

CALHOUN HONORS COLLEGE  
CLEMSON UNIVERSITY

**Student Handbook – 2019-2020**

PREFACE

The purpose of this handbook is to provide honors students with detailed information about the policies and requirements of the Calhoun Honors College.

Using various means of communication, the Honors Office will do its best to inform you of policies, procedures, postgraduate fellowships, new honors courses, lectures, cultural events, and just about anything else that will enhance your honors experience. However, you bear responsibility for understanding program requirements. The Honors Office cannot be responsible for information not provided through official Honors College channels.

If you have questions or need additional information, please contact the Honors Office (located on the first floor of the Honors Center- 180 Cribb Hall) on weekdays between 8:00 a.m. and 4:30 p.m. You can phone us at 864-656-4762 or email us at: CUHONORS-L@CLEMSON.EDU

THE HONORS COLLEGE MISSION

The Honors College strives to enrich the educational experience of highly motivated, academically talented students by providing opportunities for scholarship and research not always available to undergraduates. The purpose of Honors is to foster continued intellectual growth, to cultivate a lifelong respect for learning, and to prepare students for lives as leaders and change-agents.

ACADEMIC POLICIES AND REQUIREMENTS

The following are minimum requirements for **maintaining membership** in the Calhoun Honors College. Requirements for earning the graduation recognitions of General Honors, Departmental Honors, and Interdisciplinary Honors are over and above the minimum requirements, and are explained in detail in later sections.

***Eligibility to Enroll in Honors Courses***

Enrollment in honors courses is limited to students who are members of the Calhoun Honors College.

***Regular Enrollment in Honors Courses***

Members of the Honors College must take and complete at least one honors course each fall and spring semester. To graduate with Honors distinction students must complete Departmental or Interdisciplinary Honors requirements and/or General Honors requirement, as listed in the handbook below.

### ***Registering for Honors Courses***

In early November and again in early April, registration begins for the fall and spring semesters, respectively. For Honors students in good standing, priority access to the registration system is based on a students' total number of credit hours. A key purpose of priority registration is to enable honors students to meet their obligation of taking at least one honors course each semester.

Students are encouraged to register for their honors class or classes during priority registration, but will not be dropped from the Calhoun Honors College until after the last day to add a class in the fall or spring semester. At that time students must have an honors class or an exemption to the policy in their honors student file. Please visit the website <http://www.clemson.edu/cuhonors/resource.html> to request an exemption through the online form. An honors course exemption is typically only granted under certain circumstances such as participating in a co-op assignment, study abroad, internship, or student teaching during that semester. We also typically approve exemptions for seniors who have already completed their honors requirements and are graduating that semester.

### ***Dropping and Adding Honors Courses***

Policies regarding withdrawal from honors courses are generally consistent with university regulations. However, the consequences of dropping honors courses are more serious since Calhoun Honors College members are required to take and complete at least one honors course each semester. **If your semester schedule includes one honors course, dropping that course may result in your membership being terminated.**

1. During the first week of classes, you may make such a change using the drop/add procedure on the online registration system. First, drop the honors course and then, if you want, you can re-add the regular, non-honors course.
2. After the first week of classes and before the end of the second week of classes, you may drop the honors section without a "W" grade using the online registration system. However, you must secure the permission of the instructor to add the regular, non-honors course.
3. After the second week of classes and before the last seven weeks of classes, you may drop the honors section using the online registration system. However, you must secure the permission of the instructor, the Honors Office and the registrar's Office to add the non-honors course and section. During this period, dropping the honors course will result in a grade of "W."
4. After the seventh week of classes, courses may not be dropped.
5. If you are enrolled in the non-honors course and wish to change into an honors course, you may do so no later than the last day to register or add a class (one week after the beginning of the fall and spring semesters), provided that you are a member of the Honors College and that you have the consent of the instructor.

Please refer to the University academic calendar for the specific deadlines/dates for dropping and adding courses: <https://www.clemson.edu/registrar/academic-calendars/>

### **Minimum Grade Point Ratio**

Members of the Calhoun Honors College must maintain a cumulative GPA of 3.40 or higher. Should your cumulative GPA fall between a 2.80 and a 3.40, you will be placed on honors probation and will have one semester to return to good academic standing. If at the end of the probationary semester your cumulative GPA remains below 3.40, you will be removed from the Honors College and lose all privileges of membership.

Even the best students may have personal difficulties that result in scholastic performance falling below the 3.40 GPA. Honors students encountering such extraordinary personal circumstances after having taken the probationary semester, may make a formal and documented appeal to the Director of Advising for the Honors College for a temporary waiver of the 3.40 GPA requirement. The decision of the Director of Advising shall be final. If at any time your cumulative GPA falls below a 2.80, you will lose all privileges of membership.

### **Earning Honors Credit**

Students receive honors credit by earning a grade of A or B in honors courses (except in limited circumstances in which courses are offered pass/fail). If you receive a grade of C or D in an honors course, you may earn credit toward degree requirements, but not for honors requirements (see sections on General Honors and Departmental Honors).

Honors courses should also be indicated by having (HON or honors) in the title of the course.

Honors courses in the online *Undergraduate Catalog* have “Includes Honors sections” as part of the course description located within the *Courses of Instruction* section.

A course may not be taken for honors credit unless it has been approved as an honors course by the appropriate curriculum committees and by the Calhoun Honors College Committee.

### **Honors Credit for Graduate Courses**

With the approval of the appropriate departmental undergraduate and graduate coordinators and the Honors Director, certain 6000- and/or 8000-level courses may be substituted for honors courses.

### **Advanced Placement**

Credits earned through the College Board’s Advanced Placement (AP) Program are for regular (non-honors) credit and cannot be used to exempt requirements of the Honors College.

### **Grading Policies**

Grades in honors courses carry the same number of grade points as grades earned in non-honors courses.

Faculty are strongly advised to grade honors students according to the quality of their work, not on the basis of a “curve.”

In mixed honors/non-honors courses the instructor may assign a research or creative project as a requirement for honors students enrolled in the course. In such a case, the instructor has the prerogative of assigning a numerical or letter grade to the student’s work for the honors project and incorporating that grade into the grade for the course.

Alternatively, the instructor may wish to grade the honors project on a satisfactory/unsatisfactory basis separately from the regular course requirements. If the student fails to complete the assignment or submits a project deemed by the instructor to be unworthy of honors credit, the instructor has the prerogative of recording a course grade of "C" or lower.

Grading policies for honors students should be clearly stated in the course syllabus.

#### ***Pass/Fail Grading***

In certain instances, required Departmental Honors courses are offered only on a pass/fail basis and are so indicated in the Clemson University ***Undergraduate Announcements***.

#### ***Honors Contracts***

On a limited basis, students may earn honors credit for a 3000- or 4000-level course by means of an Honors Contract (in exceptional cases contracts for 1000 and 2000-level classes may be approved). The purpose of such contracts is to enable students to experience the educational enrichment that typifies honors courses, and to explore topics in greater depth than is normally possible in a regular undergraduate course. Contact the Honors Office for details.

#### ***Reinstatement of Membership***

Students who are dropped from the program due to deficient GPA, failure to take honors courses on a regular basis, or withdrawal from honors courses may not participate in Honors for at least one full semester following their removal from the program.

Request for reinstatement must be made in writing, and will be granted if the student has achieved the requisite cumulative 3.40 GPA and will be enrolled on campus for enough semesters to complete General or Departmental Honors. Otherwise, students previously dropped from the program may not rejoin beyond the semester in which they have earned 75 semester hours. Privileges of membership (e.g., early registration) are not restored until the semester after the student has been reinstated and resumes honors coursework.

#### **HONORS AWARDS AND RECOGNITIONS**

**General Honors:** Your successful completion of the requirements for General Honors is recognized by a certificate of completion upon your graduation from Clemson University. Your diploma, permanent transcript and commencement program will indicate your General Honors achievement.

**Departmental Honors:** Your successful completion of the requirements in Departmental Honors will be recognized at a special awards ceremony the day before graduation in December and May. At that ceremony you will be presented the B.C. Inabinet Honors Medallion, which you are privileged to wear during the commencement exercises as a symbol of your outstanding achievements. Your diploma, permanent transcript, and commencement program will indicate your Departmental Honors achievements.

**Interdisciplinary Honors:** Your successful completion of the requirements in Interdisciplinary Honors will be recognized at a special awards ceremony the day before graduation in December and May. At that ceremony you will be presented the B.C. Inabinet Honors Medallion, which you are privileged to wear during the commencement exercises as a symbol of your outstanding achievements. Your diploma, permanent transcript, and commencement program will indicate your Interdisciplinary Honors achievements.

*General and Departmental or Interdisciplinary Honors:* Your successful completion of the requirements of both General Honors and Departmental Honors will be recognized at a special awards ceremony the day before graduation in December and May. At that ceremony you will be presented the B.C. Inabinet Honors Medallion, which you are privileged to wear during the commencement exercises as a symbol of your outstanding achievements. Your diploma, permanent transcript, and commencement program will indicate your General and Departmental or Interdisciplinary Honors achievements.

All Honors students planning to graduate with an Honors distinction **must** complete the Honors Candidacy Form. You can find all information regarding the Honors Candidacy Form, including deadlines, on the website- <https://www.clemson.edu/cuhonors/current-students/graduation.html>.

## MEMBERSHIP BENEFITS

In addition to the primary reward of a challenging and enriched program of study, Calhoun Honors College provides to its members a number of benefits.

### ***Honors Housing***

On a ***space-available basis*** honors students may request to reside in the Honors Residential College located in Core Campus, a coeducational facility that accommodates approximately 400 students. Honors students wishing to reside in the Honors Residential College are advised that space is limited. Being an honors student does not guarantee a housing assignment to the Honors Residential College.

Entering honors freshmen will be sent housing information from the University Housing Office. Room selection for the Honors Residential College are completed in May for incoming freshmen and January for continuing students. Housing preference for incoming freshmen is based on the date of application submission for general undergraduate admission to Clemson University.

Only honors students who are in good standing with the Honors College are eligible to live in the Honors Residential College. Transfer students and Clemson students who join the Calhoun Honors College after the first semester of their freshman year must participate academically in the program for at least one semester before becoming eligible for honors housing.

If you reside in the Honors Residential College and your cumulative GPA falls below 3.40, thereby placing you on honors probation, you may remain in the Honors Residential College for the remainder of the probationary semester. If at the end of the probationary semester, whether fall or spring, your cumulative GPA remains below 3.40, you will lose all privileges of membership in the program, which could include honors housing. Freshmen residents of the Honors Residential College whose first semester GPA is below 2.80 may be reassigned to other campus housing effective the next semester.

### ***Early Course Registration and Scheduling***

Near the end of each semester students register on-line via except for entering freshmen, honors students are given priority in selecting and scheduling their courses, and are allowed to access the registration system when it opens for seniors. Students joining honors after the first semester of their freshman year must participate academically in the program one semester before becoming eligible for early scheduling.

Due to limited enrollments in most honors courses, it is important that early registration be exercised responsibly. The purpose of this privilege is to enable honors students to meet the requirement of taking at least one honors course each semester. Therefore, as soon as the registration system opens for honors students, you should schedule your honors course(s) first and then schedule your other courses accordingly.

### ***Library Loan***

As a member of the Calhoun Honors College you are allowed to check out library materials for an extended period of time. Under the university's library loan policy, honors students are treated the same as graduate students.

## SPECIAL ACADEMIC PROGRAMS AND SERVICES

### ***Conference Travel Fund***

The Conference Travel Fund (CTF) is intended to provide financial support to students in the Calhoun Honors College planning to attend conferences related to their academic interests. Students can apply for funding for conference registration fees, lodging, food and transportation.

