

Honors College

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The Honors College at the University of Alabama in Huntsville provides academically talented undergraduate students with an elite college experience at a large research university. It offers enriched coursework, research opportunities, and a community of like-minded students.

The Honors College serves students in all the colleges. While students are encouraged to join the Honors College at the beginning of their freshman year to gain full advantage of its benefits and enhanced curriculum, the College welcomes qualified transfer students. All interested students must apply through the Honors College website: uah.edu/honors. While there is no strict minimum GPA and ACT/SAT score, first-time Freshmen Honors Students have an average ACT over 28 and a high school GPA over 3.5. Current and transfer students must have a college GPA of 3.25 or higher and must complete the full application.

The Honors College grants either an Honors Diploma or an Honors Certificate, depending on the number of Honors Credits earned. The Diploma and the Certificate are in the student's chosen field or fields and appear on both the physical Diploma and the official transcript. The Honors Diploma or the Certificate add little extra coursework to the degree: both are mostly accomplished by taking Honors sections of courses students would already take. Please see the tabs above for more information about the requirements for the Diploma and the Certificate.

Whether students seek the Honors Diploma or the Certificate, they must complete an Honors Capstone Project or Thesis. This is independent work students typically do in their major field. It is done under close faculty supervision, and it can be either a traditional research thesis or a project, such as a computer application, an art installation, or a collection of stories. More information about the thesis can be found at uah.edu/honors.

Honors courses come in three kinds:

1. Self-standing Honors Sections, which replace courses students would already take. These are smaller, more intensive, but not more work. They are designated with an "H" ("Philosophy 101 H" vs. "Philosophy 101").
2. Honors contract courses: any course can be made an Honors Course if the instructor and the student agree on a way to enrich the course and obtain the Honors Dean's signature on the contract. The forms for this contract can be found on the Honors College website or in Honors College office.
3. Courses offered by the Honors College. These can be special, interdisciplinary seminars, such as "The Art of Writing Science" or "Poverty in the U.S.," or they can take the form of the Honors Internship or Honors Thesis course. See the tab above to see Honors offerings for this academic year.

Honors Diploma Requirements

The following summarizes the requirements for receiving the Honors Diploma. For college specific information, refer to the Honors Advisement webpage or the Honors Student Handbook at uah.edu/honors.

- **24 semester hours of Honors course credit**
- **Satisfactory completion of the Honors Capstone Project or Thesis**
- **An overall 3.25 GPA at graduation**
- **Required courses:**
 - EH 105: Honors English Seminar - 3 semester hours
 - 300/400 level Honors courses – 6 semester hours
 - HON 499 (3 semester hours in HON or your department)
- Honors courses may come in the following categories:
 - Honors sections of regular courses (ex: PHL 101)
 - Specially designed courses just for Honors (ex: EH 209/EH 210)
 - Honors lab sections including lecture credit (ex: PH 111/PH 114)
 - Honors Interdisciplinary Seminars
 - Honors Contracts
 - Honors Internships

For more information on Honors courses, see the Honors College Handbook (http://www.uah.edu/images/administrative/Honors/Information/honors_college_handbook_2015-2016.pdf).

Honors Certificate Requirements

Students who want to participate in the Honors College but who may not be able to complete the entire 24 honors credit hour requirement have the choice to pursue the Honors Certificate of Completion of Upper-Level Requirements. Please talk to the Honors Office first; you may still be able to complete the full Honors Diploma. Requirements for the Certificate are as follows:

- **12 semester hours of Honors courses**
- **Satisfactory completion of the Honors Capstone Project or Thesis**
- **An overall 3.25 GPA at graduation**
- **Additional requirements involve:**
 - 3 hours from any 300 or 400 level course (or Honors contract)

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Honors Courses

HON 101 - INTRO TO HONORS RESEARCH

Semester Hour: 1

Introduction to research methods and information literacy for new Honors Students. Helps students transition to research and coursework commensurate with Honors College standards.

HON 301 - HONORS SPECIAL SEMINAR

Semester Hour: 1

Intensive, discussion-based, interdisciplinary exploration of contemporary topics in the sciences, social sciences, humanities, and engineering. Topics will be decided by instructors and will vary by term. May be team taught. Open only to Honors Students.

HON 399 - HONORS INTERDISCIPLINARY SEM

Semester Hours: 3

Interdisciplinary study of a selected topic. The seminar will facilitate serious appraisal of an issue that crosses disciplinary boundaries and that can be explored using different scholarly methodologies. Prerequisites: Admission to the Honors College.

