the materials and techniques of watercolor. *Credit hours: 4. Prerequisite: ARTS 1103 or permission of instructor. May be repeated for credit up to a maximum of eight credit hours.*

ARTS 2210. Children's Book Illustration In this course students will develop, draw, and paint characters and creatures as illustrations for a children's book that they will produce. Source materials will include folk tales, contemporary children's books, and films for children. *Credit hours: 4. Prerequisite: ARTS 1103 or permission of instructor. May be repeated for credit up to a maximum of eight credit hours. Offered Spring 2023.*

ARTS 2231. Intermediate Drawing This course will focus on developing observational skills and hand/eye coordination. Students who take this course for credit a second time have the option choose their own subject matter to develop as drawings. *Credit hours: 4. Prerequisite: ARTS 1103 or permission of instructor. May be repeated for credit up to a maximum of eight credit hours. Offered Fall 2022 Session 1.*

ARTS 2233. Oil Painting This course is an introduction to the process and practice of oil painting. Both traditional and contemporary approaches will be used. Students who take this course for credit a second time have the option choose their own subject matter to develop as oil paintings. *Credit hours: 4. Prerequisite: ARTS 1103 or permission of instructor. May be repeated for credit up to a maximum of eight credit hours. Offered Spring 2023 Session 4.*

ARTS 2235. Printmaking: Monotypes This course will focus on the history and technique of monotypes. Often called the "painterly print" monotypes have drawn artists to explore the spontaneous and expressive depths of this colorful print

technique. Contemporary modes will be explored. *Credit hours: 4. Prerequisite: ARTS 1103 or permission of instructor. Offered Fall 2021, Session 2.*

ARTS 2248. Special Topics in Studio Technique and History of Japanese Woodcuts An exploration of printmaking through the technique of woodcut. Inspiration will be drawn from the arts and culture of Japan. *Credit hours: 4. Prerequisite: ARTS 1103 or permission of instructor. May be repeated for credit when topic differs.*

ARTS 2279. Digital Film Making This course is a basic introduction to filmmaking in the digital format; no previous filmmaking experience is necessary. It will familiarize students with the components of the digital video camera, the process of creating a moving image from single digital images, and the basics of non-linear digital editing. Identical with MAC 2279. Taught concurrently with MAC 2279. *Credit hours: 4. Prerequisite: ARTS/MAC 1181 or ARTH/MAC 2277 or permission of instructor. Offered Spring 2023, Session 4. (AE)*

ARTS 2286. One-Time Only

Fall 2022, Session 2: Seven Painting in Seven Weeks

At a pace of one painting a week, this class challenges a student's preconceived notion about their own abilities and about the possibilities of what their work can look like. Each week, the class may agree to create paintings from a shared prompt or theme. *Credit hours: 4. Prerequisite: ARTS 1103 or permission of the instructor.*

ARTS 3312. Special Topics in Studio Art Topics in studio art will vary from year to year. Possible topics include mosaic and fresco painting. *Credit hours: 4. Prerequisite: ARTS 1103 or permission of the instructor. May be repeated for credit when topic differs.*

ARTS 3323, 3324. Studio Drawing/Painting/Printmaking/Watercolor A student will continue study of a studio discipline at an increased level of challenging, independent work. This course is divided into sections as follows: Section A: Drawing; Section B: Painting; Section C: Printmaking; Section E: Watercolor. *Credit hours: 4. Prerequisite: ARTS 2231; 2233; 2235; or permission of instructor. May be repeated for credit up to a maximum of eight credit hours.*

Fall 2022, Session 1: Drawing; Session 2: Printmaking

Spring 2023, Session 4: Oil Painting

ARTS 3376. Advanced Digital Filmmaking This advanced course in the art of digital filmmaking teaches students how to create and tell visual multimedia stories in the digital age by using video, still images, time-lapse photography, and audio. Students will study new visual storytelling practices and film art using mobile devices and apps to produce narratives for the web, iPads, and smartphones. Identical with MAC 3376. *Credit hours: 4. May be repeated for up to eight credit hours. Prerequisite: ARTS/MAC 2279 or permission of instructor.*

ARTS 4423, 4424. Advanced Studio For students who have completed Art 3323, 3324. A student will continue study of a studio discipline pursuing a set of issues in depth. ARTS 4423 will also include professional practices training including, but not limited to, archival practices, museum/gallery practices, studio safety, and professional development. *Credit hours: 4. Prerequisite: ARTS 3323, 3324 and permission of instructor. May be repeated for credit up to a maximum of eight credit hours.*

ARTS 4425. Senior Studio I Seniors are expected to develop their individual artistic sensibility that will allow them to explore, in-depth, some aspect of creative visual expression. *Credit hours: 4. Prerequisite: permission of instructor. Required of all studio art majors.*

ARTS 4426. Senior Studio II Continuation of the Senior Studio I. At the end of the year students will present an exhibition of their work at the Maier Museum of Art. *Credit hours: 4. Prerequisite: ARTS 4425. Required of all studio art majors.*



ASIAN STUDIES

Interdisciplinary Minor Coordinator: Suzanne M. Bessenger
 Faculty: Selda Altan, Kun An, Suzanne M. Bessenger, Mari Ishibashi

Randolph College, formerly Randolph-Macon Woman's College, boasts a commitment to Asian Studies that spans nearly its entire institutional history. R-MWC welcomed its first student from China in 1907; Pearl S. Buck, the first American woman to receive the Nobel prize for literature, attended R-MWC from 1910-1914, and went on to become a humanitarian who spent the majority of her life bringing Asia and Asian culture to the world. Randolph College's Asian Studies academic program itself dates to 1960, and as such is one of the oldest Asian Studies programs in the American South.

Today this deep institutional history is complemented by a breadth of academic expertise, with course offerings on the Middle East, the Indian subcontinent, the Tibetan plateau, the east Asian cultures of China and Japan, and the Asian diaspora. With exposure to Asia's monumental contributions to humankind in the areas of political organization, religion, art, philosophy, and technology, students can craft Asian Studies minors that will contribute to their robust engagement with this vital area of the world via careers in a variety of fields.

Asian Studies Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|---|---------------------|
| <i>Required:</i> | | 12 |
| CHIN 1101, 1102* | Elementary Chinese | |
| POL 1115 | Introduction to East Asian Politics and Culture | |
| <i>One of the following:</i> | | 4 |
| CPHL 1124 | Introduction to the Philosophies of Asia | |
| ASIA 1147 | Religions of Asia [offered summer only] | |
| <i>One of the following:</i> | | 4 |
| HIST 1123 | East Asia to 1600 | |
| HIST 1124 | East Asia 1600 to Present | |
| <i>One of the following:</i> | | 4 |
| CHIN 1105 | Chinese Culture through Film | |
| CHIN 1106 | Modern Chinese Literature | |
| CHIN/MAC 1107 | Chinese Food Culture | |
| CHIN 2201, 2202 | Intermediate Chinese | |
| CHIN 3301, 3302 | Third-Year Chinese | |
| CPHL 1128 | Hinduism & Visual Culture | |
| CPHL 1141 | Buddhist Thought & Film | |
| CPHL 1168 | Death, Dying & Other Opportunities | |
| CPHL 2251 | Chinese Philosophy | |
| CPHL 2257 | Hindu Philosophy | |
| CPHL 2262 | Buddhist Philosophy | |
| CPHL 2265 | Buddhism, Mindfulness, & Cognitive Science | |
| CPHL 2268 | Gender & Buddhism | |
| HIST 2221 | Modern China | |
| HIST 2222 | Modern Japan | |
| HIST 2226 | History of the Middle East | |
| HIST 2230 | Chinatowns in the US | |
| HIST 3307 | Topics in Asian History | |
| POL 2222 | Gender Politics in Asia | |
| Total for Minor in Asian Studies | | 24 |

- Additional courses with significant content about Asia may be substituted for the above in consultation with the minor advisor.
- Students may not count more than two courses toward both their major and the Asian Studies minor.
- Only CHIN 1101 and 1102 can be used to fulfill requirements for both Chinese Studies and Asian Studies minors. No electives can be used to fulfill requirements in both minors.

- Students who test out of the Asian language requirement, or who fulfill the language requirement with an Asian language through a study-abroad experience, must take two additional Asia-related courses.

Asian Studies Courses

ASIA 1147. Religions of Asia. This course provides a thematic and historical overview of Hinduism, Buddhism, Daoism, and Confucianism, in the two cultural regions of India and China. Focusing on the major religious themes of each tradition, we examine how some religions developed in dialogue with each other, while others crystallized into distinct traditions in reaction to each other. 4 credits. Summer session. (CI, HE, WI)

See World Languages, Literatures, and Cultures for additional courses and information.



BIOLOGICAL SCIENCES

Faculty: Kristin M. Bliss, Ronald D. Gettinger, Erin Heller, Adam J. Houlihan, Amanda C. Rumore, Janna Russell
Staff: Sara Harper

The curriculum of the Department supports both the liberal arts and career interests of the student. Stressing current trends in biology and laboratory investigation, the curriculum for the major includes core courses in zoology, botany, physiology, and molecular biology; a wide variety of upper-level subjects; opportunities for independent study, experiential learning, and honors study in related areas; and a senior program focusing on topics in contemporary biology. Students majoring in biology may focus their major in field biology, molecular and cell biology, organismal biology, health-related biology, or choose a more general program. For the non-major, the Department offers courses, without prerequisite, in human biology as well as introductory biology.

In addition to laboratory work, the Department also supports an active program of field studies. The location of the College in the Piedmont region of Virginia permits access to the Blue Ridge Mountains, especially the Blue Ridge Parkway, to two National Forests, to the Atlantic Ocean and coastal plain, and to the Washington, D.C., area for trips to the National Zoo and the Smithsonian Institution. Local trips are made to the Blackwater Creek Natural Area and to the College's nature preserves.

Biology Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|--|---------------------|
| <i>Core Program</i> | | |
| BIOL 1100-level lecture and BIOL 1100L | | 4 |
| BIOL 2201-2201L | Zoology and Lab | 4 |
| BIOL 2202-2202L | Botany and Lab | 4 |
| BIOL 2203-2203L | Physiology and Lab | 4 |
| BIOL 2204-2204L | Intro Genetics/Molecular Biology and Lab | 4 |
| <i>Four 3300-level Biology courses (at least two with labs)</i> | | 14-16 |
| <i>Senior Program*</i> | | |
| BIOL 4495 | Senior Program | 4 |
| Total for BA Degree in Biology | | 38-40 |

**Also requires a satisfactory score on the Biology Major Field Test. Taken in the Spring semester of the senior year.*

Additionally for BS Degree

| | | |
|---------------------------------------|---------------------------|--------------|
| CHEM 1105-1105L, 1106-1106L | General Chemistry and Lab | 8 |
| CHEM 2205-2205L, 2206-2206L | Organic Chemistry and Lab | 8 |
| MATH 1149 | Calculus I | |
| OR 2227 | Elem Appl Stats | |
| OR 2232 | Data Science | 4 |
| Total for BS Degree in Biology | | 58-60 |

Pre-professional students and students interested in a career or graduate study in the natural sciences are encouraged to also take two physics courses with lab.

Biology Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|-----------------|---|---------------------|
| <i>Required</i> | | |
| | BIOL 1100-level lecture and BIOL 1100L | 4 |
| | Four 2200- or 3300-level Biology courses, at least three of which must have accompanying labs | 15-16 |
| | Total for Minor in Biology | 19-20 |

At least two 2200- or 3300-level course with labs must be completed in residence at Randolph College.

Special Programs

Majors have had a number of exceptional academic opportunities, including Summer study at Oak Ridge National Laboratory, Mountain Lake Biological Station, Rocky Mountain Biological Laboratory, Shoals Marine Laboratory, Gulf Coast Research Laboratory, Bowman Gray School of Medicine, MIT, University of Alabama, and Mayo Clinic.

The Marnie Reed Crowell '60 Award in Field Biology provides funds for biology majors of promise to carry out Summer study in environmental concerns at a field station of the student's choice.

Experiential Learning Examples

Veterinary medicine (large and small animal); respiration therapy; physical therapy; medical technology; commercial and Virginia State laboratory testing; pharmaceutical quality control; public health; family-practice clinic; neonatal and pediatric care.

Biology Courses

BIOL 1100L. Biological Principles Laboratory An introduction to fundamental principles in biology. Students explore cell structure and function, cell division, genetics, symbiotic relationships, evolution, and biodiversity, and learn basic laboratory techniques. *Credit hours: 1. Concurrent enrollment in or previous completion of either BIOL 1103; 1108; or 1118. Not open to students who have completed a 2200-level biology course. Offered every session. (NS)*

BIOL 1103. Introductory Biology A broad introduction to modern biology. Topics include evolution and the origin of life, biological molecules, cells, genetics, molecular biology, biodiversity, ecology, and other current issues in biology. Biology 1100L may be taken concurrently. *Credit hours: 3. Only one 1100-level biology lecture course counts towards the biology major. Offered every year: Fall 2022, Session 1 and 2 and Spring 2023, Sessions 3 and 4. (NS)*

BIOL 1108. Human Biology Fundamentals of modern biology in a human context. Human evolution, genetics, development, physiology, population biology, ecology, and behavior are all considered in this examination of *Homo sapiens*. Biology 1100L may be taken concurrently. *Credit hours: 3. Only one 1100-level biology lecture course counts towards the biology major. Normally offered every Spring, Session 3; not offered in the 2022/2023 academic year. (NS)*

BIOL 1118. Evolution A survey of the historical and scientific development of the modern theory of evolution. The contributions of Darwin and Wallace, the modern synthesis, recent refinements in evolutionary theory, and evidence for evolution are among the topics considered. Biology 1100L may be taken concurrently. *Credit hours: 3. Only one 1100-level biology lecture course counts towards the biology major. Offered as needed; not offered in 2022/2023 academic year. (NS)*

BIOL 2201. Zoology An introduction to the structure, ecology, behavior, and evolution of all major animal groups, including molluscs, annelids, arthropods, echinoderms, and chordates. Protists, the origin of multicellular forms, and basic environmental factors affecting multicellular animals also are considered. *Credit hours: 3. Prerequisite: BIOL 1100L and either BIOL 1103; 1108; 1118; or the equivalent. Corequisite: BIOL 2201L. Offered every Fall, Session 2.*

BIOL 2201L. Zoology Laboratory Laboratory and field studies illustrating the structure, ecology, behavior, and evolution of many of the organisms discussed in Biology 201. Students evaluate the major animal groups on a comparative basis through microscopy, dissection, and the study of live animals. *Credit hours: 1. Corequisite: BIOL 2201. Offered every Fall, Session 2.*

BIOL 2202. Botany An introduction to non-zoological organisms including plants. Students explore a variety of topics including photosynthetic bacteria, photosynthetic protists, fungi, non-vascular and vascular plants. Study of these groups spans cellular to macroscopic. Evolutionary relatedness of plant groups and progression in form and physiology over time are also explored. *Credit hours: 3. Prerequisite: BIOL 1100L and either BIOL 1103; 1108; or 1118; or the equivalent. Corequisite: BIOL 2202L. Offered every Spring, Session 4.*

BIOL 2202L. Botany Laboratory Students engage in lab exercises that are designed to complement BIOL 2202 Botany lecture and enhance student understanding of botanical concepts. Emphasis is placed on developing scientific reasoning and experimental design capabilities of students. Several open-ended inquiry exercises and long-term plant experiments are completed during the session. Students also conduct complex analyses and write detailed lab reports about their research results. *Credit hours: 1. Corequisite: BIOL 2202. Offered every Spring, Session 4.*

BIOL 2203. Physiology An introduction to the functional processes of animals. Physical and chemical principles that dictate physiological function are explored. Nervous, endocrine, muscular, cardiovascular, respiratory, excretory, and reproductive systems are examined at different levels of organization. *Credit hours: 3. Prerequisite: BIOL 1100L and either BIOL 1103; 1108; or 1118; or the equivalent. Corequisite: BIOL 2203L. Offered every Fall, Session 1.*

BIOL 2203L. Physiology Laboratory Exercises in cardiovascular, muscular, nervous, and respiratory physiology, as well as basic investigations in microscopy, cell function, and histology. Emphasis is on critical skills such as technical writing and data analysis. *Credit hours: 1. Corequisite: BIOL 2203. Offered every Fall, Session 1.*

BIOL 2204. Introductory Genetics and Molecular Biology Examination of cellular processes involved in the storage, transfer, and expression of genetic information. Topics include transmission genetics and inheritance probabilities; the structure, function, and synthesis of DNA; mutation and repair; gene expression and protein synthesis; and regulation of gene expression. *Credit hours: 3. Prerequisite: BIOL 1100L and either BIOL 1103; 1108; 1118; or the equivalent; sophomore standing recommended. Corequisite: BIOL 2204L. Offered every Spring, session 3.*

BIOL 2204L. Introductory Genetics and Molecular Biology Laboratory Laboratory exercises involve multi-week projects implementing the fundamental tools of molecular biology. Techniques include molecular cloning, transformation, DNA isolation, gel electrophoresis, PCR, DNA sequence analysis, and examination of proteins. *Credit hours: 1. Corequisite: BIOL 2204. Offered every Spring, Session 3.*

BIOL 3306. Immunology A presentation of the fundamentals of immunology blending theory with practical application. Topics include development of the cells of the immune system, antigens, antibodies, immunization, allergic reactions, organ transplants, immunology of cancer, the autoimmune phenomenon, and immunodeficiency diseases. *Credit hours: 3. Prerequisite: two courses in biology at the 2200 level, including BIOL 2203-2203L. Normally offered every Fall, Session 2; not offered in the 2022/2023 academic year.*

BIOL 3306L Immunology Laboratory Advanced and applied laboratory course integrating the principal methods of cell biology and immunology. Techniques covered include, but are not limited to, immunoblotting, SDS-PAGE, PCR, ELISA, immunohistochemistry, tissue culture, microscopy, and working with murine models. *Credit hours: 1. Prerequisite or corequisite: BIOL 3306. Normally offered every Fall, Session 2; not offered in the 2022/2023 academic year.*

BIOL 3308. Genomics and Bioinformatics An in-depth examination of cellular, organellar, and viral genomes and bioinformatic methods used to analyze genomic, transcriptomic, and proteomic data. Topics may include: analysis of genomic sequences, comparative genomics, genome annotation, transcriptomics, network biology, proteomics, protein folding and structure prediction, protein-protein interaction, and statistical methods used in bioinformatics. *Credit hours: 3. Prerequisite: Two courses in biology at the 2200 level, including BIOL 2204-2204L, or permission of instructor. Alternate years: Offered Spring 2024, Session 4.*

BIOL 3308L. Genomics and Bioinformatics Laboratory Advanced exercises in molecular genetics, bioinformatics, and biostatistics. *Credit hours: 1. Prerequisite or corequisite: BIOL 3308. Alternate years: offered Spring 2024, Session 4.*

BIOL 3316. Developmental Biology An introduction to the patterns of embryonic development in several organisms, including chordates. The origin of differentiated tissues and the development of organ systems are considered. Comparative reproductive patterns of vertebrates, metamorphosis in insects and amphibians, and stem cells are also discussed. *Credit hours: 3. Prerequisite: two courses in biology at the 2200 level, including BIOL 2204-2204L. Alternate years: offered Spring 2023, Session 4.*

BIOL 3316L. Developmental Biology Laboratory Laboratory studies and experiments illustrating the concepts presented in Biology 316. The student gains familiarity with the important stages in the development of plants, amphibians, birds, and mammals. In addition, the student observes the process of fertilization in sea urchins and ferns, studies the development of living amphibian and bird embryos and investigates insect metamorphosis. *Credit hours: 1. Prerequisite or corequisite: BIOL 3316. Alternate years: offered Spring 2023, Session 4.*

BIOL 3319. Ecology The relationships of organisms to their environments are examined from an evolutionary perspective. Topics include speciation, adaptation, population dynamics, competition, predator/prey relationships, mutualism, productivity, succession, trophic dynamics, and biogeography. Students may also enroll in BIOL 319L but it is not required. *Credit hours: 3. Prerequisite: two courses in biology at the 2200 level, including BIOL 2202-2202L. Normally offered every Spring, Session 4; will be offered in session 3 of Spring 2023.*

BIOL 3319L. Ecology Laboratory Field study of local natural history and an introduction to instrumentation and ecological methods. *Credit hours: 1. Prerequisite or corequisite: BIOL 3319 or permission of instructor. Normally offered every Spring, Session 4; will be offered in session 3 of Spring 2023.*

BIOL 3320. Microbiology An introduction to microorganisms, including microbial cell structure and function, growth and metabolism, genetics, evolution, classification, ecology, disease, and epidemiology. *Credit hours: 3. Prerequisite: two courses in biology at the 2200 level, including BIOL 2204-2204L. Corequisite: BIOL 3320L. Offered every Fall, Session 1.*

BIOL 3320L. Microbiology Laboratory Laboratory exercises in microbiology, including: aseptic technique, bacterial isolation and cultivation, slide staining and microscopy, growth curves and growth rate kinetics, antimicrobial susceptibility testing, culture-based identification of clinical isolates, and immunological and serological detection of pathogens. As part of this lab, students will also design, conduct, and formally present the results of a multi-week semi-independent research project. *Credit hours: 1. Corequisite: BIOL 3320. Offered every Fall, Session 1.*

BIOL 3321. Animal Behavior An introduction to the biology of behavior. Topics include the genetic basis for behavior, neural anatomy, the evolution of behavior patterns, behavioral ecology, communication, orientation and navigation, and comparative vertebrate social behavior. Emphasis on results from animal studies, which lead to a better understanding of human behavior. *Credit hours: 3. Prerequisite: two courses in biology at the 2200 level, including either BIOL 2201- 2201L or 2203-2203L. Alternate years: offered Spring 2023, Session 3.*

BIOL 3321L. Animal Behavior Laboratory Field and laboratory experiments in animal behavior, as well as projects and discussions supporting and complementing Biology 3321. *Credit hours: 1. Prerequisite or corequisite: BIOL 3321. Alternate years: offered Spring 2023, Session 3.*

BIOL 3324. Ornithology-Mammalogy An examination of the evolution, structure, ecology, and behavior of birds and mammals. Topics include the impact of Pleistocene glaciations on avian and mammalian evolution and diversity, predator-prey relationships, mammalian thermoregulation and water economy, mammalian echolocation, and the mechanics of avian flight. *Credit hours: 3. Prerequisite: two courses in biology at the 2200 level, including BIOL 2201-2201L. Corequisite: BIOL 3324L. Offered as needed; not offered in the 2022/2023 academic year.*

BIOL 3324L. Ornithology-Mammalogy Laboratory Field and laboratory studies and experiments illustrating the concepts presented in Biology 3324. Topics include the comparative skeletal anatomy of major mammalian groups and basic avian anatomy and physiology. Students also gain experience with preparing study skins and identifying Virginia species of birds and mammals. *Credit hours: 1. Corequisite: BIOL 3324. Offered as needed; not offered in the 2022/2023 academic year.*

BIOL 3329. Economic Botany An examination of how agriculture, industry, and medicine rely on plant diversity and their products. Topics include origin of crops, medicinal plants, plant fibers, spices, and industrial uses of plants. Emphasis is placed on written analysis of primary literature and student presentations. *Credit hours: 4. Prerequisite: two courses in biology at the 2200 level, including BIOL 2202-2202L, or permission of instructor. Alternate years: offered Fall 2023, Session 2.*

BIOL 3351. Topics in Biology This course is intended to develop and enhance student research skills through analysis of primary literature, presentation, class discussion, and written assignments. Students select research papers that are analyzed through a global lens and real world ramifications are discussed. *Credit hours: 4. Prerequisite: Two 2200-level biology courses. Alternate years: offered Fall 2022, Session 2.*

BIOL 3385, 3385L. One-Time Only

Fall, 2022, Session 2: Virology

This course will cover the structure, genomics & genetics, ecology, evolution, and replication cycles of viruses. Focus will be on bacteriophage and viruses that infect humans, including pathogenesis, immunity, and pharmacological interventions. The use of viruses for scientific research and biotechnological applications may also be included. *Credit hours: 3. Prerequisites: BIOL 2204/L and junior standing or permission of instructor.*

Lab: Laboratory and in silico experiments on viruses: plaque assays, titers, isolation of viruses, analysis of viral nucleic acids, viral diagnostic serology. *Credit hours: 1. Corequisite: BIOL 3385 (virology).*

BIOL 4495. Senior Program Students perform in-depth library research on a contemporary topic in biology that is relevant to their own post-graduate goals or general interests. Students present their findings in a formal paper and in an oral presentation. *Credit hours: 4. Offered every year: Fall 2022, Session 1 and Spring 2023, Session 4.*



CHEMICAL PHYSICS

Interdisciplinary Major Coordinator, Jesse Kern

The major in Chemical Physics provides students with broad training in physical science, mathematics, and laboratory techniques. The core courses provide the conceptual foundation of the many interactions between matter and energy, which are fundamental to an understanding of the natural world. Students develop specialized interests in their choice of elective courses and might focus on coursework that prepares them for careers in academia, research and development, quality assurance, scientific writing, public outreach, and more. Qualified majors have the opportunity of serving as laboratory assistants and tutors. All students will have hands-on experience with original research as part of the senior program in either the Department of Chemistry or the Department of Physics & Engineering.

Chemical Physics BS

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|-----------------------------------|--|---------------------|
| <i>Required Chemistry Courses</i> | | |
| CHEM 1105, 1105L | General Chemistry I and Lab | 4 |
| CHEM 1106, 1106L | General Chemistry II and Lab | 4 |
| CHEM 3307, 3307L | Molecular Quantum Mechanics and Lab | 4 |
| CHEM 3378, 3378L | Statistical Thermodynamics and Lab | 4 |
| <i>One of the following:</i> | | 4 |
| CHEM 2235, 2235L | Environmental Analytical Chemistry and Lab | |
| CHEM 4425, 4435L | Inorganic Chemistry and Lab | |
| <i>Required Physics Courses</i> | | |
| PHYS 1115, 1115L | General Physics I and Lab | 4 |
| PHYS 1116, 1116L | General Physics II and Lab | 4 |
| PHYS 2251 | Modern Physics | 4 |
| <i>Two of the following:</i> | | 8 |
| PHYS 3331 | Electronics Lab | |
| PHYS 3332 | Advanced Physics Lab | |
| PHYS 3341 | Classical Mechanics | |
| <i>Required Math Course</i> | | |
| MATH 2250 | Calculus III | 4 |
| <i>One of the following:</i> | | 4 |

| | | |
|---|---|--------------|
| MATH 3331 | Differential Equations | |
| PHYS 3301 | Diff Equations for Scientists and Engineers | |
| <i>Senior Program: One of the following series of courses</i> | | |
| CHEM 3391 | Graduate and Professional Development | 1 |
| CHEM 3392 | Information Literacy and Digital Competence | 1 |
| CHEM 4496 | Laboratory Research | 1-2 |
| CHEM 4499 | Senior Capstone | 1 |
| <u>OR</u> | | |
| PHYS 4494 | Senior Research | 1 or 3 |
| PHYS 4495, 4496 (.5 hrs each) | Senior Seminar I, II | 1 |
| Total for BS Degree in Chemical Physics: | | 50-53 |



CHEMISTRY

Faculty: William D. Bare, Ann M. Fabirkiewicz, Jesse L. Kern

Through lectures, laboratory work, research, and seminars, the program of the Department of Chemistry provides students with a basic knowledge and conceptual understanding of matter: its structure and properties and the nature, energetics, and dynamics of its transformations. The Department maintains small lecture and laboratory sections to ensure that students have extensive access to its faculty, facilities and instrumentation. Qualified majors have the opportunity of serving as laboratory assistants and tutors. The Department encourages and aids in the placement of students into Summer research programs, which can, with permission from the Department, be used to partially fulfill the requirements for the senior program.

Chemistry Major (BA)

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|--|---------------------|
| <i>Required:</i> | | |
| CHEM 1105-1105L, 1106-1106L | General Chemistry and Lab | 8 |
| CHEM 2205-2205L, 2206-2206L | Organic Chemistry and Lab | 8 |
| CHEM 2235-2235L | Environmental Chemistry and Analysis and Lab | 4 |
| CHEM 3307-3307L | Molecular Quantum Mechanics and Lab | 4 |
| CHEM/PHYS 3378-3378L | Classical and Statistical Thermodynamics and Lab | 4 |
| <i>One of the following:</i> | | 4 |
| CHEM 2245 | Environmental Chemistry of Energy & Atmosphere | |
| CHEM 2291 | Chemical Research | |
| CHEM 3312 | Topics in Organic Chemistry | |
| CHEM 3335-3335L | Biochemistry and Lab | |
| CHEM 4425-4425L | Inorganic Chemistry and Lab | |
| <i>Senior Program for BA</i> | | |
| CHEM 3391 | Graduate and Professional Development | 1 |
| CHEM 3392 | Information Literacy and Digital Competence | 1 |
| CHEM 4494* | Research Project | 1 |
| CHEM 4499 | Senior Capstone | 1 |
| Total for BA Degree in Chemistry | | 36 |

* Honors research replaces this requirement for students reading for Honors.

Chemistry Major (BS)

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|-----------------------------|--|---------------------|
| <i>Required:</i> | | |
| CHEM 1105-1105L, 1106-1106L | General Chemistry and Lab | 8 |
| CHEM 2205-2205L, 2206-2206L | Organic Chemistry and Lab | 8 |
| CHEM 2235-2235L | Environmental Chemistry and Analysis and Lab | 4 |
| CHEM 3307-3307L | Molecular Quantum Mechanics and Lab | 4 |

| | | |
|--|--|--------------|
| CHEM/PHYS 3378-3378L | Classical and Statistical Thermodynamics and Lab | 4 |
| <i>Two of the following, at least one must have a lab:</i> | | 8 |
| CHEM 2245 | Environmental Chemistry of Energy & Atmosphere | |
| CHEM 3312 | Topics in Organic Chemistry | |
| CHEM 3335-3335L | Biochemistry and Lab | |
| CHEM 4425-4425L | Inorganic Chemistry and Lab | |
| <i>Senior Program for BS</i> | | |
| CHEM 3391 | Graduate and Professional Development | 1 |
| CHEM 3392 | Information Literacy and Digital Competence | 1 |
| CHEM 4496 | Laboratory Research | 1-2 |
| CHEM 4499 | Senior Capstone | 1 |
| Total for BS Degree in Chemistry | | 40-41 |

- Transfer students must complete the equivalent of the normal junior and senior year credit hour requirement in chemistry (a minimum of 15-21 hours) in residence at Randolph College.
- Additional courses required as prerequisites for courses for the chemistry major include MATH 1149 and 1150 and PHYS 1115-1115L, 1116-1116L, or their equivalents.

Chemistry Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|---------------------------|---------------------|
| <i>Required:</i> | | |
| CHEM 1105-1105L, 1106-1106L | General Chemistry and Lab | 8 |
| CHEM 2205-2205L, 2206-2206L | Organic Chemistry and Lab | 8 |
| <i>One additional Chemistry course with lab</i> | | 4 |
| Total for Minor in Chemistry* | | 20 |

*At least 8 of the credit hours must be earned in residence at Randolph College.

Recommended Courses

BIOL 1103; PHYS 2251, 3032; MATH 2241 and 2250; CPHL 2230; I ST 1141.

Special Programs

Chemistry majors have completed special programs in forensic science with the Charlottesville Police Department; pharmacy at Lynchburg General Hospital; sanitation in the Hampton Roads Sanitation District; analytical chemistry at Fleet labs and Abbott labs, scribing at the Lynchburg Free Clinic, working with the Department of Environmental Quality, and working in the College's Natural History Collection.

Chemistry Courses

For all prerequisites, unless stated otherwise, a student must have a passing grade or the equivalent or permission of instructor. The first lecture and laboratory course in a course sequence are both prerequisites for the second course.

CHEM 1105, 1106. General Chemistry I, II An introductory course presenting atomic and molecular structure and reactions, bonding, stoichiometry, the periodic table, energy relationships, kinetics, equilibrium, acids and bases, and electrochemistry. *Credit hours: 3, 3. Corequisite: CHEM 1105L, 1106L. Prerequisite: MATH 1119 or equivalent or placement in a higher level mathematics course. (NS, QR)*

CHEM 1105L, 1106L. General Chemistry Laboratory I, II Laboratory experiences that supplement and illustrate the concepts presented in CHEM 1105, 1106. *Credit hours: 1, 1. Corequisite: CHEM 1105, 1106. (NS)*

CHEM 2205, 2206. Organic Chemistry I, II A systematic study of the compounds of carbon, with emphasis on modern electronic interpretations of reaction mechanisms and multistep organic synthesis. *Credit hours: 3, 3. Prerequisite: CHEM 1106 or the equivalent. Corequisite: CHEM 2205L, 2206L.*

CHEM 2205L, 2206L. Organic Chemistry Laboratory I, II Laboratory experiences that supplement and illustrate the concepts presented in Chemistry 205, 206, including a survey of the techniques of organic chemistry, the preparation of representative organic compounds, and an emphasis on instrumental techniques including gas and high performance liquid chromatography, mass, infrared, magnetic resonance and ultraviolet spectroscopy. *Credit hours: 1, 1. Corequisite: CHEM 2205, 2206.*

CHEM 2235. Environmental Chemistry and Analysis This course focuses on the complex chemistry of soils, rivers, streams, and oceans. Important topics will include acid-base chemistry, complex equilibria, redox chemistry, pE-pH diagrams, pollution, and waste water systems. *Credit hours: 3. Prerequisites: CHEM 1106.*

CHEM 2235L. Environmental Chemistry and Analysis Laboratory In this course students will gain practical experience with the sampling and analytical techniques that are essential for the chemical analysis of the environment. *Credit hours: 1. Prerequisites: CHEM 1106. Corequisite: CHEM 2235.*

CHEM 2245. Environmental Chemistry of Energy and the Atmosphere In this course students will study the chemical composition and behavior of the Earth's atmosphere. Special attention will be given the chemical reactions involved in global warming, ozone depletion, smog formation, and the production and consumption of energy. *Credit hours: 4. Prerequisites: CHEM 1106. Alternate years: offered Spring.*

CHEM 2291L. Chemical Research This course provides an opportunity for students to undertake an individual research project. The course will introduce students to current chemical literature, laboratory research methods, and presentation of experimental results. The research project will culminate in a written report following the guidelines of the ACS. *Credit hours: 1 or 2. Prerequisite: permission of instructor. May be repeated for credit up to a maximum of four hours.*

CHEM 3307. Molecular Quantum Mechanics This course presents a survey of quantum mechanics including properties of particles and waves, wave mechanics, model quantum-mechanical systems, the hydrogen atom, and simple molecular system. *Credit hours: 3. Prerequisite: CHEM 1106; MATH 1150R; PHYS 1116; or permission of instructor. (WI, when both lecture and lab are passed)*

CHEM 3307L. Molecular Quantum Mechanics Laboratory Laboratory experiments that supplement concepts presented in Chemistry 3307, with an emphasis on professional writing in ACS format. *Credit hours: 1. Corequisite: CHEM 3307. (WI, when both lecture and lab are passed).*

CHEM 3312. Topics in Organic Chemistry A continuation of Chemistry 2205, 2206. Topics may include concerted reactions and reaction mechanisms, advanced nomenclature, linear free energy relationships, total synthesis, and organic spectroscopy. *Credit hours: 4. Prerequisite: CHEM 2206. Alternate years: Offered Spring.*

CHEM 3335. Biochemistry The chemistry of substances of biological importance and reactions involved in biological processes, including protein structure and function, metabolic pathways, and an introduction to the chemistry of genetic material. *Credit hours: 3. Prerequisite: CHEM 2206.*

CHEM 3335L. Biochemistry Laboratory Laboratory experiences that supplement and illustrate the concepts presented in Chemistry 3335, including basic biochemical techniques and procedures. *Credit hours: 1. Prerequisite or corequisite: CHEM 3335.*

CHEM 3378. Classical and Statistical Thermodynamics An introduction to thermodynamics and statistical mechanics, including review of important topics from statistics and probability, statistical description of particle systems, calculation of thermodynamic quantities, quantum statistics of ideal gases, and other basic methods and results of thermodynamics and statistical mechanics. *Credit hours: 3. Prerequisite: MATH 1150 and PHYS 1116. Identical with PHYS 3378. (WI, when both lecture and lab are passed).*

CHEM 3378L. Classical and Statistical Thermodynamics Lab Laboratory experiments that supplement concepts presented in Chemistry/Physics 378, with an emphasis on professional writing in ACS format. *Credit hours: 1. Identical with PHYS 3378L. Corequisite: CHEM/PHYS 3378. (WI, when both lecture and lab are passed).*

CHEM 3391. Graduate and Professional Development Career development, webinars on a variety of topics, invited speakers, and student oral presentations. *Credit hours: 1. Prerequisite: permission of the Department.*

CHEM 3392. Information Literacy and Digital Competence. Information Literacy and Digital Competence Literature searching techniques, digital age literacy, use of chemical software and electronic research tools. *Credit hours: 1. Prerequisite: permission of the Department.*

CHEM 4425. Inorganic Chemistry A survey of topics in inorganic chemistry, including the fundamentals of atomic structure, bonding theory, nomenclature, coordination chemistry, descriptive chemistry, and an introduction to the Current literature in inorganic chemistry. *Credit hours: 3. Prerequisite: CHEM 3307 and permission of instructor. Alternate years.*

CHEM 4425L. Inorganic Chemistry Laboratory Laboratory experiences that supplement the concepts presented in Chemistry 4425, including the preparation and characterization of inorganic compounds. *Credit hours: 1. Corequisite: CHEM 4425. Alternate years.*

CHEM 4494. Research Project A senior project requiring intensive library research will be developed and conducted under the supervision of a faculty member. *Credit hours: 1 Prerequisite: permission of the Department. Only BA chemistry majors not reading for Honors take this course.*

CHEM 4496. Laboratory Research A senior project reflecting intensive laboratory research will be developed and conducted under the supervision of a faculty member. *Credit hours: 1. May be repeated for credit. Prerequisite: permission of the Department. Only BS chemistry majors not reading for Honors take these courses.*

CHEM 4499. Senior Capstone A senior paper summarizing the work of the senior project will be presented for evaluation by all members of the Department. Students will also present their work orally, including a final public presentation before a group of faculty representing different area colleges. *Credit hours: 1. Prerequisite: permission of the Department. Offered session 4.*



CHINESE LANGUAGE: SEE WORLD LANGUAGES, LITERATURES, AND CULTURES



CLASSICS: SEE WORLD LANGUAGES, LITERATURES, AND CULTURES



COGNITIVE SCIENCE

Interdisciplinary Minor Coordinator: Blair Gross

Cognitive Science is the interdisciplinary study of the nature of human knowledge and how it is acquired and used. Cognitive science draws on concepts and methodology from psychology, comparative philosophy, computer science, language sciences, and neuroscience and emphasizes how to think and engage in reasoning and constructive problem-solving – skills that can be applied across disciplines. Students will learn how information is represented and processed, and may also learn advanced computational skills such as computer programming and working with data structures.

Cognitive Science Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|------------------------------|--------------------------------------|---------------------|
| <u>Required</u> | | |
| PSYC 2211 | Cognitive Psychology | 4 |
| PSYC 2260 | Language Acquisition and Development | 4 |
| PSYC 3338 | Cognitive Neuroscience | 4 |
| CPHL 2237 | Philosophy of Mind | 4 |
| <i>One of the following:</i> | | 4 |

| | | |
|---|---|-----------|
| CSCI 2225 | Matlab and Labview | |
| DSCI/MATH 2232 | Introduction to Data Science | |
| DSCI 2233 | Machine Learning | |
| <i>One of the following:</i> | | 4 |
| CPHL 2230 | Logic | |
| PSYC 3325 | Psychology of Music | |
| PSYC 3334 | Thinking and Reasoning in Psychological Science | |
| Total for minor in Cognitive Science | | 24 |

See individual department listings for course descriptions



COMPARATIVE PHILOSOPHY

Faculty: Suzanne Bessenger, Kaija Mortensen, David T. Schwartz, Gordon Steffey

Comparative Philosophy students grapple with their own habits of thought and those of others with the aim of critically analyzing assumptions, asking meaningful questions, and mapping landscapes of possible answers. Comparison in philosophy enlarges our vision and imagination and thus our capacity for negotiating difficult problems of self and society. Students wrestle with questions humans inevitably face: What is knowledge and can we hope to attain it? What does it mean to lead a good life? What does it mean to die well? Do people the world over think the same way about basic issues, or are there incommensurable differences among cultures? If there are differences, must we respect them? The goal of this work is just engagement in the global public square.

Comparative Philosophy Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|--|---------------------|
| <i>Required:</i> | | |
| CPHL 1111 | Ancients and Moderns | 4 |
| <i>Select five courses from the following (at least two must be at the 2200-level or above)</i> | | |
| <i>One of the following Examining Cultures courses:</i> | | 4 |
| CPHL1121 | Philosophies of Latin America | |
| CPHL 1124 | Introduction to the Philosophies of Asia | |
| CPHL 1126 | African and Africana Thought | |
| CPHL 2241 | Islamic Thought | |
| CPHL 2251 | Chinese Philosophy | |
| CPHL 2257 | Hindu Philosophy | |
| CPHL 2262 | Buddhist Philosophy | |
| <i>One of the following Engaging Thought courses:</i> | | 4 |
| CPHL 1133 | Ethics and Public Life | |
| CPHL 1162 | Anger, Anxiety, and Moral Concern | |
| CPHL 1165 | Faith and Doubt | |
| CPHL 1168 | Death, Dying, & Other Opportunities | |
| CPHL 2214 | Bioethics | |
| CPHL 2221 | Crime and Punishment | |
| CPHL 2224 | Epistemic Injustice | |
| CPHL 2239 | The Art of Living | |
| CPHL 2268 | Gender and Buddhism | |
| CPHL 3361 | Environmental Philosophy | |
| POL 2203 | Philosophy of Law | |
| <i>Three additional CPHL courses</i> | | 12 |
| <i>One of the following Logic courses:</i> | | 4 |
| CPHL 1175 | Practical Reasoning | |
| CPHL 2230 | Logic | |
| <i>Additional required course:</i> | | |
| CPHL3391 | On the Shoulders of Giants | 4 |

Senior Program:

| | | |
|--|----------------|-----------|
| CPHL 4494 | Senior Seminar | 4 |
| Total for BA Degree in Comparative Philosophy | | 36 |

Note: *Ancients and Moderns*, *Examining Cultures*, *Engaging Thought*, and *Logic* requirements must be completed prior to enrolling in Senior Seminar.

Comparative Philosophy Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|---------------------|---------------------|
| <i>Required:</i> | | |
| CPHL1111: Ancients and Moderns | | 4 |
| One Examining Cultures course | | 4 |
| One Logic course | | 4 |
| Two additional Comparative Philosophy courses (one of which must be at the 2200 level or above) | | 8 |
| Total for Minor in Philosophy | | 20 |

Experiential Learning Opportunities

Majors and minors are encouraged to participate in activities such as the Ethics Bowl competition and teaching philosophy to children in local K-12 schools. Students are also encouraged to pursue independent research projects and/or internships in fields such as medical and environmental ethics, non-profit management, law, etc.