### ***Cultural Enrichment***

Calhoun Honors College enhances the cultural lives of its members by providing opportunities to visit area art galleries and museums and to attend a variety of dramatic and musical performances. Subject to available funds, a limited number of tickets are purchased for events at Clemson's Brooks Center for the Performing Arts.

### ***Departmental Honors Research Grants***

At the beginning of the fall and spring semesters, honors students may apply for funds to support their Departmental Honors research projects. These competitive grants may be used to fund such needs as equipment, supplies, and travel to professional meetings or research facilities, or other items that are beyond the capacity of the student's department to provide. Guidelines and application materials are available in the Honors Office.

### ***Dixon Fellows Program***

Through cultural enrichment activities and intellectual exchanges, the Dixon Fellows Program nurtures students who possess the talent and potential to compete for Rhodes, Marshall, Truman, Fulbright and other prestigious fellowships. Admission to the program is highly selective and requires a formal application. This special program is administered by Calhoun Honors College and is supported by the Joseph E. and Caroline G. Dixon Endowment.

### ***Dixon Global Policy Scholars***

The Dixon Global Policy Scholars (GPS) offers a challenging learning opportunity for students interested in pursuing a major scholarship (such as the Rhodes, Truman or Marshall) and in enhancing their knowledge of the issues that shape the world. Admission to the program is open to freshmen and sophomores, is highly selective and requires a separate application.

### ***Educational Enrichment Travel Grants***

Honors students may apply for funds to support life-changing educational experiences outside the classroom and away from the Clemson campus. These experiences may be internships, foreign study, public service projects, or other significant endeavors consistent with the student's educational, career and life goals. These awards are highly competitive. Guidelines and application materials are available on the Honors website.

### ***Honors Peer Mentoring Program***

All incoming honors freshmen will be assigned an honors mentor. The Honors Peer Mentoring Program creates a community of students working and learning together to develop a unique perspective of living and

learning through shared experiences. New continuing students also have the option to be matched with an Honors mentor.

***Major Fellowship Assistance***

The Office of Major Fellowships, located in Core Campus, is the university's central repository for information about major fellowships. In addition to providing application forms, this office is responsible for screening candidates and nominees for Rhodes, British Marshall, Truman, Fulbright, Goldwater and other extramural fellowship competitions. As an honors student, you will receive early notice of fellowship qualifications and application procedures.

***Seniors Advising Sophomores in Honors (SASH) Program.***

The SASH Program provides sophomore honors students the opportunity to connect with and learn from senior honors students. The SASH Program promotes a collaborative environment among honors students to enhance educational experiences. Senior Advisors work to provide a high level of service to honors student by helping them connect to and utilize honors and campus resources.

***Wellness Ambassadors Program.***

The Honors Wellness Ambassadors serve as peer mentors who help promote and maintain the wellness of Honors students. They develop wellness-related programs for the Honors College and build relationships with students through weekly drop-in hours held in the Honors Center.

***Honors Pre-Professional Groups***

These organizations were created to help honors students connect in the professional fields. There are currently two groups offered: Pre-Medical/Pre-Health Group and Pre-Law Society. Special programming and resources are provided throughout the academic year to the students involved in these groups.

***Study Abroad Programs***

The Honors College offers a number of internationally based programs designed to enrich your educational experience. These include both spring and summer programs offered exclusively to Honors students.

***The New York Times Readership Program***

A free electronic subscription of The New York Times is available for honors students. In addition to providing excellent daily news, The Times can be an invaluable tool for classes and in preparation for interviews for both employment and for extramural fellowships. The New York Times on-line edition also has many educational resources which can be used free-of-charge by our students.

## THE GENERAL HONORS PROGRAM

### *Purpose*

The main purpose of General Honors is to broaden the student's intellectual perspectives. To this end, students are encouraged to take honors courses in as many different areas of study as possible.

### *Basic Policies*

Most of the courses students will take for General Honors are 1000-2000 level courses that satisfy the university's General Education requirements or serve as introductory courses in a student's major. It is permissible for 3000-4000 level courses to be taken for General Honors; however, 1000- and 2000-level honors courses may not be applied toward the requirements of Departmental Honors, nor may a 3000-4000 level course count for both General Honors and Departmental Honors. Typically, students take most of their General Honors courses during the freshman and sophomore years, although many students enroll in General Honors courses as juniors and seniors.

Honors courses can be counted towards either General Honors or Departmental Honors but not for both General and Departmental Honors.

### *Requirements*

To be awarded the Certificate of Achievement in General Honors, the following requirements must be satisfied:

1. Completion of a minimum of 18 credit hours from three or more groups (see below)\*; At least three hours from three or more groups (see below); and
2. At least three hours in each of three or more subjects (e.g., ENGL, MTHS)
3. A cumulative grade point average of 3.40 or higher on all coursework taken at Clemson (non-honors as well as honors courses).
4. A grade of A or B in all courses taken to fulfill the requirements of General Honors.
5. Completion of all University requirements for graduation.

\*If a student uses an English (ENGL) course or courses to satisfy the requirement for a group A course, he or she cannot use an English (ENGL) course or courses to satisfy the group C requirement. Unlike in Degree Works, an honors course can count toward one group requirement. For example, MUSC 2100 may count toward either Group **or** Group E, but not both.

Below is not a comprehensive list of all Honors courses offered, but examples of courses that have been offered in the past. For a full list of Honors course offerings, please check the iROAR registration system. Students are advised to contact their assigned Honors Advisor if they are unclear with which group a course will satisfy.

### Group A: Communication

Courses that satisfy Group A: Composition and Communication, include courses listed in the [Undergraduate Announcement Catalog](#) under General Education Coursework A. All Communication (COMM) courses will

satisfy Group A unless otherwise categorized under another General Education Requirement in the Undergraduate Announcement Catalog.

Examples:

COMM	2500	Public Speaking (3)
ENGL	1030	Accelerated Composition (3)
	3140	Technical Writing (3)
HON	2230	Studies in Communications (3)

#### Group B: Mathematical, Scientific and Technological Literacy & Engineering

Courses that satisfy Group B: Mathematical, Scientific and Technological Literacy & Engineering, include courses listed in the Undergraduate Announcement Catalog (under General Education Coursework B. All Engineering (ENGR) courses will satisfy Group B unless otherwise categorized under another General Education Requirement in the Undergraduate Announcement Catalog.

Examples:

BIOL	1030, 1040	General Biology I, II (3)
	1100, 1110	Principles of Biology I, II (5)
CH	1010, 1020	General Chemistry (4)
ECE	2020	Electric Circuits II (3)
	2620	Electrical Circuits II (3)
EM	2020	Engineering Mechanics: Dynamics (3)
ENGR	1020	Engineering Disciplines and Skills (2)
	1050	Engineering Discipline and Skills I (1)
	1060	Engineering Discipline and Skills II (1)
	1070	Programming and Problem Solving I (1)
	1080	Programming and Problem Solving II (1)
	1090	Programming and Problem Solving Applications (1)
	1200	Engineering Problem Solving and Design (3)
	1410	Programming and Problem Solving (3)
	1900, 2900	Special Projects in Engineering (1-3) [for a total of three credit hours over a
	3900, 4900	period of one to three semesters]
GEOL	1010	Physical Geology (3)
	1020	Earth History (3)
MATH	1060, 1080	Calculus of One Variable I, II (4)
	2060	Calculus of Several Variables (4)
	2080	Introduction to Ordinary Differential Equations (4)
PHYS	1220, 2210	Physics with Calculus I, II (3)
	2220	Physics with Calculus III (3)

#### Group C: Arts and Humanities

Courses that satisfy Group C: Arts and Humanities, include courses listed in the Undergraduate Announcement Catalog under General Education Coursework C.

Examples:

AAH	1010	Survey of Art & Architectural History I (3)
	2030, 2040	History & Theory of Architecture I, II (3)
	2100	Introduction to Art & Architecture (3)
ENGL	2120	World Literature (3)
	2130	British Literature (3)
	2140	American Literature (3)
	2150	Literature in 20 <sup>th</sup> and 21 <sup>st</sup> Century Contexts (3)
FR	2010, 2020	Intermediate French (3)
GER	2010, 2020	Intermediate German (3)
HON	1900	Freshman Colloquium: Arts and Humanities – Literature (3)
	1910	Freshman Colloquium: Arts and Humanities - non-Literature (3)
	2010	Experiencing Arts (3)
	2030	Society, Art, and Humanities (3)
	2210	Studies in Literature (3)
	2220	Studies in Arts and Humanities
ITAL	2010, 2020	Intermediate Italian (3)
MUSC	2100	Music Appreciation: Music in the Western World (3)
PHIL	1010	Introduction to Philosophic Problems (3)
	1020	Introduction to Logic (3)
	1030	Introduction to Ethics (3)
REL	1020	World Religions (3)
RUSS	2010, 2020	Intermediate Russian (3)
SPAN	2010, 2020	Intermediate Spanish (3)
THEA	2100	Theatre Appreciation (3)

#### Group D: Social Science

Courses that satisfy Group D: Social Sciences, include courses listed in the [Undergraduate Announcement Catalog](#) under General Education Coursework D.

ECON	2110	Principles of Microeconomics (3)
	2120	Principles of Macroeconomics (3)
	3140	Intermediate Microeconomics (3)
	3150	Intermediate Macroeconomics (3)
HIST	1220	History, Technology and Society (3)
	1240	Environmental History Survey (3)
	1720, 1730	The West and the World I, II (3)
HON	1920	Freshman Colloquium: Social Science (3)
	2020	Science, Culture & Human Values (3)
	2200	Studies in Social Science (3)
LAW	3220	Legal Environment of Business (3)
POSC	1010	American National Government (3)
	1020	Introduction to International Relations (3)

	1030	Introduction to Political Theory (3)
	1040	Introduction to Comparative Politics (3)
PSYC	2010	Introduction to Psychology (3)
	3400	Lifespan Developmental Psychology (3)
	3520	Social Psychology (3)
	3830	Abnormal Psychology (3)
	3900	Honors Seminar in Psychology (3)
SOC	2010	Introduction to Sociology (3)

#### Group E Cross-Cultural Awareness

Courses that satisfy Group E: Cross Cultural Awareness, include courses listed in the [Undergraduate Announcement Catalog](#) under General Education Coursework E.

Examples:

AAH	1020	Introduction to Art & Architecture (3)
HIST	1720, 1730	The West and the World I, II (3)
HON	1930	Freshman Colloquium: Cross Cultural Awareness (3)
	2090	Border Crossings (1-3)
MUSC	2100	Music Appreciation: Music in the Western World (3)
POSC	1020	Introduction to International Relations (3)
REL	1020	World Religions (3)

#### Group F: Science and Technology in Society

Courses that satisfy Group F: Science and Technology in Society, include courses listed in the [Undergraduate Announcement Catalog](#) under General Education Coursework F.

Examples:

HON	1940	Freshman Colloquium: Science and Technology in Society (3)
	2010	Structures and Society (3)
	2060	Controversies in Science and Technology (3)
HIST	1220	History, Technology and Society (3)
	1240	Environmental History Survey (3)

#### Group G: Other

Courses typically fall into this group if they cannot easily be categorized into Groups A-F (i.e. business, education, PRTM-related courses). If you are unsure of what group a course would satisfy, please reach out to the Honors advising staff for clarification.

Examples:

ACCT	2010	Financial Accounting Concepts (3)
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	2020	Managerial Accounting Concepts (3)
HON	2050	Current Issues (1-3)
HON	2070	Critical Inquiry and Problem Solving (3)
GC	1040, 2070	Graphic Communications I, II (4, 3)
MGT	2010	Principles of Management (3)
MKT	3010	Principles of Marketing (3)
PRTM	2010 2700	The Recreation/Leisure Environment (3) Introduction to Recreation Resources Management (3)

*Note: This is not a comprehensive list of all Honors courses offered, but examples of courses that have been offered in the past. For a full list of Honors course offerings, please check the iROAR registration system. Students are advised to contact their assigned Honors Advisor if they are unclear with which group a course will satisfy.*

## INTERDISCIPLINARY HONORS PROGRAM

### **Purpose**

The purpose of Interdisciplinary Honors is to provide honors students a unique opportunity to do advanced, in-depth study and/or research that combines at least two academic disciplines. Specific requirements are determined by an agreement with a faculty member in one of the academic departments, who will serve as the Interdisciplinary Honors advisor, and approved by the Director of the Honors College. Students interested in Interdisciplinary Honors must speak with an Honors advisor prior to beginning the process by contacting their assigned Honors Advisor. To learn more about Interdisciplinary Honors, you can visit our website at <https://www.clemson.edu/cuhonors/academics/curriculum-tracks/interdisciplinary.html>.

### **Basic Policies**

Interdisciplinary Honors requires at least 14 credit hours divided as follows:

**Three-Course Option.** Three upper level courses of at least three credit hours each across at least two disciplines, each in conjunction with HON H 4010 (1) for a total 12 credit hours, plus two hours of HON H4990

or

**Thesis/Project Option.** Two upper level courses of at least three credit hours each across two disciplines, each in conjunction with HON H4010, plus at least 6 hours of HON H 4990

To be eligible for Interdisciplinary Honors the student must have reached an agreement with a faculty member, who will serve as their Interdisciplinary Honors advisor, by the end of their sophomore year on a series of proposed courses for their junior and senior years (exceptions will be made only in unusual cases, and must have the approval of the Director of the Honors College). These courses must span at least two different subject areas. The agreement between the student and faculty member must be approved by an Interdisciplinary Honors Steering Committee before the start of the junior year, with an update and revision form submitted at the end of the junior year and as necessary afterwards. *Under no circumstances can courses be counted toward the requirements for Interdisciplinary Honors unless they are approved in advance by the Interdisciplinary Honors Steering Committee.* The faculty advisor will sign a completion form at the end of the senior year.

The faculty advisor will be listed as faculty of record for the one credit hour HON H 4010 companion course for the upper level courses the student will be completing. In addition, the same faculty member will be the instructor for HON H4990.

In HON H 4010 the student will meet regularly with the faculty advisor to discuss additional readings related to the associated course, and how the course integrates with the student's proposed interdisciplinary topic. The student will be required to submit a final reflection essay as part of grade for each semester of HON H 4010.

Students completing the thesis or major project option will take at least 6 hours of HON H4990 and prepare a substantial product (which must be described and approved in the form at the end of the junior year). Students taking the three course option will take two hours of HON H4990 as a capstone course to explore

connections between their courses, culminating in a reflective essay pulling together their interdisciplinary experience.

At graduation the student who has successfully completed either of these programs will be awarded the distinction of Interdisciplinary Honors, which will be the equivalent of the designation of Departmental Honors.

Interdisciplinary Honors courses cannot count towards either General Honors or Departmental.

**Interdisciplinary Course Proposal Form** | Due with at least four semesters (fall and spring) remaining in a students' academic curriculum

Eligible students must have 4 semesters (excluding summer) left within their undergraduate curriculum. Student, Faculty mentor and Honors Staff must sign and approve documentation prior to the start of coursework. The proposal will include the proposed interdisciplinary course curriculum and summary of focus.

**Interdisciplinary Revision Form** | Due no later than the last day of classes concluding Junior Year and as necessary afterwards

Students will revise their original proposal and include updates to curriculum or project focus.

**Interdisciplinary Course Completion Form** | Due no later than the final day of classes the semester the student intends to graduate.

Faculty will submit a completion form awarding the student with interdisciplinary Honors if the student made an A or B in all courses in the proposal.

## DEPARTMENTAL HONORS PROGRAMS

### **Purpose**

The purpose of Departmental Honors is to provide honors students a unique opportunity to do advanced, in-depth study and research within their major academic disciplines. Specific requirements are set by the student's department; however, it is expected that all students, regardless of major, will complete a thesis, portfolio of creative works, or major research project under the guidance of a faculty member or committee of faculty.

### **Basic Policies**

Generally, Departmental Honors is completed during your junior and senior years. To be considered for any Departmental Honors program, you must have a cumulative GPA of 3.40 or higher and the approval of your department.

Normally, students achieve Departmental Honors in the academic discipline of their major. However, Departmental Honors can be earned in an area of study other than that of the student's major. Students wanting to complete Departmental Honors in two different disciplines must complete the Dual Departmental Honors form available on the Honors web site.

Courses taken for Departmental Honors must be honors courses.

Honors courses count towards either General Honors or Departmental but not for both General and Departmental Honors.

### **College of Agriculture, Forestry and Life Sciences**

#### **Agriculture Other**

For majors in Agricultural Education; Agricultural Mechanization and Business; Animal and Veterinary Sciences; Agribusiness; Environmental and Natural Resources; Food Science; Horticulture; Packaging Science; Soils and Sustainable Crops Systems; Turfgrass; and Wildlife and Fisheries Biology, the Departmental Honors requirements consist of 12 semester hours as follows:

PES	4910	Senior Honors Research (3)
	4920	Senior Honors Research (3)

The additional six semester hours may be taken in any 3000- or 4000-level agriculture honors courses (see following list) or other life science honors courses approved by your academic advisor.

PES	3150	Environment and Agriculture (3)
APEC	3090	Economics of Agricultural Marketing (3)
	4520	Agricultural Policy (3)
	4560	Prices (3)
AVS	3700	Principles of Animal Nutrition (3)
	3750	Applied Animal Nutrition (3)
	4010	Beef Production (3)

	4120	Advanced Equine Management (3)
	4140	Basic Immunology (3)
	4530	Animal Reproduction (3)
	4700	Animal Genetics (3)
ENT	4000	Insect Morphology (4)
	4040	Urban Entomology (3)
	4690	Aquatic Insects (3)
ETOX	4210	Chemical Sources & Fate in Environmental Systems (3)
FDSC	4010	Food Chemistry I (3)
	4020	Food Chemistry II (3)
	4200	Special Topics in Food Science (1-3)
	4210	Special Problems in Food Science (1-4)
GEN	3020	Molecular and General Genetics (3)
	4100	Population and Quantitative Genetics (3)
	4200	Molecular Genetics and Gene Regulation (3)
	4400	Bioinformatics (3)
	4500	Comparative Genetics (3)
HORT	4610	Advanced Landscape Garden Design (4)
NUTR	4010	Fundamentals of Nutrition (3)
	4250	Medical Nutrition Therapy II (4)
PKSC	3680	Packaging and Society (3)
	4040	Mechanical Properties of Packages & Principles of Protective Packaging (3)
	4640	Food and Health Care Packaging Systems (4)
PLPA	3020	Plant Pathology Research (1-3)
WFB	4120	Wildlife Management (3)
	4620	Wetland Wildlife Biology (3)
	4690	Aquatic Insects (3)

#### ***Environmental and Natural Resources***

Departmental Honors in Environmental and Natural Resources requires at least 12 hours of honors credit taken as follows:

PES	4910	Senior Honors Research (3)
	4920	Senior Honors Research (3)
<i>-or-</i>		
BIOC	4910	Undergraduate Research in Biological Sciences (2-4) at least six (6) hours, taken under a single research advisor over two semesters
<i>-or-</i>		
FNR	4910	Senior Honors Thesis I (3)
	4920	Senior Honors Thesis II (3)

*-and-*

Six (6) hours of honors credit taken from the following courses, or other 3000- or 4000-level honors courses approved by your advisor:

PES	3150	Environment and Agriculture (3)
APEC	3090	Economics of Agricultural Marketing (3)
	4520	Agricultural Policy (3)
	4560	Prices (3)
BIOL	3020	Invertebrate Biology (3)
	3030	Vertebrate Biology (3)
	3040	Biology of Plants (3)
	4000	Insect Morphology (4)
	4010	Plant Physiology (3)
	4060	Introductory Plant Taxonomy (3)
	4080	Comparative Vertebrate Morphology (3)
	4090	Comparative Vertebrate Morphology Laboratory (2)
	4110	Limnological Analyses (2)
	4140	Basic Immunology (3)
	4200	Neurobiology (3)
	4320	Animal Histology (3)
	4330	Animal Histology Laboratory (2)
	4400	Developmental Animal Biology (3)
	4410	Ecology (3)
	4420	Biogeography (3)
	4450	Ecology Laboratory (2)
	4460	Plant Ecology (3)
	4470	Plant Ecology Laboratory (2)
	4500	Developmental Biology Laboratory (2)
	4560	Medical and Veterinary Parasitology (3)
	4570	Medical and Veterinary Parasitology Laboratory (2)
	4580	Cell Physiology (3)
	4590	Systems Physiology (3)
	4610	Cell Biology (3)
	4700	Behavior Ecology (3)
	4750	Comparative Physiology (3)
	4760	Comparative Physiology Laboratory (2)
	4840	Human and Comparative Vertebrate Embryology (3)
ENT	4000	Insect Morphology (4)
	4040	Urban Entomology (3)
	4690	Aquatic Insects (3)
ENTX	4210	Chemical Sources & Fate in Environmental Systems (3)
GEN	3020	Molecular and General Genetics (3)
	4100	Population and Quantitative Genetics (3)
	4200	Molecular Genetics and Gene Regulation (3)
	4400	Bioinformatics (3)

HORT	4500	Comparative Genetics (3)
WFB	4610	Advanced Landscape Garden Design (4)
	4120	Wildlife Management (3)
	4620	Wetland Wildlife Biology (3)
	4690	Aquatic Insects (3)

***Food, Nutrition, and Packaging Sciences***

Departmental Honors in Food, Nutrition, and Packaging Sciences requires the following sequence of courses totaling 12 credit hours.

Directed Research in Food Science, Nutrition or Packaging Sciences for a total of six (6) credit hours over a period of two semesters under a single advisor.

FDSC	4950, 4951	Senior Honors Research and Lab
	4960, 4961	Senior Honors Research and Lab

-or-

NUTR	4950, 4951	Senior Honors Research and Lab
	4960, 4961	Senior Honors Research and Lab

-or-

PKSC	4950, 4951	Senior Honors Research and Lab
	4960, 4961	Senior Honors Research and Lab

-and-

Six (6) hours taken from the following honors courses or other 3000- or 4000-level agriculture or life sciences honors courses approved by your academic advisor.

FDSC	4010	Food Chemistry I (3)
	4020	Food Chemistry II (3)
	4200	Special Topics in Food Science (1-3)
	4210	Special Problems in Food Science (1-4)

NUTR	4510	Human Nutrition and Metabolism I (3)
	4240	Medical Nutrition Therapy I (4)
	4250	Medical Nutrition Therapy II (4)

PKSC	3680	Packaging and Society (3)
	4040	Mechanical Properties of Packages & Principles of Protective Packaging (3)
	4640	Food and Health Care Packaging Systems (4)

The Food, Nutrition, and Packaging Sciences Departmental Honors requirement includes completion of an advanced, mentored 2-semester research project under a single research advisor culminating in an advisor

approved Honors thesis, in-depth written report or portfolio of work and an oral project summary presentation.