Comparative Philosophy Courses

CPHL 1111. Ancients and Moderns Legendary educator Socrates claimed, “the unexamined life is not worth living,” highlighting the crucial role of philosophy in a life well lived. In the first half of the course, we survey the origin and evolution of philosophy in western cultures of the classical and medieval period through close attention to its pioneering questions, methods, and insights. In the second half, we consider the revolution in philosophy prompted by the challenge of reconciling classical thought with the rise of the new science and a new mechanistic view of the universe. *Credit hours: 4. (HE)*

CPHL 1121. Philosophies of Latin America Introduction to Latin American thought from pre-Columbian America and the Caribbean through the period of contact, conquest, and colony, to the influence and decline of positivism and the rise of Catholic and Marxist philosophies of liberation and decoloniality today. Topics include racial and cultural identity in the aftermath of colonial unities and hierarchies, epistemic justice and folk knowledge in plurinational societies, indigeneity and commodification, the social and political conditioning of reason, male privilege and the coloniality of gender, poverty and justice, and Latinx theories of belonging. *Credit hours: 4. Alternate years. (CI, HE)*

CPHL 1124. Introduction to the Philosophies of Asia This class explores classical Indian and Chinese philosophical thought as found in the traditions of Hinduism, Buddhism, Confucianism, and Daoism. Comparing and contrasting Asian and European distinctions between terms like “religion” and “philosophy”, this class explores competing ideas about valid ways of knowing, and pays particular attention to each tradition's claims about the nature of the self and possibilities for its transformation. *Credit hours: 4. (CI, HE)*

CPHL 1126. African and Africana Thought The philosopher Hegel dismissed Africa as a “land of childhood” with “no part in world history.” African and Africana thought examine the difficult history linking Africa and the diaspora to Europe, drawing on the intellectual resources of pre- and postcolonial African and diaspora societies. Culturally and temporally diverse reckonings with the nature of knowledge, identity, community, and time sit alongside postcolonial analyses of race, justice and reconciliation, and late capitalism. Attention to Négritude, Nguni *ubuntu*, sage philosophy, decoloniality and more. *Credit hours: 4. Alternate years. (CI, HE)*

CPHL 1128. Hinduism and Visual Culture What is seeing? Is it a universal and objective experience, or is it culturally mediated? Is it an act of devotion, or an act of creation? Is seeing shaped by belief, or does seeing itself transform those who see? This class poses these questions in the context of the creation and transmission of those traditions of South Asia commonly known as “Hinduism,” with special emphasis on that tradition’s use of visually mediated interactions such as film, comic books, murti, puja, and darshan. Topics to be examined include caste and class, brahmanical and renouncer traditions, women and gender, diaspora, and the continuing relevance of visual renderings of great epics such as the Ramayana. *Credit hours: 4. Alternate years (CI, HE)*

CPHL 1132. Knowledge, Reality, and the Self An introduction to philosophy through reading classical and contemporary authors on traditional issues. Topics will be selected from among the following: the ethics of belief, the grounds and limits of knowledge, mind and its place in nature, personal identity, determinism and free will, theories of the self, and the possibility of transformative experience. *Credit hours: 4. Alternate years. (HE)*

CPHL 1133. Ethics and Public Life An introduction to philosophical thinking about morality and public life. Readings address concrete issues such as world hunger, racism, sexual misconduct, and vegetarianism, as well as theoretical topics such as human happiness, the nature of right and wrong, and the relationship between morality and law. *Credit hours: 4. (HE)*

CPHL 1141. Buddhist Thought & Film This course examines Buddhist philosophy, ethics, themes, and motifs as they are explored and conveyed through the medium of film, with a particular focus on how this modern medium not only transmits but transforms traditional tenets. *Credit hours: 4. Alternate years. (AE, HE)*

CPHL 1162. Anger, Anxiety, and Moral Concern What is the relationship between our emotions and our values? What role do emotions that often appear negative, such as anger and anxiety play, in expressing and cultivating moral values? This course examines both historical and contemporary texts at the intersection of philosophy and moral psychology, with particular attention to the role emotions play in inspiring moral change. *Credit hours: 4. Alternate years. (HE)*

CPHL 1165. Faith and Doubt Is ‘faith’ a desperate pitch to gain influence over a world ill-suited to human desires? Is it a by-product of fear, resentment, wishful thinking, and/or a primitive stage in human intellectual development? Is it immoral? Is it coherent? This course investigates several historically significant instances of ‘doubt’ as representative of four general approaches to the critique of ‘faith.’ Special attention to repercussions for believers and to responses and strategies of response to critics. *Credit hours: 4. (CI, HE)*

CPHL 1168. Death, Dying, and Other Opportunities What happens after we die? Is death an end, an interruption, or a beginning? How should the living relate to the dead? This course explores several Asian religions’ answers to these questions. By surveying a variety of beliefs, rituals, and cultural practices about death and the afterlife, this course demonstrates how views about death intimately shape our understanding of life. *Credit hours: 4. Alternate years. (CI, HE)*

CPHL 1175. Practical Reasoning An introduction to the practice of reasoning with special attention to inductive logic and argument diagramming. Emphasis on the analysis of arguments and fallacies of the sort encountered in everyday discourse. Special attention will be paid to cultivating intellectual humility and the ethics of critical thinking. Identical with MAC 1175. *Credit hours: 4. (HE)*

CPHL 1186: One-Time Only

Spring 2023, Session 4: Contemplative Studies

This course engages in the theoretical, experiential, and skill-based study of contemplative practices. Combining academic study of contemplative traditions with critical first-person practice of contemplative techniques, every meeting will involve guided meditation and discussion of readings from various cultural traditions (such as Buddhism, Daoism, ancient Greek traditions, etc) and disciplinary perspectives (psychology, philosophy, art, religion, etc.). *Credits hours: 4.*

CPHL 1199 Monsters Monsters from a fringe beyond ordinary experience share our cultural landscapes, unsettling our present, our normal, and our futures with their/our unfinished business. Monsters views the strange power and persistence of ghosts, the occult, and ‘the night side of nature’ as opportunity for the study of how we construct knowledge, experience, and authority at the complex intersections of race, gender, and class. Topics include apparitions, vampires, zombies, and more across a wide range of literature and media. *Credit hours: 4. Alternate years. (CI, HE)*

CPHL 2214. Bioethics A careful analysis of issues arising in medical practice and scientific research. Topics include abortion, euthanasia, surrogate parenting, allocation of scarce resources, experimentation on living subjects (human and nonhuman), the doctor/patient relationship. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. (HE)*

CPHL 2217. Philosophy and Animals Animals play an essential role in humanity’s self-understanding. In what ways are humans similar to animals and in what ways are we different? Are these differences a matter of degree, or do they constitute a metaphysical difference in kind? Is our treatment of animals an indicator of our moral selves? How have animals figured into

the work of philosophers, artists, and others who have sought to understand the human condition? This course will explore these questions by engaging with a variety of philosophical writings and artistic depictions from antiquity to the present day. *Credit hours: 4. Alternate years. (HE)*

CPHL 2221. Crime and Punishment From spectacles of pain to supermax security prisons, why do we punish, how, and with what effect? This course examines the politics and poetics of crime and the social fallout of crime control policies and practices, with particular attention to the punitive turn in American life since 1945 and to the roles played by race, class, gender, age, and their intersections in the production of crime and punishment. *Credit hours: 4. Alternate years. (HE)*

CPHL 2224. Epistemic Injustice. How do we recognize the legitimacy of one another's knowledge claims? What role does power play in determining who counts as a knower in any given context? In this course, students will develop a sensitivity to epistemic justice and will create environments where knowledge claims can be exchanged without inappropriate dismissal. Special attention will be given to cases of racial and gender discrimination. *Credit hours: 4. Alternate years. (HE, CI, WI).*

CPHL 2226. Thought Experiments Thought experiments are used in philosophy, science, and artistic works to examine concepts, consequences, and counterfactuals that cannot be empirically tested. Such thinking tools are intended to extend our imagination and hold our focus. Students in this course will carefully analyze the role such experiments play in philosophical methodology in comparison to their use in science and art. *Credit hours: 4. Alternate years. (HE)*

CPHL 2230. Logic An introduction to formal logic covering propositional logic and predicate logic. Attention is given to the nature of proof in formal theories and to the evaluation of arguments in natural language. *Credit hours: 4. Prerequisite: sophomore standing or CPHL 1175.*

CPHL 2233. Continental Philosophy Continental philosophy (including existentialism) names a family of challenges to Enlightenment ways of thinking about self, society, reality, and value. Continentals radically rethink 'enlightenment' in order to avoid new forms of barbarism, inequity, and social control. Is reality built atop a series of exclusions? What is the relation between knowledge and power? Between truth and imagination? Continentals open the door to new modes of critique by loosening the grip of traditional accounts of being, doing, and knowing. *Credit Hours: 4. Prerequisite: CPHL 1133 or CPHL 1183 or permission of instructor. Alternate years. (HE)*

CPHL 2234. Existentialism This course introduces students to the philosophical movement of Existentialism. Students will learn the historical roots of the movement and study a variety of existentialist thinkers from the 19th and 20th centuries, including Nietzsche, Kierkegaard, Heidegger, Camus, and Sartre. Themes of the course include the nature of moral values, human freedom, the subjectivity of experience, and the anxiety of existence. *Credit hours: 4. Prerequisite: CPHL 1133 or CPHL 1183 or permission of instructor. Alternate years. (HE)*

CPHL 2237. Philosophy of Mind An advanced study of the views of contemporary philosophers on the mind and its place in nature. Topics include the mind-body problem, consciousness, and the problem of other minds. Students will also reflect on the relationship between scientific and philosophical investigation of the mind. The nature of representation, free will, concepts, emotions, perception, and the self may also be discussed. *Credit hours: 4. Prerequisite: six hours of philosophy and/or psychology (excluding PSYC 2127). (HE, WI)*

CPHL 2239. The Art of Living Once upon a time philosophy was a *way of life*, not a mere toolkit for thought. New stirrings of Stoicism, Cynicism, and other philosophical arts of living challenge our therapeutic culture of narcissistic self-help and shallow consumerism. Can philosophy deliver on promises of healing and happiness where that culture fails? We will experiment with philosophical pairings of intellectual and physical practices designed to improve the way we dwell in and move through our chaotic world. *Credit Hours: 4. Alternate years. (HE, WI)*

CPHL 2241. Islamic Thought An Islamic civilization stretching from central Asia to Iberia produced radiant contributions to philosophy and science and rekindled the fires of learning in the West. This course surveys the emergence and evolution of Islamic *falsafa* from translation movements of the Abbasid caliphate, through the heart of the 'golden age' under the Mamluk sultanate and Mongol conquest, to the modern 'awakening' under Ottoman rule and beyond. *Credit hours: 4. Alternate years. Prerequisite: sophomore standing or permission of instructor. (CI, HE)*

CPHL 2251. Chinese Philosophy This course explores the main topics and thinkers of Chinese philosophy. Focusing primarily on the schools that arose during the "classical period" of Chinese philosophy in the Warring States period, including Confucianism, Daoism, and Mohism, this class will also explore these schools' later effects on the unique development of Mahayana Buddhism in China. *Alternate years. (CI, HE)*

CPHL 2257. Hindu Philosophy This course surveys the orthodox and heterodox traditions of classical Indian philosophical thought, focusing on the nexus of traditions labeled “Hinduism”. Surveying the six schools of Hindu philosophy and their articulations of logic and valid ways of knowing, this course also explores Hindu ideals of *dharma* or duty, *karma* or action, and *bhakti* or love for the lord. *Credit hours: 4. Alternate years. (CI, HE)*

CPHL 2262. Buddhist Philosophy Buddhists assert that existence is suffering; this suffering results from a basic ignorance about who we are and what reality is. Buddhist philosophy and contemplative practices aim to eradicate this core misconception of how things are. This course explores Buddhist ways of analyzing the self, the world, and our place in it, focusing on Buddhist epistemology, metaphysics, and ethics. *Credit hours: 4. Alternate years. (CI, HE)*

CPHL 2265. Buddhism, Mindfulness, and Cognitive Science Religion and Science are often portrayed as occupying separate, even antithetical, domains. While religions have, on the whole, ceded ground in the religion/science debate, modern Buddhists make the startling claim that the discoveries of Science have been known by their tradition for millennia. This course examines the truth claims, processes, and values that produce both Buddhism and Science, with strong emphasis on the growing popularity of the Buddhist meditative practices as therapeutic techniques. *Credit hours: 4. Alternate years. (CI, HE)*

CPHL 2268 Gender & Buddhism What is gender? How do ideas about gender differ in different philosophical traditions? This course uses scholarship from philosophy, religious studies, anthropology, and gender studies to examine the “great divide” between essentialist and post-modern conceptions of gender in western feminist thought, the various and sometimes competing Buddhist philosophical ideas about the nature of gender, the impact of Buddhist ideas about gender on Buddhists' lived experience throughout time and space, and how western and Buddhist philosophical ideas about the nature of gender and reality can mutually inform, and possibly transform, each other. *Credit hours: 4. Alternate years. (CI, HE)*

CPHL 2280. Philosophy of Art A survey of philosophical thinking about the nature of art. Students explore the most influential theories of art offered by philosophers from Plato to the present. Additional topics include the nature of artistic inspiration; the social function of art; art versus craft; art versus entertainment, aesthetic judgment, and the evolutionary origins of art and beauty. Identical with ARTH 2280. *Credit hours: 4. (HE, WI)*

CPHL 2286 and 2286S: One-Time Only (International Travel Course)

Spring 2023, Session 4 and Summer 2023: Conflict and Confluence: Christianity, Islam, and Judaism in the Art and Literature of Early Spain

This international travel course begins on campus in the fourth session and travels to Spain in late May. With an interdisciplinary approach, the class will explore intercultural exchanges between Christians, Muslims, and Jews in premodern Spain. Through the study of art, architecture, spirituality and philosophy that incorporates contributions from all three cultures, students will learn about key moments in Spain's development from the fifth to the seventeenth centuries, including the Visigothic period, the Muslim conquest of the Iberian peninsula, the Christian “reconquest” against Islam, and the expulsion of the Jews. Particular focus will be given to the cultural exchanges between these cultures formed on differing religious traditions, which while at times were in conflict, also shared certain aspects of their faiths and impacted each other's forms of artistic expression. No prior knowledge of Spanish is required. *Credit hours: 1 (2286); and 3 (2286S). ARTH 2286 and 2286S with the same title. (AE, HE)*

CPHL 3361. Environmental Philosophy An advanced study of ethical and aesthetic issues concerning the environment. Topics include the definition of nature; whether humans are inside or outside of nature; the moral standing of animals, plants, species, and ecosystems; the tension between environmental preservation and economic development; and, the value of wilderness. *Credit hours: 4. Prerequisite: CPHL 1133 or 2214 or EVST 2250, or permission of instructor. Alternate years.*

CPHL 3391. On the Shoulders of Giants Detailed study and discussion of the work of a major philosopher or philosophical movement. Topics vary from year to year. May be repeated for credit when topic differs. *Credit hours: 4. Prerequisite: junior standing or permission of instructor.*

CPHL 4494. Senior Seminar Detailed study and discussion of a problem or topic in contemporary philosophy, selected according to the interests and needs of the students enrolled. Examining Cultures, Engaging Thought, and Logic requirements must be fulfilled before enrolling in Senior Seminar. *Credit hours: 4. Prerequisite: senior standing or permission of instructor.*



DANCE: SEE *PERFORMING ARTS*



DATA SCIENCE

Interdisciplinary Minor Coordinator: A. Katrin Schenk

Data Science Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|--|---------------------|
| <i>Required:</i> | | |
| DSCI / MATH 2232 | Introduction to Data Science | 4 |
| DSCI 2233 | Machine Learning | 4 |
| DSCI 4495 | Data Science Seminar | 1 |
| <i>One of the following:</i> | | 4 |
| ECON 2227 | Elementary Applied Stats for Econ and Business | |
| MATH 2227 | Elementary and Applied Statistics | |
| MATH 3343 | Mathematical Statistics | |
| PSYC 2227 | Applied Statistical Analysis | |
| SOC 3395 | Social Research and Quantitative Analysis | |
| <i>Three of the following:</i> | | 12 |
| CHEM 3378 | Classical and Statistical Thermodynamics | |
| CSCI 2225 | MATLAB and LabVIEW | |
| CSCI 2251 | Algorithms and Data Structures | |
| ECON 3303 | Econometrics | |
| EVST 2205 | Research Design and Geographic Information Systems | |
| EVST 3325/3325L | Climate Dynamics and Global Change | |
| MATH 3353 | Math Modeling | |
| PHYS 3332 | Advanced Lab | |
| POL 2231 | Research Methods in Political Science | |
| PSYC 3316 | Testing and Measurements | |
| Total for Minor in Data Science | | 25 |

Data Science Courses

DSCI 2232. Introduction to Data Science Data science is an interdisciplinary field incorporating statistical techniques with algorithms to collect and to process large data sets, in order to extract meaning and make decisions. Students will explore the collection and filtering of data, machine learning algorithms, and methods for drawing conclusions. *Credit hours: 4.*

Prerequisite: ECON 2227 or EVST 2205 or MATH 2227 or MATH 3343 or POL 2231 or PSYC 2227 or SOC 3395. Identical with MATH 2232. Alternate years; offered Spring.

DSCI 2233: Machine Learning A broad introduction to machine learning and statistical pattern recognition. Unsupervised and supervised learning algorithms including dimensionality reduction (PCA and variants), clustering (simple clustering, agglomerative and non-agglomerative), probabilistic models, neural networks, and support vector machines. *Credit hours: 4.*
Prerequisite: ECON 2227 or EVST 2205 or MATH 2227 or MATH 3343 or POL 2231 or PSYC 2227 or SOC 3395.

DSCI 4495: Data Science Seminar The seminar requires students to explore the areas of their personal interest in data science in order to inform their choice of research topics, graduate school, and employment. Students will review the major ideas in data science and will prepare for the rigorous data science-related job interview. *Credit hours: 1.*



EARTH SCIENCE EDUCATION

Interdisciplinary Minor Coordinator: Margaret A. Schimmoeller

This minor is open to undergraduate students accepted into the Educator Preparation Program who seek to add the earth science endorsement to their base license. Students with this minor must also complete the Professional Studies course work excluding student teaching (completion of student teaching is required to qualify for the license).

Earth Science Education Minor for Licensure

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|---|---------------------|
| <i>Required:</i> | | |
| EVST 1101 | Environmental Science: Systems and Solutions | 4 |
| EVST 1117-1117L | Physical Geology and Lab | 4 |
| EVST 2201 | Quantitative Aspects of Global Environmental Problems | 4 |
| EVST 2205 | Research Design and Geographic Information Systems | 4 |
| EVST 3325-3325L | Climate Dynamics, Global Change and Lab | 4 |
| <i>One of the following:</i> | | 4 |
| ASTR 1101-1101L | Astronomy: The Solar System and Lab | |
| ASTR 1103-1103L | Astronomy: Cosmology and Lab | |
| Total for Minor in Earth Science Education | | 24 |

A student electing a major or minor in environmental studies may count no more than two courses used for the environmental studies program for any other major or minor, with the exception of the earth science education minor for licensure.



ECONOMICS AND BUSINESS

Faculty: John D. Abell, Jeffery M. Heinfeldt, A.T.M. Sayfuddin, Elizabeth A. Perry-Sizemore

The Department of Economics and Business provides a liberal arts education in the fields of economics and business. The Department offers the BA in Economics and the BA in Business, as well as minors in both disciplines. Courses of study emphasize critical thinking, quantitative skills, and the ability to write and speak with clarity.

The economics curriculum treats economics as a social science; it develops analytic thinking. The economics program prepares students for professional careers in for-profit, government, and nonprofit organizations. At the same time, it prepares students for graduate studies in economics, business, law, and other fields. Coursework is offered in the core areas of macroeconomics, microeconomics, and international economics. Coursework is also offered in several topics of immediate social relevance (e.g., environmental economics and public sector economics). Several courses involve service learning and community based research. All economics majors complete a two-session senior program culminating in the writing and presentation of an independently authored research paper.

The business curriculum treats business and management as applied disciplines; it develops skills in solving practical problems. The business program prepares students for professional careers in for-profit, government, and nonprofit organizations. At the same time, it provides a solid background for advanced training in business or management. Coursework is offered in the core areas of accounting, finance, management, and marketing. Coursework is also offered in business analytics and other advanced topics. All business majors complete a one-session senior capstone project.

Economics Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---------------------|------------------------------|---------------------|
| <i>Core Program</i> | | |
| ECON 1101 | Principles of Macroeconomics | 4 |
| ECON 1102 | Principles of Microeconomics | 4 |
| ECON 2206 | Microeconomic Theory | 4 |

| | | |
|---|-------------------------------|-----------|
| ECON 2207 | Macroeconomic Theory | 4 |
| ECON 2219 | International Economics | 4 |
| ECON 2227* | Elementary Applied Statistics | 4 |
| MATH 1149 | Calculus I | 4 |
| <i>Electives</i> | | 12 |
| Three additional Economics courses at the 2200 and 3300 level or BUS 3334 or BUS 3368 or BUS 3369 (or Business Topics courses when applicable). | | |
| <i>Senior Program</i> | | |
| ECON 4495, 4496 | Senior Seminar, Senior Paper | 8 |
| Total for BA Degree in Economics | | 48 |

* MATH 2227, POL 2231, PSYC 2227 or SOC 3395 may be substituted for ECON 2227.

- The core program must be completed prior to the senior year.
- ECON 2227 may NOT be used as a 2200-level elective in the major.
- Twenty hours of the major, including ECON 4495 and 4496, must be completed in residence at Randolph College.
- Students may major in both Business and Economics or major in one field and minor in the other field; for double majors the only courses that can overlap are ECON 1101, 1102, 2227 and MATH 1149, and for a major and a minor ECON 1101 and 1102.
- Students reading for honors in economics must, prior to the senior year, complete ECON 3303 for a letter grade and at least one other elective.

Business Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|-------------------------------|---------------------|
| <i>Core Program</i> | | |
| BUS 1151 | Introduction to Business | 4 |
| BUS 2255 | Financial Accounting | 4 |
| BUS 2261 | Management | 4 |
| BUS 2264 | Marketing | 4 |
| BUS 3334 | Corporate Finance | 4 |
| ECON 1101 | Principles of Macroeconomics | 4 |
| ECON 1102 | Principles of Microeconomics | 4 |
| ECON 2227* | Elementary Applied Statistics | 4 |
| MATH 1149 | Calculus I | 4 |
| <i>Electives:</i> | | |
| One Business course at the 2200 level or above | | 4 |
| One Business course at the 3300 level or above | | 4 |
| One Economics course at the 2200 level or above | | 4 |
| <i>Senior Program</i> | | |
| BUS 4495 | Senior Capstone | 4 |
| Total for BA Degree in Business | | 52 |

* MATH 2227, POL 2231, PSYC 2227 or SOC 3395 may be substituted for ECON 2227.

- The core program must be completed prior to taking BUS 4495.
- ECON 2227 may NOT be used as a 2200-level elective in the major.
- Students who transfer into Randolph College with credit for a 2200-level, or higher, course in business or management, but not BUS 1151 (Introduction to Business), will substitute a BUS 2200-level or 3300-level elective for BUS 1151.
- Sixteen hours of the BUS courses, including BUS 4495, and twenty hours of the major must be completed in residence at Randolph College.
- Student may major in both Business and Economics or major in one field and minor in the other field; for double majors the only courses that can overlap are ECON 1101, 1102, 2227, and MATH 1149, and for a major and a minor ECON 1101 and 1102.
- Students reading for honors in business must declare their intention to the department (Chair and instructor of BUS 4495) on or before the last day of regular classes (prior to final exam week) of Session 4 the Spring before taking BUS 4495. In addition, both of the business electives must be passed with a letter grade before reading for honors.

Economics Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|------------------------------|---------------------|
| <i>Required:</i> | | |
| ECON 1101 | Principles of Macroeconomics | 4 |
| ECON 1102 | Principles of Microeconomics | 4 |
| <i>Electives:</i> | | 12 |
| Three additional Economics courses at the 2200 and 3300 level or BUS 3334 or BUS 3368 or BUS 3369 (or Business Topics courses when applicable) | | |
| Total for Minor in Economics | | 20 |

- *Not more than two economics or business courses that are used in the completion of another major or minor may be used to fulfill the requirements for an economics minor.*
- *MATH 2227, POL 2231, PSYC 2227 or SOC 3395 may be substituted for ECON 2227.*

Business Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|------------------------------------|------------------------------|---------------------|
| <i>Required:</i> | | |
| BUS 1151 | Introduction to Business | 4 |
| BUS 2255 | Financial Accounting | 4 |
| BUS 2261 | Management | 4 |
| BUS 2264 | Marketing | 4 |
| BUS 3334 | Corporate Finance | 4 |
| <i>One of the following:</i> | | 4 |
| ECON 1101 | Principles of Macroeconomics | |
| ECON 1102 | Principles of Microeconomics | |
| Total for Minor in Business | | 24 |

- *Students who transfer into Randolph College with credit for a 2200-level, or higher, course in business or management, but not BUS 1151 (Introduction to Business), will substitute a BUS 2200-level or 3300-level elective for BUS 1151.*
- *Not more than two economics or business courses that are used in the completion of another major or minor may be used to fulfill the requirements for a business minor.*

Recommended Courses

Economics majors are encouraged to take ECON 3303. Students planning graduate study in economics should consider completing the mathematics minor with MATH 1149, MATH 1150, MATH 2241, MATH 2250, and either MATH 3343 or MATH 3331. Business majors and minors planning to pursue an MBA should consider taking BUS 2256 and BUS 3368.

Business Courses

BUS 1151. Introduction to Business An introductory course covering current events in American business. Topics include basic theories and practice in the functional areas of accounting, finance, marketing, and management. Additional subject areas include ethics, social responsibility, economic systems, and organizational structure. *Credit hours: 4. Not open to students who have completed a 2200-level, or higher, business or management course. Offered Fall, Session 1 and Spring, Session 3.*

BUS 2255. Financial Accounting This course is directed toward an understanding of the utilization of accounting methods in the recording, classifying, and reporting of basic economic transactions. Special emphasis is placed on accounting as the language of business and its use in communication. *Credit hours: 4. Prerequisite: BUS 1151. Offered Fall, Session 1.*

BUS 2256. Managerial Accounting This course deals with the uses of financial information for internal management purposes. Stress is placed on accounting as an aid to management in the planning, direction, and control of business activities and in the evaluation of results. *Credit hours: 4. Prerequisite: BUS 2255. Offered Spring, Session 3.*

BUS 2261. Management A survey of the practice of management. Topics include the roles of the manager; planning, organizing, leading, and controlling the organization (both for-profit and nonprofit organizations); organizational behavior, motivation, and leadership. Emphasis is on ethical decision making. Case studies are used. Students apply theory to realistic managerial situations, analyze courses of action, and make recommendations. *Credit hours: 4. Prerequisite or corequisite: BUS 1151 or permission of the department. Offered Spring, Session 3.*

BUS 2264. Marketing A study of the marketing function of a business. Topics include brand management, consumer behavior, market analysis, and the “four Ps” of the marketing mix. Case studies are used. Students apply theory to realistic marketing situations, analyze courses of action, and make recommendations. Students also research a marketing venture, analyze the market, and create a marketing plan. *Credit hours: 4. Prerequisite or corequisite: BUS 1151 or permission of the department. Offered Fall, Session 2.*

BUS 2270. Topics in Management In-depth exploration of a selected topic in management. Topics may include leadership, negotiation, organizational behavior, or other topics of interest. Case studies are used. Students apply theory to realistic managerial situations, analyze courses of action, and make recommendations. Students research a managerial problem in the area, perform a situation analysis, and recommend a course of action. *Credit hours: 4. Prerequisite: Unless otherwise specified, BUS 2261 or permission of the department. May be repeated for credit when topic differs.*

BUS 3334. Corporate Finance The financial organization and management of a business corporation. Time value of money and risk/return concepts serve as the foundation for valuing (analyzing) the firm’s sources of capital (debt and equity) and effectively allocating these funds through the capital budgeting process. *Credit hours: 4. Prerequisite: BUS 2255; ECON 1101 or 1102. Offered Spring, Session 3. (QR)*

BUS 3368. Business Analytics The course introduces business analytics to students from diverse academic backgrounds. Students are introduced to R programming for statistical analysis. Topics include regression analysis, hypothesis testing, market segmentation analysis, perceptual mapping, consumer choice models, conjoint analysis, and sales and promotion analytics. Emphasis is given on the applications of relevant concepts and interpretation of results rather than theoretical aspects. *Credit hours: 4. Prerequisites: ECON 2227 or MATH 2227 (or an equivalent statistics course); or permission of instructor. Offered Spring, Session 3.*

BUS 3369. Financial Markets and Institutions An examination of financial markets (stock, bond, money, etc.) and the operations of various financial institutions (banks, thrifts, mutual funds, insurance companies, etc.) within the legal and competitive environment. *Credit hours: 4. Prerequisite: BUS 3334 or permission of the department. Offered Fall, Session 1.*

BUS 3370. Advanced Topics in Finance In-depth exploration of a selected topic in finance. Topics may include investments, financial theory, or other topics of interest. *Credit hours: 4. Prerequisite: BUS 3334 or permission of the department. May be repeated for credit when topic differs.*

BUS 3371. Advanced Topics in Business In-depth exploration of a selected topic in business. Topics may include sustainable business, entrepreneurship, or other topics of interest. Case studies are used. Students will apply theory to realistic business situations, analyze courses of action, and make recommendations. Students research a business problem in the area, perform a situation analysis, and recommend a course of action. *Credit hours: 4. Prerequisite: Unless otherwise specified BUS 2261, 2264, and 3334, or permission of the department. May be repeated for credit when topic differs.*

BUS 4495. Senior Capstone in Business Students integrate concepts from accounting, finance, marketing, and management and use them in concert to manage the business as a whole. Strategic theories such as Porter’s “Five Forces” model of industry analysis and the resource-based view of the firm are applied to realistic situations. Students analyze situations at the level of the firm, evaluate courses of action, and make recommendations. Students complete a term project. *Credit hours: 4. Prerequisite: major core or permission of the department. Offered Spring, Session 4.*

Economics Courses

ECON 1101. Principles of Macroeconomics An introduction to the concepts and analytical tools of the economist. The frame of reference is the macroeconomy. Working with a variety of economic models, attention is focused on issues like the business cycle, interest rates, inflation, deflation, the stock market, Federal Reserve policy-making, government policy, and international trade. Hands-on research projects help students to make connections between economic theory and the real world. *Credit hours: 4. Offered Fall, Session 2 and Spring, Session 4. (SS)*

ECON 1102. Principles of Microeconomics An introduction to the concepts and analytical tools of the economist as related to the microeconomy, which focuses on decision-making at the individual level. This course examines the behavior of consumers, firms, and industries, and their effects on resource allocation. Students study various market structures and gain an understanding of market failure and issues pertaining to the role of government at the microeconomic level. *Credit hours: 4. Offered Fall Session 1 and Spring, Session 3. (SS)*

All students wishing to enroll in any economics course at the 2200 level or above will normally have completed MATH 1109 or 1113, or will have placed into a higher-level mathematics course.

ECON 2206. Microeconomic Theory and Its Application This course examines in detail, producer and consumer theory, market structure, game theory, market failures, and the role of government in the marketplace. Special attention is given to using microeconomic theory to analyze modern social and political problems. *Credit hours: 4. Prerequisite: ECON 1101 and 1102. Offered Fall, Session 1.*

ECON 2207. Macroeconomic Theory An analysis of the aggregate U.S. economy. There is an emphasis on the construction of macroeconomic models to describe and analyze the economy. Such models help to establish the linkages between financial markets, labor markets, markets for goods and services, and markets in the rest of the world. Students gain an understanding of economic policy making through study of theories, institutions and economic data. Hands-on statistical research will help analyze the relationship between economic theory and the real world. *Credit hours: 4. Prerequisite: ECON 1101 and 1102. Offered Spring, Session 4.*

ECON 2217. Economics of the Public Sector This course studies the nature and consequences of the spending and taxing behavior of governments. Microeconomics tools will be applied to the study of such issues as public goods and externalities, income redistribution, poverty, social security, health care, education, transportation, housing, and government revenue generation. Throughout the session, students will participate in a class-wide Lynchburg community service project related to one of the above issues, thereby providing hands-on exposure to some of the objectives and constraints faced by economists, government officials, and urban planners. *Credit hours: 4. Prerequisite: ECON 1101 and 1102. Offered Fall, Session 2.*

ECON 2219. International Economics On the microeconomic level, this course examines international trade theories and policies. International finance issues comprise the macroeconomic portion of the course. Special attention is given to using the tools of the economist to analyze contemporary problems in both international trade and finance. *Credit hours: 4. Prerequisite: ECON 1101 and 1102. Offered Fall, Session 2.*

ECON 2220. Environmental Economics and Sustainability The application of economic principles in the analysis of contemporary environmental issues. Neoclassical as well as ecological perspectives will be considered. Of particular concern is whether the current management of the economy—with its emphasis on growth and extraction of natural resources—is ecologically sustainable. *Credit hours: 4. Prerequisite: ECON 1101 and 1102. Offered Fall, Session 1.*

ECON 2227. Elementary Applied Statistics for Economics and Business An introduction to descriptive and inferential statistics with applications for economics and business. Content includes probability theory, random variables, sampling distributions, hypothesis testing and the basics of linear regression and forecasting. *Credit hours: 4. Prerequisite: BUS 1151 or ECON 1101 or 1102. A student may receive credit for two of these courses: ECON 2227, MATH 2227, POL 2231, PSYC 2227, or SOC 3395. (QR)*

ECON 2250. Topics in Economics In-depth exploration of a topic in economics. Topic will be determined by the instructor, and topics will vary. *Credit hours: 4. Prerequisite: ECON 1101 and 1102. May be repeated for credit when topic differs.*

ECON 3303. Econometrics A formal introduction to the use of economic theory and statistical inference as guides in the study of economic phenomena using observed data. This course focuses on the research process and the role of empirical modeling and regression analysis in economics. *Credit hours: 4. Prerequisite: ECON 1101, 1102, 2227, and MATH 1149, or permission of the department. Offered Spring, Session 4.*

ECON 4495, 4496. Senior Seminar, Senior Paper In ECON 4495, students make connections across their previous economics courses through readings and discussions of topical issues in economics, (e.g., poverty, inequality, globalization, the environment) as well as history of economic thought. Students gain a better understanding of how economic theories and policies shape the world in which we all live and which future generations will inhabit. A principal course objective is to prepare each student for the preparation and presentation of the senior thesis. To this end, students read and evaluate professional journal articles, review and enhance their understanding of the research methods used by economists, and identify

ways to use these methods in their own research. The final assignment for the class is a senior thesis proposal. In ECON 4496, there is preparation and presentation of a senior thesis. *Credit hours: 4. Prerequisite: major core courses. 4495 offered Fall, Session 1; 4496 offered Spring, Session 3.*



EDUCATION

Program Director and Chair: Margaret A. Schimmoeller; Faculty: Beth Gafford, Crystal D. Howell

Educator Preparation Program

The Randolph College Educator Preparation Program (EPP) is accredited by the Council for the Accreditation of Educator Preparation (CAEP). All licensure programs are approved by the Virginia Department of Education. Any student may declare and complete an undergraduate major in elementary education; however, students who wish to qualify for a Virginia professional teaching license must apply separately and be accepted to the teacher licensure program. Students seeking a secondary teaching license must major in the content area they will teach.

EDUCATION UNDERGRADUATE PROGRAM

The EPP provides an educational environment that supports teachers in becoming leaders and agents of equity and change with licensure at the elementary or secondary level. The requirements of initial licensure at the secondary level in Virginia include fulfillment of the College's requirements for a Bachelor of Arts or a Bachelor of Science degree in a chosen field of study and successful completion of the professional studies courses in Education. The undergraduate major in Elementary Education is recommended for PreK-6 Elementary licensure. Professional competence is developed through (1) comprehensive study of content knowledge appropriate to the chosen licensure area, (2) thorough study of the professional foundations common to all teaching, (3) specialized study of teaching principles, and (4) appropriate field-based experiences.

Responsibility for meeting College and EPP requirements rests with the student. It is important to study the course requirements and to keep accurate count of credit hours applicable to graduation.

Notes: Program requirements are subject to change to reflect current Virginia Department of Education requirements and regulations as well as accreditation standards of the Council for the Accreditation of Educator Preparation (CAEP). All students interested in the EPP are encouraged to schedule an advising appointment with a faculty member in the Education Department in their first semester. Students are responsible for transportation to local schools for all field experiences (practica and student teaching).

Entrance Criteria for the Education Preparation Program Leading to Licensure

Students may apply to the EPP by submitting application materials to the Registrar's Office by the third Monday in October or the third Monday in February. Students are required to consult with EPP faculty prior to submission of their materials.

Undergraduate Student Teaching

Application for student teaching placement is due the Monday following Spring Break in the year prior to the student teaching experience. All candidates for teacher licensure are required to student teach in their endorsement area. Student teaching, which consists of supervised classroom teaching in a school setting, involves five full-days each week for two sessions (session 2 and session 3) plus weekly seminars on campus. During student teaching, the candidate is not ordinarily permitted to carry more than four credit hours of approved additional course work. These additional credit hours must be scheduled outside the normal school day in order to keep the student teaching experience intact. All student teaching assignments are supervised by Randolph College faculty and college supervisors.

Prerequisites for student teaching include (1) official acceptance into the EPP leading to licensure, (2) a grade point average of 3.0 in major and professional education courses combined, (3) PRAXIS II, VCLA, and RVE (elementary only) assessment scores, (4) formal application to student teaching, (5) fingerprinting and background check including child protective services clearance (scheduled by the Education Department upon acceptance), and (6) TB test verification.

Once placed in a local classroom for student teaching, candidates may not withdraw from student teaching except with the approval of the Director of the EPP. A student who withdraws without this approval forfeits future placement in student teaching. Violation of any pre-K-12 school policy related to child safety will result in removal from the school and student teaching.

Licensure Requirements

1. Requirements for the bachelor's degree in licensure area.
2. Student teaching program.
3. Passing scores on professional assessments (PRAXIS II) as prescribed by the Virginia Department of Education (additional cost).
4. Passing scores on the Reading for Virginia Educators Assessment (elementary and special education) (additional cost).
5. Passing scores on Virginia Communication and Literacy Assessment (additional cost).
6. Application for licensure to Virginia Department of Education (additional cost).
7. CPR/AED/First aid (additional cost).
8. Child Abuse and Neglect Prevention Certificate.
9. Dyslexia training module.
10. Background check clearance.

Elementary Education Major (BS)

Professional Studies Courses

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|-----------------------------------|--|---------------------|
| <i>Required:</i> | | |
| EDUC 1101 | Cultural Diversity, Schooling and the Teacher* | 4 |
| EDUC 1108 | Educational Psyc & Human Development* | 4 |
| EDUC 2207 | Language and Reading Development | 4 |
| EDUC 2210 | Multicultural Children's Literature | 4 |
| EDUC 2213 | Dimensions of a Global Society & Multicultural Ed* | 4 |
| EDUC 2216 | Classroom Assessment | 4 |
| EDUC 3306 | Reading & Writing Instruction & Diagnosis | 4 |
| EDUC 3312 | Teaching Mathematics and Science | 4 |
| EDUC 3315 | Curriculum and Instructions Pre-K 12 | 4 |
| EDUC 4494 | Senior Seminar | 4 |
| SPED 3361 | Survey of Special Ed and Special Ed Law | 4 |
| Total Professional Courses | | 44 |

Required Content Courses:

*Required:***

| | | |
|---------------|---|---|
| GEO 2203 | Survey of World Geography | 4 |
| I ST 3309 | Interdisciplinary Science | 4 |
| I ST/POL 3310 | Civics and Economics | 4 |
| MATH 2208 | Concepts of Elementary & Middle School Mathematics* | 4 |

****One-Time Only or Topics courses may be substituted with prior approval**

| | | |
|---|--|---|
| <i>Choose one science with lab</i> | | 4 |
| ASTR 1101, 1101L | Introductory Astronomy: Solar System and lab | |
| ASTR 1103, 1103L | Introductory Astronomy: Cosmology and lab | |
| BIOL 1103, 1100L | Introductory Biology; Biol Principles lab | |
| CHEM 1105, 1105L | General Chemistry and lab | |
| EVST 1117, 1117L | Physical Geology and lab | |
| PHYS 1105, 1105L | Introductory Physics I and lab | |
| PHYS 1115, 1115L | General Physics I and lab | |
| <i>One course in English Literature</i> | | 4 |
| <i>One course in Ancient History</i> | | 4 |
| ARTH 1101 | Art, Culture and Society Before 1400 | |
| CLAS 1132 | Classical Mythology | |

| | | |
|--|---|--------------|
| CLAS 1180 | Mediterranean Empires | |
| Total Content Courses | | 28 |
| <i>Clinical Experience</i> | | |
| EDUC 4493 | Student Teaching in Elementary Schools I | 8 |
| EDUC 4496 | Student Teaching in Elementary Schools II | 8 |
| <i>(for students NOT entering the MAT program in Elementary Education)</i> | | |
| OR | | |
| EDUC 4472P | Action Research Field Placement | 2 |
| <i>(for students entering the MAT program in Elementary Education)</i> | | |
| Total for BS Degree in Elementary Education | | 82-96 |

**With careful advising many content courses will meet general education requirements.*

- *Students complete EDUC 4493 and EDUC 4496 if they are not going into the MAT or they are going into the MAT in an area other than Elementary Education.*
- *Non-Elementary Education majors interested in Elementary Licensure and entering Randolph's MAT program, must complete listed content courses to qualify for Virginia Elementary PreK-6 teaching license.*

Race, Culture, and Equity in Education Minor

Through the Randolph College Department of Education's Race, Culture and Equity in Education minor, students will gain an understanding of the intersection of race, culture, and equity in the educational lives of youth, their families, and their communities.

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|--|---------------------|
| <i>Required:</i> | | 16 |
| EDUC 1101 | Cultural Diversity, Schooling and the Teacher* | |
| EDUC 2210 | Multicultural Children's Literature | |
| EDUC 2213 | Dimensions of a Global Society & Multicultural Ed* | |
| SPED 3361 | Survey of Special Ed and Special Ed Law | |
| EX L | Experiential Learning | 2-4 |
| <i>One of the following:</i> | | 4 |
| G ST 2202 | Introduction to Gender Studies | |
| HIST 1111 | Introduction to Public History | |
| MAC 1101 | Media, Culture, and Power | |
| SES 2262S | LGBTQ+ Experiences in Sport | |
| SOC 2216 | Contemporary Social Problems | |
| SOC 2218 | Family and Kinship | |
| SOC 2231 | America at the Margins | |
| Total for minor in Race, Culture, and Equity in Education | | 21-23 |

Secondary Education Licensure

Professional Courses for Secondary Education

Students majoring in another area of study, may take the following courses to pursue endorsements for Secondary Licensure (grades 6–12) in: biology, chemistry, dance (PreK–12), earth science, English, health and physical education, history and social science, Latin (PreK–12), mathematics, music instrumental and vocal/choral (PreK–12), physics, Spanish (PreK–12), theatre arts (PreK–12), and visual arts (PreK–12). Additional endorsement may be added in the area of mathematics - algebra I.

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|------------------|---|---------------------|
| <i>Required:</i> | | |
| EDUC 1101 | Cultural Diversity, Schooling and the Teacher | 4 |
| EDUC 1108 | Educational Psyc & Human Development | 4 |
| EDUC 2213 | Dimensions of a Global Society and Multicultural Ed | 4 |
| EDUC 2216 | Classroom Assessment | 4 |
| EDUC 2230 | Reading and Writing in the Content Area | 4 |

| | | |
|-----------|---|---|
| EDUC 3315 | Curriculum & Instruction Pre-K 12 | 4 |
| EDUC 3318 | Secondary Teaching Subject Area & Practicum | 4 |
| EDUC 4495 | Student Teaching in Secondary Schools I | 8 |
| EDUC 4497 | Student Teaching in Secondary Schools II | 8 |
| SPED 3361 | Survey of Special Ed and Special Ed Law | 4 |

Total for Secondary Education **48**

History licensure candidates must take GEO 2203 and I ST 3310 (or an econ class and US government course).

English licensure candidates must take EDUC 2210

Secondary licensure requirements may differ from major coursework. Meeting with the Director or Chair of the EPP is required.

Undergraduate Education Students Taking Graduate Courses

Undergraduate students who meet all the admission requirements of the Teacher Education Program or the MAT program may request permission to take up to 6 hours of graduate credit. In order to qualify for this credit, the student must have completed 92 or more undergraduate credit hours with a minimum cumulative GPA of 3.0. Qualified students must receive prior approval from the MAT Program Director.

Up to six credit hours earned as an undergraduate student may count toward earning the MAT degree if the following conditions are satisfied:

- The student was enrolled at Randolph College for at least two semesters before registering for course(s) in session 1 of senior year.
- The student has taken and passed the Virginia Communication and Literacy Assessment (VCLA).

Note: There may be financial aid implications involved in taking graduate courses as an undergraduate. For the purposes of billing, the College considers graduate courses to be part of the undergraduate student's full-time load. However, for financial aid purposes, graduate courses contribute to the undergraduate student's full-time status only insofar as they fulfill a degree requirement. Therefore, unless full-time status exists without them, there may be an adverse effect on the financial aid award.