***Forest Resource Management***

Departmental Honors in Forest Resource Management requires the following sequence of courses totaling 8 credit hours:

FNR	4910	Senior Honors Thesis I (3)
	4920	Senior Honors Thesis II (3)

And two (2) additional honors seminars, 1 credit hour each taken with an affiliated 4000-level course, from the following:

FOR	4260	Forest Resource Management Plans Seminar (1) (taken with FOR 4250)
	4610	Silviculture Honors Seminar I (1) (taken with FOR 4650)
	4630	Silviculture Honors Seminar II (1) (taken with FOR 4650)

**College of Architecture, Arts and Humanities**

***Architecture***

Departmental Honors in Architecture requires the following sequence of courses totaling 8 credit hours:

ARCH	4900	Honors Directed Studies for a total of six semester hours taken over two semesters
HON	XXXX	Honors Architecture Seminars (1 hour) two for a total of two semester hours

To earn Departmental Honors in Architecture, students must enroll in an Honors section of ARCH 4900 (for three credit hours) and perform research related to a subject topic of personal interest to them in the field of architecture or other related disciplines. Students must also enroll in a second Honors section of ARCH 4900 (for three credit hours) to be coordinated with the work undertaken in one of the final three design studios and will prepare a thesis project based on the studio subject. An additional two one-hour Honors Architecture Seminars must be completed for a total of eight hours of Departmental Honors coursework.

***English***

Departmental Honors in English requires the following sequence of courses totaling 6 credit hours:

ENGL	4380	Departmental Honors Research (3)
	4390	Departmental Honors Project (3)

To earn Departmental Honors in English you must: 1) be an honors student with a cumulative GPR of 3.40 or better in English courses; and 2) complete an honors project. The honors project is most often a thesis but it may also be a creative work such as a play, a film or television script, a novella, or a collection of poems or short stories. The project is completed over the course of two consecutive semesters (typically either your sixth and seventh or your seventh and eighth semesters).

No later than the first day of the registration period of your sixth semester, you must have the approval of both the English Department Honors Coordinator and an English Department faculty member who has agreed to serve as the advisor for your project. Your thesis committee will be made up of the advisor and one additional English faculty member. If you choose, you may also add a third committee member from any department who has expertise in your topic.

In English 4380, you will begin developing your project and conduct your research. By November 1 (April 1 in the spring semester), you will submit a brief prospectus of your project for the approval of your committee and the Honors Coordinator. You will write and complete the project, which should run 30-40 pages in length, during English 4390. You must submit a complete draft of the thesis to your committee by March 15 (October 15 in the fall semester). If your committee suggests revisions following the defense, they must be completed so that the final draft is submitted for the committee's approval no later than two weeks before the end of classes for the semester. To be awarded Departmental Honors you must publicly defend the completed project and receive a grade of A in ENGL 4390.

### ***History***

Departmental Honors in History requires the following sequence of courses totaling 6 credit hours:

HIST	4970	Senior Honors Research (3)
	4980	Senior Honors Thesis (3)

To be eligible for the Departmental Honors program in History you must: 1) be an honors student with a cumulative GPA of 3.40 or higher; 2) have completed at least one 4000-level Studies in History course with a grade of A or B; 3) have reached a tutorial agreement with a History faculty member; and 4) have the approval of the department chair at least a week before the early registration period of your sixth semester. The department chair will appoint a second faculty member to form your thesis committee.

The thesis will be written over two consecutive semesters under the guidance of your committee. It should demonstrate intelligence and sensitivity in dealing with the topic as well as your ability to use primary sources and evaluate existing scholarship on the subject.

Under the guidance of the thesis committee and during the first semester of HIST 4970, you will define the topic, complete a tentative bibliography, and conduct research. At the end of the semester you will give the committee a progress report and indicate your plans for the thesis. During the second semester of HIST 4980 and under the supervision of your tutor, you will write and complete the thesis. A preliminary draft and annotated bibliography are due by November 1 (April 1 for the spring semester). Following any suggested revisions, the final draft of the thesis must be submitted to the committee for its approval at least seven days before the last day of classes for the semester.

You must publicly defend the thesis before the thesis committee and any other History faculty who wish to attend. Three copies of the thesis are to be submitted, one to the tutor, one to the department office, and one to the Honors Office.

### **Landscape Architecture**

Departmental Honors in Landscape Architecture requires the following sequence of courses totaling 5-9 credit hours:

LARC	4910	Honors Research Methods for Landscape Architecture (1-3)
	4940	Landscape Architecture Honors Research (2-3)
	4950	Landscape Architecture Honors Thesis (2-3)

The Departmental Honors program in Landscape Architecture consists of a three-course sequence culminating in an honors thesis. In LARC 4910 students attend weekly meetings to study various research methodologies in the discipline of landscape architecture. By the end of this course students are expected to develop a proposal for an individual project to be pursued in the second course of the sequence. In LARC 4940, the student researches the selected and approved project under the weekly supervision of a faculty mentor. The sequence concludes with LARC 4950 in which the student is expected to submit a written thesis to the faculty mentor at least two weeks before the end of the semester.

### **Languages (French and Spanish)**

Departmental Honors in French or Spanish requires the following sequence of courses totaling 8 credit hours:

#### **French**

FR	4380	French Honors Research (3)
	4390	French Honors Thesis (3)

Two of the following independent study courses:

FR	3910	Survey of French Literature (1), taken with FR 3000
	4910	Modern French Literature (1), taken with FR 4000
	4920	The French Corporation (1), taken with FR 4170

#### **Spanish**

SPAN	4380	Spanish Honors Research (3)
	4390	Spanish Honors Thesis (3)

Two of the following independent study courses:

SPAN	3910	Honors Intro to Hispanic Literary Forms (1), taken with SPAN 3010
	3920	Survey of Spanish Literature (1), taken with SPAN 3130
	3930	Hispanic World: Latin America (1), taken with SPAN 3080
	4910	Hispanic Narrative Fiction (1), taken with SPAN 4060
	4920	Contemporary Latin American Novel (1), taken with SPAN 4220

Honors students must complete a thesis in the selected language (either French or Spanish). The thesis is written over the course of two semesters, during which the student will be enrolled in the tutorial sequence of FR 4380-4390 or SPAN 4380-4390, for a total of six credit hours. If the thesis is based on work done in a previous course, the student must revise, edit and develop the topic in 4380. In 4390 the student will draft, edit and complete the thesis, which must be written in the selected language and prepared according to the

MLA Style Manual. The thesis will be read and evaluated by at least two faculty members in the Department of Languages.

#### ***Performing Arts***

Department honors in Production Studies in Performing Arts will require the following sequence of courses totaling 6 credit hours:

PA	4910	Performing Arts Honors Research (3)
	4920	Performing Arts Honors Project (3)

To earn departmental honors in Production Studies in Performing Arts, a student must:

1. Be an honors student with a cumulative GPA of 3.40 or higher
2. Complete the two semester honors project
3. Receive a grade of A in PA 4920. The honors project topic should be selected from the following:
  - Present a lecture/recital of a musical work, music of a specific composer, or music representative of a specific genre; including a 15 to 25 page thesis related to the genre of the music performed.
  - Present a lecture/demonstration of a theatrical work, work of a specific playwright, or a specific theatrical genre; including a 15 to 25 page thesis to the genre of the work(s) performed.
  - Author a theatrical work or musical composition; including a 15 to 25 page thesis related to the specific genre of the work.
  - Serve as director of a musical or theatrical production; including a 15 to 25 page thesis related to the specific genre of the production.
  - Other creative project with thesis as approved by the department chair and department scholarship, honors & awards committee.

The project is to be completed over the course of two semesters, beginning in the student's sixth semester. Early in the fifth semester, the student will consult with the department chair regarding the type of project in which he/she is interested. Prior to the first day of registration of the sixth semester, the student will present a brief prospectus of the project to the chair and members of the department Scholarship, Honors & Awards committee. Upon approval of the project, the chair will suggest an advisor for the project and select a three person project committee, composed of the project advisor a member of the department Scholarship, Honors & Awards committee and a third faculty member.

In PA 4910 students will research and develop their project. At the end of the semester, students will give their project committee a progress report including specific plans for the project presentation and thesis. In PA 4920, students will finalize and present their project. At least one week prior to the end of classes in the seventh semester, students will publicly present their project to their project committee and any other interested faculty/students who wish to attend.

#### ***Philosophy and Religion***

Departmental Honors in Philosophy and Religion requires the following sequence of courses totaling 6 credit hours:

PHIL	4970	Philosophy Honors Research (3)
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4980 Philosophy Honors Thesis (3)

Or

REL        4970 Religion Honors Research (3)  
            4980 Religion Honors Thesis (3)

To be eligible for the Departmental Honors program in Philosophy and Religion you must: 1) be an honors student with a cumulative GPA of 3.40 or higher; 2) have reached a tutorial agreement with a Philosophy and Religion faculty member who will serve as the thesis advisor; and 3) and have the approval of the department chair no later than a week after the beginning of your seventh semester. You are strongly encouraged to begin the project during the second semester of your junior year.

In consultation with the advisor, you will select two other faculty members for your thesis committee. At least one of these additional members must be in the Department of Philosophy and Religion. You will write the thesis over two consecutive semesters.

During the first semester (in PHIL/REL 4970) you will conduct research, clearly define the topic, and complete a tentative bibliography under the supervision of your thesis advisor. At the end of this semester, you must give the thesis committee a written progress report indicating your plans for the thesis. Early in the second semester (in PHIL/REL 4980) you must consult with your thesis committee members and set a date for the defense of your thesis, which must take place no later than the final day of regularly scheduled classes for that semester. A penultimate draft must be provided to the thesis committee at least two weeks prior to the defense. After receiving comments from the committee members, the final draft of the thesis must be submitted to the committee no later than the final day of exams for that semester. Five copies of the final draft are to be submitted, one to each of the committee members, one to the chair of the department, and one to the Honors Office.

The thesis must be defended publicly before the thesis committee and any other Philosophy and Religion faculty who wish to attend. The committee will determine the grade for PHIL/REL 4980 based on the thesis and defense, awarding departmental honors to students receiving an A or A-.

#### College of Behavioral, Social and Health Sciences

##### ***Communication Studies***

Departmental Honors in Communication Studies requires the following sequence of courses totaling 6 credit hours over two semesters:

COMM        4960 Honors Creative Inquiry Capstone (3) for a total of six credit hours over a period of two semesters

To earn Departmental Honors in Communication Studies, students must achieve a cumulative grade point average of 3.40 or better in Communication Studies courses and complete the two-semester Honors thesis

project, ideally building on a project designed in one of the prerequisite research courses, COMM 3060, 3100 or 3110. The project is to be completed during a student's final two semesters.

Prior to the conclusion of the *sixth* semester, students should enlist the guidance of a faculty adviser who will then oversee their Honors thesis during their *seventh* and *eighth* semesters. During the seventh semester, students enroll in COMM 4960, Honors Creative Inquiry Capstone, for 3 credits and undertake the first stages of their thesis.

During the *eighth* semester, students enroll in COMM 4960, Honors Creative Inquiry Capstone, for 3 additional credits in order to complete the final work on their thesis which will culminate in a substantial written paper of conference or publication quality and length.

The final project will be evaluated by the student's Honors committee and then presented in an oral presentation open to the public.

Students must have a grade of A or B in the two 496 courses.