Undergraduate Education Courses

EDUC 1101. Cultural Diversity, Schooling and the Teacher Students will develop an understanding of the historical, philosophical, and sociological foundations underlying the role, development, and organization of public education in the United States. Legal issues related to students and teachers, including federal and state laws, contemporary issues, and current trends in education are studied. Classroom management, roles of teachers and schools in communities, professionalism, and ethical standards will be reviewed and analyzed. *Credit hours: 4. Offered Fall, Session 1 and Summer. (SS)*

EDUC 1108. Educational Psychology and Human Development Students will gain an understanding of the physical, social, emotional, speech and language, and intellectual development of children and the ability to use this understanding in guiding learning. Topics include the teacher's role in motivation, emotional development of learners, and an analysis of the teaching-learning situation including the dynamics of interaction, classroom management, guidance, and instruction preK-12. *Credit hours: 4. Offered Fall, Session 2, Spring, Session 3, and Summer. (SS)*

EDUC 2207. Language and Reading Development & Practicum Exploration of educational theories and scientific research on teaching reading. This course will focus on the early stages of literacy development from language acquisition to emergent reader including analysis and discussion of the five areas of reading instruction, phonemic awareness, phonics, fluency, vocabulary, and comprehension. Teachers develop high quality strategies for teaching reading to all students based on the Virginia Standards of Learning. This course requires fieldwork in an elementary reading classroom. *Credit hours: 4. Prerequisite: EDUC 1108 or sophomore standing, or permission of instructor. Offered Fall, Session 1.*

EDUC 2210. Multicultural Children's Literature A survey of multicultural children's literature. The course includes various authors and illustrators in such genres as the oral tradition, fantasy, realistic and historical fiction, poetry, and picture

books. Special emphasis is given to teaching from a culturally relevant perspective and creating a diverse classroom library that includes authors and characters who are Black, Indigenous and people of color; women; LGBTQ+; and from a range of religious and cultural backgrounds. Reading and writing strategies will be incorporated related to text selection and the importance of using a wide variety of reading options in the classroom. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Offered Spring, Session 4.*

EDUC 2213. Dimensions of a Global Society and Multicultural Education This course will focus on diversity in schools and society and the interrelated concepts of culture, worldview, and race/ethnicity. Students will analyze areas of concern teachers express about working with diverse students, multicultural education, and how our own cultural orientations can influence how we interact with those from other cultures. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Offered Fall, Session 2. (CI)*

EDUC 2216. Classroom Assessment The characteristics and uses of both formal and informal assessment instruments and procedures will be studied with emphasis on formative assessment and principles and practices for effective standards-based instruction. Students will learn how to design, administer, and interpret a variety of assessment measures, including the teacher work sample. Topics will include reliability, validity, bias, performance assessment, portfolios, affective assessment, standardized test score interpretation, and formative assessment. *Credit hours: 4. Prerequisite: EDUC 1101 or 1108 or permission of instructor. Offered Spring, Session 3.*

EDUC 2230. Reading and Writing in the Content Area Exploration of educational theories and scientific research on literacy development in adolescents. Participants develop skills in motivating adolescents, assessing reading and writing ability, selecting texts at appropriate level of difficulty, and in differentiating instruction to meet the needs of diverse learners. Techniques for developing comprehension and vocabulary will be emphasized based on Virginia Standards of Learning. This course requires fieldwork in a middle school or high school classroom. *Credit hours: 4. Prerequisite: EDUC 1101 and sophomore standing or permission of instructor. Alternate years: offered Spring 2023.*

EDUC 3306. Reading and Writing Instruction/Diagnosis & Practicum Theory and scientific research is used to advance an interactive perspective on reading and writing that lays the foundation for the assessment and instruction process. Through discussion of the component skills and strategies required to succeed in reading and writing teacher candidates make informed decisions in planning instruction based on informal and formal assessments and aligned with the Virginia Standards of Learning and national standards. This course requires fieldwork in an elementary classroom. *Credit hours: 4. Prerequisite: EDUC 1101 or EDUC 1108 and sophomore standing. Offered Spring, Session 3.*

EDUC 3312. Mathematics and Science Instruction & Practicum This course is study of research and theories of developing and assessing mathematics and science concepts, process skills, and attitudes. Emphasis is on sciences and mathematics instruction based on National Standards and the Virginia Standards of Learning. Students will demonstrate the ability to design and implement age appropriate and content rich lessons. This course requires fieldwork in an elementary classroom. *Credit hours: 4. Prerequisite: admission to the Educator Preparation Program. Prerequisite or Corequisite: EDUC 1101 or EDUC 1108 and sophomore standing. Offered Spring, Session 4.*

EDUC 3315 Curriculum and Instruction & Practicum Students explore theories, methods, and procedures underlying the development and design of curriculum and instruction, and the interrelationships among curriculum, instruction, and assessment. Research based practices designed to improve learning and to develop college and career readiness skills of PreK-12 children are included. Students learn how data driven decision-making can lead to improved student achievement and how to integrate technology to improve learning outcomes. A school-based practicum is required as part of the course. *Credit hours: 4. Prerequisite: EDUC 1101 or EDUC 1108 and sophomore standing or permission of the instructor. Offered Fall, Session 2.*

EDUC 3318. Secondary Teaching in Subject Area & Practicum Seminars and tutorials, arranged with local grades 6–12 teachers, focusing on the structure of the disciplines and subject-specific methods of teaching based on Virginia Standards of Learning and national standards. This course requires fieldwork in a middle school or high school in the candidate's licensure area. *Credit hours: 4. Prerequisite: EDUC 3315 and sophomore standing or permission of instructor. Alternate years: offered Spring 2023, Session 4.*

EDUC 4472P. Action Research Field Placement Students entering the MAT program take this course instead of EDUC 4493/4496. Students will design and implement an action research project in a local school. The project requires students to work with a classroom teacher on the design process. Only open to students entering the MAT program in Elementary Education. *Credit hours: 4. Prerequisite: EDUC 4494. Offered Spring, Session 3.*

EDUC 4493. Student Teaching in Elementary Schools I Supervised teaching assignments in a local elementary school. Student teachers maintain schedule of their assigned cooperating teacher. Students will maintain a reflective journal and create a professional portfolio of the student teaching experience. Weekly reflective seminar emphasizes interactive activities and the development of the student teaching portfolio based on Virginia Standards of Learning and national standards. *Not open to students entering the MAT program in Elementary Education. Credit hours: 8. Prerequisite: admission to the Educator Preparation Program and to Student Teaching and an interview with the Director of the Educator Preparation Program. Students enrolled in EDUC 4493 may not enroll in any courses that interfere with student teaching hours. Offered Fall, Session 2.*

EDUC 4494. Senior Seminar Students will evaluate and conduct qualitative and/or quantitative research. Each student will work with a faculty supervisor to prepare a research project. Students will present their work during an oral presentation for students and faculty. *Credit hours: 4. Prerequisite: permission of the Department. Offered Fall, Session 1.*

EDUC 4495. Student Teaching in Secondary Schools I Supervised teaching assignments in middle and/or high school. Student teachers maintain schedule of their assigned clinical teacher. Students will maintain a reflective journal and portfolio of the student teaching experience and critique a video lesson of personal teaching. Weekly reflective seminars emphasize interactive discussion and the development of the student electronic professional portfolio. *Credit hours: 8. Prerequisite: admission to Student Teaching and an interview with the Director of the Educator Preparation Program. A student enrolled in EDUC 4495 may not enroll in any courses that interfere with student teaching hours, except for the Senior Program of the major. Offered Fall, Session 2.*

EDUC 4496. Student Teaching in Elementary Schools II Supervised teaching assignments in a local elementary school. Student teachers maintain schedule of their assigned cooperating teacher. Students will maintain a reflective journal and create a professional portfolio of the student teaching experience. Weekly reflective seminar emphasizes interactive activities and the development of the student teaching portfolio based on Virginia Standards of Learning and national standards. *Not open to students entering the MAT program in Elementary Education. Credit hours: 8. Prerequisite: admission to the Educator Preparation Program and to Student Teaching and an interview with the Director of the Educator Preparation Program. A student enrolled in EDUC 4496 may not enroll in any courses that interfere with student teaching hours. Offered Spring, Session 3.*

EDUC 4497. Student Teaching in Secondary Schools II Supervised teaching assignments in middle and/or high school. Student teachers maintain schedule of their assigned clinical teacher. Students will maintain a reflective journal and portfolio of the student teaching experience and critique a video lesson of personal teaching. Weekly reflective seminars emphasize interactive discussion and the development of the student electronic professional portfolio. *Credit hours: 8. Prerequisite: admission to Student Teaching and an interview with the Director of the Educator Preparation Program. A student enrolled in EDUC 4495 may not enroll in any courses that interfere with student teaching hours, except for the Senior Program of the major. Offered Spring, Session 3.*

Undergraduate Interdisciplinary Courses Included in Education Curriculum

I ST 3310. Civics and Economics Students will examine the roles citizens play in U.S. politics and government, and the basic economic principles that underlie the U.S. market economy. Students will investigate the processes by which decisions are made in the American market economy and explain the government's role in it. Students study how patriotism, respect for the law, willingness to perform public service, and a sense of civic duty facilitate thoughtful and effective active participation in the civic life of an increasingly diverse democratic society. This course is open to all students and required of students seeking elementary education licensure or students seeking the history/social science teaching licensure. Course content maps to the Virginia Standards of Learning. *Identical with POL 3310. Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years. Offered Spring 2022, Session 4*

I ST 3309. Interdisciplinary Inquiry Science Students explore scientific connections among earth and life science, physics, chemistry, and biology. Students will understand the nature of science and scientific inquiry including the role of science, and the science skills of data analysis, measurement, observation, and experimentation. Project-based and inquiry lessons weave together concepts that reinforce the Virginia Standards of Learning and incorporate classroom work, and labs. Students develop the concepts essential to inquiry and safety procedures. This course is open to all students and required of students seeking elementary education licensure. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Offered Fall, Session 1.*

Undergraduate Special Education Courses

SPED 3361. Survey of Special Education and Special Education Law Provides an overview of the theories, definitions, and characteristics pertaining to individuals with disabilities. Reviews information in the DSM-5 related to various learning disabilities. Includes research and learning problems and difficulties children with learning differences face in the classroom, review of resources, accommodations and modifications as outlined by IDEA and by the Virginia Department of Education. Includes discussions on the special education process and influence of state and federal special education laws and policies on the public school program; provides background for designing appropriate individualized instruction, behavioral support, and classroom management applications and interventions for students with diverse learning needs. *Credit hours: 4. Offered Fall, Session 1, and every Summer.*

EDUCATION GRADUATE PROGRAM

The Master of Arts in Teaching (MAT) will prepare qualified elementary, secondary, and special education candidates to be leaders in education. Candidates may complete initial teacher licensure in elementary (preK-6), special education: general curriculum (K-12), or secondary education (6-12 or preK-12 depending on content area). Undergraduate students may earn the MAT after the fifth year of study normally in a Summer-Fall-Winter-Spring cycle.

Academic Standing: MAT

Graduate candidates must maintain a minimum cumulative GPA in order to meet satisfactory academic progress standards. As a part of the academic progress review each semester, MAT must meet the academic standing criterion defined as a cumulative grade point average of 3.0. Candidates who do not meet this standard will be placed on academic probation. Any student earning more than six hours with grades of C or below must retake courses as needed to bring the student back up to the program requirements. Candidates failing to meet the standards outlined above because of mitigating circumstances may appeal in writing for reconsideration by the Board of Review. Submit appeals to the Office of the Provost of the College.

Course Load: MAT

For full-time status, a student normally maintains a course load of at least 4-9 credits each quarter (9 credits minimum each semester). Candidates may complete the program on a full-time or part-time basis.

Graduation Application and Information: MAT

Master's degree candidates should complete degree applications by October 1 of the Fall semester for May commencement. Information obtained from the degree applications is used in the ordering of diplomas and preparing the Commencement Program. Degree completion dates are in May, August, and January with a Commencement exercise occurring only in May. MAT candidates who have completed all academic requirements for the degree except for the Summer courses may participate in the Commencement ceremony.

Requirements for the Degrees: MAT

Randolph College confers the Master of Arts in Teaching degree. Requirements for the degree are:

1. 37-40 credit hours of graduate coursework must be completed.
2. A maximum of 9 credit hours may be transferred to Randolph College at the graduate level.
3. All requirements, including transfer courses, must be completed within a period of six calendar years.
4. The student must have earned a cumulative grade point average of 3.0 (rounded) both for all courses taken for a grade and for all courses counted toward major requirements, with not more than six semester hours earning a grade of C or lower.

Teacher Licensure Testing Requirements

Master of Arts in Teaching

1. PRAXIS II
2. Reading for Virginia Educators Assessment (elementary and special education only)
3. Virginia Communication and Literacy Assessment

Master of Arts in Teaching

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|----------------------------------|---|---------------------|
| <i>Required:</i> | | |
| EDUC 5511 | Educational Assessment and Measurement | 3 |
| EDUC 5523 | Research and Inquiry into Teaching Practices | 3 |
| EDUC 5527 | Current Trends and Legal Issues in Schools | 2 |
| EDUC 6601 | Foundations of Education and Classroom Management | 1 |
| EDUC 6611 | Human Growth and Development | 1 |
| EDUC 6684 | Seminar in Education Research and Teaching | 3 |
| EDUC 6693 | Student Teaching for MAT I | 6 |
| EDUC 6694 | Student Teaching for MAT II | 6 |
| SPED 6661 | Survey of Special Education & Special Ed Law | 3 |
| Total of required courses | | 28 |

One of the following tracks (9 to 12 credit hours)

Curriculum and Instruction (Elementary)

| | | |
|--|--|-----------|
| EDUC 5517 | Reading Assessment and Instruction Across the Curriculum | 2 |
| EDUC 5517P | Reading Assessment and Instruction Practicum | 1 |
| EDUC 6605 | Instructional Methods Across the Curriculum | 3 |
| EDUC 6607 | Early Language Acquisition and Reading | 2 |
| EDUC 6614 | Science Methods for Elementary and Middle School | 1 |
| EDUC 6616 | Mathematics Methods for Elementary and Middle School | 1 |
| Total Curriculum and Instruction (Elementary) | | 10 |

Curriculum and Instruction (Secondary)

| | | |
|---|---|----------|
| EDUC 6605 | Instructional Methods Across the Curriculum | 3 |
| EDUC 6606 | Reading and Writing in the Content Area | 3 |
| EDUC 6618 | Instruction in the Subject Area | 3 |
| Total Curriculum and Instruction (Secondary) | | 9 |

Special Education

| | | |
|--------------------------------|--|-----------|
| EDUC 5517 | Reading Assessment and Instruction Across the Curric | 2 |
| EDUC 5517P | Reading Assessment and Instruction Practicum | 1 |
| SPED 6603 | Methods for Teaching Students with Mild Disabilities | 2 |
| EDUC 6606 | Reading and Writing in the Content Area | |
| OR SPED 6635 | Reading Interventions for Students with LBLD | 3 |
| EDUC 6607 | Early Language Acquisition and Reading | 2 |
| EDUC 6616 | Mathematics Methods for Elementary and Middle School | 1 |
| SPED 6620 | IEP Development and Transitioning | 1 |
| Total Special Education | | 12 |

Total for MAT Degree

37-40

Graduate Certificate in Dyslexia: Literacy, Support, and Intervention

The Graduate Certificate in Dyslexia (GCD) courses are aligned with the International Dyslexia Association's Knowledge and Practice Standards for Teachers of Reading. GCD courses provide candidates practical, hands-on training and experience with research-based methods for reading instruction and intervention. GCD candidates will receive: (a) foundational content that will result in a comprehensive understanding of dyslexia and other language-based disabilities, (b) direct training in research-based curricula, and (c) fieldwork in delivering reading instruction to elementary and secondary students who struggle in reading.

Completion of the certificate program requires 18 credit hours (completed in three to five semesters) of specific reading and language-related coursework. Certificate completers will be able to teach at the community college level or adjunct at local colleges and universities that will make the certificate appealing to teachers.

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|--|---------------------|
| EDUC 5511 | Educational Assessment and Measurement | 3 |
| EDUC 5517 | Reading Assessment & Instruction | 2 |
| EDUC 6607 | Early Language Acquisition & Reading | 2 |
| SPED 5500 | Dyslexia and Other Learning Disabilities | 3 |
| SPED 5510 | Executive Function and Study Skills | 2 |
| SPED 6620 | IEP Development & Transitioning | 1 |
| SPED 6635 | Reading Interventions for Students with LBLD | 3 |
| SPED 6680 | Intensive Reading Intervention/action Research | 1 |
| Total for Graduate Certificate in Dyslexia | | 17 |

Graduate Education Courses

EDUC 5511. Educational Assessment and Measurement Students examine and analyze the theories and practice in psycho-educational diagnosis and remediation of children's learning disabilities. Students explore the areas of perception, cognition, language, and motivation in relation to school subject matter and classroom performance. *Credit hours: 3. Prerequisite: acceptance to the Program or permission of instructor.*

EDUC 5517. Reading Assessment and Instruction Across the Curriculum A study of the techniques for diagnosing elementary, middle, and high school students with reading difficulties. Candidates will review the causes of reading problems, evaluation and instruction of frequently used tests and inventories including group and individual, ideas for integrating literature/writing into content area curriculum based on Virginia Standards of Learning, and techniques for improving reading/writing achievement of students of all ability levels. *Credit hours: 2. Prerequisite: acceptance to the Program or permission of instructor.*

EDUC 5517P. Reading Assessment and Instruction Practicum Integration of theoretical and practical aspects of a reading program in a supervised clinical setting. Students function as members of the literacy staff and are required to develop, implement, and evaluate diagnostic and remedial reading programs based on Virginia Standards of Learning for children in grades K-5. *Credit hours: 1. Prerequisite: acceptance to the Program or permission of instructor.*

EDUC 5523. Research and Inquiry into Teaching Practices Qualitative and quantitative research methods on teaching and learning of diverse learners. Criteria for judging validity and applicability of research-based knowledge. Framing educational problems worthy of inquiry. Designing and assessing studies of teaching practices. This course meets for the full semester. *Credit hours: 3. Prerequisite: acceptance to the Program or permission of instructor.*

EDUC 5527. Current Trends and Legal Issues in Schools This course examines federal and state education law including the Individuals with Disabilities Education Act (IDEA). The first half of the course will involve the study and analysis of relevant case law and statutes. In the second half of the course students apply their knowledge of education law. *Credit hours: 2. Prerequisite: acceptance to the Program or permission of instructor.*

EDUC 6601. Foundations of Education and Classroom Management This course examines the multidisciplinary foundations of instruction via historical, philosophical, and sociological research. The intersections and relationships of assessment, instruction, classroom management, and human growth and development are the primary focus. Informed, teacher candidates develop individual educational pedagogies and engage with various teaching approaches and strategies, to make decisions for improving instruction, classroom management, and student performance. *Credit hours: 1. Prerequisite: acceptance in the Program or permission of instructor.*

EDUC 6605. Instruction Across the Curriculum & Practicum Focuses on teaching and learning in schools (pre6-12) and includes the study of curriculum and methodologies suitable for a variety of content areas and students' learning needs. Emphasis is placed on developing teachers' leadership qualities in the classroom and in the school. A school field experience is included as part of the course requirement. *Credit hours: 3. Prerequisite: acceptance to the Program or permission of instructor.*

EDUC 6606. Reading and Writing in the Content Area Intervention techniques for accelerating the reading ability of striving readers in grades 6-12. Students learn to match instructional techniques to assessed areas of literacy needs and to differentiate instruction for varying levels of reading and writing achievement based on Virginia Standards of Learning. *Credit hours: 3. Prerequisite: acceptance to the Program or permission of instructor.*

EDUC 6607. Early Language Acquisition and Reading A study of the theories, processes, and acquisition of reading and language skills. Emphasis is on the cognitive, linguistic, social and physiological factors involved in oral and written language development. Emergent literacy and the relationship between language and reading acquisition are explored, including an examination of strategies for developing oral reading, comprehension, and literacy skills and techniques for building word recognition, phonics, integrating reading and writing, and comprehension. *Credit hours: 2. Prerequisite: permission of instructor.*

EDUC 6611. Human Growth and Development This course is designed to give basic knowledge and understanding of human growth and development. Students will study the physical, social, emotional, and intellectual development of children and the ability to use this understanding in guiding learning experiences. *Credit hours: 1. Prerequisite: acceptance to the Program or permission of instructor.*

EDUC 6614. Science Methods for Elementary and Middle School Students develop skills for effective science teaching grounded in research proven effective in working with diverse students. The course addresses science content and pedagogy connected with the Virginia and NGSS Standards. Students will design lessons appropriate for the diverse needs of children preK-6. *Credit hours: 1. Prerequisite: acceptance to the Program or permission of instructor.*

EDUC 6615. Curriculum and Teaching Problems in Elementary and Secondary Schools Each student investigates a special instructional problem under the direction of the instructor. The research is supplemented by fieldwork in an appropriate grade/ content area. Open only to students accepted into the graduate education program and who have met one of the cross-listed requirements as an undergraduate. Individual conferences to be arranged. *Credit hours: 3. Prerequisite: acceptance to the Program or permission of instructor. May be repeated for credit up to a maximum of 6 credit hours.*

EDUC 6616. Mathematics Methods for Elementary and Middle School Students develop skills for effective-mathematics teaching grounded in research proven effective with diverse students. The course addresses competence through an emphasis on mathematics content, connected with the Virginia Standards. Students will design lessons appropriate for the diverse needs of children pK-6. The course will expose students to current mathematics teaching reforms and research based teaching strategies. *Credit hours: 1. Prerequisite: acceptance to the Program or permission of instructor.*

EDUC 6618. Instruction in the Subject Area Seminars focusing on the structure of the disciplines and subject-specific methods of teaching based on Virginia Standards of learning and national standards. Supervised opportunity to implement subject-specific instructional strategies and classroom management skills in a local school setting. *Credit hours: 3. Prerequisite: acceptance to the Program or permission of instructor.*

EDUC 6684. Seminar in Educational Research and Teaching This course is designed to provide MAT candidates opportunities to conduct qualitative and quantitative research. Each candidate will work with a faculty supervisor to prepare a research project and develop a comprehensive proposal and IRB protocol. Candidates will present their work during an oral presentation for colleagues and faculty. This course meets for the full semester. *Credit hours: 4. Prerequisite: acceptance to the Program and satisfactory progress in the professional licensure degree program.*

EDUC 6693, 6694. Student Teaching for MAT I-II Supervised teaching assignments in local school settings. Student teachers maintain schedule of their assigned cooperating teacher. Placements are made according to endorsement area. *Credit hours: 6, 6. Prerequisite: satisfactory completion of licensure assessments.*

Graduate Special Education Courses

SPED 5500. Dyslexia and LD Candidates will understand common characteristics of dyslexia and its influence on learning. Appreciate ways teachers use best practices with dyslexic students that maximize school success. Understand how student with language-based learning disabilities require specific, differentiated approaches to learning including oral language skills, reading, and writing. Recognize students' unique strengths are often unidentified or overlooked, and use this information to assess and develop appropriate instructional accommodations and modifications. *Credit hours: 3.*

SPED 5510. Executive Function and Study Skills Students with language-based learning disabilities often struggle with the cognitive and self-regulating tasks associated with executive function. These tasks range from organizing time, materials, information; preparing for work, managing frustration, accessing memory and self-monitoring one's progress and work. This course introduces educators to research-based strategies that increase and improve executive function through the use of effective study skills. While the course will explore relevant research on language based learning disabilities and executive function. *Credit hours: 2*

SPED 6603. Teaching Students with Mild Disabilities & Practicum Focuses on the knowledge base for educational intervention of students with diagnosed mild learning differences. Course content includes strategies for reading, written expression, mathematics, social-behavioral, study skills, and vocational and career options. The development of individualized programs in collaboration with general and special education colleagues will be emphasized. *Credit hours: 2. Prerequisite: acceptance to the Program or permission of instructor.*

SPED 6620. IEP Development and Transitioning Overview and examination of Individualized Education Program (IEP) required components. Includes how IEPs are developed and used in the classroom. The roles and responsibilities of required members of IEP team will be reviewed and analyzed in relation to students, family members, and teachers. Students will develop the ability to prepare students and work with families to promote successful student transitions throughout the educational experience. *Credit hours: 1. Prerequisite: acceptance to the Program or permission of instructor.*

SPED 6635. Reading Interventions for Students with LBLD (Language Based Learning Disability) This course focuses on the strategies and skills for supporting expressive language skills for students with dyslexia and other language based learning disabilities, primarily for writing. The course introduces the concepts of scaffolding the writing process, using a hierarchy of skills to build appropriate foundational skills sets, and understanding the hidden demands of writing for students with language based learning disabilities. Students in this course will draw from relevant research on expressive language arts to develop practical teaching strategies for their own learning environments. Reading in the content area is examined. *Credit hours: 3.*

SPED 6661. Exceptional Children & Special Education Law Provides an overview of the theories, definitions, and characteristics pertaining to individuals with disabilities. Reviews information in the DSM-5 related to various learning disabilities. Includes research and learning problems and difficulties children with learning differences face in the classroom, review of resources, accommodations and modifications as outlined by IDEA and by the Virginia Department of Education. Includes discussions on the special education process and influence of state and federal special education laws and policies on the public school program; provides background for designing appropriate individualized instruction, behavioral support, and classroom management applications and interventions for students with diverse learning needs. *Credit hours: 3*

SPED 6680 Intensive Reading Intervention/Action Research Students will develop and implement an action research project with one-on-one guidance with a faculty member. Prerequisite SPED 6635. *Credit hours: 1.*



ENGINEERING PHYSICS

Interdisciplinary Major Chair: Peter A. Sheldon

A student interested in a degree in engineering, but who also wants the benefits of a liberal arts education can elect the engineering physics major. The engineering physics major takes a rigorous program of physics, chemistry, mathematics, and computer science courses while at Randolph College for three years. The student then has the option to apply to an associated engineering school to complete the program in two more years. Randolph College has an agreement with the engineering schools at Washington University St. Louis and the University of Virginia. The student is not limited to these choices. After the first or second year at the engineering school, a BS in engineering physics may be received from Randolph College, and after the second year, a BS or in some cases a Master's degree in engineering is received from the engineering school. Admission to the fourth year at the engineering school requires at least a 3.25 or better GPA both overall and in the Randolph College major. If a student elects to remain at Randolph College, the possibilities are to complete the regular physics degree or possibly another degree depending on the courses taken.

Students in the dual degree engineering program are strongly advised to complete all of the requirements for their academic major(s) and general education program prior to departure from Randolph College, and prior to beginning at the engineering partner school. For the Engineering Physics major, typically only the senior program is done at the partner school. In addition, students should plan to complete at least 94 credits prior to departure.

Engineering Physics Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|-----------------------------|---------------------------|---------------------|
| <i>Required:</i> | | |
| CHEM 1105-1105L, 1106-1106L | General Chemistry and Lab | 8 |
| MATH 2250 | Calculus III | 4 |

| | | |
|---|--|---|
| MATH 3331 | Differential Equations | 4 |
| PHYS 1115-1115L, 1116-1116L | General Physics and Lab | 8 |
| PHYS 2216 | Statics | 4 |
| PHYS 2251 | Relativity and Intro Quantum Mechanics | 4 |
| <i>One of the following:</i> | | 4 |
| PHYS 3331 | Electronics Lab | |
| PHYS 3332 | Advanced Physics Lab | |
| <i>Two of the following:</i> | | 8 |
| CSCI 1151 | Computer Programming I | |
| CSCI 1156 | Computer Programming II | |
| CSCI 2225 | Matlab and LabVIEW | |
| <i>One additional 3300-level physics course</i> | | 4 |
| <i>Senior Program</i> | | |
| Successful completion of one year at an associated engineering school | | |

Total Randolph College hours for BS Degree in Engineering Physics **48**

- In order to complete this major in three years at Randolph College, the general physics sequences and calculus I and II must be taken in the first year at Randolph (or prior).
- A student cannot complete both a physics degree and the engineering physics degree.

See individual departments for course descriptions

Recommended Courses

Physics 2256, Green Engineering Design. For chemistry-related engineering: an additional year of chemistry. For biology-related engineering: two years of biology.



ENGLISH

Faculty: Mara I. Amster, Gary R. Dop, Heidi M. Kunz, Laura-Gray Street

English Undergraduate Program

The major in English develops the student's sensitivity to language and literature and enriches knowledge of the artistic imagination. It exposes students to a broad range of literary works and helps them improve skills in speaking, writing, and critical thinking. Every English major, whether emphasizing creative writing or literature, should have:

- knowledge of literary traditions, periods, schools, styles, forms, and genres;
- practice in the creative process;
- acquaintance with various ways of reading and understanding texts; and
- experience with both analytical and creative writing.

The English major offers excellent preparation for advanced work in graduate or professional school and for a wide array of career options. Students considering graduate school in English should confer with their advisors to be sure they have planned appropriate curricula. Since most graduate schools require at least one modern language and some require a classical language as well, students should be proficient in at least one language other than English at the time of graduation.

There is only one major in the Department: the English major. Students may choose to emphasize either creative writing or literature, but the Department is firmly committed to the mutual support and dependence of the two emphases, both of which engage the student in reading, writing, and critical and creative thinking. The core requirements for the English major are organized so that students who elect the one emphasis will both contribute to and learn from those who elect the other.

English Major with an Emphasis in Literature

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|--|---------------------|
| <i>Required:</i> | | |
| ENGL 1161 | Introduction to Creative Writing | 4 |
| <i>Three of the following:</i> | | 12 |
| ENGL 2253 | Reading Poetry | |
| ENGL 2255 | Reading Prose | |
| ENGL 2256 | Reading Fiction | |
| ENGL/THTR 2276 <i>or</i> 2277* | Reading Drama <i>or</i> Shakespeare | |
| <i>Five courses from the following with no more than one course at the 1100 level:</i> | | 20 |
| ENGL 1111 | Reading Gender | |
| ENGL 1112 | Sports Literature | |
| ENGL 1113 | Introduction to Literary Studies | |
| ENGL 1140 | Reading Race | |
| ENGL 1142 | F. Scott and Zelda | |
| ENGL/THTR 2277* | Shakespeare | |
| ENGL 2231 | Topics in Literature | |
| ENGL 3333 | Literature of the American South | |
| ENGL 3336 | Inspired by the Sea | |
| ENGL 3338 | The Prostitute in Literature | |
| ENGL 3343 | Transatlantic Brontë | |
| ENGL 3357 | Radical Turns | |
| ENGL 3364 | Feminist Literary Theory | |
| ARTH/ENGL 3378 | Gender in Renaissance Art and Literature | |
| <i>Senior Program</i> | | |
| ENGL 4493, 4494 | Senior Seminar, Senior Paper | 8 |
| Total for BA Degree in English with an Emphasis in Literature | | 44 |

*Students may use ENGL/THTR 2277 to fulfill the 2200-level Reading credit *or* the additional Literature credit but not both.

English Major with an Emphasis in Creative Writing

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|-------------------------------------|---------------------|
| <i>Required (one of each, or two ENGL 3367):</i> | | |
| ENGL 3363 | Advanced Creative Writing | 4 |
| ENGL 3367 | Pearl S. Buck Workshop | 4 |
| <i>Two of the following:</i> | | 8 |
| ENGL 2253 | Reading Poetry | |
| ENGL 2255 | Reading Prose | |
| ENGL 2256 | Reading Fiction | |
| ENGL/THTR 2276 <i>or</i> 2277 | Reading Drama <i>or</i> Shakespeare | |
| <i>Two of the following:</i> | | 8 |
| ENGL 1161 | Intro to Creative Writing | |
| ENGL 2263 | Writing Poetry | |
| ENGL 2265 | Writing Creative Nonfiction | |
| ENGL 2266 | Writing Fiction | |
| ENGL/THTR 2279 | Writing Plays | |
| <i>Three courses from the following with no more than one course at the 1100 level:</i> | | 12 |
| ENGL 1111 | Reading Gender | |
| ENGL 1112 | Sports Literature | |
| ENGL 1113 | Introduction to Literary Studies | |
| ENGL 1140 | Reading Race | |
| ENGL 1142 | F. Scott and Zelda | |
| ENGL 2231 | Topics in Literature | |
| ENGL 2238 | The Prostitute in Literature | |
| ENGL/THTR 2277* | Shakespeare | |
| ENGL 3333 | Literature of the American South | |
| ENGL 3336 | Inspired by the Sea | |
| ENGL 3343 | Transatlantic Brontë | |

| | | |
|--|--|-----------|
| ENGL 3357 | Radical Turns | |
| ENGL 3364 | Feminist Literary Theory | |
| ARTH/ENGL 3378 | Gender in Renaissance Art and Literature | |
| <i>Senior Program</i> | | |
| ENGL 4493, 4494 | Senior Seminar, Senior Paper | 8 |
| Total for BA Degree in English with an Emphasis in Creative Writing | | 44 |

Students may use ENGL/THTR 2277 to fulfill the 2200-level Reading credit **or the additional Literature credit but not both.*

Additionally for BFA

| | |
|---|---|
| one additional 3363 or 3367 | 4 |
| one additional 2200 or 3300 creative writing | 4 |
| Interdisciplinary Base* | 9 |
| <i>*Students select the interdisciplinary base in consultation with their advisor. Courses selected must be from ARTH, ARTS, DANC, MUSC, or THTR with two departments represented and must include 1 course in artistic expression.</i> | |

Total for BFA Degree in English with an Emphasis in Creative Writing 61

English Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|----------------------------------|---------------------|
| <i>Required:</i> | | |
| ENGL 1161 | Introduction to Creative Writing | 4 |
| <i>Two of the following*:</i> | | 8 |
| ENGL 2253 | Reading Poetry | |
| ENGL 2255 | Reading Prose | |
| ENGL 2256 | Reading Fiction | |
| ENGL 2263 | Writing Poetry | |
| ENGL 2265 | Writing Creative Nonfiction | |
| ENGL 2266 | Writing Fiction | |
| ENGL/THTR 2276 | Reading Drama | |
| ENGL/THTR 2279 | Writing Plays | |
| <i>2 additional courses at the 3300 level*</i> | | 8 |
| Total for Minor in English | | 20 |

**At least one of these must be a Literature course*

Editing Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|----------------------|---------------------|
| <i>Required:</i> | | |
| ENGL 2268 | Professional Editing | 4 |
| Two EXL internships, each for a minimum of 1 credit hour | | 0-6 |
| Two ENGL courses | | 8 |
| <i>One of the following:</i> | | 4 |
| A third ENGL course | | |
| One course from any discipline with the general education designation of WI | | |
| Total for Editing minor | | 16-22 |

Experiential Learning Examples

Examples of Experiential Learning (EX L) include editor positions on *Hail, Muse!, Etc.*, *The Sundial*, or *The Jack*; Writing Lab tutor positions in the RC Academic Services Center (or another relevant ASC role); student research through appropriate non-credit Summer Research Program projects; internships with RC MFA's *Revolute* or another literary journal; writing/editing internships at RC; and/or writing/editing internships in any field, including literary/publishing, science, engineering,

communications, health, sports, IT, medicine, law, business, public relations, nonprofit, etc., or with any associated professional organizations. To be arranged in consultation with the Editing Minor Advisor, among others.

Recommended Courses

Courses in media and culture; British, American, and European history; mythology; gender studies; art and music history; comparative philosophy; fine arts, studio and performance; and foreign languages and literatures.

Special Programs

An endowed fund allows the Department to invite distinguished writers to campus for residencies of varying lengths. Visiting writers and writers in residence over the years have included Molly McCully Brown, Evan Boland, Stephanie Burt, Eduardo C. Corral, Oliver de la Paz, Natalie Diaz, Rita Dove, Camille Dungy, Claudia Emerson, Kaitlyn Greenidge, Rigoberto González, Terrence Hayes, Allison Hedge Coke, Mira Jacob, Tayari Jones, Van Jordan, Aviya Kushner, Shara Lessley, Barry Lopez, Wayetu Moore, Naeem Murr, Greg Pardlo, Jon Pineda, Pattiann Rogers, Lee Ann Roripaugh, Mary Ruefle, Ira Sadoff, Evie Shockley, Mark Haskell Smith, Patricia Smith, Sue William Silverman, Ellen Bryant Voigt, Christian Wiman, and many others.

English Composition Courses

WRIT 1101, 1102. English Composition I, II Detailed instruction in language usage and writing techniques for students whose native language is not English. Students placed in WRIT 1101 are also required to take WRIT 1102. *Credit hours: 4, 4. By placement only. (WR)*

WRIT 1103. Writing in College WRIT 1103 is an introduction to writing at the college level, with attention to using English correctly and effectively, thinking analytically, identifying audiences, finding and evaluating source materials, developing an arguable thesis and supporting it with evidence, and using disciplinary conventions for citation and documentation. Guided practice in generating, revising, and editing drafts of essays. *Credit hours: 4. This course cannot be taken on a Pass/Fail basis. (WR)*

WRIT 1104. Writing in College (STAR) This is an introduction to writing at the college level, with attention to using English correctly and effectively, thinking analytically, identifying audiences, and developing an arguable thesis and supporting it with evidence. Guided practice in generating, revising, and editing drafts of essays. This course is offered to student who are accepted into the STAR program. *Credit hours: 1-4. This course cannot be taken on a Pass/Fail basis. (WR)*

WRIT 1105. Writing in College (STAR) This is a continuation of WRIT 1104, addressing writing at the college level, with attention to developing an arguable thesis and supporting it with evidence, and using disciplinary conventions for citation and documentation. Guided practice in generating, revising, and editing drafts of research essays. This course is offered to student who are accepted into the STAR program. *Credit hours: 1-4. This course cannot be taken on a Pass/Fail basis. (WR)*

Literature Courses

ENGL 1111. Reading Gender Literature both expresses and explores identity, of which gender is an essential component. This course considers the ways that historical and cultural notions of gender shape literary narratives, as well as the ways that notions of gender operate to constrain and/or liberate literary creativity. Thematic topics vary; recent iterations include “US Women Regionalists,” “Science/Fiction,” and “Sanity and Spaces.” Emphasis on critical approaches and the writing of textual analysis. *Credit hours: 4. (AE, CI, WI)*

ENGL 1112. Sports Literature Walt Whitman said of baseball, it “belongs as much to our institutions, fits into them as significantly as our constitutions.” This course examines sports as subject for both analytical and imaginative writing. Students read works that present an American identity through sport, the tension between being self-reliant and playing for the team or, as Whitman would have it, “the snap, go, fling of the American atmosphere.” *Credit hours: 4. (AE, WI)*

ENGL 1113. Introduction to Literary Studies The topic varies by session. *Credit hours: 4. May be repeated for credit when topic differs. (AE)*

ENGL 1140. Reading Race Literature both expresses and explores identity, of which race is an essential component. This course considers the ways that historical and cultural notions of race shape literary narratives, as well as the ways that notions of race operate to constrain and/or liberate literary creativity. Thematic topics vary. Emphasis on critical approaches and the writing of textual analysis. *Credit hours: 4. (CI, HE, WI)*

ENGL 1142. F. Scott and Zelda How did a disorganized college student become a world-class novelist? This course traces the development of F. Scott Fitzgerald's art through the wide range of his writing, including fiction, nonfiction, poetry, and drama. Attention will be given to his collaboration and competition with Zelda Sayre Fitzgerald, as well as to relevant cultural phenomena such as media celebrity and the rise of Hollywood. *Credit hours: 4. (AE, WI)*

ENGL 2231. Topics in Literature The work in the course varies from year to year. *Credit hours: 4.*

ENGL 2238. Selling Sex: The Prostitute in Literature The prostitute, the whore, the fallen woman, the sexually voracious woman, call her what you will, populates the literary landscape. She is a central figure in cultural debates about sexuality, about the role of women in public markets (both literal and authorial), and about the relationship between romance and fiction. *Credit hours: 4*

ENGL 2253. Reading Poetry A study of lyric, narrative, and dramatic verse. Students will discover meaning by examining the formal properties of poetry, including meter, diction, imagery, and tone. Readings will include a range of genres such as epic, elegy, pastoral, and ode. Representative authors may include Spenser, Milton, Wordsworth, Whitman, and Dickinson. *Credit hours: 4. (AE)*

ENGL 2255. Reading Prose A study of non-fiction prose, including autobiography, intellectual essay, reportage, criticism, and literary theory. Students will investigate the boundaries of critical thinking and creative imagination; of fact, fiction, and truth. Representative authors may include Montaigne, Douglass, Thoreau, Woolf, and Welty. *Credit hours: 4. (AE)*

ENGL 2256. Reading Fiction A study of the short story and the novel with particular attention given to form and technique. Students will explore a variety of narrative types such as picaresque, epistolary, naturalistic, satiric, and experimental. Representative authors may include Voltaire, Austen, Twain, Joyce, García Márquez, and Walker. *Credit hours: 4. (WI)*

ENGL 2276. Reading Drama A study of tragedy, comedy, and other varieties of works for the theatre, with attention given to historical and social context. Students will examine periods such as the Restoration, types such as melodrama, and movements such as theatre of the absurd. Attendance at screenings and at live productions by the theatre department may be required. Representative authors may include Sophocles, Ibsen, Williams, Miller, and Hansberry. Identical with THTR 2276. *Credit hours: 4. (AE, WI)*

ENGL 2277. Shakespeare An introductory course dealing with the principles of Renaissance stagecraft, the nature of performance, the construction and themes of the plays, and the concept of genre or type. Representative plays in all genres from throughout Shakespeare's career. Identical with THTR 2277. *Credit hours: 4. (AE, WI)*

ENGL 2280. Sci-Fi, Fantasy, and Classical Traditions This course explores how the genres of speculative fiction draw on and departs from ancient Greek and Roman literature, philosophy, myth, history, and art: in other words, how sci-fi and fantasy both transmit and transmute ancient materials and form deep wells of receptions of the ancient world. Students will focus on themes of perennial human significance (e.g., the uses of history, technology, fantastic voyages, metamorphosis, knowledge/wonder, and so on) in books, comics, films, television, and more. *Identical with CLAS 2280. Credit hours: 4. Prerequisite: CLAS 1132 or permission of instructor.*

ENGL 3333. Literature of the American South A seminar-style, topically-arranged investigation of prose, poetry, and drama of the southern United States through selections from four centuries of Anglophone writing in the region. Topics, e.g. The African-American South, The Southern Renaissance, Quintessential Faulkner, (Re)Constructions of the Old South, Belles and Ladies and Not, will vary. *Credit hours: 4. Prerequisite: 1100- or 2200-level literature course or permission of instructor. Alternate years. (CI, HE)*

ENGL 3336. Inspired by the Sea An exploration of the maritime imagination that proceeds from the sea as setting, subject, and figure to transnational notions of "sea consciousness" that challenge traditions of geopolitical "mapping" in literary and cultural studies. Texts will be selected from a range of ancient and modern writers such as Virgil, Columbus, Equiano, Melville, Conrad, and Carson. *Credit hours: 4. Prerequisite: 1100- or 2200-level literature course or permission of instructor. Alternate years. (AE)*

ENGL 3343. Transatlantic Brontë The British sisters Anne, Charlotte, and Emily Brontë burst upon the Victorian literary scene with novels featuring passion and violence. Their astonishing fictions evoked outrage and admiration, and inspired responses not only from other British writers, but also from writers in the United States. This course will explore the cultural and literary contexts -- and legacies -- of the transatlantic Brontë phenomenon. *Credit hours: 4. Prerequisite: 1100- or 2200-level literature course or permission of instructor. Alternate years. (AE, CI)*

ENGL 3357. Radical Turns Just before the turns of the 19th and 20th centuries, the vogues of Gothicism and Naturalism, respectively, featured radical imaginations that shocked readers and redefined the terms of literature. Works by British and U.S. writers will provide a study of the phenomenon of creative extremity, as well as its influence and enduring power. *Credit hours: 4. Prerequisite: 1100- or 2200-level literature course or permission of instructor. Alternate years. (AE)*

ENGL 3364. Feminist Literary Theory This course provides an introduction to feminist literary criticism/theory. It also examines the ways that this strand of criticism overlaps, influences, and expands other fields of literary criticisms, including (among others) Marxist theory, queer theory, cultural studies, post-colonial theory, psychoanalytic theory, and new historicism. *Credit hours: 4. Prerequisite: 1100- or 2200-level literature course or permission of instructor. Alternate years.*

ENGL 3378. Power and Beauty: Gender in Renaissance Art and Literature This course seeks to understand, analyze, and interpret representations of gender and sex within Renaissance art and literature (in both England and Italy). Using contemporary texts when possible and readings from the disciplines of literature, social history, feminist theory, and art historical texts, the course aims for a fuller assessment of gendered Renaissance life as it pertains to art and literature. Identical with ARTH 3378. *Credit hours: 4. Prerequisite: junior standing or permission of instructor. (CI, HE)*

Writing Courses

ENGL 1161. Introduction to Creative Writing The writing of poetry, fiction, and plays, focusing upon group discussion of student work. The work of modern and contemporary authors will be used as models for discussions of theme, theory, and technique. *Credit hours: 4. (AE, WI)*

ENGL 1167. Exploring Creative Writing An introduction to creative process and the writing of poetry, short fiction, plays, or creative nonfiction. Taught by the current Randolph Writer in Residence. *Credit hours: 1. First-year students have registration priority. Offered on a Pass/Fail basis only.*

ENGL 2263. Writing Poetry Intensive work in the writing of poetry. Reading of theory along with examples from contemporary poets as models. Primary focus on the workshopping of students' poems. *Credit hours: 4. (AE, WI)*

ENGL 2265. Writing Creative Nonfiction Intensive work in the writing of creative nonfiction. Reading of theory along with examples from contemporary writers as models. Primary focus on the workshopping of students' essays. *Credit hours: 4. Alternate years. (AE, WI)*

ENGL 2266. Writing Fiction Intensive work in the writing of fiction. Reading of theory along with examples from contemporary fiction writers as models. Primary focus on the workshopping of students' stories. *Credit hours: 4. (AE, WI)*

ENGL 2268. Professional Editing Hands-on experience with professional editing, including proofreading; developmental, line, and copy editing; and other skills applicable to book publishing, literary and trade publications, online content editing, and more. Through work on *Hail, Muse, Etc.!*, students learn the basics of producing a literary magazine, developing aesthetic judgment and the skills necessary for editorial and production responsibilities. *Credit hours: 4. Prerequisite: any ENGL course. (WI)*

ENGL 2279. Writing Plays In this course, students learn how to structure a scene, how to structure a play, how to create, hold, and release the tension of a dramatic moment through taut and convincing dialogue, how to create characters that an audience will identify with and care about. Through the reading of modern and contemporary plays, both short and full length, students will study the ways that highly accomplished playwrights solve the problems presented by a variety of dramatic situations, and will begin to implement into their own scenes and plays the elements of the craft that they discover. Identical with THTR 2279. *Credit hours: 4. Prerequisite: THTR 1142 or permission of instructor. Alternate years. (AE, WI)*

ENGL 3363. Advanced Creative Writing A workshop in the writing of poetry, fiction, creative non-fiction, and/or playwriting. Students may pursue the genre(s) of their choice. *Credit hours: 4. Prerequisite: Two of the following: ENGL*

2263; 2265, 2266; ENGL/THTR 2279; or permission of instructor. May be repeated for credit up to a maximum of twelve hours.

ENGL 3367. Pearl S. Buck Workshop An advanced creative writing workshop with varying topics and taught in conjunction with the current Pearl S. Buck Writer in Residence. *Credit hours: 4. Prerequisite: One 2200-level creative writing course (2263, 2265, 2266, or 2279 and/or permission of the Coordinator of the Creative Writing Program. English majors and creative writing minors have registration priority. May be repeated for credit.*

Senior Program Courses

ENGL 4493. Senior Seminar A course designed to help develop critical perspectives in literature. The aim is to increase understanding of such key concepts as genre, period, school, and critical approach. The course will require both essays and oral presentations. *Credit hours: 4. Prerequisite: permission of the Department.*

ENGL 4494. Senior Paper Each student will work closely with a faculty supervisor to prepare a major paper of about 25 pages. At the end of the session, faculty and students will meet as a group to hear oral presentations of the students' work. *Credit hours: 4. Prerequisite: ENGL 4493 and permission of the Department.*

English Graduate Program

The Master of Fine Arts in Creative Writing (MFA) is a two-year, low-residency, intensive degree in creative writing: poetry, fiction or nonfiction. During the two years, students complete four semesters of one-on-one mentorship and attend five ten-day residency sessions, one beginning each semester, as well as a final graduation residency at the end of the fourth semester. After the residency session, each student works with one faculty mentor for twenty weeks, completing original new writing, revising works in progress, and writing critical analysis essays.

Academic Standing: MFA

Graduate students must maintain a minimum cumulative GPA in order to meet satisfactory academic progress standards. As a part of the academic progress review each semester, graduate students must meet the good academic standing criterion defined as a cumulative grade point average of 3.0. Students who do not meet this standard will be placed on academic probation. The student must attain the appropriate minimum cumulative GPA before the next progress review or the student will be ineligible to continue at the College. Any student earning more than six hours with grades of C+ or below will be ineligible to return to the program for a minimum of one semester.

Students failing to meet the standards outlined above because of mitigating circumstances may appeal in writing for reconsideration by the Board of Review. Appeals should be submitted to the Office of the Provost of the College.

Graduation Application and Information: MFA

Master's degree candidates complete degree applications when ready to complete their program. Information obtained from the degree applications is used in the ordering of diplomas and preparing the Commencement Program. Degree completion is available in August and January.

Registration, Add/Drop, and Withdrawal from a Course See *Academic Procedures and Regulations*.

Requirements for the Degrees: MFA

Randolph College confers the Master of Fine Arts in Creative Writing degree. Requirements for the degree are:

1. A minimum of 60 credit hours of graduate coursework must be completed.
2. A maximum of 15 credit hours may be transferred to Randolph College at the graduate level.
3. All requirements, including transfer courses, must be completed within a period of six calendar years.
4. The student must earn a cumulative grade point average of 3.0 (rounded) both for all courses taken for a grade and for all courses counted toward major requirements. Only one course with a grade of C+ or below will count toward degree requirements. Students may appeal to the Board of Review.

Master of Fine Arts in Creative Writing

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|-------------------------------|---|---------------------|
| <i>One of the following:</i> | | 15 |
| ENGL 6601 | Poetry Workshop I | |
| ENGL 6603 | Fiction Workshop I | |
| ENGL 6605 | Nonfiction Workshop I | |
| <i>One of the following:*</i> | | 15 |
| ENGL 6641 | Poetry Workshop II | |
| ENGL 6643 | Fiction Workshop II | |
| ENGL 6645 | Nonfiction Workshop II | |
| <i>Required:</i> | | |
| ENGL 6670 | Creative Writing Workshop III and Applied Criticism | 15 |
| ENGL 6690 | Thesis Workshop | 14 |
| ENGL 6691 | Thesis Residency | 1 |
| Total for MFA Degree | | 60 |

* In rare circumstances, students working on hybrid texts may be allowed to complete a Workshop II course in a genre different from the genre for Workshop I. Students focusing in more than one genre or adding additional workshop or thesis courses may complete the program with up to 90 credits.

Graduate English Courses

ENGL 5588. Independent Study In this variable credit course, a student undertakes a creative or critical project to fulfill specific, individualized learning objectives. *Credit hours: 1-6. Prerequisite: permission of instructor and MFA Director.*

ENGL 5591. Additional Residency The residency course is for students who are not taking a full semester of workshop after the residency but who desire to attend residency and participate in lectures, readings, conversations, and other aspects of residency. This additional course is not required for the program and may only be taken with permission. *Credit hours: 1.*

ENGL 6601. Poetry Workshop I This poetry workshop introduces students to graduate-level poetry writing, reading, and practical criticism. The semester begins with a ten-day residency of lectures, discussions, panels, workshops, and readings. Students finish the residency with an individualized study plan for a semester of reading deeply, writing creatively, and revising intentionally, all under the one-on-one guidance of a faculty mentor. *Credit hours: 15. May be repeated for credit.*

ENGL 6603. Fiction Workshop I This fiction workshop introduces students to graduate-level fiction writing, reading, and practical criticism. The semester begins with a ten-day residency of lectures, discussions, panels, workshops, and readings. Students finish the residency with an individualized study plan for a semester of reading deeply, writing creatively, and revising intentionally, all under the one-on-one guidance of a faculty mentor. *Credit hours: 15. May be repeated for credit.*

ENGL 6605. Nonfiction Workshop I This nonfiction workshop introduces students to graduate-level literary nonfiction writing, reading, and practical criticism. The semester begins with a ten-day residency of lectures, discussions, panels, workshops, and readings. Students finish the residency with an individualized study plan for a semester of reading deeply, writing creatively, and revising intentionally, all under the one-on-one guidance of a faculty mentor. *Credit hours: 15. May be repeated for credit.*

ENGL 6641. Poetry Workshop II This second workshop builds upon the student's progress in the first poetry workshop, deepening their understanding and experience of craft, criticism, research, revision, voice, and imagery. As in the first workshop, the semester begins with a ten-day, preparatory residency and continues with one-on-one mentorship. This second semester adds the additional requirement of regular peer workshoping and explorations in contemporary publishing. *Credit hours: 15. May be repeated for credit.*

ENGL 6643. Fiction Workshop II This second workshop builds upon the student's progress in the first fiction workshop, deepening their understanding and experience of craft, criticism, research, revision, voice, and imagery. As in the first workshop, the semester begins with a ten-day, preparatory residency and continues with one-on-one mentorship. This second semester adds the additional requirement of regular peer workshoping and explorations in contemporary publishing. *Credit hours: 15. May be repeated for credit.*

ENGL 6645. Nonfiction Workshop II This second workshop builds upon the student's progress in the first nonfiction workshop, deepening their understanding and experience of craft, criticism, research, revision, voice, and imagery. As in the first workshop, the semester begins with a ten-day, preparatory residency and continues with one-on-one mentorship. This second semester adds the additional requirement of regular peer workshopping and explorations in contemporary publishing. *Credit hours: 15. May be repeated for credit.*

ENGL 6670. Creative Writing Workshop III and Applied Criticism The applied criticism semester builds upon the previous genre workshops, requiring an initial residency session and regular creative writing, reading, and workshopping with one-on-one mentorship. The major project of the third semester is the completion of a substantial essay incorporating applied criticism and craft analysis, as well as theory, publishing, translation, literacy, and/or pedagogy. *Credit hours: 15.*

ENGL 6690. Thesis Workshop The thesis workshop semester begins with a preparatory residency and continues with a full semester of work on the MFA thesis: the completion of a book-length work of poetry, fiction, or nonfiction. In the event that the thesis shows progress but would benefit from additional work, the thesis workshop may be repeated up to three times for credit. *Credit hours: 14. May be repeated for credit.*

ENGL 6691. Thesis Residency The thesis residency is taken after the completion of all other coursework in the program. During this final residency students present a public reading of their work and a craft lecture, defend their thesis, engage with industry professionals, shape their post-MFA plans, and graduate from the program. *Credit hours: 1.*



ENVIRONMENTAL STUDIES AND SCIENCE

Faculty: Sarah L. Sojka, Karin P. Warren

The world's great issues do not have disciplinary boundaries, and neither should your mind. To pursue life work in the realm of the environment, you must grasp the complex interactions that characterize today's most pressing environmental problems, which lie at the nexus of natural sciences, social sciences, and humanities. The Environmental Program at Randolph College provides a rigorous, interdisciplinary course of study, enriched with research and practical experiences. Many academic opportunities are available to environmental majors, such as the Natural History and Archeology Collections Project, the Randolph College Organic Garden, the Marine Biological Laboratory in Environmental Science at Woods Hole Oceanographic Institute, summer and semester fieldwork, and off-campus and study-away options. The degree programs provide the knowledge base and the practical skills needed for graduate or professional school, private consulting, public advocacy or administration, and careers with government agencies and laboratories, as well as non-governmental organizations. Minors in Environmental Studies & Sustainability and in Environmental Science and Analysis are appropriate for students in any major who wish to add an environmental or sustainability perspective to their chosen field. Students majoring in environmental studies or environmental science are encouraged to pursue a minor in a relevant discipline like biology, business, chemistry, media and culture studies, creative writing, data science, economics, engineering, global studies, computer science, mathematics, political science, psychology, or studio art. In particular, students with an interest in conservation are encouraged to minor in biology with courses including botany, zoology, and ecology, and those interested in technical careers to minor in chemistry, computer science, data science, or engineering.

Environmental Studies Major – BA

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|---|---------------------|
| <i>Required:</i> | | |
| EVST 1101 | Environmental Systems and Solutions | 4 |
| EVST 1104-1104L | Ecosphere and Environmental Issues and Lab | 4 |
| EVST 2201 | Quantitative Aspects of Global Environmental Problems | 4 |
| EVST 2205 | Research Design and Geographic Information Systems | 4 |
| EVST 2215 | Water Resources | 4 |
| EVST 2250 | Sustainability Principles and Practice | 4 |
| EVST 3315 | Energy and Society | 4 |
| EVST 3325-3325L | Climate Dynamics and Global Change and Lab | 4 |
| EVST 3326 | Environmental Problems: History and Culture | 4 |
| <i>One of the following:*</i> | | |
| Experiential Learning (EX L) in an appropriate area | | 0-2 |

| | | |
|---|---|--------------|
| EVST 3394 | Research in Environmental Studies and Science | 0-2 |
| <i>Senior Program</i> | | |
| EVST 4495 | Senior Seminar I | 4 |
| EVST 4496 | Professional Development Seminar | 1 |
| Total for BA Degree in Environmental Studies | | 41-43 |

**With departmental approval, an appropriate non-credit Summer internship or research program or Honors in the major may be substituted for this requirement.*

Environmental Science Major – BS

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|---|---------------------|
| <i>Required:</i> | | |
| EVST 1101 | Environmental Systems and Solutions | 4 |
| EVST 1104-1104L | The Ecosphere and Environmental Issues and Lab | 4 |
| EVST 1117-1117L | Physical Geology and Lab | 4 |
| EVST 2201 | Quantitative Aspects of Global Environmental Problems | 4 |
| EVST 2205 | Research Design and Geographic Information Systems | 4 |
| EVST 2215 | Water Resources | 4 |
| EVST 3315 | Energy and Society | 4 |
| EVST 3325-3325L | Climate Dynamics and Global Change and Lab | 4 |
| CHEM 1105-1105L, 1106-1106L | General Chemistry and Lab | 8 |
| <i>One of the following:</i> | | 4 |
| CHEM 2235-2235L | Environmental Chemistry and Analysis and Lab | 8 |
| CHEM 2245 | Environmental Chemistry of Energy/Atmosphere | |
| <i>Two of the following:</i> | | 8 |
| MATH 1149 | Calculus I | |
| MATH 2227 | Elementary Applied Statistics | |
| DSCI/MATH 2232 | Introduction to Data Science | |
| PHYS 1105-1105L | Introductory Physics and Lab I | |
| PHYS 1106-1106L | Introductory Physics and Lab II | |
| PHYS 1115-1115L | General Physics and Lab I | |
| PHYS 1116-1116L | General Physics and Lab II | |
| PHYS 2256 | Green Engineering Design | |
| <i>One of the following: *</i> | | |
| Experiential Learning (EX L) in an appropriate area | | 0-2 |
| EVST 3394 | Research in Environmental Studies | 0-2 |
| <i>Senior Program</i> | | |
| EVST 4495 | Senior Seminar | 4 |
| EVST 4496 | Professional Development Seminar | 1 |
| <i>Total for BS Degree in Environmental Science</i> | | <i>57-59</i> |

**With departmental approval, an appropriate non-credit Summer internship or research program or Honors in the major may be substituted for this requirement.*

Environmental Science & Analysis Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|------------------------------|---|---------------------|
| <i>Required:</i> | | |
| EVST 1101 | Environmental Systems and Solutions | 4 |
| EVST 2201 | Quantitative Aspects of Global Environmental Problems | 4 |
| EVST 2205 | Research Design and Geographic Information Systems | 4 |
| <i>One of the following:</i> | | 4 |
| EVST 1104-1104L | The Ecosphere and Environmental Issues and Lab | |
| EVST 1117-1117L | Physical Geology and Lab | |
| <i>One of the following:</i> | | 4 |
| CHEM 2235-2235L | Environmental Chemistry and Analysis and Lab | |
| CHEM 2245 | Environmental Chemistry of Energy/Atmosphere | |

| | |
|-----------------|--|
| EVST 2215 | Water Resources |
| EVST 3315 | Energy and Society |
| EVST 3325-3325L | Climate Dynamics and Global Change and Lab |
| MATH 2232 | Data Science |
| PHYS 2256 | Green Engineering Design |

Total for Minor in Environmental Science and Analysis Minor

20

Environmental Studies & Sustainability Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|--|---------------------|
| <i>Required:</i> | | |
| EVST 1101 | Environmental Systems and Solutions | 4 |
| EVST 1104-1104L | The Ecosphere and Environmental Issues and Lab | 4 |
| EVST 2250 | Sustainability Principles and Practice | 4 |
| <i>Two of the following</i> | | 8 |
| CPHL 3361 | Environmental Philosophy | |
| ECON 2220 | Environmental Economics | |
| EVST 2215 | Water Resources | |
| EVST 3315 | Energy and Society | |
| EVST 3325-3325L | Climate Dynamics and Global Change and Lab | |
| EVST 3326 | Environmental Problems: History and Culture | |
| Total for Minor in Environmental Studies & Sustainability | | 20 |

Environmental Studies Courses

EVST 1101. Environmental Science: Systems and Solutions A natural science-based introduction to current environmental issues and the science central to understanding them, including scientific method, systems theory, principles of critical thinking, sustainability basics, population dynamics, biogeochemical cycles, water and air pollution, energy resources, and global climate change. The course combines informational lectures, readings, and media with in-class activities, discussion, case study analysis, and field work designed to highlight the diversity of environment-related problems and the importance of critical thinking and scientific analysis. *Credit hours: 4. Offered: Fall. (CI)*

EVST 1104. The Ecosphere and Environmental Issues Climate change, deforestation, and water pollution all impact natural ecosystems. This class will cover ecological concepts such as biogeochemical cycles, speciation, and biodiversity in the context of current environmental issues. *Credit hours: 3. Alternate years: offered Spring 2023. (NS)*

EVST 1104L. The Ecosphere and Environmental Issues Laboratory Students will gain scientific knowledge about ecological principles and see how scientific theory can be applied to environmental issues. *Credit hours: 1. Corequisite or prerequisite: EVST 1104. Alternate years: offered Spring 2023. (NS)*

EVST 1117. Physical Geology Physical Geology is the study of the earth, its structure and composition, and the processes that shape it. This course offers an overview of geologic time, plate tectonics, volcanism, earthquakes, mountain building, weathering, erosion, soils, and the origin of minerals and rocks. *Credit hours: 3. Alternate years: offered Spring 2022. (NS)*

EVST 1117L. Physical Geology Laboratory The laboratory provides hands-on exploration of physical geology topics and concepts, and will include rock and mineral identification, the use of geologic maps, data analysis, and field work. *Credit hours: 1. Alternate years: offered Spring 2022. (NS)*

EVST 2201. Quantitative Aspects of Global Environmental Problems An interdisciplinary, quantitative approach to understanding environmental issues. Students will learn practical applications of methods used to assess environmental problems including estimation techniques, box modelling, and visual displays of data. Topics include transport and fate of persistent pollutants, impact of human activities on climate, climate feedbacks, air pollution, acid deposition, and other disruptions of biogeochemical cycles. *Credit hours: 4. Prerequisite: EVST 1101 or EVST 1104 or permission of instructor. Offered Spring. (QR)*

EVST 2205. Research Design and Geographic Information Systems This course provides students with a basic understanding analysis techniques in environmental science. The course is focused on an introduction to ArcGIS as well as

experimental design and data analysis. *Credit hours: 4. Prerequisite: one of the following EVST 1101, EVST 1104-1104L, or other introductory class in natural science, or PSYC 1105, or permission of instructor. Alternate years: offered Fall 2022.*

EVST 2215. Water Resources Water is critical for human health, agriculture, electricity generation, and more, and many of our water resources are threatened by climate change, pollution and overuse. In this class, students will study how water moves in the environment, water policy, water use and threats to water supply. The class will also look at the history of water use and water use conflicts. *Credit hours: 4. Prerequisite: sophomore standing. Alternate years: offered Fall 2021.*

EVST 2250. Sustainability Principles and Practice This course surveys the three realms of sustainability—economic, environmental, and social equity—and considers current global trends in these areas and tools for implementing and assessing sustainability. We explore applications of the principles of sustainability in food production, energy and resources, corporate management, consumption and waste, green architecture, and sustainable community planning. Students employ problem-based learning, and develop practical skills and professional tools. Sustainability professionals share their experiences during guest lectures. *Credit hours: 4. Prerequisite: EVST 1101, EVST 1104, or sophomore standing or permission of instructor. Alternate years: offered Spring 2022. (SS)*

EVST 3315. Energy & Society An interdisciplinary survey of human energy use, including its history, origins, constraints, consequences, and possible future scenarios. Students will develop analytical skills for addressing questions about energy, and will examine issues of sustainable energy futures, electric utility deregulation and restructuring, transportation policy, energy efficiency, environmental impacts of energy and resource use, and climate change and mitigation. *Credit hours: 4. Prerequisite: EVST 1101 and 2201 or permission of instructor. Alternate years: offered Spring 2023.*

EVST 3325. Climate Dynamics and Global Change In this course students examine the structure and dynamics of the earth's atmosphere, ocean, and biosphere, and how they interact to drive changes in weather and climate. Topics include weather systems and forecasting, general circulation of the ocean and the atmosphere, paleoclimatological methods, historical climate change, natural climate forcing, regional climate variability such as the El Nino- Southern Oscillation, anthropogenic climate change, and mathematical modeling of climate. *Credit hours: 3. Prerequisite: EVST 1101 and 2201 or permission of instructor. Alternate years: offered Fall 2021. (NS)*

EVST 3325L. Laboratory in Climate Dynamics and Global Change The laboratory provides a hands-on approach to field work and scientific inquiry, including use of weather forecasting products and instrumentation, remote sensing, and climatological data. *Credit hours: 1. Corequisite: EVST 3325. Alternate years: offered Fall 2021. (NS)*

EVST 3326. Environmental Problems: History and Culture The course grounds students in the literature of environmental history in order to provide a cultural and historical framework for analysis of contemporary environmental problems, from the local to the global. Students evaluate the origin, scientific significance, and challenges of some of today's most pressing environmental concerns. Special attention is given to the role and contribution of women in environmental history and the historical roots of environmental justice. *Credit hours: 4. Prerequisite: EVST 1101 and 1102; junior standing; or permission of instructor. Alternate years: offered Fall. (HE, WI)*

EVST 3394. Research in Environmental Science The student will participate in a research project in environmental science in conjunction with a faculty member, in an area of mutual interest. Research projects will vary from session to session and with different faculty members. The student will gain experience in research and problem solving methods and refine laboratory and field techniques. Research results are written up in formal reports and in some cases will be published and/or presented at local, regional, or national conferences. *Credit hours: 1, 2, or 3. Prerequisite: permission of instructor. May be repeated for credit up to a maximum of nine hours.*

EVST 4495. Senior Seminar Students critically evaluate scholarly articles from peer-reviewed environmental journals, gain expertise in researching and writing a literature survey, in their chosen area of focus, and hone oral presentation skills. *Credit hours: 4. Prerequisite: senior standing.*

EVST 4496. Professional Development Seminar A forum on the environmental realm. Guest speakers include environmental professionals from government, non-profit organizations, and consulting firms. Students gain practical experience to prepare for employment in environmental studies and science. Certification programs, training modules, and continuing education options will be discussed. *Credit hours: 1. Prerequisite: senior standing. Pass/Fail only.*



FILM STUDIES

Interdisciplinary Minor Coordinator: Jennifer L. Gauthier

Film Studies Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|--------------------------------|---------------------|
| <i>Required:</i> | | |
| MAC/ARTH 2277 | American Movies | 4 |
| <i>Choose one of the following:</i> | | 4 |
| MAC 3310 | Contemporary Issues I | |
| MAC 3311 | Contemporary Issues II | |
| <i>Three of the following*:</i> | | 12 |
| CHIN 1105 | Chinese Culture Through Film | |
| MAC/ARTS 2279 | Digital Filmmaking | |
| MAC 3344 | Race and Hollywood | |
| MAC/ARTH 3380 | Global Media and Society | |
| MAC/ARTH 3382 | Studies in the Film | |
| MAC/ARTH 3384 | Documentary History and Theory | |
| CPHL 1128 | Hinduism and Visual Culture | |
| Total for Minor in Film Studies | | 20 |

**In consultation with the advisor, an appropriate course taught in another department may be substituted for one of these classes.*



GENDER STUDIES

Interdisciplinary Minor Coordinator: Jennifer L. Gauthier

One purpose of a liberal arts education is to teach students to think about their place in society using perspectives from the social sciences, the humanities, and the sciences. The courses in this program focus on the importance of gender in society and culture and draw upon the insights and methodologies of a wide range of academic disciplines. To this end, students are required to take courses in at least three departments to fulfill the minor requirements.

Gender Studies Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|--|---------------------|
| <i>Required:</i> | | |
| G ST 2202 | Introduction to Gender Studies | 4 |
| <i>One of the following*:</i> | | 4 |
| PSYC 2212 | Psychology of Gender | |
| SOC 2276 | Sociology of Gender | |
| <i>One of the following**:</i> | | 4 |
| ENGL 3364 | Feminist Literary Theory | |
| MAC 3330 | Feminist Rhetorical Theory | |
| SOC 3355 | Black Feminist Theory | |
| <i>Two of the following, from different departments**:</i> | | 8 |
| ARTH/ENGL 3378 | Gender in Renaissance Art and Literature | |
| CLAS 1132 | Classical Mythology | |
| CPHL 2268 | Gender and Buddhism | |
| DANC 2226 | History of Dance II | |
| ENGL 1111 | Writing Women | |
| ENGL 3338 | The Prostitute in Literature | |
| G ST 3301 | Topics in Gender Studies | |
| HIST 2237 | American Women's History | |
| MAC 2220 | Media and Masculinities | |

| | |
|-----------|---------------------------------------|
| MUSC 2227 | Women in Music |
| POL 2201 | Trafficking: Where Global Meets Local |
| POL 2222 | Gender Politics in Asia |
| PSYC 2205 | Social Psychology |
| SES 2262 | LGBTQ+ Issues in Sport |
| SOC 2218 | Family and Kinship |

Total for the Gender Studies Minor

20

* Both may be taken to fulfill the minor, replacing one from the electives list.

** Additional GST or gender-related one-time only and special topic courses may be substituted with permission of the coordinator.

**One-time only and special topic courses may be substituted with permission of the coordinator.

Gender Studies Courses

G ST 2202. Introduction to Gender Studies An introduction to the interdisciplinary field of Gender Studies. Students will study the history and evolution of the field of Gender Studies from the 1980s to the present. This will include analysis of the concepts of gender inequality in all its forms, gender identity, gender representation and performance, the social and cultural constructions of gender and the historic gender binary, intersectionality, and the importance of gender and identity politics. An experiential learning component of this course will engage students in the town/society/culture around them. *4 credits*.
Prerequisite: sophomore standing. Offered Fall 2022.

G ST 3301. Topics in Gender Studies An examination of a topic of theme in the field of gender studies reflecting the research interests of the expertise of a faculty member or a visiting scholar. *Credit hours: 4. Prerequisites: junior standing and G ST 2202 or permission of instructor.*



GEOGRAPHY

Geography Courses

GEO 2203. Survey of World Geography This course encompasses a study of geography throughout the major regions of the world. Attention is given to the physical processes that shape the surface of the earth and to the relationship between human activity and the physical environment. In addition, the course will explore how political forces influence the division and control of the earth's resources. Maps, along with other geographic representations, tools, and techniques, will be used to demonstrate critical analysis of techniques for representation and presentation of information. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Identical with POL 2205. (CI)*



GLOBAL STUDIES

Interdisciplinary Major Chair: Mari Ishibashi

The global studies program prepares students for work in key areas of world affairs, including global political forces, the international economy, and issues on the global agenda. The program emphasizes a core knowledge base, choice in the student's area of interest, and essential skills, including language proficiencies, intercultural communication, and problem-solving, all of which are necessary for success in today's labor market. Practical training takes place through participation in National Model United Nations, intercultural exchanges, and internship opportunities. Graduates are prepared for graduate and law school and for work in the public, private, and non-governmental sectors in careers that call for a global perspective.

Global Studies Major

Courses

Course Title

Credit Hours

Required:

| | | |
|-----------|---------------------------------------|---|
| ECON 1101 | Principles of Macroeconomics | 4 |
| POL 1113 | International Relations | 4 |
| POL 2231 | Research Methods in Political Science | 4 |

One of the following:

| | | |
|----------|---------------------------------------|---|
| POL 2201 | Trafficking: Where Global Meets Local | 4 |
| POL 2225 | Contemporary Issues in Global Health | |

*Four Issue Focus Courses**

16

Students choose an issue area in consultation with advisor. Two of the courses must be at least at the 3300-level and three courses must be in political science.

*Language***

0–16

Senior Program

| | | |
|----------|---|---|
| POL 4493 | Global Studies/Political Science Senior Seminar | 4 |
| POL 4495 | Global Studies/Political Science Capstone | 4 |

Total for BA Degree in Global Studies**40-56**

- Only two courses used in fulfilling the requirements for a second major in a contributing discipline can be used in the Global Studies major.
- At least 3 courses must come from Political Science.
- At least 3 courses must be at the 2200-level and up
- Twenty hours of the courses in the major, including POL 4496, must be completed in residence at Randolph College.

**Students, in close consultation with their advisor, identify a focus area that covers a global issue of interest. Possible focus areas include but are not limited to human rights, environmental sustainability, gender, conflict/war and its resolution, security, and diplomacy. Students should do a close reading of course descriptions and complete the Request for Course Credit in the Global Studies Focus Area. Courses taken abroad and on other campuses within the U.S. are eligible for inclusion; topics courses offered on a one-time-only basis may also be eligible.*

***Intermediate-level proficiency in a modern language other than English is required. The student can demonstrate this proficiency either through coursework by earning a placement score beyond the intermediate level or by completing an intermediate-level language course. The student who has completed secondary education at a school whose language of instruction is other than English can seek an exception to this language requirement.*

Global Studies Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|--|---------------------|
| <i>Required:</i> | | |
| ECON 1101 | Principles of Macroeconomics | 4 |
| POL 1113 | International Relations | 4 |
| POL 2201 | Trafficking: Where Global Meets Local | 4 |
| POL 3332 | Global Politics of Extremism | |
| or POL 3365 | War and Peace | 4 |
| <i>*One course that encourages a global perspective, including but not limited to:</i> | | 4 |
| ARTH/MAC 3380 | World Cinema | |
| CPHL 3361 | Environmental Philosophy | |
| ECON 2219 | International Economics | |
| ECON 2220 | Environmental Economics | |
| EVST 2250 | Sustainability Principles and Practice | |
| POL 1106 | Rights of a Child | |
| POL 1107 | Peace and Conflict Resolution | |
| POL 2220 | Global Issues at the United Nations | |
| SOC 2216 | Contemporary Social Problems | |
| Total for Minor in Global Studies | | 20 |

**Course to be selected during advising.*

Special Programs

Majors are encouraged to develop skills for good citizenship through community service and engagement. Majors are also encouraged to study and/or intern off campus to complement their program of study and career goals. See *Study Abroad*.



GREEK: SEE *WORLD LANGUAGES, LITERATURES, AND CULTURES*



HISTORY

Faculty: Selda Altan, Chelsea Berry, Connor Kenaston, Gerard F. Sherayko

The history program focuses not only on historical events, individuals, and institutions, but also on methodology, analysis and interpretation, and the critical examination of sources. Faculty employ various approaches to show the diversity of historical study. All courses include assignments designed to develop analytical and critical skills and the ability to present arguments based on evidence. The acquisition of an effective, clear style of written and oral expression is emphasized. The practical knowledge and skills acquired by the history major are respected by business, government, and professional and graduate schools.

In consultation with the staff, the major is encouraged to develop a field within the Department, specializing in a geographic region, in a period such as eighteenth- or nineteenth-century history, or in a thematic area such as women's history or social/cultural history.

History Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--------------------------------------|---|---------------------|
| <i>One American History courses:</i> | | 4 |
| HIST 1111 | Intro to Public History | |
| HIST 1141 | U.S. History from Colonial to the Present | |
| HIST 1145 | African Americans and the Construction of America | |
| HIST 2237 | American Women's History | |
| HIST 3337 | Topics in N. American Social/Cultural History | |
| <i>One European History courses:</i> | | 4 |
| HIST 1101 | Europe to 1750 | |
| HIST 1102 | Modern Europe 1750–1900 | |
| HIST 1104 | Modern Europe 1900–Present | |
| HIST 1115 | The Holocaust | |
| HIST//CLAS 1180 | Mediterranean Empires | |
| HIST 2203 | Modern Germany, 1789–1918 | |
| HIST 2204 | Modern Germany, 1918–Present | |
| HIST 2277 | Russian History, 9th–19th Century | |
| HIST 2278 | Russian History, 1900–Present | |
| HIST 3301 | Topics in Modern European History | |
| <i>One Asian History course:</i> | | 4 |
| HIST 1123 | East Asia to 1600 | |
| HIST 1124 | East Asia 1600 to Present | |
| HIST 2221 | Modern China | |
| HIST 2222 | Modern Japan | |
| HIST 2226 | History of the Middle East | |
| HIST 2230 | Chinatowns in the US | |
| HIST 3307 | Topics in Asian History | |
| <i>One Atlantic History course</i> | | 4 |
| HIST 1167 | The Atlantic World, 1492–1888 | |
| HIST 2258 | African History: From Early Times to the Present | |
| HIST 3308 | Topics in Atlantic History | |
| <i>Required:</i> | | |
| HIST 3393 | Methods in History | 4 |

| | |
|---|---------------------------|
| <i>Three additional History courses other than those selected above</i> | 12 |
| <i>Senior Program</i> | 8 |
| HIST 4495 | Senior Capstone: Research |
| HIST 4496 | Senior Capstone: Writing |
| <i>Total for BA Degree in History</i> | 40 |

- *A maximum of twelve hours of history courses at the 1100 level can be used to fulfill major requirements.*
- *A minimum of four hours of coursework at the 3300-level in addition to HIST 3393 is required.*

History Minor

| | |
|--|-----------|
| <i>Total for Minor in History</i> | 20 |
|--|-----------|

- *Twelve credit hours toward the minor must be completed at Randolph College.*
- *A minimum of eight hours above 2200-level, four hours of which must be 3300 or above.*

Special Programs

Majors in the Department are encouraged to participate in endorsed programs abroad.

History Courses

American History Courses

HIST 1111. Introduction to Public History What is public history, and why does it matter? Who authors the narratives found on historical markers, memorials, and in museum exhibits? How do these public media shape our collective consciousness? This course draws from the historical, theoretical, and practical applications of the field through readings, discussions, lectures, and field trips. *Credit hours: 4. Offered Fall, Session 2. (HE)*

HIST 1141. United States History from Colonial to the Present This course provides a historical perspective on major themes in US history from the colonial period to the present. It does not offer a comprehensive survey but will provide historical background on many important topics, including foreign policy, race relations, labor, immigration, social policy, and social movements. Students will learn how to read, use, and evaluate a wide range of primary historical sources. They will identify different methods of historical inquiry and gain an appreciation for how history structures our daily lives. *Credit hours: 4. Offered Fall, Session 1. (CI, HE)*

HIST 1145. African Americans and the Construction of America This course explores African American history from 1619 to the present, with particular focus on the ways African Americans shaped American culture and resisted white supremacy. Throughout the semester, we will examine a range of historical events and movements, including slavery, abolition, the Civil War and Reconstruction, the Harlem Renaissance, and the Civil Rights, Black Power, and Black Lives Matter Movements. Further, in this course, we will interrogate the construction of race in America through an intersectional lens. *Credit hours: 4. Offered Fall, Session 2. (CI, HE)*

HIST 2237. American Women's History An exploration of American women, focusing on women's evolving roles, work and status; family construction; sexual attitudes and behaviors; reproductive patterns and rights; and the development and impact of feminist consciousness. The course is alert to regional, ethnic, ideological, and class diversity among American women. Focus of historical periods may vary. *Credit hours: 4. Offered Spring, Session 3 Prerequisite: sophomore standing or permission of instructor. (CI, HE)*

HIST 3337. Topics in North American Social and Cultural History A seminar on a topic in the social and cultural history of North America from the colonial period to the twentieth century. *Credit hours: 4. May be repeated for credit when the topic differs. Prerequisite: sophomore standing or permission of instructor.*

Asian History Courses

HIST 1123. East Asia to 1600 A survey of the civilizations of China, Japan, and Korea from roughly 2000 BCE to 1600 CE. *Credit hours: 4. (CI, HE)*

HIST 1124. East Asia 1600 to Present The course is a continuation of East Asia to 1600. It introduces students to social and political change in East Asia from 1600 to present. The course complements modern histories of China and Japan with the history of Korea and presents a comparative and transnational perspective. *Credit hours: 4. (CI, HE, WI)*

HIST 2221. Modern China An introductory survey of the history of modern China from the early 19th century to the present that will examine the shifting contours of China's social fabric, political identity, and international position. The course will focus equally on the Qing Dynasty, Republic of China, and post-1949 People's Republic of China under the Communist regime. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. (CI, HE)*

HIST 2222. Modern Japan An introductory survey of the history of modern Japan from the mid-19th century to present that will begin with the Meiji Restoration and end with the Fukushima disaster of 2011. The course will examine Japan's rapid modernization and its consequences, focusing on Japan's shifting domestic identities, international position, and socioeconomic developments. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. (CI, HE)*

HIST 2226. History of the Middle East A selective survey of Middle Eastern history from the time of Muhammad until the present. Primary emphasis is on the Islamic Middle East, although the course will also be concerned with the establishment of Israel. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. (CI, HE)*

HIST 2230. Chinatowns in the US Chinatowns have become a permanent feature of American urban life since the early nineteenth century. Yet, they are still the most mysterious and least understood social spaces with distinct histories of race, migration, and diaspora life. This course explores the history of American Chinatowns to understand the political Economy of Chinese migrations to the US, the formation of Chinese diaspora communities in major US cities, Chinese-American food culture and crime scenes, and the problems of integration and assimilation. *Credit hours: 4. Offered Fall, Session 2. (CI, HE)*

HIST 3307. Topics in Asian History Concentrated reading and discussion on a specific theme or set of themes in Asian history. Topics will be selected in advance and will vary from year to year. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. May be repeated for credit when topic differs.*

Atlantic History Courses

HIST 1167. The Atlantic World, 1492-1888 Christopher Columbus' 1492 voyage created the first sustained link between the eastern and western Atlantic, opening new worlds of possibility, transformation, and unforeseen consequences that continue to reverberate today. This course explores the history of the Atlantic World, and the peoples from Europe, Africa, and the Americas who lived it. Topics include encounters, cultural adaptations, slavery, circulation, and revolutions. *Credit hours: 4. (WI, CI, HE)*

HIST 2258. African History: From Early Times to the Present This course will examine changes over time in Africa from the ancient period through the present. Topics will include the Swahili Coast, Empires of the Middle Ages, the Transatlantic Slave Trade, Colonialism, Decolonialism, and Post-Colonial Africa. We will investigate the distinct regional histories of Africa, as well as the connections between them and to Indian Ocean, Atlantic, and trans-Saharan networks. *Credit hours: 4. Offered. Spring, Session 4. (CI, HE, WI)*

HIST 3308. Topics in Atlantic History Concentrated reading and discussion on a specific topic or theme in Atlantic history. Topics will be selected in advance and will vary from year to year. *Prerequisite: sophomore standing or permission of the instructor. Offered Spring, Session 4. Credit hours: 4.*

Fall 2023, Session 4: Drugs, Plants, and Power in the Atlantic World

"Drugs" in the early modern Atlantic included a wide range of medicinal, spiritual, and recreational goods used by Africans, Europeans, and Amerindians. Each topic in this class will focus on the history of a different plant-based "drug"—including peyote, cannabis, tobacco, chocolate, and coffee—and the power relationships involved in their production, consumption, and circulation along global trade networks. *Credit hours: 4.*

European History Courses

HIST 1101. Europe to 1750 This course will introduce the main social, political, economic, and cultural forces that shaped and reshaped European societies and Europe's relationship to the world in this period. Topics for discussion and study include the institutions of medieval Europe, the Renaissance, the Reformation, the emergence of modern commercial capitalism, the English Revolutions, and the Enlightenment. *Credit hours: 4. Offered Spring, Session 3. (HE)*

HIST 1102. Modern Europe from 1750 to 1900 Between 1750 and 1900 most of the characteristics associated with the “modern world” became established facts of life in much of Europe. This course will introduce the main social, political, economic, and cultural forces that transformed European societies and led to an era of European domination of much of the globe. Topics include the Industrial Revolution, the French Revolution, nationalism and the unification of Italy and Germany, imperialism, the emergence of modern feminism, and socialism. *Credit hours: 4. (HE)*

HIST 1104. Modern Europe from 1900 to the Present This course explores European political, social, cultural and economic history from the turn of the twentieth century to today. Students will examine topics such as the Great War and its aftermath, the rise of Communism and Nazism, the Second World War, the Holocaust, the Cold War, the collapse of the Soviet Bloc, the impact of history and memory on European society, and the problems and possibilities facing Europe today. *Credit hours: 4. Offered Spring, Session 4. (HE)*

HIST 1115. The Holocaust This course will examine Nazi Germany’s systematic murder of Europe’s Jews and other minorities during the Second World War. Topics to be covered include the history of racism and anti-Semitism, Nazi racial policies, the mindset of perpetrators and bystanders, the variety of experiences of the victims, and memory after Auschwitz. *Credit hours: 4. Alternate years: offered Spring 2024. (HE)*

HIST 1180. Mediterranean Empires This is a survey course covering the history of the Mediterranean from the introduction of agriculture (c. 9000 BCE) to the rise of Islam (632 CE). The course considers the cultural, political, and social history of the region across this period, paying particular attention to the Greeks and Romans. *Credit hours: 4. Identical with CLAS 1180. Alternate years. (HE)*

HIST 2203. Modern Germany, 1789–1918 This course explores German political, social, economic, and cultural history from the French Revolution through the First World War. Students will examine topics such as the impact of the French Revolution on the German lands, the conservative reaction after the downfall of Napoleon, the revolutions of 1848, the establishment of the German Empire, the emergence of modern culture and mass politics, and the outbreak of the First World War. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years: offered Fall, 2022, Session 1. (HE, WI)*

HIST 2204. Modern Germany, 1918 to the Present This course explores German political, social, economic, and cultural history from the First World War to the present. Students will examine topics such as the impact of World War I, the Weimar Republic, the Third Reich, World War II, the Holocaust, the Cold War, the division and reunification of Germany, the impact of history and memory on German society, and the problems and possibilities facing Germany today. The course includes a required field trip to the U.S. Holocaust Memorial Museum in Washington, D.C. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years: offered Spring, 2023, Session 3. (HE, WI)*

HIST 2277. Russian History, Ninth through the Nineteenth Century This course explores Russian political, social, economic, and cultural history from the founding of Kievan Russia through the beginning of Nicholas II’s reign. Students will examine topics such as the impact of the Mongol invasion, the rise of Muscovy, the reigns of Ivan the Terrible, Peter the Great and Catherine the Great, the impact of the Napoleonic Wars, and developments in the Russian Empire as its leaders and people faced the changing, modernizing world of the nineteenth century. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years: offered Fall 2023, Session 1. (HE, WI)*

HIST 2278. Russian History, 1900–Present This course explores Russian political, social, economic, and cultural history from the turn of the twentieth century to today. Students will examine topics such as the Revolution of 1905, World War I, the Bolshevik Revolution, the reign of Joseph Stalin, World War II, the Cold War, the collapse of the Soviet Union, and the problems and possibilities facing Russia today. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years: offered Spring 2024, Session 3. (HE, WI)*

HIST 3301. Topics in Modern European History Concentrated reading and discussion on a specific theme or themes in modern European history. Topics will be selected in advance. Themes/topics will vary from year to year. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. May be repeated for credit when topic differs.*

Fall 2022, Session 1: Disasters: Death, Destruction, and the Human Experience

Throughout history humanity has faced a series of catastrophic events that have been designated as “disasters.” While many of these calamities have been seen as “natural,” often humans have contributed to their causes and ignored signs that worsened their impact. Through examining case studies including the Irish Potato Famine, the Galveston

Hurricane, the Dust Bowl, Chernobyl, the AIDS crisis, and Hurricane Katrina, this seminar looks at the causes, course, and lessons learned from these cataclysmic events in world history. *Credit hours: 4. Prerequisite: sophomore standing or permission of the instructor.*

Spring 2023, Session 4: Race and Public Memory in American Life

Focusing on African American, Asian American, and Native American pasts through museums, monuments, and memorials, this course explores how our racial past is publically remembered throughout our history and our country. How do we as a country commemorate sites of celebration and sites of horror? Who has written the narratives and how are those stories changing? Who are the audiences, once ignored, that need to be addressed? Through readings, discussions, and films, we will familiarize ourselves with current debates and evolving practices as we attempt to grapple with this most fraught element of our history. *Identical with MUHS 3301. Credit hours: 4. Prerequisite: sophomore standing or permission of the instructor.*

General History Courses

HIST 1186 and HIST 1186W: One-Time Only (International Travel Course)

Fall 2022, Session 2 and Winter 2022: Transatlantic Traditions: A History of Christmas in Germany and the United States

Christmas is among the most widely celebrated holidays on earth, yet its history is not as straightforward and its traditions not as old as one may assume. This course explores the evolution of Christmas by examining its pagan roots, the biblical accounts, the metamorphosis of the real-life St. Nicholas into Santa Claus, and the influence of literature, movies, television, music, commerce, and national customs, particularly in Germany and the United States, in shaping what we know as Christmas today. The class will also study Christmas' impact on other holidays, most notably Hanukkah, as different traditions face the juggernaut of this Christian but increasingly secular celebration. *Credit Hours: 1 (1186); and 3 (1186W).*

HIST 3393. Methods in History This course introduces methods and tools of historical analysis and explores the mechanics of historical writing and research presentation to prepare history majors for successful completion of upper-division requirements. It also introduces students to the theories and methodologies historians employ, and leads them into discussions about ethical issues related to historical research, writing, and presentation. *Credit hours: 4. Offered Fall, Session 1.*

HIST 4495. Senior Capstone: Research Students will choose a topic for their independent research project and conduct the research in the first half of the capstone project. Working under the supervision of a faculty member, students will hone their research question and identify and analyze appropriate primary and secondary sources to help them answer it. *Credit hours: 4. Prerequisite: HIST 3393 and permission of the History Department. Offered: Fall, Session 1.*

HIST 4496. Senior Capstone: Writing In the second half of the capstone project, students will write their research paper. Students will organize the evidence gathered in HIST 4495, create and revise multiple drafts of their paper, develop and use skills in bibliography, and will present their findings together in a conference setting at the end of the session. *Credit hours: 4. Prerequisite: HIST 4495 and permission of the History Department. Offered: Fall, Session 2.*



HUMAN SERVICES

Interdisciplinary Minor Coordinator: Sara Beck

This minor is recommended for students interested in public service, volunteer work, social activism, or careers in the helping professions. Selections from among the designated courses should enable students to explore a variety of issues from different perspectives, which could help them prepare for responsible citizenship, employment, or graduate or professional training in a related field.

Human Services Minor

Courses

One of the following:

Course Title

Credit Hours

| | | |
|---|--------------------------------|-----------|
| SOC 2216 | Contemporary Social Problems | |
| SOC 3327 | Social Stratification | |
| <i>Experiential Learning (EX L) in an appropriate field</i> | | 2 |
| <i>Five of the following:</i> | | 20 |
| CPHL 1133 | Ethics and Public Life | |
| CPHL 2214 | Bioethics | |
| ECON 1102 | Principles of Microeconomics | |
| G ST 2202 | Introduction to Gender Studies | |
| POL 1113 | International Relations | |
| PSYC 2205 | Social Psychology | |
| PSYC 2208 | Developmental Psychology | |
| PSYC 2212 | Psychology of Gender | |
| PSYC 2213 | Psychological Disorders | |
| PSYC 3330 | Health Psychology | |
| SOC 2209 | Deviance and Social Control | |
| SOC 2218 | Family and Kinship | |
| SOC 2276 | Sociology of Gender | |
| SOC 3310 | Community | |
| SOC 3321 | Individual and Society | |
| Total for Minor in Human Services | | 26 |

Students majoring in a contributing discipline must select at least four courses from outside their major department.