### ***Health Sciences***

Departmental Honors in Health Science requires the following sequence of courses totaling 7 credit hours:

HLTH	3950	Honors Research Seminar (3)
	4950	Honors Thesis Seminar (3)
	4960	Honors Research Colloquium (1)

Departmental Honors in Public Health Sciences requires two semesters (three credits each) of independent research and participation in a one-credit research colloquium in which the student will present an honors thesis, portfolio of creative work, a major research project, or service-learning project in a public forum to other honors students and faculty. The Department of Public Health Sciences will select six Departmental Honors candidates each year for participation in the Departmental Honors program. In HLTH 3950, the student participates with other honors students in a research seminar and attends the senior honors student presentations during the honors research colloquium. Students are required to identify faculty mentors during the spring semester of their junior year as part of this seminar and solicit their input in the creation of the research proposal. HLTH 4950 involves collection and analysis of data under the supervision of a faculty mentor in the student's area of interest, the writing of the thesis, the creation of a portfolio of creative work, or the development of a major research project and oral, written and/or visual presentation of the honors work to the faculty of the Department of Public Health Sciences and departmental honors students in a one-hour research colloquium, HLTH 4960, in the Spring of the senior year. Honors projects are expected to involve substantial independent research and will demonstrate a command of the appropriate literature.

### ***Nursing***

Departmental Honors in Nursing requires the following sequence of courses totaling 9 credit hours:

NURS	3280	Honors Seminar I (2)
	3300	Research in Nursing (3)

- 4200 Honors Seminar II (2)  
4280 Honors Seminar III (2)

Students work with an honors mentor to develop and implement an honors project. In NURS 3280, students identify an area of interest, identify team members for their project, and contact a faculty mentor. In NURS 3300, students review the literature about their topic and begin to develop their proposals. In NURS 4280, students finalize their proposal and submit for funding, then in NURS 4280, students carry out their project, write it up and present it at the college research day and at any Calhoun Honors research day.

This is designed to provide nursing honors students an opportunity for advanced, independent and in-depth study of a clinical problem or professional issue in nursing under the guidance of a faculty preceptor.

Honors nursing students develop and implement a directed study project or honors thesis that addresses a major clinical problem related to nursing or a professional nursing issue.

Students will be admitted to the Honors Program in Nursing in the Fall semester only.

***Parks, Recreation, and Tourism Management***

Departmental Honors in Parks, Recreation, and Tourism Management requires the following sequence of courses totaling 9 credit hours:

- |      |  |
|------|--|
| PRTM | 3990 Introduction to Field Training and Research (1) |
|      | 4090 Methods of Recreation Research I (3)            |
|      | 4100 Methods of Recreation Research II (3)           |
|      | 4990 Presentation of Honors Projects (1)             |
|      | 9100 Research Seminar (1)                            |

PRTM Departmental Honors is earned through a cohort-based program. Students may apply to the Departmental Honors Coordinator to participate in the program or faculty may nominate students for the program. Applications are processed each fall and the PRTM Department selects approximately seven candidates for each cohort annually.

Departmental Honors students begin the program by taking PRTM 3990 to orient them to their upcoming research projects, including providing background information and related field experiences. Following PRTM 3990, students will take the sequence of PRTM 4090 and 4100 with a faculty member who has a research project beginning or ongoing. In PRTM 4090 the students will learn the rationale for the faculty member's project, examine the scientific literature relevant to the project, become familiar with the methods and tools related to the research, and develop a research proposal that fits within or compliments the planned or ongoing research project. In PRTM 4100 the student will conduct the proposed research project, including any necessary field work, data collection, or analyses. Students then take PRTM 9100 (graded as a pass/no pass course based predominantly on attendance and participation) in conjunction with HON 4000 to provide insights into graduate-level research, research presentations, and the potential opportunities afforded in a PRTM graduate program. Honors students earn graduate credits for taking PRTM 9100, as allowed by university policy for undergraduate seniors with a 3.0 GPA or higher. Finally, in PRTM 4990 the students

complete a written summary of the project conducted in PRTM 4100 and prepare and present an oral summary of the project. The oral presentation will be made in PRTM 9100 or in an appropriate professional setting with the permission of the supervising instructor. Upon approval of the Departmental Honors Coordinator, PRTM 4080 Honors Internship (6 credits) may be taken in place of PRTM 4090 and 4100.

The eight honors-based credit hours from PRTM 3990, 4090, 4100, and 4990 (or PRTM 4080, if taken) may in some cases be substituted for regular degree requirements.

Departmental Honors may not be available to students concentrating in Golf or Recreation Therapy because of conflicts with external requirements for professional certification.

#### ***Political Science***

Departmental Honors in Political Science requires the following sequence of courses totaling 8 credit hours:

POSC	3950	Junior Honors Research Seminar (1)
	3960	Junior Honors Research (1)
	4900	Senior Honors Thesis Research (3)
	4910	Senior Honors Thesis (3)

Departmental Honors in Political Science consists of four courses, of which, three (3) hours will count toward the 30 hours in Political Science required for graduation. In your junior year you will take POSC 3950 and POSC 3960. In POSC 3950, you will participate with other honors students and with various members of the faculty in a research seminar. In this course, you will learn how to develop a research topic and how to choose an appropriate research methodology, and you will have the opportunity to hear research presentations by students who are writing their senior theses. At the conclusion of the course, you will prepare a research prospectus for a project to be completed the following semester in POSC 3960. This project will comprise a substantial research paper, written in conjunction with any approved three-credit 3000- or 4000-level political science course.

The senior thesis consists of a two-course sequence that will involve substantial independent research and will demonstrate a command of the appropriate literature. The thesis will be graded by your advisor, taking into account the comments of at least one other member of the faculty.

Requirements for POSC 4900 are assigned by your advisor and typically will consist of a detailed proposal or topic outline, an annotated bibliography, and other evidence of progress toward completion of the thesis. The final thesis grade will be summa cum laude, magna cum laude, cum laude, or no distinction. The course grade for POSC 4910 will be A for theses awarded an honors grade and B or below for theses awarded a grade of no distinction.

The Political Science Department also offers honors courses taught in a foreign language (French or Spanish):

POSC	3610	American Diplomacy and Politics (3)
	3750	European Integration (3)

### **Psychology**

Departmental Honors in Psychology requires the following sequence of courses totaling 6-8 credit hours:

PSYC	4900	Senior Division Honors Research (2-4)
	4910	Senior Division Honors Research II (2-4)

A cumulative GPA of 3.40 or higher in Psychology courses is required for participation in Departmental Honors. The program involves two semesters of independent research culminating in a thesis of publishable quality. The thesis may be empirical, historical, or theoretical in nature and should demonstrate your ability to evaluate and subsequently add to an important area of psychological study. A total of six to eight credits of PSYC 4900 and PSYC 4910 is required, with variable credit hours per semester allowed.

The department recommends that you take PSYC 4900 the second semester of your junior year and PSYC 4910 the first semester of your senior year. You are encouraged to use the second semester of your senior year for manuscript revision and submission of your thesis for publication. Prior to undertaking PSYC 4900 you are encouraged to participate in the PSYC 4990 seminar, which focuses on specific research projects and evaluation of design, methods, analysis, and interpretation.

To graduate with Departmental Honors you must successfully defend your completed thesis before the thesis committee and other interested parties.

The department also offers the following honors courses:

PSYC	3400	Life-span Developmental Psychology (3)
	3520	Social Psychology (3)
	3830	Abnormal Psychology (3)
	3900	Honors Seminar in Psychology (3)
	4220	Sensation and Perception (3)
	4970	Directed Studies in Psychology (1-4)
	4980	Team Based Research (1-4)

### **Sociology**

Departmental Honors in Sociology requires the following sequence of courses totaling 10 credit hours:

SOC	3040	Social Research Methods II (HON) (4)
	4080	Honors Thesis Research I (3)
	4090	Honors Thesis Research II (3)

To be eligible for Departmental Honors in Sociology, you must: (1) be an Honors student with a cumulative GPA of 3.4 or better; (2) have earned a cumulative GPA of 3.4 or better in all Sociology courses (to include at least one 4000-level Sociology course); and (3) have the approval of the department chair and/or the departmental Honors coordinator. Departmental Honors in Sociology requires the completion of Soc 3040 as an Honors course and the completion of an Honors thesis concurrent with enrollment in Soc 4080 and 4090.

The six (6) credit hours earned for Soc 4080 and 4090 will be in addition to the required hours of Sociology courses necessary for graduation.

The Honors thesis is completed over the course of two consecutive semesters (typically either your sixth and seventh or your seventh and eighth semesters). In the semester preceding enrollment in Soc 4080, you should enlist the guidance of a faculty advisor who will then oversee their Honors thesis during the following two semesters. Your thesis committee will be made up of the advisor and one additional departmental faculty member. If you choose, you may also add a third committee member from any department who has expertise in your topic. The thesis will involve substantial independent research and demonstrate a command of appropriate literature. The thesis will be graded by the advisor, who will receive and consider the comments of your committee. Requirements for Soc 4080 and 4090 and a timeline for completion of your thesis will be assigned by your advisor. The SOC 4080 work usually consists of a detailed outline proposal, an annotated bibliography, and other evidence of substantial work toward completion of the thesis. SOC 4090 will involve the actual writing, and where necessary, revision of the thesis for presentation. To graduate with Departmental Honors you must successfully defend your completed thesis before the thesis committee and other interested parties and receive a grade of A or B in Soc 3040, 4080, and 4090.

Students pursuing Departmental Honors are encouraged to enroll in additional Sociology courses at the Honors level. The department also offers the following Honors courses; additional courses may be taken at the Honors level with concurrent enrollment in HON 4000:

SOC 2010 Introduction to Sociology (3)  
SOC 3100 Marriage and Intimacy (3)  
SOC 3110 The Family (3)  
SOC 3940 Sociology of Mental Illness (3)  
SOC 4610 Sociology of Sex and Gender (3)

### **College of Business**

#### ***Accounting***

Departmental Honors in Accounting requires four of the following courses totaling 12 credit hours:

ACCT	3030	Cost Accounting (3)
	3110	Intermediate Financial Accounting I (3)
	3120	Intermediate Financial Accounting II (3)
	3130	Intermediate Financial Accounting III (3)
	4040	Individual Taxation (3)

In lieu of no more than one of the above courses, the student may take one 3000- or 4000-level honors course in Economics, Finance, Management or Marketing.

#### ***Economics***

Departmental Honors in Economics requires the following sequence of courses totaling 6 credit hours:

ECON	4910	Senior Honors Thesis Research (3)
	4920	Senior Honors Thesis Writing (3)

During the second semester of the junior year the student will select, in consultation with a senior faculty member, a suitable topic for the senior thesis. The topic may be an extension of the one chosen for ECON 3900, or something entirely different. In either case, the student must demonstrate an imaginative approach to the subject. The thesis must also display a command of economic theory and an ability to apply theory to the analysis of real-world events.

During the semesters in which ECON 4910 and ECON 4920 are taken, the student will make frequent progress reports to the thesis advisor. Before the end of ECON 4920, the student will present an oral report on the project to members of the faculty and fellow students. The final thesis, which should be written using a style guide such as the Chicago Manual of Style, will be bound and retained in the departmental library. One copy will be provided to the Honors Office.

Although not part of the Departmental Honors Program in Economics, the following courses may be taken for honors credit:

ECON	3900	Junior Honors Research (1) in conjunction with an approved economics course At the 3000 or 4000 level.
	3140	Intermediate Microeconomics (3)
	3150	Intermediate Macroeconomics (3)
	3500	Moral and Ethical Aspects of a Market Economy (3)
	4260	Seminar in Sports Economics (3)
	4980	Selected Topics in Economics (3)

### ***Financial Management***

For majors in Accounting and Financial Management, the Departmental Honors in Financial Management requirements consist of 12 semester hours as follows:

Corporate Finance sequence:

FIN	3110	Financial Management I (3)
	3120	Financial Management II (3)
	4020	Advanced Corporate Finance (3)
	4040	Financial Modeling (3)

Banking and Investments sequence:

FIN	3110	Financial Management I (3)
	3120	Financial Management II (3)
	4050	Portfolio Management and Theory (3)
	4060	Analysis and Use of Derivatives (3)

Financial Planning sequence:

FIN	3110	Financial Management I (3)
	3120	Financial Management II (3)
	4050	Portfolio Management and Theory (3)
	4090	Professional Financial Planning (3)

Students may not mix and match courses from different sequences to count for Departmental Honors credit.