The minor may be shaped to reflect a student's particular interests and objectives. Students interested in counseling might take PSYC 2205, 2213; SOC 3321; in medical social work, CPHL 2214; in work with children, PSYC 2208 and SOC 2218; in criminal justice and corrections, SOC 2209. Students should select from among the courses listed in consultation with their advisors and participating faculty. In general, it is recommended that the student include courses which: (a) focus on the individual and the immediate social environment (PSYC 2205, SOC 3321); and (b) examine the larger institutional and societal contexts (ECON 1102).



INTERDISCIPLINARY STUDIES

The courses listed below are interdepartmental in subject matter or faculty or both. They explore the relationship and mutual dependence of ideas, methods, and beliefs in different disciplines and areas of knowledge. In addition, the curriculum includes a number of courses taught jointly by members of two departments that may be counted toward departmental majors. These are shown within the offerings of the individual departments.

Interdisciplinary Studies Courses

I ST 1101. Academic Strategies A personalized program for first-year students consisting of weekly one-on-one peer tutorials and homework assignments providing instruction and practice in strategies designed to increase academic success. The ASC Director, through initial study skill diagnostic, ongoing tutor/tutee conferences, and review of weekly journals/reports/ assignments, guides content and evaluates progress. Tutorials are provided by peer tutors. *Credit hours: .5. Offered on a Pass/Fail basis only. Enrollment is open to all first-year students and required of some, depending on mid-session grades. The course is exempt from creating a course overload for the student.*

I ST 1111. Alexander Technique The Alexander Technique is a somatic method for improving physical and mental functioning. The technique is useful for artists, athletes, performers, and those suffering from poor postural habits, stress and old injuries. Through guided experience, the students learn to recognize habits that interfere with their natural comfort and balance. Ease, freedom and support replace fatigue, tension and discomfort. *Credit hours: 2. Offered on a Pass/Fail basis only. Alternate years.*

I ST 1115. Quantitative Lab A one-credit option for students who intend to major in quantitative-heavy fields (sciences, mathematics, engineering, business, and economics) and whose Summer placement exam or consultation with the academic advisor indicates a desire or need for practice and preparation before enrollment in the next needed quantitative course.

Students will work independently, with faculty and tutorial support, to complete appropriate modules. *Credit hours: .5 or 1. Offered on a Pass/Fail basis only. May be repeated for credit up to a maximum of three credits.*

I ST 1142. Information Literacy for the Digital Age This course examines research and information trends, methods, and problems. Through class discussions, assignments, and course readings, students will explore information source types and uses; information organization and access; library and internet research methods; information ethics and problems -- including plagiarism and copyright, media bias and misinformation, and unequal representation among information contributors and subjects. *Credit hours: 2. No prerequisites. Offered Spring.*

I ST 1161. Step-Up to Physical Science and Engineering at Randolph (SUPER) This course is a lab/lecture course in which students will study physics and applied mathematics at the level of pre-calculus or calculus, depending on the level of the student enrolled. In the lab portion, students will study robotics and do a building project. This is an intensive class for new students and will meet for 45 hours over two weeks prior to August orientation. *Credit hours: 4. Offered in the Summer prior to the start of the Fall.*

I ST 2261, 2262. Research Academy I, II These sequential courses, which continue the SUPER Seminar Series, educate students about what research is and what research occurs in their discipline, prepares students to find research experiences, and prepares students to begin research projects. Skills explored include, for example, how to approach faculty and how to do a literature search. *I ST 2261 is prerequisite for 2262 and students are expected to register for both courses during the same semester in their second year. Credit hours: .5. Prerequisite: I ST 1161.*

I ST 3309. Interdisciplinary Inquiry Science Students explore scientific connections among earth and life science, physics, chemistry, and biology. Students will understand the nature of science and scientific inquiry including the role of science, and the science skills of data analysis, measurement, observation, and experimentation. Project-based and inquiry lessons weave together concepts that reinforce the Virginia Standards of Learning and incorporate classroom work, and labs. Students develop the concepts essential to inquiry and safety procedures. This course is open to all students and required of students seeking elementary education licensure. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor.*

I ST 3310. Civics and Economics Students will examine the roles citizens play in U.S. politics and government, and the basic economic principles that underlie the U.S. market economy. Students will investigate the processes by which decisions are made in the American market economy and explain the government's role in it. Students study how patriotism, respect for the law, willingness to perform public service, and a sense of civic duty facilitate thoughtful and effective active participation in the civic life of an increasingly diverse democratic society. This course is open to all students and required of students seeking elementary education licensure or students seeking the history/social science teaching licensure. Course content maps to the Virginia Standards of Learning. *Identical with POL 3310. Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years.*

I ST 3361, 3362. A Day in the Life of a Scientist I, II These sequential courses, which continue the SUPER Seminar Series, will focus on understanding the daily work life of scientists and engineers and will track closely with the external mentoring program. *I ST 3361 is prerequisite for 3362 and students are expected to register for both courses during the same semester in their third year. Credit hours: .5. Prerequisite: I ST 2261, 2262.*

I ST 4461, 4462. Research Group I, II These sequential courses, the last in the SUPER Seminar Series, will follow a laboratory group meeting format and will build students' scientific presentation skills and give them the opportunity to keep their peers informed on their senior research progress. *I ST 4461 is prerequisite for 4462 and students do not need to take them in the same semester. Credit hours: .5. Prerequisite: I ST 2261, 2262.*



LATIN: SEE WORLD LANGUAGES, LITERATURES, AND CULTURES



MATHEMATICS AND COMPUTER SCIENCE

Faculty: Marc S. Ordower, Michael Penn, Jia Wan

The Department of Mathematics wishes to share the beauty and usefulness of mathematics with as many undergraduates as possible, recognizing that each student has different reasons for studying mathematics. Some require mathematical training to support professional goals in related fields such as the sciences, the social sciences or engineering. Others choose to pursue mathematics for its own sake, either because of the many career opportunities stemming from a direct application of mathematics or because of the sheer beauty of the subject. And, of course, some degree of mathematical background is essential in order to understand the natural and human world and the many challenges facing humanity.

Randolph College provides many ways to engage with mathematics. In addition to the rigorous training afforded by our regular course offerings, faculty frequently engage students in independent study based on student and faculty interests. Furthermore, Randolph College students have been very successful participating in various mathematics competitions against other undergraduate students in the United States. Furthermore, Randolph College Mathematics students have participated regularly in undergraduate research opportunities and internships.

The study of computer science offers students the opportunity to develop problem solving facility and helps develop skills that have broad utility in theory and application and are amongst the most sought-after by employers. The abstraction of real-world problems, the construction of algorithms to display and transform data, and the theory of computation are all central concerns of computer science. The minor in computer science can be effectively combined with any major.

Whether studied with professional goals in mind, to supplement the study of any other field, or just for interest's sake, computer science offers a powerful way to approach many challenging problems. When combined with selected courses in mathematics and physics, the minor will help prepare the student for graduate work in computer science and related fields.

Mathematics Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|----------------------------------|---------------------|
| <i>Required:</i> | | |
| MATH 2234 | Techniques of Mathematical Proof | 4 |
| MATH 2241 | Linear Algebra | 4 |
| MATH 2250 | Calculus III | 4 |
| MATH 3360 | Abstract Algebra | 4 |
| MATH 4443 | Introduction to Analysis | 4 |
| <i>Two additional Mathematics courses from the following:</i> | | 8 |
| MATH 1149 | Calculus I | |
| MATH 1150 | Calculus II | |
| Mathematics courses numbered 2234 and above | | |
| <i>Senior Program</i> | | |
| MATH 4492 | Professional Development Seminar | 1 |
| MATH 4494 | Senior Seminar | 4 |
| Total for BA Degree in Mathematics | | 33 |

Additionally for BS Degree

| | | |
|---|--|-----------|
| <i>Choose one of the following:</i> | | 4 |
| CSCI 1151 | Computer Programming I | |
| CSCI 1156 | Computer Programming II | |
| <i>One Mathematics course numbered 2234 and above</i> | | 4 |
| <i>Two from the following:</i> | | 8 |
| CHEM 3307-3307L | Molecular Quantum Mechanics and Lab | |
| CHEM/PHYS 3378-3378L | Classical & Stat Thermodynamics & Lab | |
| PHYS 1115-1115L | General Physics I and Lab | |
| PHYS 1116-1116L | General Physics II and Lab | |
| PHYS 2216 | Statics | |
| PHYS 2251 | Relativity and Introduction to Quantum Mechanics | |
| Physics courses at the 3300 and 4400 levels | | |
| Total for BS Degree in Mathematics | | 49 |

A student who elects mathematics will be placed in MATH 1109, 1117; 1119; 1149; 1150; or 2241; according to preparation.

Computer Science and Mathematics Major (BS)

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|---|---------------------|
| <i>Required:</i> | | |
| CSCI 1151 | Computer Programming I | 4 |
| CSCI 1156 | Computer Programming II | 4 |
| CSCI 2251 | Algorithms and Data Structures | 4 |
| MATH 2234 | Techniques of Mathematical Proof | 4 |
| MATH 2241 | Linear Algebra | 4 |
| MATH 3360 | Abstract Algebra | 4 |
| <i>Choose two from the following:</i> | | 8 |
| MATH 1149 | Calculus I | |
| MATH 1150 | Calculus II | |
| Mathematics courses numbered 2250 and above | | |
| <i>Choose two from the following:</i> | | 8 |
| CSCI 3326 | Computer Architecture and Assembly Language | |
| CSCI 3336 | Operating Systems | |
| CSCI 3346 | Software Development | |
| <i>One of the following:</i> | | 4 |
| DSCI/MATH 2232 | Introduction to Data Science | |
| DSCI 2233 | Machine Learning | |
| <i>Senior Program</i> | | |
| CSCI 4492 | Professional Development Seminar | 1 |
| MATH 4494 | Senior Seminar | 4 |
| Total for BS Degree in Computer Science and Mathematics | | 49 |

Mathematics Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|---------------------|---------------------|
| <i>Two Mathematics courses numbered 2250 or higher</i> | | 8 |
| <i>Three Mathematics courses from the following:</i> | | 12 |
| MATH 1149 | Calculus I | |
| MATH 1150 | Calculus II | |
| Mathematics courses numbered above 2230 | | |
| Total for Minor in Mathematics | | 20 |

Computer Science Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|---|---------------------|
| <i>Required:</i> | | |
| CSCI 1151 | Computer Programming I | 4 |
| CSCI 1156 | Computer Programming II | 4 |
| CSCI 2251 | Algorithms and Data Structures | 4 |
| <i>One of the following:</i> | | 4 |
| CSCI 2225 | Matlab and Labview | |
| DSCI/MATH 2232 | Introduction to Data Science | |
| MATH 2234 | Techniques of Mathematical Proof | |
| <i>One of the following:</i> | | 4 |
| CSCI 3326 | Computer Architecture and Assembly Language | |
| CSCI 3336 | Operating Systems | |
| CSCI 3346 | Software Development | |
| Total for Minor in Computer Science | | 20 |

Recommended Courses

CSCI 1156; CPHL 2230; PHYS 1115, 1116.

Computer Science Courses

CSCI 1151. Computer Programming I An introduction to computers and computer programming. Emphasis will be placed on problem-solving with examples and exercises from social, natural, and mathematical sciences. Techniques of flowcharting and structured programming, development of algorithms, and types of computer hardware will also be discussed. Intended for students with no previous programming experience. *Credit hours: 4. A student may not receive credit for this course after taking CSCI 1156 or its equivalent.*

CSCI 1156. Computer Programming II A continuation of Computer Science 151. Emphasis on top-down programming using methods. Topics include user-defined classes and advanced data types, arrays, recursion, algorithms for sorting, searching, exception handling, advanced GUIs and graphics, and embedding Java applets into HTML documents. *Credit hours: 4. Prerequisite: CSCI 1151 or the equivalent.*

CSCI 2225. Matlab and Labview This course covers beginning and intermediate programming in the Matlab and Labview computer languages. Students will learn the basics of computer programming as well as the specifics of programming in Matlab and Labview including data input/output, code structuring, coding best practices and limitations, data acquisition and beginning GUI development. This course is project based with projects taken from real world computing problems. *Credit hours: 4. Prerequisite: MATH 1149. Alternate years: offered Fall 2021.*

CSCI 2251. Algorithms and Data Structures Structures for the representation of data are considered: vectors, lists, queues, trees, heaps, hash tables, maps, and graphs. This course presents the logic behind choosing a particular structure, and the associated algorithms for using each structure. Fundamental algorithms for solving problems, including sorting, searching and graph algorithms are developed. General design, analysis and the study of complexity are emphasized. *Credit hours: 4. Prerequisite: CSCI 1156.*

CSCI 3326. Computer Architecture and Assembly Language Introduction to internal computer architecture including the instruction cycle, parts of the CPU, memory hierarchy including caching, pipelining, exception handling, and issues of multiprocessing. Implementation of assembly language programs using sample architectures. Principles of translating high-level languages. *Credit hours: 4. Pre- or co-requisites: CSCI 2251 and MATH 1149 or equivalent. Alternate years: offered Spring.*

CSCI 3336. Operating Systems Design and implementation of operating systems. Mutual exclusion, concurrency, deadlock, process scheduling, memory management, and files systems. *Credit hours: 4. Prerequisite CSCI 1156. Alternate years.*

CSCI 3346. Software Development This course provides an in-depth study of steps in the software-development process: user requirements, specifications, design, implementation, testing, maintenance, documentation, and management. Students will develop the facility to apply the general principles to new problems. *Credit hours: 4. Prerequisite CSCI 2251. Alternate years: offered Spring.*

CSCI 4492 Professional Development Seminar – Computer Science Students will explore how the skills they have accumulated over the course of their degree may be applied both to solve problems in the real world and to extend the limits of human knowledge. They will select a research advisor and a research topic in computer science and begin directed readings. *Credit hours: 1. Prerequisite: CSCI 251.*

Mathematics Courses

MATH 1109. Introduction to Quantitative Reasoning This course presents mathematical ideas in a real world context. Topics covered include critical thinking and problem solving, the mathematics of finance, basic statistical principles, mathematics and the arts, and the theory of voting. *Credit hours: 4. Offered as needed. (QR)*

MATH 1117, 1118. Precalculus with Elementary Modeling Relations defined algebraically, graphically, and numerically. Functions, including polynomial, rational, trigonometric, exponential, and logarithmic. Applications, including modeling. Algebraic techniques and a review of basic geometric relationships. *Credit hours: 4, 4. Not open to students who have been placed into MATH 1119 or above, except by permission of the Department. (QR)*

MATH 1119. Precalculus A study of the properties of various functions, including polynomial, trigonometric, exponential, and logarithmic. Analytic geometry of conic sections. *Credit hours: 4. Not open to students who have been placed into MATH 1149 or above, except by permission of the Department. (QR)*

MATH 1149. Calculus I Limits, continuity, and differentiation of algebraic functions of one variable. Applications to curve sketching, optimization, and rates of change. The definite integral applied to finding the area under a curve. *Credit hours: 4. Prerequisite: MATH 1118 or MATH 1119 or the equivalent. (QR)*

MATH 1150. Calculus II A continuation of Mathematics 1149. Volumes and surface area of solids of revolution. Lengths of curves. The logarithm and exponential functions. Techniques of integration. Areas in polar coordinates. Improper integrals, infinite series, and power series. *Credit hours: 4. Prerequisite: MATH 1149 or permission of the Department. (QR)*

MATH 2208. Concepts of Elementary and Middle School Mathematics Introduces elementary problem solving with emphasis on the nature of numbers and the structure of the real number system. Topics studied include the structure and properties of number systems and of Euclidean Geometry applicable in elementary and middle school classrooms. This course is open to all students and required of students seeking elementary education licensure. *Credit hours: 4. (QR)*

MATH 2227. Elementary Applied Statistics An introduction to statistics, including probability, binomial distributions, normal distributions, sampling theory, testing hypotheses, chi-square tests, and linear regression. *Credit hours: 4. Not open to students who have satisfactorily completed MATH 3343. A student may receive credit for two of these courses: ECON 2227, MATH 2227, POL 2231, PSYC 2227, or SOC 3395. Offered Spring. (QR)*

MATH 2229. Advanced Mathematical Problem Solving In this course, students will be expected to solve and present solutions to a collection of problems gathered from various mathematics competitions. Problem solutions may involve the techniques of classical algebra, geometry, calculus, and combinatorics. *Credit hours: 1. Prerequisite: permission of instructor. May be repeated for credit up to a maximum of 4 hours.*

MATH 2232. Introduction to Data Science Data science is an interdisciplinary field incorporating statistical techniques with algorithms to collect and to process large data sets, in order to extract meaning and make decisions. Students will explore the collection and filtering of data, machine learning algorithms, and methods for drawing conclusions. *Credit hours: 4. Prerequisite: ECON 2227 or EVST 2205 or MATH 2227 or MATH 3343 or POL 2231 or PSYC 2227 or SOC 3395. Identical with DSCI 2232. Alternate years.*

MATH 2234. Techniques of Mathematical Proof An introduction to formal mathematical proof. Topics include logical inference, statements involving quantifiers, indirect proof, and mathematical induction. We investigate proofs in a variety of disciplines but with a particular focus on set theory, combinatorics, and graph theory. *Credit hours: 4. Prerequisite: MATH 1149.*

MATH 2241. Linear Algebra Systems of linear equations, vector spaces and subspaces, bases and dimension, linear transformations, eigenvalues and eigenvectors, and inner product spaces. *Credit hours: 4. Prerequisite: MATH 1149 or permission of the Department.*

MATH 2250. Calculus III An introduction to vector calculus. Differential and integral calculus of more than one variable. Vector fields, including Green's, Stokes', and the Divergence Theorems. *Credit hours: 4. Prerequisite: MATH 1150 and either MATH 2241 or PHYS 1115 or permission of the Department.*

MATH 3320. Introductory Topology An introduction to point-set geometry, including topological spaces, metric spaces, homotopy, the Urysohn lemma, and Tychonoff's theorem. Students explore topology as the underpinning of modern geometry. *Credit hours: 4. Prerequisite: MATH 2241 or permission of the Department.*

MATH 3331. Differential Equations First order linear and non-linear equations, second and higher order linear equations, series solutions, Laplace transforms, and systems of linear differential equations. Applications, primarily to mechanics and population dynamics. *Credit hours: 4. Prerequisite: MATH 1150 and 2241 or the course may be taken concurrently with MATH 2241 by permission of the Department.*

MATH 3337. Number Theory Properties of the integers. Unique factorizations, congruences and modular arithmetic. Diophantine equations, prime numbers, quadratic reciprocity, and integer functions. Applications to cryptology. *Credit hours: 4. Prerequisite: MATH 1150 and MATH 2234 or permission of the Department. Alternate years.*

MATH 3343. Mathematical Statistics Probability. Discrete and continuous probability distributions. Sampling and the Central Limit Theorem. Confidence intervals, hypothesis testing, linear regression, and non-parametric tests. *Credit hours: 4. Prerequisite: MATH 2250. Alternate years.*

MATH 3353. Mathematical Modeling The construction and analysis of mathematical models to solve problems in the physical and social sciences. Dynamical systems are emphasized with a particular concentration on linear and non-linear discrete dynamical systems. Topics may include dimensional analysis, stability, chaos, and fractals. *Credit hours: 4. Prerequisite: MATH 1150 and 2241. Alternate years: offered Fall.*

MATH 3360. Abstract Algebra Groups, rings, integral domains. Homomorphisms and isomorphisms. Elementary number theory. The fields of rational, real, and complex numbers. *Credit hours: 4. Prerequisite: MATH 2234 and MATH 2241 or permission of the Department.*

MATH 4426. Complex Variables The complex number system. Limits, continuity, and differentiability of functions of a single complex variable. Contour integration and Cauchy's Theorem. The calculus of residues. Conformal mapping. *Credit hours: 4. Prerequisite: MATH 2250. Alternate years.*

MATH 4443. Introduction to Analysis A rigorous study of limits, continuity, differentiation, and integration of functions of a real variable. *Credit hours: 4. Prerequisite: MATH 2234 and MATH 2250 or permission of the Department.*

MATH 4492. Professional Development Seminar - Mathematics Students will explore how the skills they have accumulated over the course of their degree may be applied both to solve problems in the real world and to extend the limits of human knowledge. They will select a research advisor and a research topic in mathematics and begin directed readings. *Credit hours: 1. Prerequisite: MATH 360.*

MATH 4494. Senior Seminar This course will emphasize the importance of seminal problems in mathematics in motivating the development of techniques learned over the course of four years. Students will place their accumulated mathematical knowledge in context in the broad world of mathematics. Students will continue to conduct research into their broader world of mathematical knowledge. Students will continue to explore their chosen problem in mathematics or computer science, culminating in a paper and a talk on the topic. *Credit hours: 4. Prerequisite: MATH 4493 or CSCI 4493.*



MEDIA AND CULTURE

Faculty: Jennifer L. Gauthier, Julio Rodriguez

The Media and Culture (MAC) major is an interdisciplinary major/minor designed to help students explore the role that media plays in cultures around the world. It encourages students to become more thoughtful critics and practitioners of media and acquire an understanding of the cultural contexts in which media operate. It engages with issues of race, gender, sexualities, and social justice as a means to train ethical leaders who will make positive change in their chosen fields. Majors and minors in media and culture explore and learn to apply theoretical concepts, design and carry out original research and creative projects, and gain practical experience through internships. A major in media and culture prepares students for graduate study and/or careers in a wide range of fields including, but not limited to multimedia journalism, digital film production, broadcasting, social media marketing, public relations, activism, non-profit work, publishing, information science, and teaching.

Media and Culture Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|---|---------------------|
| <i>Required</i> | | |
| MAC 1101 | Media, Culture, and Power | 4 |
| MAC 2204 | Media Technology and Culture | 4 |
| <i>One of the following methods courses:</i> | | 4 |
| MAC 3310 | Contemporary Issues in Media and Culture I | |
| SOC 3394 | Social Research and Qualitative Analysis | |
| SOC 3395 | Social Research and Quantitative Analysis | |
| <i>One of the following theory classes:</i> | | 4 |
| ENGL 3330 | Feminist Rhetorical Theories | |
| MAC 3311 | Contemporary Issues in Media and Culture II | |
| SOC 2265 | Social Theory | |
| <i>Senior Program</i> | | |
| MAC 4493 | Senior Capstone | 4 |

| | | |
|--|---|-----------|
| MAC 4494 | Senior Research | 4 |
| <i>Choose four of the following, at least 2 at the 300-level, from at least 2 different departments:</i> | | 16 |
| ARTS/MAC 1181 | Introduction to Digital Photography | |
| ARTH/MAC 2277 | American Movies | |
| ARTS/MAC 2279 | Introduction to Digital Filmmaking | |
| ARTH 3314 (as applicable) | Special Topics in Art History | |
| ARTS/MAC 3376 | Advanced Digital Filmmaking | |
| ARTH/MAC 3380 | Global Media and Society | |
| ARTH/MAC 3382 | Studies in Film | |
| ARTH/MAC 3384 | Documentary History and Theory | |
| CHIN 1105 | Chinese Culture Through Film | |
| CLAS/MAC 1183 | Classical Rhetoric and Persuasive Power | |
| CPHL/MAC 1175 | Practical Reasoning | |
| CPHL 1128 | Hinduism and Visual Culture | |
| CPHL 1199 | Monsters | |
| G ST 2202 | Intro to Gender Studies | |
| MAC 2205 | Media, Culture and Sport | |
| MAC 2220 | Media and Masculinities | |
| MAC 2250 | New Media and Identity | |
| MAC 3351 | Transmedia Storytelling | |
| MAC/SOC 3342 | Assuming Whiteness | |
| MAC 3344 | Race & Hollywood | |
| SOC 2231 | America at the Margins | |
| Total for Media and Culture major | | 40 |

Media and Culture Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|---|---------------------|
| <i>Required:</i> | | |
| MAC 1101 | Media, Culture and Power | 4 |
| MAC 2204 | Media Technology and Culture | 4 |
| <i>One of the following:</i> | | 4 |
| MAC 3310 | Contemporary Issues in Media and Culture I | |
| MAC 3311 | Contemporary Issues in Media and Culture II | |
| 2 electives from the list above (see electives for the major), at least one at the 3300-level or above | | 8 |
| Total for Media and Culture minor | | 20 |

See also *Film Studies Interdisciplinary Minor*.

Experiential Learning Examples

Reporting with the Lynchburg News & Advance, news production and writing with WSET-TV; public relations for the Community Market, Big Brothers & Big Sisters of Central Virginia, marketing for Amazement Square and the Academy of Fine Arts, and other positions at area schools, hospitals, museums, voluntary organizations, and businesses.

Media and Culture courses

MAC 1101. Media, Culture, and Power This course investigates the way that individuals and communities use various forms of media to negotiate identity. It explores representations of race, class, gender and sexuality, paying specific attention to the workings of power in the media industry. Students examine such media as film, television, music, advertisements, and public discourse and gain experience with different kinds of writing about media. *Credit hours: 4. (CI, HE, WI)*

MAC 1107. Chinese Food Culture

What and how we choose to eat are shaped by our social and cultural environment. How do Chinese people eat differently compared with people from other cultures? How do food and eating relate to individual, health, and national identity? This course explores the history and modern representations of Chinese food, and helps students think critically about contemporary cultural productions. *Alternate years. Credits: 4. (CI, HE)*

MAC 1175. Practical Reasoning An introduction to the practice of reasoning and problem-solving. Emphasis on the analysis of arguments of the sort encountered in everyday discourse and in textbooks and lectures; on the clear and persuasive presentation of arguments, reports, and papers; and on the refinement of ordinary critical instinct. Identical with CPHL 1175. *Credit hours: 4. (HE)*

MAC 1181. Introduction to Digital Photography An introduction to the aesthetics and techniques of digital photography. Techniques include depth of field, lens choice, aperture settings, exposure, and use of software. Students will develop their creative vision, conceptualization skills, and technical proficiency, leading to a portfolio. Identical with ARTS 1181. *Credit hours: 4. (AE)*

MAC 1183. Classical Rhetoric and Persuasive Power We have inherited from ancient orators an understanding of the power of words to persuade and ideas about what makes a good speech appeal to an audience. Students will analyze speeches, delve into ancient rhetorical thinking, and apply its arts to speeches of their own. Students will read and write in English. Identical with CLAS 1183. *Credit hours: 4. Alternate years. (AE)*

MAC 2204. Media Technologies and Culture The study of the relationship between culture and communication technologies, including oral communication, visual symbols, print, film, radio, television, cassettes, and digital media. Examination of how media industries, governments, militaries, religious movements, audiences, and communities employ communication technologies in power struggles, ideological conflicts, and cultural clashes in various global contexts. Reflection upon philosophical conceptions of sensory perception and media consumption experiences. *Credit hours: 4. Prerequisite: MAC 1101 and sophomore standing or permission of instructor. (CI, HE, SS, WI)*

MAC 2205. Media, Culture and Sport An introduction to the cultural history of the United States through the lens of sport. Topics will include immigration and assimilation; the creation and maintenance of ethnic, racial, and national identities; class and leisure; industrialization and incorporation; civil rights; and women's rights. *Credit hours: 4. Alternate years. (CI, SS)*

MAC 2220. Media and Masculinities. This course will examine the representation of men and masculinities in a variety of media from early print to magazines, radio, television, film and virtual media. Topics will include advertising, marginalized masculinities, sports, violence, and male sexualities. *Credit hours: 4.*

MAC 2250. New Media and Identity This course examines new media and its intersection with identity, community and activism. Students will examine such issues as new media and democracy, new media and entertainment communities, the ramifications of algorithms for individual privacy, new media and health, and the concentration of the media industry, . . . *Credit hours: 4. Prerequisites: MAC 1101.*

MAC 2277. American Movies An overview of the history and aesthetics of American films made both in Hollywood and independently. It examines the stylistic and narrative techniques utilized by filmmakers, the political economy of the film industry, and cinema's role in the global market. Students will explore various types of writing about film and develop their critical analysis and writing skills. Identical with ARTH 2277. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. (AE, HE, WI)*

MAC 2279. Introduction to Digital Filmmaking This course is a basic introduction to filmmaking in the digital format; no previous filmmaking experience is necessary. It will familiarize students with the components of the digital video camera, the process of creating a moving image from single digital images, and the basics of non-linear digital editing. Identical with ARTS 2279. Taught concurrently with MAC 3376. *Credit hours: 4. Prerequisite: ARTS/MAC 1181 or ARTH/MAC 2277 or permission of instructor. (AE)*

MAC 3310. Contemporary Issues in Media and Culture I Students gain practice with several methods of researching media, both qualitative and quantitative, with attention to texts, audiences and industry. Case studies from contemporary media will be analyzed using the various research methods. Students have the opportunity to develop skills in written, oral and visual communication. *Credit hours: 4. Prerequisite: MAC 1101 or permission of instructor.*

MAC 3311. Contemporary Issues in Media and Culture II The study of key theories in media and cultural studies, including rhetorical theory, ideology, genre, semiotics, feminism, post-colonialism and queer theory. We will apply these theories as a way to understand contemporary issues in media and students' media use. Students have the opportunity to develop skills in written, oral and visual communication. *Credit hours: 4. Prerequisite: MAC 1101 or permission of instructor.*

MAC 3330. Feminist Rhetorical Theories This course provides an introduction to feminist theories of rhetoric. We will explore the work of scholars from diverse backgrounds, including Indigenous, Latinx, and Black women scholars, also highlighting the intersections of gender with race, class, sexuality and nationhood. We will examine theories of social change from a communication perspective, focusing on the nature and function of symbols used in the change process. *Credit hours: 4. Prerequisite: MAC 1101 and 2204, or permission of instructor.*

MAC 3342. Assuming Whiteness An examination of the creation, representation, and maintenance of “whiteness” as a racial category. It explores the process by which certain groups have moved from racial “other” to “white,” the visual representation of “whiteness,” and the social, cultural, and political ramifications of being white (and non-white) in America. *Identical with SOC 3342. Credit hours: 4. Prerequisite: junior standing or permission of instructor. Alternate years. (CI)*

MAC 3344. Race and Hollywood This course will provide a history of the representation of racial and ethnic minorities in popular film and its sociocultural implications; an application of sociological perspectives toward understanding popular film; and an examination of minorities as audiences and filmmakers. *Credit hours: 4. (AE, HE)*

MAC 3351. Transmedia Storytelling This course introduces students to the process of creating and publishing stories across multiple media platforms. Students will gain experience producing short films as well as creating content for social media. Issues such as audience participation, the democratization of media, and how to create and sustain an online identity as a content producer will be put into interactive practice. *Credit hours: 4. Prerequisite: MAC 1101 and sophomore standing or permission of instructor. (AE)*

MAC 3376. Advanced Digital Filmmaking This advanced course in the art of digital filmmaking teaches students how to create and tell visual multimedia stories in the digital age by using video, still images, time-lapse photography, and audio. Students will study new visual storytelling practices and film art using mobile devices and apps to produce narratives for the web, iPads, and smartphones. *Identical with ARTS 3376. Taught concurrently with MAC 2279. May be repeated for up to eight credit hours. Credit hours: 4. Prerequisite: ARTS/MAC 2279 or permission of instructor.*

MAC 3380. Global Media and Society This course explores media texts and movements around the world. Topics include cultural imperialism, global cultural pluralism, localization, hybridity, modernity, and cultural identity. Examination of the cultural politics of media representations and asymmetrical circulation from Western nations (Global North) to non-Western nations (Global South) as well as contra-flows and diasporic media. *Identical with ARTH 3380. Credit hours: 4. Prerequisite: MAC 1101 or permission of instructor. Alternate years. Offered Fall 2022, session 1. (HE, CI)*

MAC 3382. Studies in Film The topic of this course will vary from year to year. Students may examine specific genres, directors, national cinemas, or film theories. *Identical with ARTH 382. Credit hours: 4. Prerequisite: MAC/ARTH 2277 or permission of instructor. May be repeated for credit when topic differs. (AE)*

MAC 3384. Documentary History and Theory This course is an introduction to the history, theory, and aesthetics of documentary film. It traces several major historical movements in the development of documentary from Russia and Great Britain to Canada and the United States. Students will explore questions of ethics in documentary production, the development of various formal techniques, and a number of theoretical approaches to analyzing documentaries. *Identical with ARTH 3384. Credit hours: 4. Prerequisite: MAC/ARTH 2277 or permission of instructor. 2 (AE, CI, HE)*

MAC 4493. Senior Seminar A critical study of significant works in media and cultural studies and a review of research methods and theory. Students will lay the groundwork for their senior research by formulating a research question and exploring related secondary sources. They will also determine a research method and theoretical framework. The course culminates in a formal research proposal. *Credit hours: 4. Prerequisite: MAC 3310 and MAC 3311 or permission of instructor.*

MAC 4494. Senior Project Students work independently with a faculty mentor to complete a project. Students electing the research option will write an original research paper and deliver a public oral presentation. Students who select the creative media project will produce a short film, a website, a multimedia project, or an investigative journalism project and give a public screening/presentation. *Credit hours: 4. Prerequisite: MAC 3310 and MAC 3311 or permission of instructor.*



MUSEUM AND HERITAGE STUDIES

Director: Andrea W. Campbell

Faculty: Andrea W. Campbell, Jennifer L. Gauthier, Ron D. Gettinger, Gerard F. Sherayko, Lesley E. Shipley
 Museum and Collections Staff: Lisa Broughman, Martha Kjeseth-Johnson, Laura A. McManus

The museum and heritage studies major is a distinctively interdisciplinary program that introduces students to a rich variety of approaches for presenting and studying visual and material culture. The program is designed for a broad range of students in the arts, humanities, and social and natural sciences. Majors will take core courses in museum and heritage studies, and select from supporting courses in several departments. Courses in the major encourage the development of fresh perspectives and practical skills, and are taught by museum professionals at Randolph College and its faculty in art history, biology and history who have developed a special interest in tangible cultural heritage. The senior program features an exhibition broadly defined, designed and executed by each major.

The program is based on Randolph College's world-class Maier Museum of Art and the College's notable natural history and archaeology collections, and has a strong commitment to hands-on, experiential learning in and out of the classroom. Majors are required to complete at least two internships. Thomas Jefferson's Poplar Forest, and other local and regional historical and archaeological sites, as well as a variety of archives, collections, and museums give students access to exceptional resources for research and career exploration. The program also capitalizes on Randolph College's impressive range of internships and fieldwork with professional organizations in the US and abroad, including the Preservation Institute Nantucket, The National Gallery (London), and the Archaeological Conservation Institute (Italy).

Recommended Courses

Art history majors: studio art, classics, history, literature, media and culture, and comparative philosophy courses. Studio art majors: art history, history, literature, and comparative philosophy courses.

Special Programs

The Maier Museum of Art houses the College's preeminent American art collection that is featured in the teaching of many art history and studio art courses. The Maier also curates the longest-running annual exhibition of Contemporary Art held at a college or university in the country.

The Department maintains an active program of visiting artists and art historians who lecture on their work and offer workshops, critiques, or seminars for students. Polly Apfelbaum, Jake Berthot, Barbara Haskell, Bill Jensen, Elizabeth Murray, Maya Lin, Judy Pfaff, Jules Prown, Elena Sisto, Toyin Odutola, and Larry Silver are among past participants.

Experiential Learning Examples

Randolph College is the only institution of higher learning in the U.S. that has an internship program at the National Gallery of Art, London. Art history and studio art majors are encouraged to apply for this very special opportunity. A variety of internships are offered by the Maier Museum of Art and the Career Development Center, which may be applied to the minor in Museum and Heritage Studies, an attractive option for studio art or art history majors.

These offer qualified students the opportunity to gain marketable skills in numerous areas of museum work: curatorship, management, education, public relations, and conservation. Randolph College students are offered a scholarship to attend the Nantucket Preservation Institute where they earn graduate credit in historic preservation and are paid a stipend to intern in arts management at the Lyric Opera of Chicago. Students have successfully obtained competitive internships at distinguished institutions such as the Smithsonian Institution's American Art Museum, the National Gallery of Art in Washington, D.C., the Museum of Modern Art, and the Whitney Museum of American Art, New York. Studio majors have been accepted by competitive Summer programs, including Yale/Norfolk, Chautauqua, and the Vermont Studio School, as well as to Summer programs in France and Italy.

Museum and Heritage Studies Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|------------------|--------------------------------|---------------------|
| <i>Required:</i> | | |
| ARTH 2261 | Introduction to Museum Studies | 4 |
| HIST 1111 | Introduction to Public History | 4 |
| MUHS 2262 | Museum Education | 4 |

| | | |
|--|---------------------------------------|------------|
| MUHS 3301* | Topics in Museum and Heritage Studies | 8 |
| <i>One of the following:</i> | | 4 |
| ARTH 1101 | Art, Culture, and Society before 1400 | |
| ARTH 1102 | Art, Culture, and Society after 1400 | |
| <i>Two MUHS Experiential Learnings (EXL)**</i> | | 4 |
| <i>Two from the following:</i> | | 8 |
| Any ARTH courses | | |
| BIOL 1118-1100LR | Evolution and Lab | |
| BIOL 2201-2201L | Zoology and Lab | |
| BIOL 2202-2202L | Botany and Lab | |
| BIOL 3319-3319L | Ecology and Lab | |
| BIOL 3324-3324L | Ornithology-Mammalogy and Lab | |
| CLAS/PED 1175 | Sport and Spectacle | |
| CLAS/ARTH 1179 | Masterworks of Greek and Roman Art | |
| EVST 1117-1117L | Physical Geology and Lab | |
| Any HIST courses | | |
| <i>Senior Program</i> | | 4 |
| MUHS 4494 | Senior Program | |
| <i>Total for BA Degree in Museum and Heritage Studies</i> | | 40* |

*Students must take two different topics for a total of 8 hours.

**Four EXL credits must be earned in total and students must complete at least two internships that are based in different sites or collections. The internships should be completed prior to enrolling in the senior program.

Only two courses used in fulfilling the requirements for a second major can be used in the Museum and Heritage Studies Major.

Museum and Heritage Studies Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|---------------------------------------|---------------------|
| <i>Required:</i> | | |
| ARTH 2261 | Introduction to Museum Studies | 4 |
| HIST 1111 | Introduction to Public History | 4 |
| MAC 1101 | Media, Culture and Power | 4 |
| MUHS 2262 | Museum Education | 4 |
| <i>One of the following:</i> | | 4 |
| ARTH 3315 | Curatorial Seminar | |
| MUHS 3301 | Topics in Museum and Heritage Studies | |
| <i>Total for Minor in Museum Studies and Heritage Studies</i> | | 20 |

Museum and Heritage Studies Courses

MUHS 1112. Natural History Collections An introduction to natural history as a way of understanding the earth's biotic and abiotic diversity. Special attention will be paid to the scientific, cultural, and historical development of natural history collections and to the importance of these collections. Students will use the Randolph College collections and nature preserves as resources for interdisciplinary, hands-on natural history investigations. *Credit hours: 4.*

MUHS 2201. Collections Management This course focuses on information management and care of objects under a museum's purview. Topics include acquisitions, cataloging and documentation using physical and electronic systems, storage and access, proper handling of objects, preventative conservation, and security measures. Students will be engaged in practical, hands-on training utilizing campus and local collections. *Credit hours: 2. Prerequisite: ARTH 2261.*

MUHS 2262. Museum Education This course focuses on the educational role of the museum. Students will put learning theories into practice by developing interpretive tools and activities. Topics include educational theory, audience characteristics, visitor studies, exhibition interpretation, object-based teaching, marketing, community and school partnerships, and digital technologies. The Maier Museum of Art and the Natural History and Archaeology Collections will be utilized. Fieldtrips included. *Credit hours: 4. Prerequisite: ARTH 2261. Offered Spring 2023, Session 4.*

MUHS 3301. Topics in Museum and Heritage Studies Concentrated readings and discussion on a specific theme or themes in museum and heritage studies. Themes/topics will vary from year to year. Can be repeated. *Credit hours: 4. Prerequisite: junior standing or permission of the instructor (or as indicated for each topic).*

Fall 2022, Session 1: Museums, Communities, and Social Justice

What role do art museums play in contemporary society? How does community affect collections, programs, and museum culture? Should museums respond to current events in real time? This course provides a historical, theoretical, and practical introduction to civic engagement in museums vis-à-vis curation, exhibition design, and education. Emphasis will be on artists working at the intersection of art and social justice, and art museums with community-centered practices that actively promote equity and inclusivity. *Credit hours: 4. Prerequisite: junior standing or permission of the instructor.*

Spring 2023, Session 4: Race and Public Memory in American Life

Focusing on African American, Asian American, and Native American pasts through museums, monuments, and memorials, this course explores how our racial past is publically remembered throughout our history and our country. How do we as a country commemorate sites of celebration and sites of horror? Who has written the narratives and how are those stories changing? Who are the audiences, once ignored, that need to be addressed? Through readings, discussions, and films, we will familiarize ourselves with current debates and evolving practices as we attempt to grapple with this most fraught element of our history. *Identical with HIST 3301. Credit hours: 4. Prerequisite: sophomore standing or permission of the instructor.*

MUHS 4494. Senior Program The senior seminar for this interdisciplinary major allows students to gain an understanding of contemporary issues in heritage studies, especially those relevant to the fields of archaeology, art and architectural history, history, and natural history. Through coursework and/or the capstone project itself, students will further their curatorial skills and deepen their understanding of the role of museums in society or explore topics such as historic preservation. *Credit hours: 4. Prerequisite: MUHS 3301 and senior standing. Offered Fall 2022, Session 2.*



MUSIC: SEE PERFORMING ARTS



PERFORMING ARTS

Faculty: Emily Yap Chua, Amy R. Cohen, Stephanie H. Earl, Heather Sinclair, Randall C. Speer

Both in study and practice, the performing arts at the College are directed toward developing an understanding and appreciation of all our constituent disciplines: dance, music, and theatre. The dance program offers courses in ballet, jazz, modern, and musical theatre dance technique which are open to all students. These classes expose students to the joy and power of movement, as well as the discipline of dance. Students develop both physical and spatial awareness and increased flexibility and coordination. Dance history courses give students the opportunity to connect dance to its societal context. Additional course offerings include Pilates, dance composition, and repertory.

The music program fosters an understanding of music as both a form of artistic expression and a language. Course offerings in the Department acknowledge this and provide the opportunity to pursue music's three interrelated areas: its theory, history, and performance. Students may pursue performance study through individual lessons or in a group setting by joining the Chorale or the Chamber Orchestra. In theory classes, students will develop their understanding of the construction and use of the musical language. Music history courses examine the cultural and sociological role of the art form.

The theatre program is directed toward developing an understanding and appreciation of the interrelationship of actor, script, performing space, and audience. The Department's curriculum centers on courses that explore performance (acting and directing), text (literature and playwriting), and performing space (design and technology), and that recognize—in various considerations of styles, periods, history, standards, and conventions—the essentiality of the audience in completing the theatre circle. Theatre majors are guided through the academic and production programs to hone their specialty area of emphasis while cultivating a generalist approach to theatre. The program is dedicated to exposing each student to the breadth of theatrical expression in their time on campus, emphasizing the best of period and contemporary work and the variety of production styles, while providing an individually crafted program of study and set of experiences that maximizes artistic growth.

Students from all majors and academic programs are welcome to enroll in performing arts coursework and participate in productions and performances.

The Department offers a major in theatre (both BA and BFA options, with tracks of specialization) and minors in dance, music, theatre, technical theatre, and musical theatre.

Dance Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|-----------------------------------|---------------------|
| <i>Two of the following:</i> | | 8 |
| DANC 2226 | History of Dance | |
| DANC 2227 | Dance from Stage to Screen | |
| DANC/MUSC 2228 | World Performance Traditions | |
| <i>One hour from:</i> | | 1 |
| DANC 1111 | Pilates Mat Work | |
| <i>One of the following:</i> | | 4 |
| THTR 1117 | Basics of Design | |
| THTR 1123 | Beginning Acting | |
| <i>Multiple enrollment in one or both of the following:</i> | | 2 |
| THTR 1107 | Production Laboratory | |
| CLAS/THTR 1181 | Greek Drama Production Laboratory | |
| <i>Six hours from the following:</i> | | 6 |
| DANC 1133 | Beginning Contemporary Dance | |
| DANC 1134 | Beginning Ballet | |
| DANC 2233 | Intermediate Contemporary Dance | |
| DANC 2234 | Intermediate Ballet | |
| DANC 2257 | Repertory | |
| DANC 2263 | Jazz Technique | |
| DANC 2264 | Musical Theatre Dance | |
| DANC 3333 | Advanced Dance Technique | |
| Total for Minor in Dance | | 21 |

Music Minor, General Option

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|------------------------------|---------------------|
| <i>Required</i> | | 8: |
| MUSC 1104 | Theory and Musicianship I | |
| MUSC 1105 | Theory and Musicianship II | |
| <i>Two of the following:</i> | | 8 |
| MUSC 2219 | American Music | |
| MUSC 2220 | American Popular Music | |
| MUSC 2226 | Music for the Stage | |
| MUSC 2227 | Women in Music | |
| MUSC/DANC 2228 | World Performance Traditions | |
| MUSC 2229 | Survey of Western Music | |
| <i>Two credit hours from the following ensemble courses:</i> | | 2 |
| MUSC 1133, 1134 | Chorale I, II | |
| MUSC 1172, 1173 | Chamber Orchestra I, II | |
| <i>Two credit hours from private lessons selected from:</i> | | 2 |
| MUSC, 1131, 1147, 1149, 1151, 1159, 1161, 1163, 1165, 1167 | | |
| Total for Minor in Music, General Option | | 20 |

Music Minor, Voice Option

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|------------------|----------------------------|---------------------|
| <i>Required:</i> | | 12 |
| MUSC 1104 | Theory and Musicianship I | |
| MUSC 1105 | Theory and Musicianship II | |

| | | |
|--|------------------------------|-----------|
| MUSC 2242 | Topics in Voice | |
| <i>One of the following:</i> | | 4 |
| MUSC 2219 | American Music | |
| MUSC 2220 | American Popular Music | |
| MUSC 2226 | Music for the Stage | |
| MUSC 2227 | Women in Music | |
| MUSC/DANC 2228 | World Performance Traditions | |
| MUSC 2229 | Survey of Western Music | |
| <i>Two credit hours from the following ensemble courses:</i> | | 2 |
| MUSC 1133, 1134 | Chorale I, II | |
| <i>Two credit hours from private lessons:</i> | | 2 |
| MUSC 1131 | Voice | |
| Total for Minor in Music, Voice Option | | 20 |

Musical Theatre Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|-----------------------------------|---------------------|
| <i>Required:</i> | | 12 |
| DANC 2277 | Dance from Stage to Screen | |
| MUSC 2226 | Music for Stage | |
| THTR 1123 | Beginning Acting | |
| <i>One of the following:</i> | | 4 |
| THTR 2224 | Intermediate/Advanced Acting | |
| THTR 2228 | Movement for the Stage | |
| <i>Multiple enrollment in one or both of the following:</i> | | 2 |
| THTR 1107 | Production Laboratory | |
| CLAS/THTR 1181 | Greek Drama Production Laboratory | |
| <i>Four credit hours of enrollment in MUSC 1131, Voice</i> | | 4 |
| <i>Two hours from the following (variable credit hours):</i> | | 2 |
| DANC 2264 | Musical Theatre Dance | |
| <i>1.5 hours from any of the following:</i> | | |
| DANC 1133 | Beginning Contemporary Dance | |
| DANC 1134 | Beginning Ballet | |
| DANC 2233 | Intermediate Contemporary Dance | |
| DANC 2234 | Intermediate Ballet | |
| DANC 2263 | Jazz Technique | |
| DANC 2264 | Musical Dance Theatre | |
| DANC 3333 | Advanced Dance Technique | |
| Total for Minor in Musical Theatre | | 24 |

Technical Theatre Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|-------------------------------------|---------------------|
| <i>Required:</i> | | |
| THTR 1111 | Stagecraft | 4 |
| THTR 1117 | Basics of Design | 4 |
| THTR 3311 | Design Tech Portfolio | 4 |
| <i>Two of the following:</i> | | 8 |
| THTR 2215 | Lighting Design | |
| THTR 2216 | Scenic Design | |
| THTR 2217 | Sound for Theatre | |
| THTR 2221 | Costume Design & Technology | |
| THTR 2222 | Computer Drafting | |
| <i>One of the Following:</i> | | 4 |
| ARTS 1103 | Introduction to Studio Art | |
| ARTS 1181 | Introduction to Digital Photography | |
| PHYS 2256 | Green Engineering & Design | |
| PHYS 3331 | Electronics Lab | |
| Total for Minor in Technical Theatre | | 24 |

Theatre Major (BA)

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|-----------------------------------|---------------------|
| <i>Required:</i> | | |
| THTR 1111 | Stagecraft | 4 |
| THTR 1117 | Basics of Design | 4 |
| THTR 1123 | Beginning Acting | 4 |
| THTR 2241 | History of Theatre | 4 |
| THTR 2244 | Script Analysis | 4 |
| THTR/ENGL 2276 | Reading Drama | 4 |
| <i>Multiple Enrollment in one or both of the following:</i> | | 3 |
| THTR 1107 | Production Laboratory | |
| CLAS/THTR 1181 | Greek Drama Production Laboratory | |
| <i>Interdisciplinary Core:</i> | | 9 |
| Courses selected must be from ARTH, ARTS, ENGL, MUSC, DANC with two different departments represented and must include one course in artistic expression. | | |
| <i>Three courses from the following:</i> | | 12 |
| THTR 2215 | Lighting Design | |
| THTR 2216 | Scenic Design | |
| THTR 2217 | Sound for Theatre | |
| THTR 2221 | Costume Design & Technology | |
| THTR 2224 | Intermediate/Advanced Acting | |
| THTR 2228 | Movement for the Stage | |
| THTR 2233 | Fundamentals of Directing | |
| THTR 2245 | Stage Management | |
| CLAS/THTR 2275 | Greek Drama | |
| ENGL/THTR 2277 | Shakespeare | |
| ENGL/THTR 2279 | Writing Plays | |
| <i>Senior Program:</i> | | |
| THTR 4493 | Professional Development Seminar | 1 |
| THTR 4494 | Senior Project | 4 |
| Total for BA Degree in Theatre | | 53 |

Theatre Major, BFA in Acting

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|-----------------------------------|---------------------|
| <i>Required:</i> | | |
| THTR 1111 | Stagecraft | 4 |
| THTR 1117 | Basics of Design | 4 |
| THTR 1123 | Beginning Acting | 4 |
| THTR 2224 | Intermediate/Advanced Acting | 4 |
| THTR 2228 | Movement for the Stage | 4 |
| THTR 2235 | Voice & Diction | 4 |
| THTR 2241 | History of Theatre | 4 |
| THTR 2244 | Script Analysis | 4 |
| THTR/ENGL 2276 | Reading Drama | 4 |
| THTR 3347 | Performance Portfolio | 4 |
| <i>Multiple Enrollment in one or both of the following:</i> | | 6 |
| THTR 1107 | Production Laboratory | |
| CLAS/THTR 1181 | Greek Drama Production Laboratory | |
| <i>Interdisciplinary Core:</i> | | 12 |
| Courses selected must be from ARTH, ARTS, ENGL, MUSC, DANC with two different departments represented and must include one course in artistic expression. | | |
| <i>Senior Program:</i> | | |
| THTR 4493 | Professional Development Seminar | 1 |
| THTR 4494 | Senior Project | 4 |
| Total for BFA Degree in Acting | | 63 |

Theatre Major, BFA in Directing

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|-----------------------------------|---------------------|
| <i>Required:</i> | | |
| THTR 1111 | Stagecraft | 4 |
| THTR 1117 | Basics of Design | 4 |
| THTR 1123 | Beginning Acting | 4 |
| THTR 2224 | Intermediate/Advanced Acting | 4 |
| THTR 2233 | Fundamentals of Directing | 4 |
| THTR 2241 | History of Theatre | 4 |
| THTR 2244 | Script Analysis | 4 |
| THTR/ENGL 2276 | Reading Drama | 4 |
| THTR 3337 | Directing Workshop | 4 |
| THTR 3347 | Performance Portfolio | 4 |
| <i>Multiple Enrollment in one or both of the following:</i> | | 6 |
| THTR 1107 | Production Laboratory | |
| CLAS/THTR 1181 | Greek Drama Production Laboratory | |
| <i>Interdisciplinary Core:</i> | | 12 |
| Courses selected must be from ARTH/ARTS, ENGL, MUSC, DANC with two different departments represented and must include one course in artistic expression. | | |
| <i>Senior Program:</i> | | |
| THTR 4493 | Professional Development Seminar | 1 |
| THTR 4494 | Senior Project | 4 |
| Total for BFA Degree in Directing | | 63 |

Theatre Major, BFA in Theatre Design & Technology

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|-----------------------------------|---------------------|
| <i>Required:</i> | | |
| THTR 1111 | Stagecraft | 4 |
| THTR 1117 | Basics of Design | 4 |
| THTR 1123 | Beginning Acting | 4 |
| THTR 2241 | History of Theatre | 4 |
| THTR 2244 | Script Analysis | 4 |
| THTR 2245 | Stage Management | 4 |
| THTR/ENGL 2276 | Reading Drama | 4 |
| THTR 3311 | Design Tech Portfolio | 4 |
| <i>Multiple Enrollment in one or both of the following:</i> | | 6 |
| THTR 1107 | Production Laboratory | |
| CLAS/THTR 1181 | Greek Drama Production Laboratory | |
| <i>Interdisciplinary Core:</i> | | 12 |
| Courses selected must be from ARTH, ARTS, ENGL, MUSC, DANC with two different departments represented and must include one course in artistic expression. | | |
| <i>Two of the following:</i> | | 8 |
| THTR 2215 | Lighting Design | |
| THTR 2216 | Scenic Design | |
| THTR 2217 | Sound for Theatre | |
| THTR 2221 | Costume Design & Technology | |
| THTR 2222 | Computer Drafting | |
| <i>Senior Program:</i> | | |
| THTR 4493 | Professional Development Seminar | 1 |
| THTR 4494 | Senior Project | 4 |
| Total for BFA Degree in Theatre Design and Technology | | 63 |

Additionally for BFA

Students who intend to enroll in the BFA must apply to the program. Audition is required for the acting track and portfolio review for the design and technology or directing tracks. Juried review required at the end of each year to continue in the

program. Students in the theatre BFA are expected to assume a leadership position in multiple productions and to select their additional courses in consultation with their advisor. Students may choose the option to pursue multiple tracks and can receive a BFA in more than one area of study if all the appropriate requirements are completed.

Theatre Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|---------------------|---------------------|
| <i>Required:</i> | | |
| THTR 1111 | Stagecraft | 4 |
| THTR 1123 | Beginning Acting | 4 |
| THTR 2241 | History of Theatre | 4 |
| <i>Three other theatre courses chosen with advisor</i> | | 12 |
| <i>Total for Minor in Theatre</i> | | 24 |

Dance Courses

DANC 1103. Introduction to Dance An introduction to dance as an art form and its role in history and society. Content includes the fundamentals of movement, the elementary techniques of ballet, contemporary, and jazz dance, and exploration of the elements of rhythm, dynamics and spatial awareness. Students will learn through lecture, viewing, reading, and short simple movement experiences. Prior dance experience or training is not required. *Credit hours: 4. (AE)*

DANC 1111. Pilates Mat Work Developed by Joseph Pilates, this body conditioning system enhances flexibility, coordination, and strength. The exercises emphasize breath, core conditioning, and body awareness. Core stability creates proper alignment to promote long, lean muscles. This course focuses on the essential principles and progresses through a series of fundamental exercises. These non-impact exercises are suitable for a broad spectrum of people with varying levels and abilities. *Credit hours: 0.5. No prerequisites. No previous dance experience necessary. May be repeated up to 2 credits. Considered an activity course. Offered on a Pass/Fail basis only. (PE)*

DANC 1133. Beginning Contemporary Dance This course introduces students to beginning contemporary dance technique and movement essentials, such as the locomotive movements of walking, running, slipping, and jumping, and the axial movements of bending, twisting, and turning. *Credit hours: 0.5. Repeatable for credit. (AE, PE)*

DANC 1134. Beginning Ballet This course introduces students to the foundations of ballet technique. *Credit hours: 0.5. Repeatable for credit. (AE, PE)*

DANC 2203. Composition Through classroom study and studio work, students will learn the fundamentals of modern and contemporary dance choreography and develop an awareness of a personal movement vocabulary and style. This course will explore rhythm, design in space, dynamics and motivation, as well as the development of thematic material and the devices used to manipulate that material. Assignments may include prop studies, pre-classic dance forms, site-specific studies, and dance studies set to poetry. *Credit hours: 2. Repeatable for credit. Corequisite: a dance technique course. (AE)*

DANC 2226. History of Dance A survey of the history of Western-based dance forms, beginning with the ancient roots of Western theatrical dance in ancient Egypt and going through to the present. *Credit hours: 4. Offered alternate years. (HE)*

DANC 2227. Dance from Stage to Screen This course investigates dance performance from minstrelsy, vaudeville, Broadway, and Hollywood Musicals. Television, ballet, modern dance, jazz, ballroom, street styles, and social media are also investigated for their cultural significance. *Credit hours: 4. Offered alternate years. (HE)*

DANC 2228. World Performance Traditions An introduction to traditional and popular performance outside the Western art tradition. This course examines performance traditions of various parts of the world including Latin America, Africa, the Middle East, and Asia. Students will gain awareness of the scope of global performance activity in historical, cultural, political, and social contexts. Identical with MUSC 2228. *Credit hours: 4. Offered alternate years: offered Spring 2023, Session 3. (CI, HE)*

DANC 2233. Intermediate Contemporary Dance This course exposes students to a variety of different contemporary dance techniques. Many of these techniques have principles or movement theories at their core, such as contraction/release, fall/recovery, shift of weight, release, etc. *Credit hours: 0.5 or 1. Repeatable for credit. (AE, PE)*

DANC 2234, Intermediate Ballet This course allows students to continue their previous studies in the art and technique of classical ballet. *Credit hours: 0.5 or 1. Repeatable for credit. (AE, PE)*

DANC 2257. Repertory Rehearsal and performance of dance works choreographed by faculty, students, or choreographers from the Helen McGehee Visiting Artist Program. *Credit hours: 1. Repeatable for credit. (AE)*

DANC 2263. Jazz Technique In this course, students encounter jazz dance's roots in African dance forms fused with popular styles, tap rhythms, and ballet-derived coordinations. Class incorporates concepts of motion in movement sequences while using accompanying music ranging from jazz to pop and beyond. Jazz technique includes energetic warm-up exercises and isolations, then progresses across the floor, and culminates in combinations exploring various styles. *Credit hours: 0.5. Repeatable for credit. (AE, PE)*

DANC 2264. Musical Theatre Dance Useful to those interested in performing or choreographing musical theatre productions and/or dance, students establish confidence as stage and screen performers. Class includes stylized warm-up exercises, progressing across the floor with fun but foundational technical exercises referencing the many genres influencing musicals, and culminating in combinations that draw inspiration and music from Broadway-based and off-Broadway musical theatre productions. *Credit hours: 0.5. Repeatable for credit. (AE, PE)*

DANC 3333. Advanced Dance Technique This course allows students to continue their previous dance studies in a variety of techniques and styles. *Credit hours: 0.5 or 1. Repeatable for credit. (AE, PE)*

Music Courses

Courses in performance involving individual instruction are taken for one credit. Students enrolled receive one hour of instruction each week.

All students wishing to study an instrument must consult with the Music Program Head. Students who wish to study voice must audition prior to registration. Ordinarily, new voice students will be placed in MUSC 1129 (voice class) before being considered for MUSC 1131 (private voice lessons).

Students with no previous music study or minimal background may be required to take MUSC 1103 as a prerequisite or corequisite for enrollment in lessons. Lessons in strings, woodwinds, brass, and guitar are subject to the availability of an instructor.

There is no additional charge for music performance lessons to music minors and musical theatre minors who have declared by the end of the first week of the session. All other students taking music performance lessons will be charged \$325 each session for weekly one hour lessons (1 credit). Should the student drop the minor then music performance lesson fees will be charged retroactively for the session.

All music performance lessons and ensembles (MUSC 1131 through 1173, and 2209) are repeatable for credit.

MUSC 1103. Basic Elements of Music An introduction to the components that constitute music. Topics include rhythm, melody, chords, harmony, tonality, scales, phrases, and how to read and write music notation. *Credit hours: 2. Not open to students who have passed MUSC 1107 or the equivalent. Offered Fall, Session 1. (AE)*

MUSC 1104. Theory and Musicianship I An introduction to the terms, structures, and functions of music. After a review of fundamentals, students will study harmonic function, cadences, non-chord tones, part-writing (including melodic analysis and harmonization), and diatonic harmonic analysis. Students will also engage in ear training and sight singing studies designed to provide aural understanding and practical application of theoretical knowledge. *Credit hours: 4. Offered Fall, Session 2. (AE).*

MUSC 1105. Theory and Musicianship II Continued study of harmonic analysis and part-writing in diatonic harmony. Course material includes harmonic progression, cadences, counterpoint, and an introduction to analysis of form and compositional procedures. Students will also engage in ear training and sight singing studies designed to provide aural understanding and practical application of theoretical knowledge. *Credit hours: 4. Offered Spring, Session 3. (AE).*

MUSC 1129. Introduction to Voice Study Designed for students with no college-level voice study. An introduction to the art and science of singing. Topics for discussion include anatomy/physiology of the voice, diet and nutrition, fitness and exercise, and

voice types. Basic principles of vocal technique, musicianship, artistry, communication, posture, diction, breath control, and stage presence are also addressed. *Credit hours: 1. Prerequisite: permission of instructor. Offered Fall, Session 2. (AE)*

MUSC 1131. Voice *Credit hours: 1. Prerequisite: by audition only. Lesson Fee. (AE)*

MUSC 1133, 1134. Chorale I, II A major performing ensemble which presents sacred and secular choral music of all periods. Concerts include Showcases, Candlelight Concert and Spring Concert, and occasional shorter, community performances. *Credit Hours: 0.5, 0.5. Prerequisite: by audition only. Offered in successive sessions each semester. (AE)*

MUSC 1147. Piano *Credit hours: 1. Prerequisite: permission of instructor. Lesson fee. (AE)*

MUSC 1149. Organ *Credit hours: 1. Prerequisite: permission of instructor. Lesson fee. (AE)*

MUSC 1151. Strings *Credit hours: 1. Prerequisite: permission of instructor. Lesson fee. (AE)*

MUSC 1159. Guitar *Credit hours: 1. Prerequisite: permission of instructor. Lesson fee. (AE)*

MUSC 1161. Woodwinds *Credit hours: 1. Prerequisite: permission of instructor. Lesson fee. (AE)*

MUSC 1163. Brass *Credit hours: 1. Prerequisite: permission of instructor. Lesson fee. (AE)*

MUSC 1165. Drumset *Credit hours: 1. Prerequisite: permission of instructor. Lesson fee. (AE)*

MUSC 1167. Percussion *Credit hours: 1. Prerequisite: permission of instructor. Lesson fee. (AE)*

MUSC 1172, 1173. Chamber Orchestra I, II Concerts may include Showcases, Candlelight Concert, and Spring Concert. *Credit Hours: 0.5, 0.5. Prerequisite: by audition only. Repeatable for credit. Offered in successive sessions each semester. (AE)*

MUSC 2206. Theory and Musicianship III Introduction to contrapuntal procedures and continued study of harmonic analysis and part-writing including secondary function, chromatic harmony, and modulation. Students will also engage in ear training and sight singing studies designed to provide aural understanding and practical application of theoretical knowledge. *Credit hours: 4. Offered as needed. (AE).*

MUSC 2209. Composition An exploration of musical composition through the elements of melody, harmony, rhythm, orchestration, and form. Projects include creating new musical works for various solo instruments, voices, and ensembles. Instruction is conducted by individual private lessons. May be repeated. *Credit hours: 1. Prerequisite: MUSC 1104. Lesson fee.*

MUSC 2219. America's Music In this course, the varieties of music that have been heard in the United States from colonial times through the early 20th century will be surveyed. The works that the students listen to and discuss span four centuries of music making, ranging from music of indigenous Americans to spirituals, from ballads and traditional fiddle tunes to the concert stage. *Credit hours: 4. Offered alternate years. (HE)*

MUSC 2220. American Popular Music A survey of societal trends, culture, and popular musical styles in the United States beginning from the 1890s to present day. Genres covered include ragtime, blues, jazz, rock and roll, pop, and hip-hop. *Credit hours: 4. Alternate years: offered Fall 2022, Session 1. (CI, HE, WI)*

MUSC 2226. Music for the Stage An introduction to music composed and performed for stage productions, including opera, ballet, and musical theatre. *Credit hours: 4. Offered Fall 2022, Session 2. (HE).*

MUSC 2227. Women in Music A survey of the roles and achievements of women in the history of Western music. Students will consider social and historical perspectives, examining how attitudes have developed toward women in music and how women have achieved renown in the field. Study of classical music genres will comprise the first half of the session, exploring women as performers, composers, teachers, conductors, and patrons. The second half will cover contemporary genres: pop/rock, jazz and blues, folk/country, and rap/hip-hop. *Credit hours: 4. Offered alternate years. (CI, HE, WI)*

MUSC 2228. World Performance Traditions An introduction to traditional and popular music outside the Western art music tradition. This course examines musical traditions of various parts of the world including Latin America, Africa, the

Middle East, and Asia. Students will gain awareness of the scope of global musical activity in historical, cultural, political, and social contexts. *Credit hours: 4. Alternate years: offered Spring 2023, Session 3. (CI, HE)*

MUSC 2229. Survey of Western Music The history of western music from the Middle Ages through the present. Discussion, which uses analyses of works and biography as points of departure, will be directed toward considerations of the development of the major style periods. *Credit hours: 4. Offered alternate years. (HE)*

MUSC 2242. Topics in Voice In depth exploration of specific topics related to voice study, including (but not limited to) vocal pedagogy and phonetic study of language diction. *Credit hours: 4. Offered at the discretion of the Department.*

Theatre Courses

THTR 1107. Production Laboratory Practical experience with departmental productions in the area of performance, stage management, technical production, and/or theatrical design. Placement will be decided by an interview by the instructor in conjunction with department faculty and/or assignment to a specific project with a current production. A minimum number of laboratory hours will be required for satisfactory completion of the assignment or project. The amount of laboratory hours shall be based upon the nature of the project and dependent upon the credit hours selected. *Credit hours: 1 or 2 (stage management or crew head only). Prerequisite: permission of the Department. Offered on a Pass/Fail basis only. Repeatable for credit.*

THTR 1111. Stagecraft An introduction to stage scenery, theatrical technology, terminology, and common standards and practices. The methodology and engineering of scenic and technical elements will be introduced. Students will develop an informed appreciation of theatrical productions and technical theatre professions. Formal and self-scheduled laboratories provide hands-on learning with departmental productions. *Credit hours: 4. (AE)*

THTR 1117. Basics of Design An introduction to the principles of design as they apply to performance and the design process. This is a project-based class in which students will practice the basic techniques of costume, scenery, and lighting design. Practical experience with departmental productions. *Credit hours: 4. (AE)*

THTR 1123. Beginning Acting This course explores the process of preparing for a role. Through improvisational exercises and scene study, students explore approaches to the creative state, discovering physical actions, defining simple objectives, developing powers of observation, character development, expressing the super-objective, communicating subtext and the magic if. The course culminates in a final scene presentation. *Credit hours: 4. (AE)*

THTR 1142. Introduction to Theatre A general orientation to dramatic and theatrical conventions, theatre periods and styles, dramatic genres, theatre organization and production. The roles of audience, actor, director, playwright, and designer. The reading and discussion of plays and musicals. Viewing and reviewing the play in production. *Credit hours: 4. (AE)*

THTR 1181. Greek Drama Production Laboratory This course is open to students who are full-time members of the cast or crew of the Greek Play but not enrolled in CLAS/THTR 2275. It provides practical experience with the production of an ancient play. Identical with CLAS 1181. *Credit hours: 1 or 2. Prerequisite: permission of instructor. Alternate years. Offered on a Pass/Fail basis only. Repeatable for credit.*

THTR 2212. Topics in Theatre Specialized study in areas of theatre technology, production, styles, or genres. Depending upon topic, course work may extend from a minimum of four weeks to the entire semester and may call for practical experience with departmental/Sock & Buskin and senior theatre majors' productions. *Credit hours: 1, 1.5, 2, or 3. Prerequisite: permission of instructor. Offered at the discretion of the Department. May be repeated for credit when topic differs.*

THTR 2215. Lighting Design An introduction to stage lighting, including the study of elementary electricity, optics, manual and computerized control, and the principles of lighting design. Exploration of the process of lighting through the analysis of design choices and development of lighting designs using standard graphic conventions. Practical experience with departmental productions. *Credit hours: 4. Alternate years. (AE)*

THTR 2216. Scenic Design An introduction to the design of theatrical scenery. Basic design techniques to be explored include thumbnail studies, scaled drafting of ground plans and design drawings, architectural rendering, paint elevations, and scale model building. Practical experience with departmental productions. *Credit hours: 4. Prerequisite: THTR 117. Alternate years: offered Fall. (AE)*

THTR 2217. Sound for Theatre An introduction to sound as a design element in stage production, the aural landscape, recording and sound creation techniques, sound reinforcement and reproduction in performance. *Credit hours: 4. Prerequisite: THTR 1117 or permission of instructor. Alternate years. (AE)*

THTR 2221. Costume Design and Technology. An introduction to the art of design with specific emphasis on its relation to costuming for the theatre. Students will explore the use of various media and techniques used for the creation of costume design. A variety of rendering techniques may be explored including collage, watercolor, and transfer drawing. Students will also receive an introduction to costume construction techniques for the stage. Topics include basic stitching technique for costume construction, identification and use of costume shop tools and equipment, shop safety and protocols, and professional wardrobe practices. Work on department productions is required. *Credit hours: 4. Prerequisite: THTR 117. Alternate years: offered Fall 2022, Session 2. (AE)*

THTR 2222. Computer Drafting An introduction to computer aided drafting. This is a project-based course in which students will use programs such as AutoCAD, Vectorworks, Google SketchUp, and a photo editing software. This course is open to all majors and minors. *Credit hours: 4. Alternate years: offered Spring 2022.*

THTR 2224. Intermediate/Advanced Acting This course builds upon the foundation laid in Fundamentals of Acting. Through movement and vocal exercises, scene study and topic specific exercises, this course introduces students to performing in a variety of styles and techniques, including the acting methods of Laban, Meisner, Chekov, Suzuki and Anne Bogart's Viewpoints, and addresses non-traditional, verse, absurdist and post-modern texts. The class runs on a three-semester cycle that rotates the subject matter every three semesters. The course culminates in a presentation of final scenes. *Credit hours: 4. Prerequisite: THTR 1123 or permission of instructor. May be repeated for credit with consultation with the instructor required beyond twelve credit hours.*

THTR 2228. Movement for the Stage This course aims to further the development of artistic expression through movement and body awareness. Students will learn the importance of physical expression as it relates to creating acting choices and other theatrical principles. The class will achieve this through the exploration of techniques such as core strengthening, conditioning, Suzuki, Laban, yoga, flexibility, stage combat, dance, visualization/movement exercises, clowning/mask, and monologue/scene work. The course will also work to foster a collaborative approach to theatre through partner and ensemble projects. *Credit hours: 4. May be repeated for up to eight credit hours. Prerequisite: sophomore standing or permission of instructor. Alternate years. (AE, PE)*

THTR 2233. Fundamentals of Directing Detailed play analysis. Development of the director's concept. Instruction in stage composition, picturization, movement, rhythm, and pantomimic dramatization. Direction of scenes from outstanding contemporary plays. *Credit hours: 4. Prerequisite: THTR 1117 and 1123 or permission of instructor. Alternate years: offered Fall 2022, Session 1.*

THTR 2235. Voice and Diction Voice and diction will develop student ability in vocal production and enhance clarity in public presentations. Students will be introduced to the International Phonetic Alphabet (IPA) and will address individual regionalisms. Students will improve their vocal power and clarity through physical and vocal exercises as well as individual presentations. *Credit hours: 4. May be repeated for credit up to a maximum of eight hours. May meet concurrently with MUSC 2235 for the first half of the session. Alternate years: offered Fall.*

THTR 2241. History of Theatre A detailed survey of Western theatre in form and style with emphasis on production techniques and forces affecting the development of the theatre as a cultural phenomenon. *Credit hours: 4. Prerequisite: Any 4-credit 1100-level theatre course or permission of instructor. Alternate years: offered Spring. (HE)*

THTR 2244. Script Analysis Play analysis techniques for dramatic literature from a variety of historical periods. Students will focus on language and structure created by playwrights with special attention given to dramaturgical conventions of various epochs. *Credit hours: 4. Prerequisite: any 4-credit 1100-level theatre course. Alternate years.*

THTR 2245. Stage Management An introduction to theatre organization and the forms and procedures of managing for the stage, including pre-planning, the rehearsal process, production management, and running a performance. Students will focus on organization and communication skills and the stage managers role in the production process. Practical experience with departmental productions. *Credit hours: 4. Prerequisite: 1100-level theatre course or permission of instructor. Alternate years: offered Spring.*

THTR 2275. Greek Drama The tragedies of Aeschylus, Sophocles, and Euripides and the comedies of Aristophanes studied in the context of ancient theatrical conventions, with an emphasis on theories and practices of performance. In-depth study of the play in production as the Greek Play, with required student participation (in any of a number of capacities) to put principles of the class into action. Identical with CLAS 2275. *Credit hours: 4. Alternate years. (AE, HE)*

THTR 2276. Reading Drama A study of tragedy, comedy, and other varieties of works for the theatre, with attention given to historical and social context. Students will examine periods such as the Restoration, types such as melodrama, and movements such as theatre of the absurd. Attendance at screenings and at live productions by the theatre department may be required. Representative authors may include Sophocles, Behn, Ibsen, Shaw, and O'Neill. Identical with ENGL 2276. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. (AE, WI)*

THTR 2277. Shakespeare An introductory course dealing with the principles of Renaissance stagecraft, the nature of performance, the construction and themes of the plays, and the concept of genre or type. Representative plays in all genres from throughout Shakespeare's career. Identical with ENGL 2277. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. (AE, WI)*

THTR 2279. Writing Plays In this course, students learn how to structure a scene, how to structure a play, how to create, hold, and release the tension of a dramatic moment through taut and convincing dialogue, how to create characters that an audience will identify with and care about. Through the reading of modern and contemporary plays, both short and full length, students will study the ways that highly accomplished playwrights solve the problems presented by a variety of dramatic situations, and will begin to implement into their own scenes and plays the elements of the craft that they discover. Identical with ENGL 2279. *Credit hours: 4. Prerequisite: THTR 1142 or permission of instructor. Alternate years. (AE, WI)*

THTR 3311. Design/Technology Portfolio This class will focus on presenting a polished and professional physical portfolio as well as the skills needed to be effective in design presentations and production meetings. The course will seek to further develop previous work and to help student designers and technicians build their professional image through mock presentations, interviews, and adjudications by guest artists. *Credit hours: 4. Prerequisite: THTR 2201; 2215; 2216; 2217; 2219 or 3348. May be repeated for credit. Alternate years.*

THTR 3337. Directing Workshop Further study and practice of concepts and techniques developed in Fundamentals of Directing (Theatre 233). Detailed examination and application of twentieth-century directing theories. Direction of short plays or scenes from classic and modern plays. *Credit hours: 4. Prerequisite: THTR 1142 and 2233. May be repeated for credit. Offered as needed.*

THTR 3347. Performance Portfolio This course is the pre-professional training that acting and directing students need to prepare them for graduate school and job pursuits. Actors will explore the skills and techniques that encourage effective auditioning. For them, the class will focus on personal preparation, script analysis, cold reading, effective interview techniques, receiving directorial adjustments, and monologue work. Resume preparation and headshot selection will also be touched upon. For directors, the class will guide each student through the process of creating their own directing portfolio and resume. Both actors and directors will develop the flexibility and confidence to handle actual job interviews and auditions. *Credit hours: 4. Prerequisite: THTR 1123 or 2233. Alternate years: offered Fall.*

THTR 4493. Professional Development Seminar Seniors will use resume, interview, portfolio, and audition skills developed in THTR 3347/THTR 3311 to prepare for the actual process of applying for graduate school/professional theatre work through conferences like Southeastern Theatre Conference, Unified Professional Theatre Auditions, and University Resident Theatre Association. The instructor will guide each student through their individual process of applying for postgraduate opportunities. *Credit Hours: 1. Prerequisite: permission of the department.*

THTR 4494. Senior Project Senior Project includes directed work in one or more of the following areas as arranged with the Department—design, technical production, management, directing, acting, playwriting, or dramatic literature. Seminar study and research. *Credit hours: 4. Prerequisite: permission of the Department.*



PHILOSOPHY: SEE COMPARATIVE PHILOSOPHY



PHYSICAL EDUCATION

Faculty: Meghan Halbrook, Carolyn Sarson

Full-Time Staff and Coaches: Bernadette Connor, Adam Godwin, Pete Hamilton, Steve Lanpher, Lee Lewis, Kara Matthews, Jamie Megginson, Kevin Porterfield, Ryan Purrington, Andy Sinclair, Kasdyn Waldron

Physical education is a very important part of the student's overall development. The program includes a number of academic and activity courses aimed at increasing the understanding of lifetime fitness and skills as well as a variety of wellness-orientated activities. Students may earn a maximum of eight credit hours in physical education activity courses toward the 124 hours required for graduation.

The Sport and Exercise Studies program focuses on introducing students to a framework of knowledge in areas supporting sport and exercise. A broad intellectual base challenges our students to explore foundations of personal health and fitness, and sport administration, with multidimensional courses such as kinesiology, motor development, sport nutrition, sport management, and sport psychology. The integration of our classroom, laboratory, and field experiences with the college's general education program provides a well-rounded liberal arts education experience.

Sport and Exercise Studies graduates will be prepared for master's programs such as exercise science, health promotion, coaching, athletic training, sport management, sport psychology, and therapeutic recreation. Furthermore, our graduates will be well-equipped to enter directly into careers in community, clinical, and corporate sport and exercise settings. Senior capstone and internship components are significant aspects of the educational experiences. In culmination of the senior year, students will orally present a literature review paper of a topic of interest in sport and exercise studies. The required internship experience allows the students to gain first-hand experience in a discipline of choice related to sport and exercise professions.

Students are encouraged to supplement the Sport and Exercise Studies major with a minor that supports their area of interest. Minors in biology, business, dance, communication studies, psychology, or sociology provide additional opportunities to expand knowledge in areas supporting sport and exercise studies.

There is only one major in the Department: Sport and Exercise Studies. However, students are able to choose an emphasis to focus their coursework within the major in either health and fitness or coaching and sport performance. A student can only choose one of the following tracks. Either a major in Sport and Exercise Studies with a Health and Fitness track emphasis or a major in Sport and Exercise Studies with a Coaching and Sport Performance track emphasis. There are a number of core course requirements that all students within the major will complete, as these courses are essential to the content and understanding of the Sport and Exercise Studies field as a whole. The Sport and Exercise Studies faculty are committed to the encouragement of engaging specific student interests while also producing students who are capable of embarking in their live and future careers with a holistic and comprehensive approach to knowledge and application in their chosen path.

Sport and Exercise Studies Major with an Emphasis in Health and Fitness

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|------------------------------|---|---------------------|
| <i>Required:</i> | | |
| BIOL 1103-1100LR | Introductory Biology and Lab | 4 |
| OR BIOL 1108-1100L | Human Biology and Lab | |
| BIOL 2203-2203L | Physiology and Lab | 4 |
| SES 1141 | Professional Issues in Sport and Exercise Studies | 1 |
| SES 1143 | First Aid and Safety | 2 |
| SES 1163 | Nutrition and Fitness Performance | 4 |
| SES 1165 | Lifetime Wellness | 4 |
| SES 2261 | Exercise Physiology | 4 |
| SES 3361 | Kinesiology | 4 |
| SES 3362 | Exercise Testing and Prescription | 4 |
| <i>One of the following:</i> | | |
| SES 1161 | Introduction to Athletic Training | |
| SES 2264 | Evaluation of Athletic Injuries | |
| <i>Two of the following:</i> | | |
| SES 2206 | Essentials of Strength and Conditioning | 8 |
| SES 2241 | Exercise Adherence and Compliance | |

| | | |
|--|--|------------------|
| SES 3307 | Motor Learning and Development | |
| SES 3342 | Psychology of Injury | |
| <i>Activity classes:</i> | | |
| DANC 1133 or 1134 | Beginning Contemporary Dance or Beginning Ballet | .5 |
| P ED 1106 | Aquatic Fitness and Conditioning | .5 |
| P ED 1117 | Weight Training | .5 |
| <i>Senior Seminar and Internship Experiences</i> | | |
| SES 4494 | Senior Seminar | 4 |
| Experiential Learning (EX L) in an appropriate area* | | 1-4 |
| Total for BA Degree in Sport and Exercise Studies | | 49.5-52.5 |

**Internships must be pre-approved by the Director of the Sport and Exercise Studies program or the student's major advisor. The internship experience must be completed by the end of first semester senior year. Summer internships are also acceptable.*

Sport and Exercise Studies Major with an Emphasis in Coaching and Sport Performance

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|---|---------------------|
| <i>Required:</i> | | |
| BIOL 1103-1100L | Introductory Biology and Lab | 4 |
| or BIOL 1108-1100L | Human Biology and Lab | |
| SES 1141 | Professional Issues in Sport and Exercise Studies | 1 |
| SES 1143 | First Aid and Safety | 2 |
| SES 1163 | Nutrition and Fitness Performance | 4 |
| SES 1165 | Lifetime Wellness | 4 |
| SES 1166 | Sport Psychology | 4 |
| SES 2261 | Exercise Physiology | 4 |
| SES 3307 | Motor Learning and Development | 4 |
| SES 3364 | Social and Ethical Issues in Sport | 4 |
| <i>Three of the following:</i> | | 12 |
| SES 2204 | Leadership and Organizational Dynamics | |
| SES 2241 | Exercise Adherence and Compliance | |
| SES 2262 | LGBTQ+ Experiences in Sport | |
| SES 2263 | Sport Management | |
| SES 3342 | Psychology of Injury | |
| MAC 2205 | Media, Culture and Sport | |
| <i>Activity classes:</i> | | |
| DANC 1131, 1132, 1141, or 1142 | Elementary Dance or Ballet Technique | .5 |
| P ED 1106 | Aquatic Fitness and Conditioning | .5 |
| P ED 1117 | Weight Training | .5 |
| <i>Senior Seminar and Internship Experiences</i> | | |
| SES 4494 | Senior Seminar | 4 |
| Experiential Learning (EX L) in an appropriate area* | | 1-4 |
| Total for BA Degree in Sport and Exercise Studies | | 49.5-52.5 |

**Internships must be pre-approved by the Director of the Sport and Exercise Studies program or the student's major advisor. The internship experience must be completed by the end of first semester senior year. Summer internships are also acceptable.*

Minor in Sport and Exercise Studies

This minor is designed to provide courses in various fields of study that address health and fitness and sport performance. Especially recommended for students interested in health and fitness related fields and in coaching.

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|------------------------------|--------------------------------------|---------------------|
| <i>Six of the following:</i> | | |
| BIOL 1108 or 2203 (with lab) | Human Biology or Physiology with Lab | 4 |
| MAC 2205 | Media, Culture and Sport | 4 |
| SES 1143 | First Aid and Safety | 2 |
| SES 1161 | Introduction to Athletic Training | 4 |

| | | |
|--|---|--------------|
| SES 1163 | Nutrition and Fitness Performance | 4 |
| SES 1165 | Lifetime Wellness | 4 |
| SES 1166 | Sport Psychology | 4 |
| SES 2204 | Leadership and Org Dynamics in Sport | 4 |
| SES 2206 | Essentials of Strength and Conditioning | 4 |
| SES 2241 | Exercise Compliance and Adherence | 4 |
| SES 2261 | Exercise Physiology | 4 |
| SES 2262S | LGBTQ+ Issues in Sport (online) | 4 |
| SES 2263 | Sport Management | 4 |
| SES 2264 | Evaluation of Athletic Injuries | 4 |
| SES 3307 | Motor Learning and Development | 4 |
| SES 3342 | Psychology of Injury | 4 |
| SES 3364 | Social and Ethical Issues in Sport | 4 |
| Total for the minor in Sport and Exercise Studies | | 22-24 |

Activity Courses

All activity courses are .5 credit hours, unless otherwise indicated, are offered on a pass/fail basis only and all may be repeated for credit. A maximum of 8 credit hours in physical education activity courses may count in the 124 required for a degree.

Courses in the 1100's denote beginning level of skill; 2200's denote intermediate level. Courses in the 4400's are team level. A student who is unable, because of physical limitations, to participate in the regular program of activities may take Physical Education 1101, which will be designed to meet individual needs and interests.

P ED 1103. Adapted Activities An individualized program of physical activities for the student with health limitations.
Credit hours: .5 Offered as needed. Prerequisite: permission of instructor. (PE)

P ED 1105. Yoga (PE)

P ED 1106. Aquatic Fitness and Conditioning (PE)

P ED 1110. Fitness Walking (PE)

P ED 1111. Cardio Fitness Activities (PE)

P ED 1116. Disc Golf (PE)

P ED 1117. Weight Training (PE)

P ED 1118. Organic Gardening (PE)

P ED 1120. Self Defense (PE)

P ED 1125. Beginning Tennis (PE)

P ED 1130. Rock Climbing (additional fee) (PE)

P ED 1135. Tai Chi (PE)

P ED 1136. Scuba Diving *Prerequisite: must know how to swim. Additional fee. (PE)*

P ED 1146. Beginning Fencing (PE) *Additional fee*

P ED 1147. Intermediate Fencing *Prerequisite: P ED 122 or permission of instructor. Additional fee. (PE)*

Team Courses - Registration for all teams requires permission of instructor.