In the Corporate Finance sequence, students work individually and in groups on a year-long merger analysis project (FIN 4020 and 4040) including background research on the firms, ratio analysis, comparable firms analysis, and comparable transactions analysis. They write an end of year report and present their findings to the faculty.

In the Banking and Investments sequence (FIN 4050 and 4060), students work on individualized projects related to practical applications in investments management.

In the Financial Planning sequence (FIN 4050 and FIN 4090), students will develop a trading strategy used in individual and institutional portfolio management and then incorporate this strategy into a comprehensive financial plan. Students will prepare a written plan and do a presentation defending the plan.

In lieu of one of 3110 or 3120, a student may take FIN 4100 for three hours (with the permission of the department chair) or a three hour 3000- or 4000-level honors course in Accounting, Economics, Management, or Marketing. A substitution may be made for a course in one of the senior-level sequences only if the student is enrolled off-campus during one of the student's final two semesters.

### ***International Business***

Departmental Honors in International Business requires the following sequence of courses totaling 12 credit hours:

BUS	2910	Honors Seminar in International Business 1(1)
	3910	International Business Honors Thesis Research 1(1)
	3920	International Business Honors Thesis Proposal 1(1)
	4910	International Business Honors Thesis I 3(3)
	4920	International Business Honors Thesis II 3(3)

The additional three semester hours may be taken in any 3000- or 4000-level business course (see following list).

ACCT	3030	Cost Accounting (3)
	3110	Intermediate Financial Accounting I (3)
	3120	Intermediate Financial Accounting II (3)
	3130	Intermediate Financial Accounting III (3)
	4040	Individual Taxation (3)

ECON	3140	Intermediate Microeconomics (3)
	3150	Intermediate Macroeconomics (3)
	3500	Moral and Ethical Economics (3)
	4260	Seminar in Sports Economics (3)
	4980	Selected Topics in Economics (3)
FIN	3110	Financial Management I (3)
	3120	Financial Management II (3)
	4020	Advanced Corporate Finance (3)
	4040	Financial Modeling (3)
	4050	Portfolio Management and Theory (3)
	4060	Analysis and Use of Derivatives (3)
	4100	Research in Finance (1-3)
MGT	3070	Human Resource Management (3)
	3100	Intermediate Business Statistics (3)
	3120	Decision Models for Management (3)
	4020	Operations Planning and Control (3)
	4150	Business Strategy (3)

The International Business Departmental Honors is composed of three one-credit hour courses that are designed to prepare the student for a two-semester senior thesis (BUS 4910 and 4920) to be written during the senior year. In addition, the student will be required to complete a foreign language through the 305-level and spend one year at an approved international partner school taking BUS 3910 and 3920. Prior to their study abroad students are required to take BUS 2910. They will also be expected to complete at least one of their normal business courses with an honors designation.

This program is designed to provide a research experience to honors students majoring in business-related disciplines, while encouraging them to participate in a meaningful international experience. The research will be conducted under the supervision of at least one Clemson faculty member, and may include the active participation of a faculty member from an international partner school. The balance of the topic development will take place while the student is participating in a required academic year study abroad program at an approved university. The primary language of instruction at this partner school will be in the same foreign language that the student takes at Clemson.

Students may join as early as their first year, but may wait until the second semester of the sophomore year to declare an intention to participate in the program. They must meet all existing requirements for membership in the Calhoun Honors College and be accepted by the International Business Honors Committee which consists of six faculty members, one each elected from Accounting, Economics, Finance, Management, Marketing and Languages. The committee will be chaired by the Associate Dean for Undergraduate Programs of the College of Business and Behavioral Science.

#### **Graphic Communications**

Departmental Honors in Graphic Communications requires at least four of the following courses totaling at least 12 credit hours.

G C	4060	Package and Specialty Printing (4)
	4400	Commercial Printing (4)
	4440	Current Developments & Trends in Graphic Communications (4)
	4480	Planning and Controlling Printing Functions (3)
	4510	Special Projects in Graphic Communications (1-6)

#### ***Management***

Departmental Honors in Management requires four of the following courses totaling 12 credit hours:

MGT	3070	Human Resource Management (3)
	3100	Intermediate Business Statistics (3)
	3120	Decision Models for Management (3)
	4020	Operations Planning and Control (3)
	4150	Business Strategy (3)

#### ***Marketing***

Departmental Honors in Marketing requires the following sequence of courses (of which 3 hours may count toward the 15 hours of support courses in Marketing) totaling 7 credit hours:

MKT	3900	Junior Honors Research (1) in conjunction with any three-credit Marketing courses other than Marketing 3010, MKT 3010 and MKT 4310.
	4900	Senior Honors Thesis Research (3)
	4910	Senior Honors Thesis Writing and Presentation (3)

Beginning no later than the first semester of the junior year, students who wish to complete Departmental Honors in marketing will consult with the department's honors advisor to plan their program.

In the second semester of their junior year students may enroll in MKT 3900, a one-credit course. During this semester the student will select and complete a research project in conjunction with an approved 3-credit Marketing course.

In the first semester of the senior-year, students will enroll in MKT 4900 Senior Honors Thesis Research (3). Students will choose a suitable topic for their senior honors thesis. Students will be required to produce a research proposal which involves an imaginative approach to the subject, a sufficient literature review, a comprehensive introduction to the research topic and a detailed research plan. Evaluation will be summa cum laude, magna cum laude, cum laude, or no distinction. The course grade for MKT 4900 will be an 'A' for work that is awarded an honors grade and 'B' or below for work that is awarded a grade of no distinction.

The second semester of the senior-year, students will enroll in MKT 4910 Senior Honors Thesis Writing (3). Students will implement their research plan, write up their report and present and defend their Senior Honors Thesis in front of an audience made up of Marketing faculty, Honors students and others. Students will be evaluated on their written and oral presentation of their research findings. Evaluation will be summa cum laude, magna cum laude, cum laude, or no distinction. The course grade for MKT 4910 will be an 'A' for work that is awarded an honors grade and 'B' or below for work that is awarded a grade of no distinction.

The final thesis, which should be written using a style guide used by Marketing journals, will be bound and retained in the departmental library. One copy will be provided to the Honors Office.

## College of Education

### ***Teaching and Learning***

Teaching & Learning Departmental Honors requires the following sequence of courses totaling 7 credit hours:

- ED 3990 Teaching & Learning Departmental Honors Research Seminar (1 cr.)  
ED 4990 Departmental Honors Project & Dissemination (6 cr.; 1-3 variable over 2-4 semesters)

To earn Departmental Honors in Teaching & Learning you must: 1) be an undergraduate education major within the Department of Teaching & Learning; 2) be an honors student with a cumulative GPR of 3.40 or better in your education courses; and 3) complete an honors project (completed through the required course sequence). The honors project is most often a thesis, but the research can be disseminated in multiple ways (performance, professional development session, original curriculum, classroom improvement plan). The project is completed over the course of 3-5 consecutive semesters (2nd semester sophomore year). In ED 3990 Departmental Honors Research Seminar, you explore the research process, focusing on research in education. You will also learn about faculty research interests. By first semester of your junior year, you will have chosen a faculty advisor for your project. Beginning in the first semester of your junior year and culminating in your senior year, you will develop your project and conduct your research. It is recommended that students complete the project or the majority of it prior to student teaching. Upon completion of your research, you will present your research project in an appropriate scholarly setting (e.g. research presentation, poster presentation, guest teaching, workshop, performance). It is encouraged that you share a digital copy of your project with the Honors College.

### ***Special Education***

Departmental Honors in Special Education requires the following sequence of courses totaling 9 credit hours:

- EDSP 3700 (HON) Introduction to Special Education (3)  
EDSP 4990 (HON) Education Honors Capstone for a total of six credit hours spread out over at least two semesters (across four semesters is recommended)

The goals of Departmental Honors in Special Education are to provide honors students with in-depth research experiences in an area of interest and to provide faculty the opportunity to involve honors students in faculty research.

ESP 4990 has the prerequisite of EDSP 3700. During EDSP 3700, the student will learn about the Clemson University special education faculty members and their research areas. In 3700, the student will write a research paper on a predetermined topic. Upon faculty review, the student will work with a designated faculty

member to develop a plan for completing Honors requirements through EDSP 4990. The plan must be approved by the faculty member prior to enrolling in EDSP 4990.

### **College of Engineering, Computing and Applied Science**

#### ***Bioengineering***

Departmental Honors in Bioengineering requires the following courses totaling 7 credit hours:

- |      |   |
|------|---|
| BIOE | 4150/6150 Research Principles and Concepts (1)  |
|      | 4910       Mentored Research in Bioengineering (1-4) for a total of six credit hours over a period of two semesters |

The Departmental Honors program in Bioengineering provides exceptional students training and practical experience in the conduct of experimental research under the supervision of a faculty advisor. BIOE 4150 provides academic training in research planning, ethical conduct, professional documentation, and dissemination in both oral and written formats. Students are strongly encouraged to co-enroll in BIOE 4150 (6150 if pursuing BS/MS degree) during their first semester of BIOE 4910.

In BIOE 4910, students will perform a review of relevant peer-reviewed literature, conduct a mentored research project, and present their findings in a poster or oral presentation (final semester) during the department's research day near the end of each semester. During their final semester of BIOE 4910, students must prepare a senior thesis including the background, methods, results, and conclusions of the research project that must be approved by the faculty advisor and the department Honors Committee. Six credits of BIOE H 4910 may be used to satisfy the BIOE Technical Requirements within the Bioengineering curriculum.

#### ***Biosystems Engineering***

Departmental Honors in Biosystems Engineering requires the following sequence of courses totaling 7 credit hours:

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|----|--|
| BE | 3000    Biosystems Engineering Honors Seminar (0)                            |
|    | 3010    Biosystems Engineering Thesis Research (3)                           |
|    | 4000    Biosystems Engineering Honors Thesis (3)                             |
|    | 4510    Newman Seminar & Lecture Series in Natural Resources Engineering (1) |

To be eligible for Departmental Honors in Biosystems Engineering you must have a minimum overall GPA of 3.5 and a written recommendation by two faculty members in the Biosystems Engineering (BE) program. One of the recommending faculty members must be willing to serve as the advisor for the thesis. The faculty advisor and student must provide a general topic area and statement of available and required resources to complete the thesis in the required time period.

In BE 3000, taken during the fall semester of the junior year, students are introduced to current faculty research. Project ideas are then developed to prepare students in choosing a research topic for the senior honors thesis. Students are required to attend senior honors thesis presentations. The research will begin

during the spring semester of the junior year with BE 3010. In the first semester of your senior year, you will enroll in BE 4000 and take BE 4510 during your final semester.

During the research/thesis process you will review the literature pertinent to the research topic, conduct a research program, develop a portfolio, and present a summary of the background analysis and results of the project in the form of a senior thesis which must be approved by your faculty advisor. You are also required to make a presentation of your research program in a public seminar and to submit one copy of your thesis to the Honors Office. The **final version** of the thesis must be submitted to the advisor by the last day of finals week of the fall semester of the senior year.

### ***Chemical Engineering***

Departmental Honors in Chemical Engineering requires the following sequence of courses totaling 8 credit hours:

CHE	3000	Honors Seminar (1)
	3950	Honors Research I (3)
	4950	Honors Research II (3)
	4970	Honors Thesis (1)

Students in the Chemical Engineering Departmental Honors program will conduct a major research project under the direction of a faculty member and write an honors thesis. In the first semester of the junior year honors students take CHE 3000. To earn this pass/fail credit honors students attend the department's CHE 8950 graduate seminar and meet individually with faculty members to learn about research opportunities in chemical engineering. By the end of the semester students select a research topic and faculty advisor. In the next two semesters honors students take CHE 3950 and CHE 4950. In these lab courses the students conduct research, write progress reports, and review their results periodically with their faculty advisor. In CHE 4950 each student presents a seminar before the faculty, graduate students and other honors students taking CHE 3000. In the last semester of the senior year the student registers for CHE 4970 and writes an honors thesis. With the approval of the faculty research advisor the exact timing of the honors sequence can be adjusted to accommodate students who are also involved in the cooperative education program.

### ***Civil Engineering (three options)***

**Option one:** Honors Thesis Option for students in the BS Degree Program in Civil Engineering requires the following sequence of courses totaling 7-8 credit hours:

CE	3880	Honors Research Topics (1)
	3890	Honors Research Skills (1)
	4880	Honors Research I (2-3)
	4890	Honors Research II (3)

Honors students in the Civil Engineering Departmental Honors program generally take CE 3880 and CE 3890 in the junior year. These courses are designed to prepare students for the senior-year thesis, which consists of CE 4880 and CE 4890. This sequence allows Civil Engineering honors students the opportunity to carry out a major research project under the direction of a selected faculty member. Students must complete an Honors

Research Thesis and an oral defense of the thesis attended by the student's faculty advisor, Civil Engineering Honors Coordinator and other interested faculty and students.

**Option two:** Research Option for students in the BS/MS Degree Program in Civil Engineering requires the following sequence of courses totaling 7-8 credit hours:

CE	3880	Honors Research Topics (1)
	3890	Honors Research Skills (1)
	4880	Honors Research I (2-3)
	4890	Honors Research II (3)

Students must complete a research proposal including any preliminary research needed to reasonably define the scope and methodology of the proposed research. The research project will have the scope of activity normally associated with an MS thesis.

The expect outcome includes a research proposal, including an introduction of the problem statement, literature review, research methodology and sufficient preliminary results to validate the intended study. The student will also be required to give a proposal presentation attended by the student's faculty advisor, Civil Engineering Honors Coordinator and other interested faculty and students.

**Option three (Portfolio Option):** Completion of four Honors Projects, typically one project completed each semester during a student's junior and senior years (enroll in courses listed below for a total of 4-6 credit hours). If necessary, a student can complete multiple projects in a single semester to complete four projects in less than four semesters.

CE	3870	Junior Honors Project (1-3) for a total of two-three credit hours over a period of two semesters
	4870	Senior Honors Project (1-3) for a total of two-three credit hours over a period of two semesters

The Honors portfolio, containing all completed honors projects, will be presented to the Civil Engineering Honors Program Coordinator and participating faculty for review and comment.

#### **Computer Science**

Departmental Honors in Computer Science requires the following sequence of courses totaling 7-8 credit hours:

CPSC	3950	Honors Seminar (1) (up to two semesters – one is required)
	4950	Senior Honors Research for a total of six credit hours over a period of two semesters (1-3)

The Departmental Honors program in Computer Science consists of a junior-year honors seminar and a senior-year honors thesis. In each semester of the junior year honors students must take CPSC H3950, a one-credit course designed to introduce students to the research interests of the faculty and to suggest possible

topics for the senior thesis. By the end of the second semester of CPSC H3950 the student is expected to have chosen a thesis topic and a research advisor.

After completing the junior honors seminar, the student will complete an honors thesis while enrolled in two semesters of CPSC H4950 for a total of six credits. Upon completion of the written thesis, the student is expected to make a presentation to an open seminar attended by Computer Science faculty and honors students.

### ***Electrical and Computer Engineering***

Departmental Honors in Electrical and Computer Engineering requires the following sequence of courses totaling 10 credit hours:

ECE            3000    Junior Honors Seminar (1)

At least 5 credits from the following ECE courses:

- 2010 Logic and Computing Devices (2 credits)
- 2020 Electric Circuits I (3 credits)
- 2620 Electric Circuits II (3 credits)
- 3170 Random Signal Analysis (3 credits)
- 3200 Electronics I (3 credits)
- 3300 Signals, Systems and Transforms (3 credits)

\*At least three of these credits must be from ECE 3170 or ECE 3300

Four additional credits:

4910 Undergraduate Honors Research for a total of four credit hours over a period of two semesters (1-6)

Or a combination of the following (4 credits):

- 2990 Creative Inquiry in Electrical and Computer Engineering (1-4) up to 1 credit
- 3990 Creative Inquiry in Electrical and Computer Engineering (1-4) up to 1 credit
- 4990 Creative Inquiry in Electrical and Computer Engineering (1-4) 2-4 credits

The Departmental Honors Program in Electrical and Computer Engineering provides qualified students the opportunity to pursue a comprehensive research project under the supervision of a faculty advisor.

In your junior year you will take ECE 3300 and ECE 3000 a seminar designed to introduce you to research activities within the department.

Students may select either of the following options associated with the honors thesis:

Option 1 – Honors Thesis: This option includes four credits of ECE 4910 taken in the senior year. You will be required to do a literature survey of your chosen topic and to develop a research plan that will evolve into a senior thesis. Research will be performed under the direction of a faculty advisor. The honors thesis must meet the standards of the faculty advisor and the Calhoun Honors College, and you will be required the Honors Office with a copy of your thesis.

Option 2 – Creative Inquiry with Honors Thesis: This option includes four credits of one or a combination of the following courses: ECE 2990 (up to 1 credit) ECE 3990 (up to 1 credit); and ECE 4990 (2-4 credits) The Creative Inquiry (CI) courses may be taken in the sophomore, junior or senior year. You will work with a faculty advisor individually or as a member of a research team. The CI program has been designed to promote your reasoning and critical thinking skills, ethical judgment, and communication skills as well as a deep understanding of the methods of scientific research. This option may get you involved in research activities earlier, and well lead to an honors thesis. The honors thesis must meet the standards of the faculty advisor and the Calhoun Honors College, and you will be required the Honors Office with a copy of your thesis.

Note: The credit hours associated with ECE 4990 and ECE 4910 can be used to satisfy up to 3 credits of the technical elective requirements of the Electrical Engineering curriculum or the Computer Engineering curriculum.

#### ***Environmental Engineering***

For the BS degree in Environmental Engineering, Departmental Honors in Environmental Engineering requires the following four-course sequence totaling 8 credit hours:

EES	3000	Honors Seminar: Introduction to Research in Environmental Engineering (1)
EES	3010	Honors Research in Environmental Engineering I (3)
EES	4000	Honors Research in Environmental Engineering II (3)
EES	4950	Honors Thesis in Environmental Engineering (1)

Students who are interested in earning Departmental Honors are encouraged to contact a faculty member in EES who is willing to supervise these courses. Arrangements should be made prior to the start of a student's junior level courses.

Students who are not members of the Honors College may apply to join, if their cumulative GPR is 3.5 or higher by the end of the semester that they apply. The purpose of Departmental Honors is to provide Calhoun Scholars a unique opportunity to do advanced, in-depth study and research within their major academic disciplines.

#### ***Geology***

Departmental Honors in Geology requires the following sequence of courses totaling 12 credit hours:

GEOL	4110	Research Problems for a total of six credit hours taken under a single research advisor over a period of two semesters (1-3)
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Two courses selected from the following:

GEOL	3000	Environmental Geology (3)
	3020	Structural Geology (4)
	3140	Sedimentary Petrology (3)
	3160	Igneous and Metamorphic Petrology (3)

- 3750 Bahamian Field Study (3)  
4080 Geohydrology (3)

### ***Industrial Engineering***

Departmental Honors in Industrial Engineering requires the following sequence of courses totaling 7 credit hours:

- I E            2680 Creative Inquiry Seminar in Industrial Engineering (1)  
              4000 Honors Thesis (1-6) for a total of six credit hours over a period of two or more semesters

The Departmental Honors Program in Industrial Engineering provides students with an opportunity to engage in research under the guidance of a faculty advisor. If the research ultimately proves fruitful, it is disseminated to the professional community via presentations, publications, or both. In addition, opportunities exist for students to participate in local and national research competitions.

A student receives academic credit for the research through a series of courses. The first in the series is IE 2680, a course in which honors students become familiar with current research in industrial engineering and begin groundwork for their own research; IE 268 is one credit hour. As the work progresses, students enroll in IE 4000. IE 4000 is a variable hour course that may be taken two or more times, in multiples of one hour, for a total of six credits. Since IE 4000 is a variable hour course, it affords students considerable flexibility.

Moreover, the research hours may be substituted for six credits of the Department's technical elective requirement. While enrolled in IE 4000, the research project is defined and developed, and ultimately culminates in the form of an honors thesis. Upon successful completion of the honors thesis, it must be submitted both to the Calhoun Honors College and the Department's Honors Coordinator. In addition, the Department requires an abstract and a profile, examples of which may be found on the Department's Honors Program Web site (theses of former honors students may be found there as well).

Finally, IE 600 is also an option for those students in the Combined Bachelor's/Master's Program in Industrial Engineering. In addition to the requirements for IE 4000, requirements for IE 6000 include first forming a thesis committee (consisting of your mentor, the Honors Coordinator and at least one other faculty member), and subsequently presenting both a preliminary proposal defense and final thesis defense to this committee. Thus the IE 6000 requirements more closely parallel those of a master's thesis.

### ***Materials Science and Engineering***

Departmental Honors in Materials Science and Engineering requires the following sequence of courses totaling 7 credit hours:

- MSE            3910\*\* Undergraduate Research Fundamentals (1) - Honors Section  
              4910 Undergraduate Research (2) - Honors Section  
              4950 Honors Research II (3)  
              4970 Honors Thesis (1)

During this research sequence, students will have the opportunity to conduct research over four semesters with a faculty research mentor. The research project will begin in MSE 3910, normally taken in the first semester of the junior year. Students will attend weekly meetings to gain basic skills needed to conduct research within the field of materials science and engineering, identify a faculty research mentor and outline their research objective/hypothesis. Students will also be asked to attend graduate research seminars. In most cases, the research faculty member will be from the Department of Materials Science and Engineering. If a student wishes to pursue a materials science research project with a faculty member outside of the department, it must be approved by the instructor of MSE 3910. Students will continue their research project by enrolling in MSE 4910 (Spring semester junior year) and MSE 4950 (Fall semester of the senior year). It is expected that students will gain more independence as they progress through these classes. During the Spring semester of the senior year, the honors student will write their honors thesis based on the research done in MSE 3910, MSE 4910 and MSE 4950 while enrolled within MSE 4970.

These changes are effective for students starting at Clemson in the Fall of 2019.

\*\* This class was previously numbered 4810.

#### **Mechanical Engineering**

Departmental Honors in Mechanical Engineering requires the following sequence of courses totaling 6 credit hours:

ME	3000	Junior Honors Seminar (0) taken both semesters of your junior year
	4150	Undergraduate Research (1-3) for a total of six credit hours over a period of two semesters

The Departmental Honors program in Mechanical Engineering provides outstanding students an opportunity to conduct in-depth research under the guidance of a faculty advisor. In your junior year you must participate in ME 3000 that introduces you to the spectrum of research activities in the department. By the end of your junior year you must have identified a specific research project, with the approval of your chosen faculty advisor.