P ED 4420. Indoor Track Team *Credit hours: .5 per session of participation. Offered Session 3. (PE)*

P ED 4422. Outdoor Track Team *Credit hours: .5 per session of participation. Offered Session 4. (PE)*

P ED 4425. Tennis Team *Credit hours: .5 per session of participation. Offered session 1, 2 and 4. (PE)*

P ED 4428. Lacrosse Team *Credit hours: .5 per session of participation. Offered Sessions 3 and 4. (PE)*

P ED 4430. Basketball Team *Credit hours: .5 per session of participation. Offered Sessions 2 and 3. (PE)*

P ED 4432. Swim Team *Credit hours: .5 per session of participation. Offered Session 1, 2 and 3. (PE)*

P ED 4433. Volleyball Team *Credit hours: .5 per session of participation. Offered Sessions 1 and 2. (PE)*

P ED 4434. Soccer Team *Credit hours: .5 per session of participation. Offered Session 1 and 2. (PE)*

P ED 4435. Cross Country Team *Credit hours: .5 per session of participation. Offered Session 1 and 2. (PE)*

P ED 4437. Softball Team *Credit hours: .5 per session of participation. Offered Sessions 3 and 4. (PE)*

Academic Courses

SES 1141. Professional Issues in Sport and Exercise Studies This 1-credit undergraduate course provides students majoring in Sport and Exercise Studies a comprehensive overview of the SES field. Students will also be exposed to

professional organizations within the field of SES, practical elements of their major, research experience and application. Through participation in this course, students will develop experiences and materials that will help enhance their career opportunities. *Credit hours: 1. Offered Session 1.*

SES 1143. First-Aid and Safety This course uses lectures, demonstrations, and video with hands-on training and practice. Participants in this course learn to recognize and respond to emergencies including, but not limited to, shock, cardiac, and breathing emergencies for adults, children and infants. Students will gain First-Aid, CPR, and AED certification. *Credit hours: 2. Offered Session 4. Additional fee for certification card.*

SES 1161. Introduction to Athletic Training An introductory course that explores a variety of common athletic injuries and focuses on prevention, care, and rehabilitation. Other issues such as fitness, nutrition, and psychological effects of injury will be briefly discussed. Laboratory experience in taping and first-aid techniques will be included. *Credit hours: 4. Offered Session 2*

SES 1163. Nutrition and Fitness Performance The course will explore general nutrition with emphasis on how food intake choices relate to health and exercise performance. Special issues such as diabetes; cardiovascular disease; obesity; food allergies; protein, vitamin, and mineral supplementation; weight control; and fad diets will be discussed. *Credit hours: 4. Offered Session 1.*

SES 1165. Lifetime Wellness This course introduces various dimensions of wellness including lifestyle choices that directly influence physical and emotional health. Health issues such as diabetes, cancer, coronary artery disease, stress, weight control, environmental health, and substance abuse will be discussed in the realm of prevention and recognition of effects on total wellness. *Credit hours: 4. Offered Session 2.*

SES 1166. Sport Psychology This course prepares students to deal with psychological principles related to sport and performance. Students will study the various aspects of sports psychology (stress, anxiety, arousal, leadership, group dynamics, relaxation, motivation, personality, etc.). *Credit hours: 4. Offered Session 4.*

SES 1175. Sport and Spectacle This course explores the ancient roots of modern athletics and mass entertainment through analyses of texts, works of art, and the archaeological settings of sport and spectacle that highlight their essential role in ancient societies. The Olympic games asserted Greek identity, civic virtue and competitive spirit; gladiatorial combat and chariot racing defined relationships between Romans and others, rulers and subjects. Identical with CLAS 1175. *Credit hours: 4. Alternate years: offered Fall. (HE)*

SES 2204. Leadership and Organizational Dynamics This course will examine the interactions and relationships between leadership and organizational culture within sporting institutions and sports teams. Primary topic areas covered include leadership styles, personality, diversity issues, motivation, levels of administration, conflict resolution, and creating positive change. Students will also have the opportunity to analyze the subject matter and develop their own leadership philosophy. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years: Offered Spring 2023, Session 4.*

SES 2206. Essentials of Strength and Conditioning This course addresses the basic principles of strength and conditioning including power, agility, speed, hypertrophy, flexibility and endurance training methods. Students will have the opportunity to develop fitness programs with practical application of knowledge through a needs analysis. Students will also learn how to adapt conditioning programs for special areas such as obesity, elderly, children, pregnancy, injury and back pain. *Credit hours: 4. Prerequisite: Sophomore standing. Alternate years: offered Spring 2022, Session 3.*

SES 2241. Exercise Adherence & Compliance This course will be a lecture/seminar course. Students will learn about factors that contribute to the relationship between psychosocial factors and exercise. There is a focus on both theory (understanding research) and application (practicing). As such, this course requires exploratory readings and requires students to learn new skills (interviewing, self-monitoring, journaling, behavior change). *Credit hours: 4. Prerequisite: Sophomore standing. Alternate years: offered Fall 2021, Session 1.*

SES 2261. Exercise Physiology A study of the human body's physiological adaptations to short-term and long-term exercise. Areas of study include energy metabolism, musculoskeletal function, cardiovascular and respiratory responses and adaptations, environmental factors (altitude, heat, cold), neurological control, and general conditioning principles including the development of coordination, agility, power, balance, and speed as they pertain to exercise. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Offered Session 1.*

SES 2262S. LGBTQ+ Experiences in Sport This course will review the participation history of LGBTQ+ athletes. Furthermore, the course will explore the social, political, economic, and cultural constraints that have been placed on these athletes, and their attempts to transcend such limitations. The class will use gender as a means of understanding the evolution of LGBTQ athletes in sport, particularly with regard to issues of femininity, masculinity, and homonegativity. *Credit hours: 4. Summer online course. (CI)*

SES 2263. Sport Management The course will involve a study of sport industry roles and functions including collegiate, high school, professional, youth and community sport settings. Areas of content will include facility and event management, risk management, marketing, financing, sponsorship, communications and legal and ethical issues as they pertain to sport industry settings. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years: Offered Fall 2022, Session 1.*

SES 2264. Evaluation of Athletic Injuries A study of evaluative assessment of specific joint injuries. Topics include joint and muscle anatomy and mechanics, biomechanical effectiveness of human movement, etiological evaluations, and specialized testing of specific injuries and anatomical deficiencies. *Credit hours: 4. Prerequisite: SES 1161 or permission of instructor. Alternate years: Offered Spring 2023, Session 3.*

SES 3307. Motor Learning and Development This course will discuss motor development throughout the lifespan. Students will be able to trace the path of motor development and discuss the implications of general principles for appropriate physical education and movement specialist strategies to enhance motor skill learning. Special attention will be paid to motor learning in the preK-12 and special needs populations. *Credit hours: 4. Prerequisite: sophomore standing. Offered Session 3. (WI)*

SES 3342. Psychology of Sport Injury This course will explore the theory and research related to the psychological aspects of injury and injury rehabilitation. The focus is on theory and application. Intake interviews and case studies will be used to explore assessment and intervention approaches relevant for different levels of sport medicine as well as other sport and exercise professionals. *Credit hours: 4. Prerequisite: PED 1166 or Junior standing. Alternate years: Offered Spring 2022, Session 4.*

SES 3361. Kinesiology This course examines human anatomy and function of the musculoskeletal systems and mechanical aspects of human movement analysis as it relates to physical activity, exercise, and sport. Students will be able to analyze joint actions, muscle actions, and mechanical principles that apply to specific sport and exercise movements. *Credit hours: 4. Prerequisite: junior standing or permission of instructor. Offered Session 2.*

SES 3362. Exercise Testing and Prescription This course prepares students in developing knowledge and skills to effectively administer health appraisals and fitness tests in measuring cardiovascular endurance, muscular fitness, flexibility, and body composition in varied populations of healthy individuals. Topics include medical/health screening, exercise program development, and related discussions on diabetes, pregnancy, coronary heart disease, arthritis, low back pain, children, and the elderly in exercise assessment and prescription. *Credit hours: 4. Prerequisites: SES 1163 and 2261 and junior standing or permission of instructor. Offered Session 3.*

SES 3364. Social and Ethical Issues in Sport This course examines the function of sports in contemporary American Society. Students will perform a critical analysis of sport-related controversies, and study the ethical considerations used in decision-making. As an upper level course, students will be expected to read and comprehend advanced material, contribute meaningfully to class discussions, and exhibit personal involvement in order to complete course objectives. *Credit hours: 4. Prerequisite: junior standing or permission of instructor. Offered Session 3. (WI)*

SES 3394. Research in Sport and Exercise Studies Students will have the opportunity to participate in conducting research projects in conjunction with a faculty member in the Sport and Exercise Studies Department. Students will learn the research preparatory process, research methods, qualitative and statistical software, and journal submission guidelines. Research results will be transcribed, developed, and analyzed as well as presented and published in some cases. *Credit hours: 1-2. Prerequisite: Permission of the instructor. May be repeated for credit up to a maximum of 4 hours.*

SES 4494. Senior Seminar for Sport and Exercise Studies Students will explore readings and engage in discussions on current trends in sport and exercise studies. Students orally present a literature review paper on a topic area of interest in relation to sport and exercise studies. *Credit hours: 4. Prerequisite: senior standing. Offered Session 2 and Session 4.*

Coaching and Sport Leadership Graduate Program

Faculty: Meghan Halbrook, Carolyn Sarson

The coaching and sport leadership MA program is a one-year, 36-credit intensive program that focuses on introducing students to an established framework of knowledge surrounding sport, coaching, and leadership disciplines. A broad intellectual base challenges our students to explore foundations of their own values and beliefs in an effort to create thoughtful, knowledgeable, and adaptable coaches and sport leaders. The integration of the classroom, laboratory, and field experiences will be offered as either a fully online program or as a blended, residential option.

Graduates will be prepared for entry into the wide variety of coaching or sport leadership occupations, such as health promotion, wellness management, athletic administration, sport psychology, sport sociology, officiating, and of course, coaching. Additionally, students will have the opportunity to participate in research, setting them up for admittance into more advanced graduate education.

A capstone course and practicum component are significant aspects of the educational experiences for our students. In culmination of the practicum experience students will orally present their leadership philosophies, important research, as well as their personal experiences within their coaching and/or leadership roles. The required practicum experience allows the student to gain first-hand experience in a population or organization of choice related to coaching and sport leadership.

Students with a variety of undergraduate disciplines are encouraged to apply.

Academic Standing: MACSL

Graduate students must maintain a minimum cumulative GPA in order to meet satisfactory academic progress standards. As a part of the academic progress review each session, MACSL students must meet the academic standing criterion defined as a cumulative grade point average of 3.0. Candidates who do not meet this standard will be placed on academic probation. The student must attain the appropriate minimum cumulative GPA by the close of the subsequent seven-week session or the student may be declared ineligible to continue at the College. Academically ineligible students will be notified by the Program Director and may submit a written appeal to continue to the Board of Review through the Associate Provost. Students whose appeals are successful will be notified by the Board of Review.

Any student earning more than six hours with grades of C or below must retake courses as needed to bring the student back up to the program requirements.

Admission Requirements: see Admission.

Course Load: MACSL

For full-time status, a student normally maintains a course load of at least 4-8 credits each seven-week session. The residential program may be completed only on a full-time, cohort-style, degree seeking basis. Online program students may be full-time, degree seeking or part-time, non-degree seeking.

Financial Aid/Loan Information: see Student Financial Services.

Graduation Application and Information: MACSL

Master's degree candidates should complete degree applications by October 1 of the Fall semester for May commencement. Information obtained from the degree applications is used in the ordering of diplomas and preparing the Commencement Program. Degree completion date is in May, culminating with a Commencement exercise at Randolph College in Lynchburg, VA.

Requirements for the Degree: MACSL

Randolph College confers the Master of Arts in Coaching and Sport Leadership degree. Requirements for the degree are:

1. 36 credit hours of graduate coursework must be completed.
2. A maximum of 6 credit hours may be transferred to Randolph College at the graduate level.
3. All requirements, including transfer courses, must be completed within a period of four calendar years.
4. The student must earn a cumulative grade point average of 3.0 (rounded) both for all courses taken for a grade.

Graduate Assistantship Opportunity

One unique aspect of the MACSL program is that residential students will have the opportunity to apply for an on-campus graduate assistantship. The number of graduate assistantships offered each year will vary upon necessity and availability. Those students awarded a graduate assistantship will be required to complete an additional 20 hours per week on campus in addition to their practicum hours and coursework. For this work, graduate assistants will receive:

1. Discounted tuition rate - \$525 per credit hour instead of \$575
2. Free room and board on campus (students may choose to not utilize this option if they prefer to live off campus, but no stipend will be awarded in its place)

To the best of the program's ability, students will be placed in graduate assistantships that suit their interests and long-term goals. For example:

1. Students interested in the application of coaching will be placed in a sport outside of their practicum.
2. Students interested in sport leadership/administration will be assigned to an academic or athletic administrative role.
3. Students interested in the science of coaching or in attending further educational endeavors, will have the opportunity to be paired with a faculty member for research assistance and guidance.

An application for Graduate Assistantships will be sent to interested residential students after being admitted to the MACSL program.

Master of Arts in Coaching and Sport Leadership

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|------------------------------------|--|---------------------|
| CSL 5504 | Group Dynamics | 3 |
| CSL 5506 | Conditioning & Safety Principles for Performance | 3 |
| CSL 5514 | Sport Media & Technology | 3 |
| CSL 5541 | Coaching & Sport Leadership Capstone | 3 |
| CSL 5563 | Sport Administration | 3 |
| CSL 5564 | Sport Sociology & Ethics | 3 |
| CSL 5565 | Coaching Theories & Principles | 3 |
| CSL 5566 | Coaching Psychology | 3 |
| CSL 5575 | Sport History | 3 |
| CSL 5591 | Practicum Experiences* | 6 (total; P/F) |
| CSL 5594 | Research Methods & Inquiry | 3 |
| Total for the MACSL Program | | 36 |

Coaching and Sport Leadership courses

CSL 5504 Group Dynamics Students will examine group influences and dynamics with regard to teams and departments. Components of effective team building and communication strategies will be reviewed as well as overall program development. *Credit hours: 3.*

CSL 5506 Conditioning & Safety Principles for Performance Students will examine coaching strategies based upon fundamental principles and best practices for training and conditioning such as periodization, assessment, and nutrition. Students will be required to obtain First Aid and CPR certified. *Credit hours: 3.*

CSL 5514 Sport Media & Technology (Online Only) Students will examine the importance of social media in contemporary sports media and gain hands on experience in technology management, content development, and data analysis. A theoretically-driven investigation of the rhetoric of sports media and persuasive tactics common to sports industries. *Credit hours: 3.*

CSL 5541 Coaching and Sport Leadership Capstone Course A capstone course that draws together previous coursework, leader observations, and self-reflection into practical lessons that may be taken forward into the applied, professional context or into PhD programs. *Credit hours: 3.*

CSL 5563 Sport Administration (Online Only) Students will review the administrative side of coaching and leadership positions within sport. Topics covered will include Title IX, recruiting, fundraising, and department organizational structures. *Credit hours: 3.*

CSL 5564 Sport Sociology & Ethics Students will examine sport as a petri dish for society at large, considering issues of power, social stratification, identity, and cultural heritage. This course provides a comprehensive analysis of sport structures with a close view of who competes and the consequences of competition. A major emphasis is placed on the sociological phenomena that contribute to sport in the United States. In-depth discussion of the positive and negative side effects of how sport is organized in society will also occur. *Credit hours: 3.*

CSL 5565 Coaching Theories & Principles This course will include understanding the various roles of the coach and introduce students to the field of coaching. An emphasis is placed on creating an athletic environment to enhance holistic growth of the athletes. *Credit hours: 3.*

CSL 5566 Coaching Psychology This course will emphasize theories, concepts, and research applied to the role of a coach for the purpose of psychologically developing and sustaining team, organization, and individual competitive success. *Credit hours: 3.*

CSL 5575 Sport History (Online Only) A topics course that explores the historical role of sport in history and cultures around the globe. Examines the roots of American sport in colonial play and recreation, the emergence of organized and national sports. The course will consist of films, readings, lectures and discussions. *Credit hours: 3.*

CSL 5591 Practicum Experience(s) Practicum placements may be on or off-campus. Students will create and present a practicum portfolio in the final session of the program. The practicum offers students the opportunity to apply classroom knowledge in an actual work environment, under the guidance of an athletic administrator, coach, or other sport professional. Each hour of academic credit requires a minimum of 42 clock hours (a minimum of 210 hours total) of on-the-job training performed under the framework of a contract, mutually agreed upon by the student, the faculty supervisor, and appropriate agency personnel. *Credit hours: 1-6. Pass/Fail only.*

CSL 5594 Research Methods & Inquiry (Online Only) A survey course that introduces each cohort to the many different ways that one can do scholarly and/or applied inquiry of sport. Both qualitative and quantitative processes will be discussed. *Credit hours: 3.*



PHYSICS AND ENGINEERING

Faculty: A. Katrin Schenk, Peter A. Sheldon, Sarah L. Sojka

Physics is a discipline that seeks to explain the behavior of the natural world with a comprehensive set of fundamental laws. Success in physics requires a keen analytical mind, a strong desire to understand the fundamental principles of nature, and the ability to work hard and persevere.

A physics major earned in the context of a liberal arts education prepares the student for a wide variety of careers. Scientific careers in universities, research laboratories, and industry are the most obvious opportunities, but the training that a physicist receives in analytical reasoning prepares one for a career in medicine, engineering, law, and business as well. Problem-solving ability combined with knowledge of computer programming also leads to careers in computer science and computer programming.

The Bachelor of Arts degree is for the student interested in studying physics, but who is likely to pursue a career in a related field, or a field that requires an analytical mind. The Bachelor of Science degree is for those planning a career in physics or engineering, and for those considering going on to graduate school. A student interested in a degree in engineering, but who also wants the benefits of a liberal arts education can elect the engineering physics major.

Physics Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|-----------------------------|--|---------------------|
| <i>Required:</i> | | |
| PHYS 1115-1115L, 1116-1116L | General Physics and Lab | 8 |
| PHYS 2251 | Relativity and Intro Quantum Mechanics | 4 |
| PHYS 3302 | Quantum Mechanics I | 4 |
| PHYS 3341 | Classical Mechanics | 4 |

| | | |
|---------------------------------------|---|-----------------|
| PHYS 3361 | Electromagnetic Theory | 4 |
| MATH 2250 | Calculus III | 4 |
| MATH 3331 | Differential Equations | |
| or PHYS 3301S | Differential Equations for Scientists and Engineers | 4 |
| <i>One of the following:</i> | | 4 |
| PHYS 3331 | Electronics Lab | |
| PHYS 3332 | Advanced Physics Lab | |
| <i>Senior Program</i> | | |
| PHYS 4494 | Senior Research | 1 or 4* |
| PHYS 4495, 4496 | Seminar I-II | 1 |
| Total for BA Degree in Physics | | 38 or 41 |

Additionally for BS Degree

| | | |
|---------------------------------------|--|-----------------|
| CHEM 1105-1105L | General Chemistry and Lab | 4 |
| CHEM/PHYS 3378-3378L | Classical & Statistical Thermodynamics | 4 |
| MATH 2241 | Linear Algebra | 4 |
| PHYS 3331 or 3332 (not taken in BA) | | 4 |
| PHYS 3371 | Topics in Theoretical Physics | 4 |
| PHYS 4474 | Quantum Mechanics II | 4 |
| Any Computer Science course | | 4 |
| Total for BS Degree in Physics | | 66 or 69 |

**If the majority of senior research is previously completed in an approved Summer research or other program, the student only needs one credit of PHYS 4494 during the academic year.*

Physics Education Major

Note: Students must also complete the Professional Courses for Secondary Education.

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|-------------------------------|---------------------|
| <i>Required:</i> | | |
| BIOL 1103-1100L | Introductory Biology and Lab | 4 |
| CHEM 1105-1105L | General Chemistry and Lab | 4 |
| PHYS 1115-1115L, 1116-1116L | General Physics and Lab | 8 |
| PHYS 2251 | Modern Physics | 4 |
| PHYS 3302 | Quantum Mechanics I | 4 |
| PHYS 3331 | Electronics Lab | 4 |
| PHYS 3332 | Advanced Physics Lab | 4 |
| PHYS 3341 | Classical Mechanics | 4 |
| PHYS 3361 | Electromagnetic Theory | 4 |
| <i>One of the following:</i> | | 4 |
| MATH 2227 | Elementary Applied Statistics | |
| PSYC 2227 | Applied Statistical Analysis | |
| <i>Senior Program</i> | | |
| PHYS 4494 | Senior Research | 1 |
| Total for BA Degree in Physics Education | | 45 |

A student cannot complete both a physics degree and the physics education degree.

See **Engineering Physics** section of this catalog for dual degree program details.

Engineering Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|-----------------------------|-------------------------|---------------------|
| <i>Required:</i> | | |
| CSCI 2225 | Matlab and LabVIEW | 4 |
| PHYS 1115-1115L, 1116-1116L | General Physics and Lab | 8 |

| | | |
|---------------------------------------|--|-----------|
| <i>Two of the following:</i> | | 8 |
| PHYS 2216 | Statics | |
| PHYS 2256 | Green Engineering Design | |
| THTR 2222 | Computer Drafting | |
| <i>One of the following:</i> | | 4 |
| PHYS 3331 | Electronics Lab | |
| PHYS/CHEM 3378-3378L | Classical & Statistical Thermodynamics | |
| Total for Minor in Engineering | | 24 |

*Additional courses required as prerequisites include MATH 1149 and 1150 or their equivalents.
Students majoring in physics may also minor in engineering.*

Physics Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|-------------------------|---------------------|
| <i>Required</i> | | |
| PHYS 1115-1115L, 1116-1116L | General Physics and Lab | 8 |
| PHYS 2251 | Modern Physics | 4 |
| PHYS 3302 | Quantum Mechanics I | 4 |
| <i>One additional 3300-level Physics course</i> | | 4 |
| Total for Minor in Physics | | 20 |

Recommended Courses

It is recommended that students take at least one course in each of the fields of biology and chemistry, and additional courses in computer science. MATH 3343; 4426; and CPHL/MAC 1175; 2230.

Special Programs

Recent physics majors have successfully participated in Summer research programs at NASA, the University of Virginia, the College of William and Mary, the National Institute of Standards and Technology, Lehigh University, Bucknell University, Kansas State University, and the Thomas Jefferson National Lab.

Physics Courses

PHYS 1102. Science Outreach This is a hands-on, experiential, cultural learning course for science enthusiasts. Students will build science demonstration apparatuses, learn about the educational benefits, and actually go out in the field and do science demonstration shows and classes in the Lynchburg area. Students will participate in 42 hours of outreach activities per credit hour. *Credit hours: .5 or 1. Offered on a Pass/Fail basis only. May be repeated for credit up to a maximum of four credits.*

PHYS 1105, 1106. Introductory Physics An algebra-based introduction to fundamental topics in physics, including mechanics, thermodynamics, wave motion, and electromagnetism. *Credit hours: 3, 3. Co- or Pre-requisite: MATH 119 or equivalent or permission of instructor. Calculus is not required. Offered Summers. (NS, QR)*

PHYS 1105L, 1106L. Introductory Physics Laboratory Laboratory work and experiments related to topics studied in Physics 1105, 1106. *Credit hours: 1, 1. Corequisite or prerequisite: PHYS 1105, 1106 or the equivalent. Offered Summers. (NS)*

PHYS 1115, 1116. General Physics Classical mechanics, heat, and electromagnetism. A calculus-based presentation of basic physical principles for students interested in the sciences or mathematics. *Credit hours: 3, 3. Prerequisite or corequisite: MATH 1149 or the equivalent. (NS, QR)*

PHYS 1115L, 1116L. General Physics Laboratory Laboratory work and experiments related to the topics studied in Physics 1115, 1116. *Credit hours: 1, 1. Corequisite or prerequisite: PHYS 1115, 1116 or the equivalent. (NS)*

PHYS 2216. Statics This course focuses on external (both applied and reactive) and internal forces on rigid bodies or particles that are stationary or moving with constant velocity. These concepts are applied to simple trusses, frames, and machines. *Credit hours: 4. Prerequisite: PHYS 1115. Alternate years: offered Spring 2023.*

PHYS 2251. Relativity and Introduction to Quantum Mechanics Topics include special relativity, rotational mechanics, wave/particle duality, the Bohr model of hydrogen, and an introduction to quantum mechanics. *Credit hours: 4. Prerequisite: PHYS 1116.*

PHYS 2256. Green Engineering Design Rising energy prices. Climate change. Massive oil spills. Engineering design is the process of devising a system to meet a need, and green engineering – one of the fastest growing fields in the US – addresses these pressing issues and more that are pertinent to our planet today. This course is meant to be a general introduction to the field of engineering, and students will be given a chance to see first-hand how engineers design power plants, buildings, and transportation to be cleaner and more energy efficient. *Credit hours: 4. Prerequisite: one session of any science. Alternate years: offered Fall 2022.*

PHYS 3301S. Differential Equations for Scientists and Engineers Introduction to ordinary and partial differential equations. Topics include first order equations, mathematical modeling, qualitative methods (slope fields, phase plots, equilibria, and stability), numerical methods, second and higher order equations, series solutions, Laplace transforms, Fourier series, and systems of linear differential equations. Course also covers partial differential equations, such as the heat equations, the wave equations, and Laplace's equation. *Credit hours: 4. Prerequisite: MATH 1105 or the equivalent. (QR)*

PHYS 3302. Quantum Mechanics I A continued study of quantum mechanics including important one-dimensional applications and the hydrogen atom. *Credit hours: 4. Prerequisite: PHYS 2251.*

PHYS 3331. Electronics Laboratory A lecture laboratory course with emphasis on practical applications. Includes hands-on experience in building and testing electronic circuits and devices, and an introduction to digital logic, digital electronics, and computer interfacing. *Credit hours: 4. Prerequisite: PHYS 1116, 1116L; MATH 1150. Alternate years: offered Spring 2022. (WI)*

PHYS 3332. Advanced Physics Laboratory A lecture laboratory with experiments in various branches including optics and lasers of physics with emphasis on modern physics. Includes the study of physical systems through computer simulations and modeling as well as advanced techniques in data analysis. *Credit hours: 4. Prerequisite: PHYS 2251, MATH 1150. Alternate years: offered Spring 2023. (WI)*

PHYS 3341. Classical Mechanics Topics include solutions of Newtonian equations of motion, Lagrangian and Hamiltonian dynamics. *Credit hours: 4. Prerequisite: PHYS 3302 and MATH 2250; 3331. MATH 3331 may be a corequisite. Alternate years: offered Fall 2021.*

PHYS 3361. Electromagnetic Theory A study of classical electromagnetic theory, including electrostatic and magnetostatic fields, Maxwell's equations, and electromagnetic plane waves. *Credit hours: 4. Prerequisite: PHYS 1116 and MATH 2250; 3331. Alternate years: offered Spring 2022.*

PHYS 3371. Topics in Theoretical Physics Topics selected from classical mechanics, electromagnetic theory, quantum mechanics, statistical mechanics, optics, or other subjects of interest. *Credit hours: 4. Prerequisite: PHYS 3302. May be repeated for credit when topic differs. Alternate years: offered Fall 2022.*

PHYS 3378. Classical and Statistical Thermodynamics An introduction to thermodynamics and statistical mechanics, including review of important topics from statistics and probability, statistical description of particle systems, calculation of thermodynamic quantities, quantum statistics of ideal gases, and other basic methods and results of thermodynamics and statistical mechanics. *Identical with CHEM 3378. Credit hours: 3. Prerequisite: MATH 1150 and PHYS 1116 (WI, when both lecture and lab are passed).*

PHYS 3378L. Classical and Statistical Thermodynamics Lab Laboratory experiments that supplement concepts presented in Chemistry/ Physics 3378, with an emphasis on professional writing in ACS format. *Identical with Chemistry 3378L. Credit hours: 1. Identical with CHEM 3378L. Corequisite: CHEM/PHYS 3378. (WI, when both lecture and lab are passed).*

PHYS 3394. Research Topics in Physics Students take part in research projects in conjunction with a faculty member in a field of mutual interest and learn research and problem solving methods. Research results are written up in formal lab reports

and in some cases will be published. *Credit hours: 1, 2, 3 or 4. Prerequisite: permission of the Department. May be repeated for credit up to a maximum of twelve hours.*

PHYS 4474. Quantum Mechanics II Quantum mechanics including postulates and formalism, angular momentum, and spin. *Credit hours: 4. Prerequisite: PHYS 3302 and MATH 2241 and 3331. Alternate years: offered Spring 2023.*

PHYS 4494. Senior Research Students complete individualized research projects. Research results are presented in a formal paper and an oral presentation before faculty and students. *Credit hours: 1 or 4. Prerequisite: permission of the Department.*

PHYS 4495, 4496. Senior Seminar I-II The seminar requires students to explore the areas of their personal interest in physics in order to inform their choice of research, graduate school, and employment. Students are also asked to make connections across topics in physics through a review of the major ideas in mechanics, electricity and magnetism, relativity, and quantum mechanics, culminating in a comprehensive final examination in physics. PHYS 4495 focuses on careers; PHYS 4496 focuses on topics. *Credit hours: .5, .5. Prerequisite: permission of the Department.*

Astronomy Courses

ASTR 1101. Introductory Astronomy: The Solar System An introduction to astronomy, including naked-eye astronomy, the historical development of astronomical models, and basic astrophysical principles with a focus on our solar system and the growing number of examples of extrasolar systems. *Credit hours: 3. Alternate years: offered Fall 2021. (NS, QR)*

ASTR 1101L. Introductory Astronomy Laboratory: The Solar System Laboratory work and exercises related to topics studied in Astronomy 1101. No previous laboratory experience is assumed. *Credit hours: 1. Prerequisite or corequisite: ASTR 1101L. Alternate years: offered Fall 2021. (NS)*

ASTR 1103. Introductory Astronomy: Cosmology An introduction to astronomy, including naked-eye astronomy, the historical development of astronomical models, and basic astrophysical principles with a focus on astronomy outside of our solar system including surveying the stars, galactic dynamics, and the beginnings and fate of the universe. *Credit hours: 3. Alternate years: offered Fall 2022. (NS, QR)*

ASTR 103L. Introductory Astronomy Laboratory: Cosmology Laboratory work and exercises related to topics studied in Astronomy 1103. No previous laboratory experience is assumed. *Credit hours: 1. Prerequisite or corequisite: ASTR 103L. Alternate years: offered Fall 2022. (NS)*



POLITICAL SCIENCE

Faculty: Mari Ishibashi, Aaron Shreve, Vincent Vecera

Political science is a wide ranging discipline composed of many separate fields and specializations at the local, national, and international levels. What holds all the separate fields together is a common interest in questions about: government and international institutions and their sources of power, political conflict and its resolution, political mechanisms for defining and achieving justice, and the origins and results of policy choices at the local, national, and international levels, among other things. The department addresses these and other issues through a variety of courses in American government, comparative government, international relations, public law, and political theory. Given the diversity of interests within the field, majors work with their advisors to tailor the program to their particular interests. Most are encouraged to undertake internships or engage in other experiences to bolster their understanding of political processes. Majors are encouraged to take courses outside the department that support their academic interests and career goals.

Those with a very strong interest in international politics and issues might want to consider the global studies major. Students may choose to major in political science or do one of the three focused minors.

Political Science Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|-------------------------------|---------------------------------------|---------------------|
| <i>Required</i> | | |
| POL 2231 | Research Methods in Political Science | 4 |
| <i>Three of the following</i> | | 12 |

| | | |
|--|---|-----------|
| POL 1101 | American Politics | |
| POL 1102 | Political Theory | |
| POL 1106 | Rights of a Child | |
| <i>or</i> POL 1115 | East Asian Politics | |
| POL 1113 | International Relations | |
| <i>Five additional Political Science 2200-level or above courses, at least two at the 3300-level</i> | | 20 |
| <i>Senior Program</i> | | |
| POL 4493 | Global Studies/Political Science Seminar | 4 |
| POL 4495 | Global Studies/Political Science Capstone | 4 |
| <i>Total for BA Degree in Political Science</i> | | 44 |

Twenty hours of the courses in the major, including POL 4495, must be completed in residence at Randolph College.

American Politics Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|------------------------------|---------------------|
| <i>Required:</i> | | |
| POL 1101 | American Politics | 4 |
| POL 2211 | Elections and Public Opinion | 4 |
| POL 3325 | Constitutional Politics | 4 |
| POL 3326 | Public Policy Analysis | 4 |
| <i>One of the following:</i> | | 4 |
| HIST 2237 | American Women's History | |
| MAC 2205 | Media, Culture and Sport | |
| SOC 1114 | Contemporary U.S. Society | |
| SOC 2231 | America at the Margins | |
| <i>Total for Minor in American Politics</i> | | 20 |

Political Theory Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|------------------------------------|---------------------|
| <i>Required:</i> | | |
| POL 1102 | Political Theory | 4 |
| POL 2203 | Philosophy of Law | 4 |
| POL 3372 | Freedom and Equality | 4 |
| POL 3374 | Contemporary Political Thought | 4 |
| <i>One of the following:</i> | | 4 |
| CPHL 1111 | Ancients & Moderns | |
| CPHL 1133 | Intro Phil: Ethics and Public Life | |
| CLAS 1177 | Classical Philosophy | |
| CPHL 1165 | Faith and Doubt | |
| CPHL 2214 | Bioethics | |
| <i>Total for Minor in Political Theory</i> | | 20 |

Comparative Politics/International Relations Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|---------------------------------------|---------------------|
| <i>Required</i> | | |
| POL 1113 | International Relations | 4 |
| <i>Choose four from the following:</i> | | 16 |
| POL 2201 | Trafficking: Where Global Meets Local | |
| POL 2220 | Global Issues at the United Nations | |
| POL 2222 | Gender Politics in Asia | |
| POL 2265 | International Law | |
| POL 3332 | Global Politics of Extremism | |
| POL 3365 | War and Peace | |
| <i>Note: May include one-time only POL courses at the 2200-level or higher with department approval</i> | | |
| <i>Total for Minor in Comparative Politics/International Relations</i> | | 20 |

Special Programs

Majors with an emphasis on American politics are encouraged to participate in appropriate programs combining practical experience with courses taken through other institutions. Interested students should discuss available options with their advisers or the chair of the department.

Experiential Learning Examples

Law office intern; Circuit Court intern; staff aide to a member of Congress; campaign aide.

Political Science Courses

POL 1101. American Politics An examination of the American political system through an analysis of the political culture, Constitution, party and interest group structure, governmental institutions, and the decision-making process in the United States. *Credit hours: 4. (SS)*

POL 1102. Political Theory This is an introduction to political thought. We will study the origins of important ideas, such as justice, freedom, equality, progress, and the rights of the individual, in the context of the great conflicts of human history, from Sun Tzu and Plato to our contemporaries. *Credit hours: 4. (HE)*

POL 1106. Rights of a Child This course examines why violations of the most vulnerable continue to exist in countries from different regions of the world through issues such as children's bonded labor, involuntary participation in armed conflict and terrorism, forced marriage, sex-trafficking, and denied access to food, health care, and education. Through the lens of children's human rights, students will examine how attenuated aspects of failed and/or weak states affect the rights of children. *Credit hours: 4. Prerequisite: Sophomore standing. (SS)*

POL 1107. Peace and Conflict Resolution Introduces students to different ways of understanding peace, violence, and war and of analyzing the war culture which encourages aggression, violence, and injustice in our immediate and global communities. Toward the goal of social and political change, students will be challenged to examine various approaches to peacemaking and peacebuilding, including nonviolence, peace education, and reconciliation. *Credit hours: 4. (HE)*

POL 1113. International Relations Surveys the dominant international relations theories and contemporary forces that shape human, national, and global security. Special attention is given to new players, such as intergovernmental organizations, nongovernmental actors, and civil society, and issues, such as terrorism and the global justice movement, that are giving new shape to the global political environment. *Credit hours: 4. (SS)*

POL 1115. Introduction to East Asian Politics and Culture An introduction to the societies and politics of East Asia with the focus on Japan, China, and Korea. Topics covered will include gender and cultural issues, immigration, minority politics, and nationalism. *Credit hours: 4. (CI)*

POL 2201. Trafficking: Where Global Meets Local The course explores aspects of interdependency between global and domestic politics through the lens of global trafficking issues including sex, marriage, drugs, minerals, money weapons, wildlife, cultural properties, organs, and others. The focus will be on how forces of globalization are shaping human lives and numerous state and non-state actors are setting global agenda. The course is open to all students. Those intending to major in global studies will learn about the options for their focus area. *Credit hours: 4. Prerequisite: Sophomore standing. (SS)*

POL 2203. Philosophy of Law This course focuses on questions about the law dealing with issues like truth, fairness, justice, and autonomy in a free society. We will explore debates about criminal justice and punishment; unconscionable contracts; exploitation; economic efficiency; class, race, gender, sexuality and other forms of inequality; and the pursuit of civil and political rights. *Credit hours: 4. Prerequisite: POL 1102 or permission of instructor. (HE)*

POL 2205. Survey of World Geography This course encompasses a study of geography throughout the major regions of the world. Attention is given to the physical processes that shape the surface of the earth and to the relationship between human activity and the physical environment. In addition, the course will explore how political forces influence the division and control of the earth's resources. Maps, along with other geographic representations, tools, and techniques, will be used to demonstrate critical analysis of techniques for representation and presentation of information. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Identical with GEO 2203. (CI)*

POL 2211. Elections and Public Opinion An examination of the interaction of political parties and public opinion in electoral politics in the U.S. Topics will include the history and current status of political parties, the changing nature of elections, and trends in public opinion. *Credit hours: 4. Prerequisite: sophomore standing. Alternate years.*

POL 2220. Global Issues at the United Nations Covers the basics of the UN system, including its history, structures, and documentation system. Heavy emphasis is placed on writing, research, speaking, and collaboration skills. The class will undertake a parallel study of a specific country in conjunction with the Spring National Model United Nations (NMUN) conference. Only students selected in late Fall for the NMUN Conference can enroll in the course and participate in the NMUN conference. All conference participants must be enrolled in the course for full credit during the semester of the conference. *Credit hours: 4. Prerequisite: permission of instructor. May be repeated for credit when topic differs up to a maximum of twelve hours. (CI)*

POL 2222. Gender Politics in Asia Surveys the ways gender is experienced by women in Asia. Issues covered include sexual and reproductive decision making, domestic violence, human trafficking, son preference, dowry, and honor killing drawn from Asia. The class will also learn how gender issues are treated in their societies and politics and explore how different actors seek solutions to these issues in the context of global politics. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. (HE, SS)*

POL 2225. Contemporary Issues in Global Health The course explores sources of threats to global health and illustrates why health disparities exist. In the first part of the course, students will be introduced to global health principles, key measures, and concepts. This will be followed by examinations of health consequences especially among vulnerable populations caused by neo-colonialism, poverty, racism, cultural belief and practice, climate change, conflict, environmental degradation, and pollutions. In the second half of the course, we will explore ways to achieve global health equity and justice by studying successful regional cases of interventions, new technology and medicine, innovative health programs, and expanding access to health care. *Credit hours: 4. (HE; SS) Prerequisite: Sophomore standing or permission of instructor. Alternate years. (HE, SS)*

POL 2231. Research Methods in Political Science This course familiarizes students with a variety of techniques for the investigation of political problems. The first half of the session is an exploration of how to ask and answer social science questions. In the second half of the course students gain hands-on experience using statistical software to investigate and describe political problems. No prior familiarity with statistics is assumed. *Credit hours: 4. A student may receive credit for two these courses: ECON 2227, MATH 2227, POL 2231, PSYC 2227, or SOC 3395. Alternate years: offered Spring. (QR)*

POL 2235. US Foreign Policy

This course examines the historical and contemporary US foreign policy issues and the process in which foreign policy is made and implemented. We examine 1) how international and domestic politics impact US foreign policy, 2) the available tools of foreign policy and their effectiveness, and 3) the major contemporary and historical themes in US foreign policy with a focus on national security issues. *Alternate years. Credits: 4. (SS)*

POL 2245. Nuclear Strategy An examination of the causes and consequences of nuclear proliferation drawing on both academic theory and historical evidence. The course examines moral questions surrounding nuclear technology, why countries acquire nuclear weapons, and what are the effects of nuclear proliferation on national and international security. We will also examine nuclear strategy, explanations for the non-use of nuclear weapons, and case studies of different nuclear program. *Credit hours: 4. Prerequisites: POL 1113 or sophomore standing. (SS)*

POL 2265. International Law This course introduces students to the major elements of international public law. We begin with the sources and functions of international law. We then cover the effects of international law and non/compliance with international law. We examine several substantive areas of international law, such as human rights law and law of war. The course also includes an international law simulation. *Credit hours: 4. Offered in alternate years. (SS, WI)*

POL 3310. Civics and Economics Students will examine the roles citizens play in U.S. politics and government, and the basic economic principles that underlie the U.S. market economy. Students will investigate the processes by which decisions are made in the American market economy and explain the government's role in it. Students study how patriotism, respect for the law, willingness to perform public service, and a sense of civic duty facilitate thoughtful and effective active participation in the civic life of an increasingly diverse democratic society. This course is open to all students and required of students seeking elementary education licensure or students seeking the history/social science teaching licensure. Course content maps to the Virginia Standards of Learning. *Identical with IST 3310. Credit Hours: 4.*

POL 3325. Constitutional Politics A study of the constitutional politics of the United States, focusing on federalism, the separation of powers, and civil rights and liberties. We will read Supreme Court decisions and situate them in their political, economic, and cultural context to explore the relative powers of American political institutions. *Credit hours: 4. Prerequisite: POL 1101 or permission of instructor.*

POL 3326. Public Policy Analysis This is an advanced course on federal domestic policy making in the United States. In the first half of the course students will discuss the theory of public policy analysis, focusing on the influence of institutional norms and rules, interest groups, and the public. The second half of the course will consist of a series of case studies of domestic policy issues. Topics may include social security, health care, employment discrimination, criminal justice, and/or anti-poverty policy. Students will pay particular attention to how individuals and institutions interpret policy questions differently as a result of their position in society. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years: offered Fall.*

POL 3332. Global Politics of Extremism Surveys why extremism emerges in societies and transcends borders. Through case studies, students will explore topics including psychology of terrorism, gendered violence, rhetoric of terror, recruitment and use of social networks, cyber terrorism, and the political economy of terrorism. This will be followed by a section on deradicalization and disengagement of extremist actors and groups. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate years: (SS)*

POL 3365. War and Peace An in-depth exploration of the international system, how it evolved and currently operates. We are primarily concerned with the causes of international conflict, international cooperation, and the uses of power. The course examines conflict in the international system, how cooperation, institutions, and domestic politics affect conflict, and current issues in international security. Current topics include terrorism, nuclear proliferation, the environment, culture, and human security. *Credit hours: 4. Prerequisites: POL 1113 or sophomore standing.*

POL 3372. Freedom and Equality A study of the rise of the two most powerful ideas in human history: freedom and equality. We'll discuss how the rise of these two ideas and battles over their meanings created our world, including questions like: when is revolution justified, what can't governments order citizens to do, and what rights do citizens and human beings have, if any? *Prerequisite: POL 102 or permission of instructor. Credit hours: 4. Prerequisite: POL 1102 or permission of instructor. (HE, WI)*

POL 3374. Contemporary Political Thought In this course we will study the political conflicts of our world through the works of important political theorists of the past 50 years. We will explore major thinkers in contemporary debates about capitalism, freedom, tolerance, national identity, power, community, representation, and human nature. *Credit hours: 4. Prerequisite: POL 1102 or permission of instructor.*

POL 4493. Global Studies/Political Science Seminar The first course in the senior program sequence. The seminar includes the discussion of current issues in U.S. politics and global studies and current research fields with a focus on research design. Students will have weekly assignments and identify a research problem they will undertake. *Credit hours: 4. Prerequisite: Permission of department.*

POL 4494. Senior Research Each student will work on a research problem chosen in consultation with departmental faculty. A final paper embodying original research in an area of politics will be required. *Credit hours: 4. Prerequisite: senior standing.*

POL 4495. Global Studies/Political Science Capstone The second course in the senior program sequence. The capstone completes the student's course of study in the major. Each student will work on a research problem chosen in consultation with departmental faculty. A final paper embodying original research in an area of politics is required. *Credit hours: 4. Prerequisite: POL 4493.*



PSYCHOLOGICAL SCIENCES

Faculty: Sara Beck, E. Blair Gross, Timothy Patrick, Holly Tatum

Psychological science is the study of behavior and mental processes. Although the science of psychology is relatively new (The first psychology laboratory was established in 1879 at the University of Leipzig, Germany), the College has had a psychology

laboratory since the beginning in 1893. In fact, the College's psychology laboratory was the first at a college or university in the South. This tradition of a laboratory-based education continues in the current academic program.

The Department offers study in a broad range of sub-fields within the discipline, including courses in cognition, development, biological bases of behavior, psychopathology, personality, and social psychology. The emphasis within these areas is to prepare students to critically evaluate empirical evidence about behavior and mental processes with a strong emphasis on research design and interpretation of data. The knowledge and skills acquired in this liberal arts program enable students to pursue a career in related areas or to continue their education at the graduate level. The Department offers a major and a minor in Psychology and a minor in Cognitive Science.

Psychology Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|--|---------------------|
| <i>Required:</i> | | |
| PSYC 1105 | Introduction to Psychology | 4 |
| PSYC 2227 | Applied Statistical Analysis | 4 |
| PSYC 2228 | Research Methods | 4 |
| PSYC 4401 | Experimental and Advanced Research Designs | 4 |
| <i>One of the following:</i> | | |
| PSYC 2209 | Sensation and Perception | 4 |
| PSYC 2211 | Cognitive Psychology | |
| PSYC 2251 | Biological Bases of Behavior | |
| PSYC 2260 | Language Acquisition and Development | |
| <i>Two of the following:</i> | | |
| PSYC 2202 | Personality Psychology | 8 |
| PSYC 2205 | Social Psychology | |
| PSYC 2208 | Developmental Psychology | |
| PSYC 2212 | Psychology of Gender | |
| PSYC 2213 | Psychological Disorders | |
| <i>Three 3300-level classes with the exception of PSYC 3305</i> | | |
| | | 12 |
| <i>Senior Program</i> | | |
| | | 8 |
| PSYC 4493, 4494 | Capstone Seminar in Psychology | |
| Total for BA Degree in Psychology | | 48 |

Psychology Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|--------------------------------------|---------------------|
| <i>Required:</i> | | |
| PSYC 1105 | Introduction to Psychology | 4 |
| PSYC 2227 | Applied Statistical Analysis | 4 |
| PSYC 2228 | Research Methods | 4 |
| <i>One of the following:</i> | | |
| PSYC 2209 | Sensation and Perception | 4 |
| PSYC 2211 | Cognitive Psychology | |
| PSYC 2251 | Biological Bases of Behavior | |
| PSYC 2260 | Language Acquisition and Development | |
| <i>One of the following:</i> | | |
| PSYC 2202 | Personality Psychology | 4 |
| PSYC 2205 | Social Psychology | |
| PSYC 2208 | Developmental Psychology | |
| PSYC 2212 | Psychology of Gender | |
| PSYC 2213 | Psychological Disorders | |
| <i>One 3300-Level Course with the exception of PSYC 3305</i> | | 4 |
| <i>Total for Minor in Psychology</i> | | <i>24</i> |

Experiential Learning Examples

Clinical work in child development, acute psychiatric care, marketing, juvenile and domestic courts, clinical social work, art therapy, residential treatment of adolescents.