During your senior year you must satisfactorily complete a senior research thesis while enrolled in two semesters of ME 4150. The six credits of ME 4150 are accepted for the technical electives required by the mechanical engineering curriculum. You will review the literature pertinent to the research topic, conduct a research program, and present a summary of the background analysis and results of the project in the form of a senior thesis which must be approved by your faculty advisor and the department Honors Committee. You are also required to make a presentation of your research program in a public seminar and to submit one copy of your thesis to the Honors Office.

#### **College of Science**

#### **Biochemistry**

Departmental Honors in Biochemistry requires the following sequence of courses totaling 12 credit hours:

#### **Research/thesis requirement**

BCHM	4910	Requires at least two semesters of honors research with 4 credits per semester (for a total of 8 credits) under the same faculty mentor. Only regular tenured or tenure-track faculty within the department may serve as mentor for departmental honors in biochemistry.
BCHM	4920	Honors Thesis in Biochemistry (1)

#### **Lecture course requirement**

Three (3) additional hours from the following list of BCHM Honors courses:

BCHM	3010	Molecular Biochemistry (3)
	4310	Physical Approach to Biochemistry (3)
	4320	Biochemistry of Metabolism (3)
	4360	Molecular Biology: Genes to Proteins (3)
	4400	Bioinformatics (3)

Requirements for Departmental Honors in Biochemistry include completion of a senior research thesis and an oral research presentation to the departmental faculty in a seminar setting. The research presentation and thesis are to be completed in the same semester either concurrent with or after the second semester of the required BCHM 4910 honors research. Students will register for BCHM 4920 in the semester they intend to write their thesis and present their research. The final thesis must be approved by the research advisor and the BCHM 4910 honors coordinator, then submitted to the department and the Calhoun Honors College in order for students to receive Departmental Honors.

To be eligible for Departmental Honors in Biochemistry you must achieve a grade of C or better in all required Biochemistry courses, a GPR of 3.30 or better in all required Biochemistry courses, and an overall GPR of 3.40 in all courses.

Up to eight credit hours of GEN/BCHM 4910 may be used towards the science requirement so that the total credits taken by honors students need not be more than those taken by non-honors students.

To earn dual Departmental Honors in Biochemistry and Genetics, students must complete the lecture course requirements for both Biochemistry and Genetics Departmental Honors, three semesters of honors research with four credits per semester (8 credits in biochemistry and four credits in genetics), and BCHM 4920.

#### ***Biological Sciences***

Departmental Honors in Biological Sciences requires the following sequence of courses totaling 12 credit hours:

BIOL	4910	Undergraduate Research in Biological Sciences (2-4) for a total of 6 credit hours Over two semesters under a single research advisor.
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-or-

BIOL 4940 Undergraduate Research Microbiology (2-4) for a total of 6 credit hours  
Over two semesters under a single research advisor.

The additional 4-8 hours are to be taken from the following courses:

BIOL	3020	Invertebrate Biology (3)
	3030	Vertebrate Biology (3)
	3040	Biology of Plants (3)
	4000	Insect Morphology (4)
	4010	Plant Physiology (3)
	4060	Introductory Plant Taxonomy (3)
	4080	Comparative Vertebrate Morphology (3)
	4090	Comparative Vertebrate Morphology Laboratory (2)
	4110	Limnological Analyses (2)
	4140	Basic Immunology (3)
	4200	Neurobiology (3)
	4320	Animal Histology (3)
	4330	Animal Histology Laboratory (2)
	4400	Developmental Animal Biology (3)
	4410	Ecology (3)
	4420	Biogeography (3)
	4450	Ecology Laboratory (2)
	4460	Plant Ecology (3)
	4470	Plant Ecology Laboratory (2)
	4500	Developmental Biology Laboratory (2)
	4560	Medical and Veterinary Parasitology (3)
	4570	Medical and Veterinary Parasitology Laboratory (2)
	4580	Cell Physiology (3)
	4590	Systems Physiology (3)
	4610	Cell Biology (3)
	4700	Behavior Ecology (3)
	4750	Comparative Physiology (3)
	4760	Comparative Physiology Laboratory (2)
	4840	Human and Comparative Vertebrate Embryology (3)
GEN	3020	Molecular and General Genetics (3)
	4100	Population and Quantitative Genetics (3)
	4200	Molecular Genetics and Gene Regulation (3)
	4400	Bioinformatics (3)
	4500	Comparative Genetics (3)

The honors courses taken will be selected with the approval of your advisor, the course instructors, and the chair of the department. Research results from BIOL 4910 will be written in a style appropriate for publication and presented in an open seminar to the Biological Sciences faculty.

### **Chemistry**

Departmental Honors in Chemistry requires four of the following courses totaling 12 credit hours:

CH	4430	Research Problems (3)
	4440	Research Problems (3)

The additional six semester hours must be taken from the following list.

CH	3320	Physical Chemistry (3)
	4010	Organometallic Chemistry (3)
	4020	Inorganic Chemistry (3)
	4040	Bioinorganic Chemistry (3)
	4130	Chemistry of Aqueous Systems (3)
	4210	Advanced Organic Chemistry (3)
	4270	Organic Spectroscopy (3)
	4350	Atomic and Molecular Structure (3)

Departmental Honors in Chemistry requires a two-semester sequence of research and a senior honors thesis while registered in CH 4430/4440. Both semesters should be performed on a continuation of the same research project with the same advisor, since research of the caliber required for an honors thesis cannot be completed in one semester. Therefore students should make sure that the project embarked upon is one of interest and that s/he can work well with the advisor chosen by the student. In addition the research advisor will choose an advisory committee of two other faculty members who will read the thesis and provide feedback. Students will write an interim paper at the end of CH 4430 and a full research paper at the end of CH 4440. The advisory committee will give an oral examination on the research project.

### **Genetics**

Departmental Honors in Genetics requires the following sequence of courses totaling 12 credit hours:

#### Research/thesis requirement

GEN	4910	Requires at least two semesters of honors research with 4 credits per semester (for a total of 8 credits) under the same faculty mentor. Only regular tenured or tenure-track faculty within the department may serve as mentor for departmental honors in genetics.
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GEN	4920	Honors Thesis in Genetics (1)
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#### Lecture course requirement

Three (3) additional hours from the following list of GEN Honors courses:

GEN	3020	Molecular and General Genetics (3)
	4100	Population and Quantitative Genetics (3)
	4200	Molecular Genetics and Gene Regulation (3)
	4400	Bioinformatics (3)

**4500 Comparative Genetics (3)**

Requirements for Departmental Honors in Genetics include completion of a senior research thesis and an oral research presentation to the departmental faculty in a seminar setting. The research presentation and thesis are to be completed in the same semester either concurrent with or after the second semester of the required GEN 4910 honors research. Students will register for GEN 4920 in the semester they intend to write their thesis and present their research. The final thesis must be approved by the research advisor and the GEN 4910 honors coordinator, then submitted to the department and the Calhoun Honors College in order for students to receive Departmental Honors.

To be eligible for Departmental Honors in Genetics you must achieve a grade of C or better in all required Genetics courses, a GPR of 3.30 or better in all required Genetics courses, and an Overall GPR of 3.40 in all courses.

Up to eight credit hours of GEN/BCHM 4910 may be used towards the science requirement so that the total credits taken by honors students need not be more than those taken by non-honors students.

To earn dual Departmental Honors in Genetics and Biochemistry, students must complete the lecture course requirements for both Genetics and Biochemistry Departmental Honors, three semesters of honors research with four credits per semester (8 credits in genetics and four credits in biochemistry), and GEN 4920.

***Mathematical Sciences***

Departmental Honors in Mathematical Sciences requires the following sequence of courses totaling 8 credit hours:

MTHS	3820	Honors Seminar (1) for a total of two credit hours over a period of two semesters
	4820	Undergraduate Research (3) for a total of six credit hours over a period of two semesters

Students beginning the Departmental Honors program in Mathematical Sciences must complete two credits of MTHS 3820, taken in both semesters of the junior year, and six credits of MTHS 4820 in the senior year.

MTHS 3820 is a weekly seminar that prepares students for their senior thesis. In this course, students undertake readings in the philosophy and foundations of mathematics and in research strategies. Students also attend the thesis presentations of senior honors students. By the end of the second semester of MTHS 3820 the student is expected to have identified a research topic and an advisor.

In MTHS 4820, taken in both semesters of the senior year, the student pursues the research topic under the guidance of the faculty advisor. By the end of the first semester the student submits a written interim report and makes an oral presentation on the research progress to date. By the end of the second semester the student submits a written thesis and presents an oral defense to honors students and faculty.

***Microbiology***

Departmental Honors in Microbiology requires the following sequence of courses totaling 12-13 credit hours:

MICR	4910	Undergraduate Research in Microbiology (3) for a total of 6 credit hours taken over two semesters under a single research advisor
MICR	4940	Undergraduate Research in Microbiology (2-4) for a total of 6 credit hours Over two semesters under a single research advisor.

-and- Two (2) honors courses selected from the following:

MICR	4000	Public Health Microbiology (3)
	4010	Microbial Diversity and Ecology (3)
	4070	Food and Dairy Microbiology (4)
	4100	Soil Microbiology (3)
	4110	Pathogenic Bacteriology (3)
	4120	Bacterial Physiology (3)
	4130	Industrial Microbiology (3)
	4140	Basic Immunology (3)
	4150	Microbial Genetics (3)
	4160	Introductory Virology (3)
	4170	Cancer and Aging (3)

To qualify for Departmental Honors you must earn a grade of A or B in MICR 3050 (General Microbiology).

The goal of MICR 4910, which is normally undertaken in the senior year, is to provide honors students with practical applications of the scientific method through the design and execution of an original research project. The results of the research project will be written as a manuscript suitable for publication, and will be presented in a seminar to Microbiology faculty and other honors students. Students are expected to choose and to arrange to work with a faculty research advisor prior to registering for the first semester of MICR 4910.

### ***Physics***

Departmental Honors in Physics requires the following sequence of courses totaling 11-13 credit hours:

PHYS	3000	Introduction to Research (1)
	4010	Senior Thesis (1-3) for a total of four to six credit hours over a period of two semesters

In addition, you must take at least six credits of 3000- 4000-level honors courses from the following list:

PHYS	3210	Mechanics I (3)
	3220	Mechanics II (3)
	3250	Experimental Physics I (3)
	3260	Experimental Physics II (3)
	3550	Modern Physics (3)
	4170	Introduction to Biophysics I (3)
	4320	Optics (3)
	4410	Electromagnetics I (3)

- 4420 Electromagnetics II (3)
- 4460 Solid State Physics II (3)
- 4520 Nuclear and Particle Physics (3)
- 4550 Quantum Physics I (3)
- 4560 Quantum Physics II (3)
- 4650 Thermodynamics and Statistical Mechanics (3)

The Departmental Honors program in the Department of Physics and Astronomy is open to honors students with junior standing that are judged capable of pursuing and completing a comprehensive research project under the supervision of a faculty advisor. To participate in the program you must be recommended by your advisor or honors director and approved by the department chair. You will then be required to satisfactorily complete the required honors courses, culminating in an approved thesis.

In your junior year you will take PHYS 3000, which is designed to introduce you to research activities within the department and to help you identify a research project and a faculty advisor to supervise your senior-year thesis work.

In your senior year you will take PHYS 4010. You will be required to do a literature survey of your chosen topic, conduct a research program, and present a summary of the background and results of the project in the forms of a senior thesis and a public seminar. The thesis must be approved by the department chair.