Psychology Courses

PSYC 1105. Introduction to Psychology This course will survey basic principles of psychology. Topics include history of psychology, research methods, neuroscience and behavior, nature, nurture, development through the lifespan, thinking and language, psychological disorders, sensation and perception, states of consciousness, learning, memory, emotions, and social psychology. Additional topics could include motivation, personality, intelligence, health/stress, and therapy. *Credit hours: 4. (SS)*

PSYC 2202. Personality Psychology The study of theories and research on individual differences and the sense of self. Readings and discussion focus on the major theoretical perspectives on the structure and development of human personality, and on methods for assessing individual differences. Cultural differences in theories of personality are considered, and current research studies on biological and environmental influences on personality are explored. *Credit hours: 4. Prerequisite: PSYC 1105. Alternate years: offered Spring 2022, Session 4.*

PSYC 2205. Social Psychology An introduction to the scientific study of social behavior. Traditional areas such as attitudes, aggressive and prosocial behavior, interpersonal attraction, person perception, and group dynamics are covered, as well as the application of social psychological research to contemporary social problems. *Credit hours: 4. Prerequisite: PSYC 1105.*

PSYC 2208. Developmental Psychology An overview of growth, maturation, and change in the human from conception through adolescence. The topics discussed include prenatal effects on the development of behavior, development of cognitive abilities in early childhood, and the effects of social interactions on development of personality and cognition. *Credit hours: 4. Prerequisite: PSYC 1105.*

PSYC 2209. Sensation and Perception How do we come to learn about the world around us? How do we construct a conception of physical reality based on sensory experience? This course will cover the basic theories and methods of studying sensation and perception. The major emphasis is on vision and audition, although other modalities may be covered. Representative topics include receptor function and physiology, color, motion, depth, psychophysics of detection, perceptual constancies, adaptation, pattern recognition, and the interaction of knowledge and perception. *Credit hours: 4. Prerequisite: PSYC 1105. Alternate years: offered Fall 2023.*

PSYC 2211. Cognitive Psychology This course is an introduction to human cognition and will cover how humans learn to deal with information from the environment. Students will concentrate on the classic topics including memory, attention, categorization, problem solving, language, reasoning, and decision making. Included is a discussion of the established theories and findings of cognitive psychology, how they relate to brain structure and functions, how these findings can be applied to real world problems, and how different methods of cognitive research can be used to understand mental processes. *Credit hours: 4. Prerequisite: PSYC 1105. Alternate years: offered Fall 2022, Session 1.*

PSYC 2212. Psychology of Gender Consideration of how gender is related to the way people think, feel, and act in the world, and how gender-related differences develop. Course will focus on theories, questions, methods, and findings of psychological research on gender and gender development. The role of gender will be studied in relation to gender roles, identity, child and adolescent development, sexuality, health (physical and mental), close relationships, family life, work (paid and unpaid), violence, and harassment. *Credit hours: 4. Prerequisite: PSYC 1105 or G ST 2202. (CI). Alternate years: offered Spring 2023, Session 3.*

PSYC 2213. Psychological Disorders A survey of the etiology, diagnosis, and treatment of the various forms of psychopathology, e.g., a comparison of the physiological and environmental explanations of depression and the implication of each of these explanations for treatment. *Credit hours: 4. Prerequisite: PSYC 1105.*

PSYC 2227. Applied Statistical Analysis An introduction to statistical analysis in psychological science. Topics include sampling, probability, descriptive statistics, null hypothesis testing, including t-tests, ANOVAs, regression, and correlations, and non-parametric tests. Additionally, students will learn about effect size and estimating power in statistical tests, as well as have an introduction to using statistical software (SPSS), and interpreting statistical results from articles in the research literature. *Credit hours: 4. Prerequisite: PSYC 1105 or permission of instructor. A student may receive credit for two of these courses: ECON 2227, MATH 2227, POL 2231, PSYC 2227, or SOC 3395. (QR)*

PSYC 2228. Research Methods Discussion of techniques used in psychological research. Topics include basic research designs, ethical research practices, the use of descriptive and inferential statistics within psychological research, drawing

conclusions from results, and writing and reporting findings. Throughout the course, students will develop an original research hypothesis and will write a research proposal in an APA-style paper. *Credit hours: 4. Prerequisite: PSYC 1105 and 2227.*

PSYC 2251. Biological Bases of Behavior This course presents a survey of the biological bases of human behaviors. The first part of the course consists of an introduction to structure and functions of the nervous system including the role of hormones in that function. The latter part of the course explores the application of those concepts to explanations of behavior with a special focus on humans. *Credit hours: 4. Prerequisite: PSYC 1105. Alternate years.*

PSYC 2260. Language Acquisition and Development This course will introduce students to the study of human language. Topics will include processes and theories of language development, as well as cognitive and neurological building blocks of language. Although emphasis will be placed on typical patterns of language development, we will also explore how language develops in other contexts (e.g. developmental disability, deafness, and bilingual households). *Credit hours: 4. Prerequisite: PSYC 1105. Alternate years: offered Spring 2023, Session 4.*

PSYC 3305. Research in Psychology Each student works on a research project in conjunction with a faculty member in the department. Projects may be at any stage of the research process, including a review of the literature, study design, data collection, data entry and analysis, writing up the final results and preparing research for a presentation. Often these projects precede or continue a Summer research project. The research time is supplemented by readings and individual conferences with the instructor. *Credit hours: 1, 2, 3, or 4. Open only to psychology majors in consultation with faculty. Individual conferences to be arranged. Prerequisite: PSYC 2228 or permission of instructor. May be repeated for credit up to a maximum of eight hours. Sections might be offered on a Pass/Fail basis at the discretion of the instructor.*

PSYC 3316. Testing and Measurements This course explores the theory and practice of psychological assessment. Major topics include test construction and validation, with attention to statistical techniques; appropriate test use, including legal and ethical issues; and major tests for measuring mental abilities, achievement, personality, and psychopathology. Throughout the course, students will develop and validate an original measurement tool and will report on their research in an APA-style paper. *Credit hours: 4. Prerequisite: PSYC 2228. Alternate years: offered Fall 2022, Session 2.*

PSYC 3325. Psychology of Music In this course, students will explore the ways that music engages the mind, brain, and body. The course will function as a seminar, with students reading research articles from the fields of music cognition, cognitive science, neuroscience, and developmental psychology. Students will understand and evaluate behavioral science methods used in research and integrate content with their own musical experiences. *Credit hours: 4. Prerequisites: PSYC 2228 or permission of instructor. Alternate years: offered Fall 2023.*

PSYC 3330. Health Psychology A study of psychological influences on health, illness, coping, stress, pain, and health-related behaviors. Discussion of how health is related to attitudes, emotions, personality, and social support. A focus on health-enhancing and health-compromising behaviors will allow students to develop and implement a personal health behavior modification program. *Credit hours: 4. Prerequisite: PSYC 2228 or permission of instructor. Alternate years: offered Spring 2022, Session 3.*

PSYC 3334. Thinking and Reasoning in Psychological Science We are all necessarily consumers of psychological research. This course focuses on the skills that students need to critically evaluate scientific research. Students learn to analyze primary source articles, to identify strengths in weaknesses in research design, and more importantly, extrapolate from study results to draw conclusions regarding research findings. This includes discussing how study results generalize to other areas in psychology, and to other fields of study, such as law, educational settings, medical practice, and ethics. The course also focuses on building arguments, assessing the validity of assumptions, and understanding how historical schools of thought have influenced both scientific questions asked and how scientists have interpreted the answers. In order to accomplish these goals, the class studies a variety of historical and contemporary myths and controversies in the field of psychology, examining the research that gave rise to and/or refutes the myths and controversies, ending with a study of the current Open Science movement in psychology. *Credit hours: 4. Prerequisite: PSYC 2228 or permission of instructor. Alternate years: offered Spring 2023, Session 4.*

PSYC 3338. Cognitive Neuroscience This course explores the link between processes of mind and brain. The class will investigate how scientists utilize current technologies to understand the neuronal activity and anatomy of the brain that supports perception, memory storage, and recall, among other topics. Students will read and evaluate scientific sources and compare those findings to one popular culture depiction of a mind—zombies. *Credit hours: 4. Prerequisite: PSYC 2228 or permission of instructor. Alternate years: offered Spring 2021, Session 4.*

PSYC 3341. Evolutionary Psychology An examination of how the processes of evolution have influenced the development of human thinking and behaviors. Exploration may include the study of reproductive behaviors, parental behaviors, aggression, altruism, emotional expression, language, and others. The course will be conducted primarily as a seminar and include readings from popular press texts, theoretical scholarly articles, and original reports of research results. *Credit hours: 4. Prerequisite: PSYC 2228 or permission of instructor. Alternate years: offered Fall 2022, Session 1.*

PSYC 3343. Psychopharmacology This course presents a look at the ways that drugs can affect behavior. The course will include an in depth review of neurotransmission including neurotransmitter systems and functions of the synapse. The effects of both recreational drugs and psychotherapeutic drugs on those systems will be presented along with discussion of behavioral consequences of using those drugs. Primary source readings will be used to explore the methodology of research in this area. Historical and contemporary social and medical policy for use and misuse of these drugs will also be considered. *Credit hours: 4. Prerequisite: PSYC 2228. Alternate years.*

PSYC 3351. History of Psychology This course addresses the roots of modern psychological thought and methodology, from their origins in philosophy and the natural sciences through the refinements of psychology in its current form. In addition to learning about the major schools of psychology, e.g., Functionalism, Behaviorism, Psychoanalysis, students will explore how cultural forces shape psychological theories and the experiences of the people who develop them. *Credit hours: 4. Prerequisite: junior standing or permission of instructor.*

PSYC 3361. Advanced Topics in Psychology Exploration of a focused research area of psychology through primary source readings and discussion. Topics will vary from year to year. *Credit hours: 4.*

PSYC 4401. Experimental & Advanced Research Designs A lab-based course in research design with an emphasis on experimental design. Students conduct several experiments, analyze data, and interpret results. Critical analysis and synthesis of a body of literature informs the design and execution of a pilot study for the capstone project. An in-depth study of ethical principles in psychological research includes statistical and writing practices. This course is writing-intensive. *Credit hours: 4. Prerequisite: PSYC 2228 and senior standing. (WI)*

PSYC 4493, 4494. Capstone Seminar in Psychology The two-session seminar involves development and execution of a senior research project. During the first session, each student, in consultation with faculty, develops a proposal for a research project in a chosen area of psychology. These projects are carried out during the second session and are presented both in an American Psychological Association style research paper and orally to the seminar. Students present the results of their research at a regional conference. *Credit hours: 4, 4. Prerequisite: PSYC 2228 and 4401.*



RELIGIOUS STUDIES: SEE *COMPARATIVE PHILOSOPHY*



RENAISSANCE STUDIES

Interdisciplinary Minor Coordinators: Mara I. Amster, Andrea W. Campbell

This minor will allow students to make connections across disciplines and to experience one of the richest periods in the history of Western culture, refracted through several lenses of humanistic scholarship. Recommended for students majoring in one of the fields included in the program with a special interest in this historical period.

Renaissance Studies Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--------------------------------|--|---------------------|
| <i>Required:</i> | | 4 |
| ENGL/THTR 2277 | Shakespeare | |
| <i>One of the following:</i> | | 4 |
| ARTH 2263 | Early Renaissance Art and Architecture | |
| ARTH 2264 | High Renaissance Art and Architecture | |
| <i>Three of the following:</i> | | 12 |

| | |
|----------------|---|
| ARTH 2238 | Medieval Art |
| ARTH 2242 | Baroque Art and Architecture |
| ARTH 3314 | Special Topics in Art History |
| ARTH/ENGL 3378 | Gender in Renaissance Art and Literature* |
| CLAS 1132 | Classical Mythology |
| CPHL 1111 | Ancients and Moderns |
| HIST 1101 | Europe to 1750 |

Total for Minor in Renaissance Studies

20

*ARTH/ENGL 3378 may be substituted for ARTH 2263, 2264 with permission of program coordinators
Relevant study abroad and one-time only courses may be substituted with permission of program coordinators.*



SOCIOLOGY

Faculty: Bradley P. Bullock, Danielle M. Currier

Sociology studies societies and cultures within a broadly comparative framework. The discipline illuminates the reciprocal relationship between human beings and their sociocultural environments and gives students a keener appreciation of their own social world, a less ethnocentric view of different ways of life, and a better understanding of the world system in which their society is one of many interdependent entities. The knowledge and perspective of sociology provide a useful approach to the analysis of interaction, inequality, and institutions, and offers insights into many topics of personal relevance and contemporary public debate.

The Department emphasizes applied sociology, theoretical and methodological expertise, service, and experiential learning. Students contribute to their major through internship and experiential learning outside the classroom. Moreover, sociology offers practical skills that lead to employment in a wide variety of professions.

Sociology Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|---|---------------------|
| <i>One of the following:</i> | | 4 |
| SOC 1101 | Human Societies | |
| SOC 1114 | Contemporary U.S. Society | |
| <i>Required:</i> | | |
| SOC 2265 | Social Theory | 4 |
| SOC 3394 | Social Research and Qualitative Analysis | 4 |
| SOC 3395 | Social Research and Quantitative Analysis | 4 |
| Sociology course at the 2200 level | | 4 |
| Sociology course at the 3300 level or above | | 4 |
| Experiential Learning (EX L) in an appropriate field* | | 4 |
| Two additional Sociology courses at the 2200 level or above** | | 8 |
| <i>Senior Program</i> | | 4 |
| SOC 4495** | Seminar in Advanced Social Research | |
| Total for BA Degree in Sociology | | 40 |

**Majors may not enroll in SOC 4495 unless they have either completed their EX L requirement or have already completed arrangements for finishing it by the end of the Fall semester of their senior year.*

***Students are encouraged to pursue SOC 4496, Sociology Thesis; those completing SOC 4496 will need only one additional course at the 2200- or 3300-level.*

NOTE: One gender studies (G ST) course may be counted towards the major.

Sociology Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|-------------------------------|---------------------------|---------------------|
| <i>One of the following:*</i> | | 4 |
| SOC 1101 | Human Societies | |
| SOC 1114 | Contemporary U.S. Society | |

Required:

| | |
|---|---|
| Sociology course at the 2200 level | 4 |
| Sociology course at the 3300 level or above | 4 |
| Two additional Sociology courses at the 2200 level or above | 8 |

**Only one 1100-level course can be counted toward the minor*

Total for Minor in Sociology **20**

Recommended Associated Courses

BIOL 1118; ECON 1101, 1102; EDU 1108; EVST 1104; MAC 1101; MATH 2227; POL 1102, 1113; CPHL 1133; PSYC 1105, 2205, 2212; and SES 2262, 3364.

Experiential Learning Examples

Positions at the YWCA or Sexual Assault Awareness Program; research at the Central Virginia Planning District Commission; Miriam's House (shelter); Daily Bread (food pantry); counseling and related programs at retirement centers, a halfway house for troubled youth, children's homes, or family-planning agencies; various projects in local government agencies and law offices; health services for recent immigrants; Summer internships in social welfare agencies; service learning study abroad in the Caribbean.

Sociology Courses

SOC 1101. Human Societies A study of the development and structure of human societies. Students are introduced to major sociological concepts, principles, and theories that contribute to a better understanding of the social world. *Credit hours: 4.*
This course cannot be taken on a Pass/Fail basis. (HE, SS)

SOC 1114. Contemporary U.S. Society An introduction to contemporary social life in the United States through a survey of social structures, social interaction, and social change. Topics include the American family, sports, gender inequality, deviance and social control, electronic media, and the evolving concept of community. *Credit hours: 4. This course cannot be taken on a Pass/Fail basis for major/minor credit. (CI, HE, SS)*

SOC 2209. Deviance and Social Control Addresses the creation and enforcement of societal rules, why and how rules are violated, the repercussions of violating norms, and the ways that race, class, gender, and sexuality affect those repercussions. General explanations of deviance will be applied to a wide variety of specific examples ranging from gender non-conformity to white-collar crime. *Credit hours: 4. Prerequisite: Sophomore standing and either SOC 1101 or 1114 or permission of instructor. Offered every three years: Spring 2022. (HE, SS)*

SOC 2216. Contemporary Social Problems An application of sociological perspectives toward understanding some widely recognized contemporary social problems, such as: poverty; sexism, racism, and homophobia; substance abuse; family violence and sexual abuse; AIDS, health care reform; global inequality; overpopulation; and the destruction of natural environments. The class focuses on creative and practical solutions, with particular attention to how countries similar to the U.S. address such problems. *Credit hours: 4. Prerequisite: either SOC 1101 or 1114 or permission of instructor. Alternate years. (CI)*

SOC 2218. Family and Kinship An examination of the social construction of family and kinship, with a primary focus on the contemporary U.S. Special attention will be given to the significance of gender, race, and class in systems of kinship and to the interaction between family and other institutions. *Credit hours: 4. Prerequisite: Sophomore standing and either SOC 1101 or 1114 or permission of instructor. Alternate years: offered Spring 2024. (SS)*

SOC 2222. Human Populations and Global Issues The most challenging problems in the world are tied to changes in human populations and the future quality of life on our planet depends on how people address those demographic changes. This course is an introduction to population processes such as fertility, rapid world population growth and migration, and to human geography. Issues addressed include globalization, urbanization, human trafficking, conflict, geopolitics, and environmental change. *Credit hours: 4. Prerequisite: sophomore standing. (SS)*

SOC 2262. Topics in Sociology Concentrated reading and discussion pertaining to a specific area or issue in sociology. Previous topics include Sociology of Sexuality, Black Feminist Theory, The Construction and Deconstruction of Masculinity,

and Race and Cartoons. *Credit hours: 4. Prerequisite: sophomore standing and either SOC 1101 or SOC 1114 or permission of instructor.*

SOC 2265. Social Theory Discussion of the nature and role of theory in social science research. Notable works in sociology will be read, discussed, and evaluated, starting with Karl Marx, Emile Durkheim, and Max Weber and finishing with Critical Theory, Feminist Theory, and Postmodernism. *Credit hours: 4. Prerequisite: sophomore standing and either SOC 1101 or 1114 or permission of instructor. Offered Fall. (SS)*

SOC 2276. Sociology of Gender An introduction to the sociological way of studying and understanding gender. Gender is social – it affects everyone, regardless of sex, sexual orientation, race, class, religion, etc. This class explores the ways gender is socially constructed and perpetuated. Students study how to examine gender at the micro (individual) and macro (social institutions, culture) levels in society. *Credit hours: 4. Prerequisite: SOC 1114. Alternate years: offered Spring. (CI, HE, SS)*

SOC 3310. Community This course is designed to give students some tools for thinking and talking about community, allowing them room to explore the meaning and value of that concept, in various guises and from varied points of view. While focused on the U.S., the course will frequently compare the concepts and practices of community in the U.S. to those of other societies. The course is structured around some large questions within which the class will consider issues or topics related to community. For example, around the question “In what ways does technology affect community?” The class will explore the use of automobiles and INTERNET chat-rooms. Around “How do we encourage or conserve community?” students will examine ecology and architecture. It is better to see the course as an open, ongoing dialog, dynamic and circular, rather than a linear series of lectures about topics in some definite order. The main objective of the course is to leave students with their own, informed sense of community and enough ideas, concepts, skills, and resources to enhance their future understanding of community however they may create or experience it. *Credit hours: 4. Prerequisite: Sophomore standing and either SOC 1101 or SOC 1114 or permission of instructor. Alternate years: offered Spring. (SS)*

SOC 3321. The Individual and Society Focusing on sociological social psychology, this course examines how people’s ideas, thoughts, beliefs, attitudes, feelings, and actions are affected by the actual, imagined, or implied presence of others. The class highlights social and institutional influences on individuals, assuming that our lives are directed by both internal and external factors. Students study how cultural expectations about things like gender, race, sexuality, class, religion, agency, power, and inequality affect our self-conceptions and interactions with others. *Credit hours: 4. Prerequisite: junior standing and SOC 1101 or 1114 or permission of instructor. Offered every 3 years: Fall 2023. (SS)*

SOC 3327. Social Stratification A study of the nature, causes, and consequences of social inequality. Students will analyze concepts of class, status, and power, and examine issues such as credentialism and upward mobility, welfare, unemployment, and comparable worth. The course concentrates on distributive processes in the United States but is broadly comparative and includes the study of international inequality. *Credit hours: 4. Prerequisite: Sophomore standing and SOC 1101 or 1114 or permission of instructor. Alternate years: offered Spring. (CI)*

SOC 3335. Developing Countries of the Caribbean Basin An exploration of the challenges and obstacles facing the developing countries in this region. The course is structured to address a series of controversial issues such as: Why are some countries developing rapidly while others remain stagnant? Are rates of poverty, hunger, or other indicators of social well-being improving over time in countries that post economic gains? What roles, if any, should the United States or other industrialized countries play in providing technology, foreign aid, or other forms of assistance? Topics will include population growth, the emerging roles of women, the impact of transnational corporations and international trade, destruction of natural habitats, and eco-tourism. Students develop case studies of a particular country in the region and may choose to participate in a mock international forum. *Credit hours: 4. Prerequisite: sophomore standing or permission of instructor. Alternate year, offered Fall. (CI)*

SOC 3355. Black Feminist Theory This course examines the development of Black Feminist Theory in Sociology, starting in the 1800s and going to the present day. The concept of “intersectionality” came from this theoretical tradition, so students will learn both about the history of Black Feminist thinkers and applications in today’s world, including various social movements (feminist, civil rights, #BLM, #MeToo). *Credit hours: 4. Prerequisite: junior status and SOC 1114, or permission of instructor. Offered every three years: Spring 2024.*

SOC 3367, 3368. Research Project An investigation of a sociological problem, under the supervision of a member of the Department. *Credit hours: 1, 1; 2, 2; or 3, 3. Prerequisite: junior standing and SOC 1101 or SOC 1114 or permission of instructor.*

SOC 3394. Social Research and Qualitative Analysis This course is an intensive, hands-on introduction to the gathering and analysis of qualitative data. Students will be introduced to various techniques for selecting and formulating research problems, designing research projects, and collecting and analyzing qualitative data. Specifically, students will focus on interviews, oral histories, field research, and content analysis. The research, writing, and analysis skills learned in this course are useful for a wide variety of jobs and are necessary for pursuing graduate study in any social science. *Credit hours: 4. Prerequisite: junior standing and SOC 1101 or 1114, and SOC 2265, or permission of instructor. Offered Spring. (SS)*

SOC 3395. Social Research and Quantitative Analysis A practical workshop emphasizing learning by doing, survey research and quantitative analysis. Students will be introduced to basic techniques for selecting and formulating research problems, designing research projects, and collecting and analyzing data. The course is structured to practice basic quantitative skills. These skills are useful toward more advanced study in graduate or professional schools and are immediately desirable for many professions. *Credit hours: 4. Prerequisite: junior standing and either SOC 1101 or 1114 or permission of instructor. A student may receive credit for two of these courses: ECON 2227, MATH 2227, POL 2231, PSYC 2227R, or SOC 3395. Offered Fall. (QR)*

SOC 4495. Seminar in Advanced Social Research In this capstone course for the major, students will focus on high-level, applied analysis of recent research in the field. Goals include sharpening analytical abilities, honing skills for writing or speaking professionally about important sociological issues, and finishing the major with knowledge of some important studies from major academic journals. Students will also practice skills needed for making the transition to graduate school or employment, including writing critiques of professional research in an area of the student's interest and selection of a previously written paper to revise as a writing sample. Finally, students will hear presentations or engage in other activities to facilitate meeting their goals following graduation. *Credit hours: 4. Prerequisite: senior standing, SOC 2265, and either SOC 3394 or 3395 or the equivalent or permission of instructor. Offered Fall.*

SOC 4496. Sociology Thesis Students will undertake an original, independent research project under the supervision of a faculty member. The finished project will approach a paper of publishable quality, suitable for submission to professional conferences. Findings from these projects will, at least, be presented to the faculty and majors. Note: this course is an option for students who meet a minimum GPA requirement in the major and who are advised to pursue the project based on their personal and professional goals. *Credit hours: 4. Prerequisite: senior standing and SOC 4495 or permission of instructor.*

SOC 4496L. Advanced Analysis Students will collect original data or apply a specific method as part of their thesis project, under the direction of a faculty mentor. Students complete an analysis of data that meets professional standards and gain practical experience in conducting advanced research projects. Highly encouraged for students with plans for graduate or professional school or professional careers that prioritize analytical skills. *Credit hours: 1. Corequisite: SOC 4496. Offered on a Pass/Fail basis only.*



SPANISH: SEE WORLD LANGUAGES, LITERATURES, AND CULTURES



THEATRE: SEE PERFORMING ARTS



WORLD LANGUAGES, LITERATURES, AND CULTURES

Faculty: Kun An, Amy R. Cohen, Carl Girelli, Maria Vázquez-Castro

World Languages, Literatures, and Cultures is the home of programs that bring to students perspectives diverse in time and geography and open students to new ways of understanding how their worlds are entangled with the worlds of others. The World Languages, Literature, and Cultures Department offers majors and minors in Spanish, as well as minors in Chinese Studies, Classical Civilization, and Latin. Opportunities also exist for students interested in teaching English as a foreign language.

Classics

Program Head: Amy R. Cohen

The history of thought since the time of Aristotle has witnessed the fragmentation of knowledge into increasingly more specialized categories, a trend that continues unabated today. Yet in the public debate on almost any contemporary issue of significance, there are moral, political, aesthetic, or technological considerations that overlap and often conflict; an understanding of these interrelationships is crucial if one is to be a competent citizen in an increasingly complex world.

The unique virtue of Classics is that it is by nature interdisciplinary, entailing the study of language, history, art and literature, religion, and philosophy. Because many of the great issues that confronted the Greeks and Romans are precisely those that we are still trying to resolve, the study of the classics provides an excellent introduction to the many facets of human struggle and achievement. It is the essence of the liberal arts, to which, to borrow a phrase from Terence, no dimension of human experience is foreign.

Modern Languages

Students who complete a major or minor in the Modern Languages programs gain an appreciation of modern cultures as well as a new perspective on their own heritage. Study of the literary, cultural, social, and political institutions of the country where the language is spoken help develop the student's awareness of international interdependence. At the same time, the departmental offerings encourage an increased understanding of the logic of language and a proficiency in speaking, writing, reading, and understanding a second language.

Students majoring in Spanish become conversant with the language, literature, and culture of Spain and Latin America. The Major Program in Spanish helps prepare the student for work in international business and industry and for graduate study in areas such as language and literature, art, music, law, international relations, and teaching, among others. Chinese Studies, an interdisciplinary minor, presents students the opportunity to gain spoken proficiency in Mandarin, as well as Chinese reading and writing skills. Beyond providing language training, the College offers a number of courses that give insight into Chinese culture, society, and politics.

Chinese Studies

Program Head: Kun An

The growing importance of China as an economic power means that Chinese language skills are in increasing demand. Randolph College offers students opportunities to gain spoken proficiency in Mandarin, as well as Chinese reading and writing skills.

Beyond providing four levels of Chinese language training, the College offers a number of courses that give insight into the Chinese culture, society, and politics. Periodically, a travel-study course is offered that exposes students to the richness and variety of life in China. The College has a distinctive Summer internship program which places selected students in positions with Energizer Holdings, Inc., located in Shanghai and presents them with an exceptional opportunity to gain first-hand experience in the Chinese business world.

Spanish

Program Head: Maria Vázquez-Castro

The study of Spanish provides not just knowledge of the language itself, but also insight into the literary, cultural, social, and political institutions of the places where Spanish is spoken, undergirding an awareness of international and intercultural interdependence. At the same time, an increased understanding of the logic of language and a proficiency in speaking, writing, reading, and understanding a second language yields immeasurable benefits. The Spanish program helps prepare the student for work in international business and industry and for graduate study in areas such as language and literature, art, music, law, international relations, and teaching, among others. A student equally interested in another discipline may elect to double major in Spanish. Department majors have recently elected second majors in economics, English, psychology, politics, media and culture, and international relations. Students are strongly encouraged to supplement their coursework with study in a country where Spanish is spoken.

Chinese Studies Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|---|---|---------------------|
| <i>Required:</i> | | |
| CHIN 1106 | Modern Chinese Literature | 4 |
| CHIN 2201, 2202 | Intermediate Chinese I, II | 8 |
| HIST 2221 | Modern China | 4 |
| <i>One of the following*</i> | | 4 |
| CHIN 1105 | Chinese Culture through Film | |
| CPHL 2251 | Chinese Philosophy | |
| HIST 1123 | East Asia to 1600 | |
| HIST 1124 | East Asia 1600 to Present | |
| POL 1115 | Introduction to East Asian Politics and Culture | |
| Total for minor in Chinese Studies | | 20 |

**With advisor approval, appropriate study abroad courses may be included*

Classical Studies Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|---|---------------------|
| <i>Required:</i> | | |
| CLAS 1132 | Classical Mythology | 4 |
| CLAS 1183 | Classical Rhetoric and Persuasive Power | 4 |
| <i>Three additional courses from:</i> | | 12 |
| Any Classics course | | |
| Any Latin courses at the 2200 level or above | | |
| Total for Minor in Classical Studies | | 20 |

Latin Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|--|---------------------|---------------------|
| <i>Required:</i> | | |
| LATN 2201, 2202 | Intermediate Latin | 8 |
| <i>Three Latin courses at the 3300 level</i> | | 12 |
| Total for Minor in Latin | | 20 |

Recommended Courses

ARTH 1101; 1102; 2261.

Special Programs

Students may consider studying abroad during the academic year or Summer sessions with the College Year in Athens and the Intercollegiate Center for Classical Studies in Rome or other occasional opportunities for Summer study sponsored by the College and other institutions.

Spanish Major

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|------------------------------|-----------------------------------|---------------------|
| <i>Required:</i> | | |
| SPAN 2201, 2202 | Intermediate Spanish | 8 |
| SPAN 3301, 3302 | Composition and Conversation | 8 |
| SPAN 3336 | Approaches to Hispanic Literature | 4 |
| <i>One of the following:</i> | | 4 |
| SPAN 3333 | Culture of Spain | |

| | | |
|---------------------------------------|----------------------------------|-----------|
| SPAN 3335 | Topics in Latin American Culture | |
| <i>One of the following:</i> | | 4 |
| SPAN 4406 | Advanced Language Study | |
| SPAN 4422 | Topics in Hispanic Literature*** | |
| <i>Senior Program:</i> | | |
| SPAN 4469 | Research for the Senior Program | 1 |
| SPAN 4471 | Seminar | 4 |
| SPAN 4494 | Senior Project | 4 |
| Total for BA Degree in Spanish | | 37 |

**With departmental approval, courses taken abroad may fulfill this requirement.*

Spanish Minor

| <u>Courses</u> | <u>Course Title</u> | <u>Credit Hours</u> |
|-----------------------------------|-----------------------------------|---------------------|
| <i>Required:</i> | | |
| SPAN 2201, 2202 | Intermediate Spanish | 8 |
| SPAN 3301, 3302 | Composition and Conversation | 8 |
| SPAN 3333 | Culture of Spain | 4 |
| SPAN 3366 | Approaches to Hispanic Literature | 4 |
| Total for Minor in Spanish | | 24 |

Recommended Courses

For majors: a second foreign language through the intermediate level; courses in European, Spanish or Latin American history; art; religion; comparative philosophy; mythology; comparative politics; and in English, American, and foreign literature. For Spanish majors: courses in Latin American civilization, economics, and politics.

Special Programs

Majors are encouraged to study abroad in Summer and junior year programs, to make use of the Media Center and the Department's collection of audiovisual materials and foreign language periodicals, and to participate in language dining-hall tables and interest clubs. An exchange program exists with the University of Santiago de Compostela in Spain, as do teaching opportunities the elementary grades at James River Day School as well as various other internship opportunities

Chinese Language, Literature and Culture Courses

CHIN 1101, 1102. Elementary Chinese An introduction to modern Chinese (Mandarin), emphasizing correct pronunciation, conversational skills, basic grammar, and reading and writing. *Credit hours: 4, 4. (LA)*

CHIN 1105. Chinese Culture through Film This course will study a broad variety of films produced in Mainland China, Taiwan, and Hong Kong and will provide a window into Chinese culture and society. Discussion of films will enable students to improve their understanding of many aspects of Chinese culture. *Credit hours: 4. Alternate years: offered Spring. (CI, HE)*

CHIN 1106. Modern Chinese Literature This course will introduce students to the ideas of important writers in the 20th and 21st centuries. By relating the modern fiction, poetry, and essays to those works' historical contexts, this course will provide students with insight into a) how the Chinese live, work, think, feel, interact, love, and die; b) how the beliefs, mentality, and social relations of the Chinese have changed and why they have changed; c) how the West has affected China; and d) how Chinese works and masterpieces stand on their own merit. *Credit hours: 4. Alternate years. (CI, HE)*

CHIN 1107. Chinese Food Culture

What and how we choose to eat are shaped by our social and cultural environment. How do Chinese people eat differently compared with people from other cultures? How do food and eating relate to individual, health, and national identity? This course explores the history and modern representations of Chinese food, and helps students think critically about contemporary cultural productions. *Alternate years. Credits hours: 4. (CI, HE)*

CHIN 2201, 2202. Intermediate Chinese This course focuses on acquisition of practical, oral vocabulary, as well as development of reading skills. In addition, it treats grammatical structures and idiomatic speech. *Credit hours: 4, 4. Prerequisite: CHIN 1102. (LA)*

CHIN 3301, 3302. Third-Year Modern Chinese This course sequence continues the development of vocabulary, as well as conversational and reading skills, acquired in the first two years of Chinese language training. *Credit hours: 4, 4. Prerequisite: CHIN 2202 or the equivalent. (LA)*

CHIN 3310. Business Chinese Designed for advanced Chinese language students, this course aims to develop a student's understanding of a business environment, mixing command-economy from the Maoist era and the market economy after Deng Xiaoping's reforms. Students will also learn courteous speech, business jargon, and the language of marketing and foreign trade. *Credit hours: 1. Prerequisite: CHIN 2202 and permission of instructor.*

CHIN 4401, 4402. Fourth-Year Modern Chinese This course sequence expands and extends material from third-year Chinese through the study of newspaper articles and films produced in the People's Republic of China. Through the reading and discussion of materials relating to current political and social issues, students are led to enhance their communicative skills (in both speaking and writing) to a more formal level, as well as to develop awareness of social issues in contemporary China. Instruction is in Chinese in a teacher-learner discussion format, with compositions and verbal debate required. *Credit hours: 4, 4. Prerequisite: CHIN 3302.*

Classics Courses

CLAS 1132. Classical Mythology An investigation into the nature and uses of myth in ancient Greek and Roman cultures. Topics include the social significance of myth, the use of myth in art and literature, and the influence of Greco-Roman myth on Western civilization. *Credit hours: 4. (HE, WI)*

CLAS 1175. Sport and Spectacle This course explores the ancient roots of modern athletics and mass entertainment through analyses of texts, works of art, and the archaeological settings of sport and spectacle that highlight their essential role in ancient societies. The Olympic games asserted Greek identity, civic virtue and competitive spirit; gladiatorial combat and chariot racing defined relationships between Romans and others, rulers and subjects. *Identical with SES 1175. Credit hours: 4. Alternate years. (HE)*

CLAS 1177. Classical Philosophy An introduction to ancient Greek philosophy. Topics include the nature of reality, human nature and happiness, political order. Readings are selected from the pre-Socratics, Plato, Aristotle, and others. *Credit hours: 4. (HE)*

CLAS 1179. Masterworks of Greek and Roman Art As an introduction to the artistic culture of ancient Greece and Rome, this team-taught course discusses select works of art and architecture in depth, from both art historical and archaeological perspectives. Its aim is to set works of art in their specific historical and cultural context while exploring the connection (in style, material, technique, aesthetic) between them and our world. *Identical with ARTH 1179. Credit hours: 4. Rotating. (HE)*

CLAS 1180. Mediterranean Empires This is a survey course covering the history of the Mediterranean from the introduction of agriculture (c. 9000 BCE) to the rise of Islam (632 CE). The course considers the cultural, political, and social history of the region across this period, paying particular attention to the Greeks and Romans. *Credit hours: 4. Identical with HIST 1180. Rotating. (HE)*

CLAS 1181. Greek Drama Production Laboratory This course is open to students who are full-time members of the cast or crew of the Greek Play but not enrolled in CLAS/THTR 275. It provides practical experience with the production of an ancient play. *Identical with THTR 1181. Credit hours: 1 or 2. Prerequisite: permission of instructor. Alternate years: offered Fall. Offered on a Pass/Fail basis only. May be repeated for credit.*

CLAS 1183. Classical Rhetoric and Persuasive Power We have inherited from ancient orators an understanding of the power of words to persuade and ideas about what makes a good speech appeal to an audience. Students will analyze speeches, delve into ancient rhetorical thinking, and apply its arts to speeches of their own. Students will read and write in English. *Identical with MAC 1183. Credit hours: 4. Alternate years. (AE)*

CLAS 2275. Greek Drama The tragedies of Aeschylus, Sophocles, and Euripides and the comedies of Aristophanes studied in the context of ancient theatrical conventions, with an emphasis on theories and practices of performance. In-depth study of the play in production as the Greek Play, with required student participation (in any of a number of capacities) to put principles of the class into action. Identical with THTR 2275. *Credit hours: 4. Alternate years: offered Fall. (AE, HE)*

CLAS 2280. Sci-Fi, Fantasy, and Classical Traditions This course explores how the genres of speculative fiction draw on and departs from ancient Greek and Roman literature, philosophy, myth, history, and art: in other words, how sci-fi and fantasy both transmit and transmute ancient materials and form deep wells of receptions of the ancient world. Students will focus on themes of perennial human significance (e.g., the uses of history, technology, fantastic voyages, metamorphosis, knowledge/wonder, and so on) in books, comics, films, television, and more. *Identical with ENGL 2280. Credit hours: 4. Prerequisite: CLAS 1132 or permission of instructor.*

French Language, Literature and Culture Courses

Courses in French are available at University of Lynchburg as part of a Tri-College consortium agreement.

German Language Courses

Courses in German are available at University of Lynchburg as part of a Tri-College consortium agreement.

Greek Courses

GREK 1101, 1102. Elementary Ancient Greek An introduction to classical Greek, with emphasis on basic grammar and syntax. Reading of simple prose and poetry. Classical Greek is also excellent preparation for Homeric and biblical Greek. The courses are each offered primarily online and asynchronously. *Credit hours: 4, 4. GREK 1101 or equivalent is prerequisite for GREK 1102. (LA)*

GREK 1111. Elementary Ancient Greek I The first module of four sequential courses, one credit per course, that together constitute the first half of an introduction to classical Greek. While students must work through the modules in order, students may enroll in multiple modules simultaneously to learn Greek at the speed appropriate for them. Emphasis on basic grammar and syntax, with reading of simple prose and poetry. Classical Greek is also excellent preparation for Homeric and biblical Greek. The course is primarily offered online and asynchronously. *Credit hours: 1.*

GREK 1112. Elementary Ancient Greek I The second module of the sequence begun in GREK 1111. The course is primarily offered online and asynchronously. *Credit hours: 1. Prerequisite or co-requisite: GREK 1111.*

GREK 1113. Elementary Ancient Greek I The third module of the sequence begun in GREK 1111. The course is primarily offered online and asynchronously. *Credit hours: 1. Prerequisite or co-requisite: GREK 1112.*

GREK 1114. Elementary Ancient Greek I The fourth module of the sequence begun in GREK 1111. The course is primarily offered online and asynchronously. *Credit hours: 1. Prerequisite or co-requisite: GREK 1113.*

GREK 1121. Elementary Ancient Greek II The first module of four sequential courses, one credit per course, that together constitute the second half of an introduction to classical Greek. While students must work through the modules in order, students may enroll in multiple modules simultaneously to learn Greek at the speed appropriate for them. Emphasis on basic grammar and syntax, with reading of simple prose and poetry. Classical Greek is also excellent preparation for Homeric and biblical Greek. The course is primarily offered online and asynchronously. *Credit hours: 1. Prerequisite: GREK 1101 or equivalent, or GREK 1114. GREK 1114 may also be co-requisite.*

GREK 1122. Elementary Ancient Greek II The second module of the sequence begun in GREK 1121. The course is primarily offered online and asynchronously. *Credit hours: 1. Prerequisite or co-requisite: GREK 1121.*

GREK 1123. Elementary Ancient Greek II The third module of the sequence begun in GREK 1121. The course is primarily offered online and asynchronously. *Credit hours: 1. Prerequisite or co-requisite: GREK 1122.*

GREK 1124. Elementary Ancient Greek II The fourth module of the sequence begun in GREK 1121. The course is primarily offered online and asynchronously. *Credit hours: 1. Prerequisite or co-requisite: GREK 1123.*

GREK 2201, 2202. Intermediate Ancient Greek Students read a selection of unabridged ancient Greek prose and poetry with special attention to fluid translation and comprehension. Coursework will include review of basic grammar and syntax and introductions to the variations of Greek style and meter. *Credit hours: 4, 4. Prerequisite: GREK 1102, two high school entrance units of Greek, or placement.*

GREK 3310. Advanced Readings in Ancient Greek Prose Students read a selection of unabridged ancient Greek prose and poetry with special attention to fluid translation and comprehension. Coursework will include review of basic grammar and syntax and introductions to the variations of Greek style and meter. *Credit hours: 4, 4. Prerequisite: GREK 1102, two high school entrance units of Greek, or placement.*

GREK 3302. Advanced Readings in Ancient Greek Poetry Students read a selection of unabridged ancient Greek prose and poetry with special attention to fluid translation and comprehension. Coursework will include review of basic grammar and syntax and introductions to the variations of Greek style and meter. *Credit hours: 4, 4. Prerequisite: GREK 1102, two high school entrance units of Greek, or placement.*

Latin Courses

LATN 1101, 1102. Elementary Latin An introduction to classical Latin, with emphasis on basic grammar and syntax and reading of simple prose and poetry. *Credit hours: 4, 4. (LA)*

LATN 2201, 2202. Intermediate Latin Students read a selection of unabridged Latin prose and poetry with special attention to fluid translation and comprehension. Coursework will include review of basic grammar and syntax and introductions to the variations of Latin style and meter. *Credit hours: 4, 4. Prerequisite: two or three high school entrance units in Latin, LATN 1102, or placement.*

LATN 3310. Advanced Readings in Latin Prose Students read a selection of unabridged Latin prose with special attention to fluid translation and comprehension. Coursework will include review of basic grammar and syntax and introductions to the variations of Latin style and meter. *Credit hours: 4, 4. Prerequisite: two or three high school entrance units in Latin, LATN 1102, or placement.*

LATN 3320. Advanced Readings in Latin Poetry Students read a selection of unabridged Latin poetry with special attention to fluid translation and comprehension. Coursework will include review of basic grammar and syntax and introductions to the variations of Latin style and meter. *Credit hours: 4, 4. Prerequisite: two or three high school entrance units in Latin, LATN 1102, or placement.*

Spanish Language, Literature and Culture Courses

SPAN 1101, 1102. Elementary Spanish First session: Introduction to the basic phonological and structural patterns. Emphasis on oral-aural skills. Second session: Continuation of Spanish 1101 with increased practice in simple reading and writing. *Credit hours: 4, 4. (LA)*

SPAN 2201, 2202. Intermediate Spanish Continued practice in oral-aural skills. A grammar review designed to strengthen the command of the spoken and written language. Online exercises are used to improve fluency and comprehension. Spanish 2202 is a continuation of Spanish 2201. *Credit hours: 4, 4. Prerequisite: SPAN 1102 or placement. (LA)*

SPAN 2222. Topics in Hispanic Literature When offered, this course is identical to Spanish 422, except that the student may read much of the literature in English (a few works may be available only in Spanish), and may write papers in English. Classes are conducted in Spanish. *Credit hours: 4. Prerequisite: SPAN 3302 or permission of instructor. May be repeated for credit when topic differs.*

SPAN 2231. Modern Latin American Literature Readings in the short story, the novel, drama, and poetry. Special focuses are political and social problems, as these are defined by contemporary Latin American writers, and literary styles and techniques. The course is conducted in Spanish, but non-Spanish majors may do most of the reading in English and may write their papers in English. *Credit hours: 4. Prerequisite: SPAN 3302 or permission of instructor. Alternate years: offered Fall.*

SPAN 3301, 3302. Composition and Conversation Intensive practice in oral and written Spanish. Readings from a variety of texts and a review of grammar. The course includes weekly individual conversation sessions. *Credit hours: 4, 4.*
Prerequisite: SPAN 2202 or placement. (LA)

SPAN 3321. Conversational Spanish This course provides the opportunity to practice conversational skills one hour per week. The course format may include class discussion of general topics, small group activities such as role playing, and weekly individual conversation sessions. *Credit hours: 1. Prerequisite: SPAN 3301 or permission of instructor. May be repeated for credit. Offered on a Pass/Fail basis only.*

SPAN 3333. Spanish Culture An overview of the culture and civilization of Spain from pre-Roman times to the present. Focuses include geography, the arts, and social institutions and contemporary society in the post-Franco era. Recommended in preparation for study in Spain. *Credit hours: 4. Prerequisite: SPAN 3302 or permission of instructor. Alternate years: offered Spring*

SPAN 3335. Topics in Latin American Culture An exploration of selected aspects of Latin American Culture primarily through literature, painting, and film. More popular cultural elements such as music, cuisine, and leisure pastimes are also considered. Focuses include Latin American attitudes toward pre-Columbian civilizations, religion, social structures, and the U.S., as well as regional differences. Recommended as preparation for study in Latin America. *Credit hours: 4. Prerequisite: SPAN 3302 or permission of instructor. Alternate years.*

SPAN 3366. Approaches to Hispanic Literature An introduction to the short stories, drama, and poetry of Spain and Latin America. The student will examine and practice various approaches to literary interpretation. *Credit hours: 4. Prerequisite: SPAN 3302 or permission of instructor. (HE)*

SPAN 4406. Advanced Language Study Readings from periodicals, essays, and fiction will be used in conjunction with a grammar text to explore modern Spanish usage and contrasts between Spanish and English. Focuses include advanced grammar, use of idiomatic expressions, translation, word order, and stylistics. Students polish their language skills through writing and conversation. This course is recommended for those planning to teach Spanish. *Credit hours: 4. Prerequisite: SPAN 3302 or equivalent. Alternate years.*

SPAN 4422. Topics in Hispanic Literature Special focuses on aspects of Hispanic and Spanish literature. Recent topics have included “The Modern Latin American Novel” and “An Introduction to Latino Literature.” *Credit hours: 4. Prerequisite: SPAN 3302 or permission of instructor. May be repeated for credit when topic differs.*

SPAN 4431. Modern Latin American Literature Readings in the short story, the novel, drama, and poetry. Special focuses are political and social problems, as these are defined by contemporary Latin American writers, and literary styles and techniques. Identical with SPAN 2231, but readings and papers must be done in Spanish. *Credit hours: 4. Prerequisite: SPAN 3302 or permission of instructor. Alternate years: offered Fall.*

SPAN 4469. Research for the Senior Program An independent study course for preliminary preparation of the Spring senior project. Course requirements include compiling an annotated list of sources, meeting with a supervisor to explore the feasibility of possible topics for the senior project, and generally laying the groundwork for writing the senior paper. The goal is to maximize the time a student devotes to writing and revising the senior paper in the Spring. *Credit hours: 1. Prerequisite: senior standing. Offered on a Pass/Fail basis only. This course is required of all senior majors who are not reading for Honors in Spanish.*

SPAN 4471. Seminar Intensive study and discussion on a topic or author(s) to be announced each year. Preparation and presentation of short papers during the session. *Credit hours: 4. Prerequisite: senior standing or permission of the Department. May be repeated for credit once when topic differs.*

SPAN 4494. Senior Project An independent research or study project on a topic of the student’s choice under the direction of a member of the Department. *Credit hours: 4. Prerequisite: SPAN 4471 and senior standing, or permission of the Department.*

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