HON 400 - HONORS INTERNSHIP

Semester Hours: 1-6

Active involvement in a business enterprise, professional organization, or government agency that has particular interest and relevance to the student's course of study. The outside entity must identify a mentor who will keep regular contact with the student. Requires the student to maintain a log of activities and produce a semester-end report. Course grade will be given on a satisfactory (S)/unsatisfactory (U) basis. Approval of the Honors College Dean. Prerequisites: Admission to the Honors College.

HON 499 - HONORS THESIS

Semester Hours: 1-3

Individual research under direction of a faculty advisor. May be taken for up to 6 semester hours of credit. Prerequisites: Admission to the Honors College.

Honors Sections offered in the following courses:

ARS 160 - DRAWING: FOUNDATIONS

Semester Hours: 3

Introduction to principles, materials, and techniques of drawing. Observational drawing and exercises teach students visual skills and introduce aesthetics and artistic expression. Class covers visual and manual skills, problem solving, critical thinking, and the tools and materials artists use.

BYS 119L - LABORATORY

Semester Hours: 0

Laboratory exercised to introduce students to accurate measurement techniques, observation, and the development of relevant hypotheses. Several formal lab reports are required as an introduction to scientific writing.

BYS 120L - ORGANISMAL BIOLOGY LAB

Semester Hours: 0

Introduction to the basic concepts of natural selection, population biology, and the biodiversity of animals and plants. Several formal lab reports are required as a further introduction to scientific writing, along with a lab practical on the biodiversity of animals and plants.

BYS 499 - UNGRAD HONORS RES & THESIS

Semester Hours: 2-4

Individual investigations into biological problems under direct supervision of instructor. For honors students majoring in the biological sciences.

Prerequisites: Approval of instructor, chair, and director of honors program; Senior Standing.

CM 113 - Intro to Rhetorical Communication

Semester Hours: 3

Develops public speaking skills through an examination of rhetorical theory, training, and practice. Includes informative, persuasive, and other forms of speeches to prepare students for oral presentations in college and post-college ("real world") settings.

ECN 142 - PRINC OF MACROECONOMICS

Semester Hours: 3

How does our economy function? Why do we have periods of unemployment and inflation and what can we do about it? Economics is a way of thinking about the world, how to identify and focus on fundamental issues so we can understand our economy and how monetary and fiscal policy affects our lives. Prerequisite: any 100 level or 200 level MA course.

ECN 143 - PRINC OF MICROECONOMICS

Semester Hours: 3

How do markets coordinate our unlimited wants with our limited capacity to produce? We study producer and consumer choice in a variety of market structures, the social welfare implications inherent in market systems and policies designed to correct those market failures. Prerequisite: Any 100 level or 200 level MA course.

EE 213 - ELECTRICAL CIRCUIT ANALYSIS I

Semester Hours: 3

Basic concepts of DC and AC circuit theory and analysis. Includes both DC and AC power. Prerequisites: MA 201 and PH 112 w/concurrency.

EH 105 - HONORS ENGLISH SEMINAR

Semester Hours: 3

Interpretive and comparative readings in texts of enduring intellectual, esthetic, and ethical importance; critical and analytic writing and research projects. Grading Scale: A, B, C, D, F. Minimum grade of C- required to advance to 200-level English classes. Prerequisites: Formal admission to the University Honors Program.

EH 209 - HONORS SEM READINGS LIT/CUL I

Semester Hours: 3

Critical analysis of texts from ancient times through the Age of Discovery. The course offers an in-depth examination of important works and their cultural contexts in a seminar format. Prerequisite: EH 101/101S and EH 102 OR EH 105.

EH 210 - HONORS SEM READINGS LIT/CUL 2

Semester Hours: 3

Critical analysis of texts from the Age of Discovery through the present. The course offers an in-depth examination of important works and their cultural contexts in a seminar format. Prerequisite: EH 101/101S and EH 102 OR EH 105.

EH 301 - TECHNICAL WRITING

Semester Hours: 3

Practical writing, especially technical or scientific reports and proposals, with emphasis on organization, research, and presentation. Qualifies as elective in English major. Does not count toward English minor except Cognate Studies in Technical Writing. Junior Standing. Prerequisite: EH 102 or EH 105.

ESS 103L - LABORATORY

Semester Hours: 0

FYE 101 - CHARGER SUCCESS

Semester Hour: 1

The purpose of Charger Success 101 is to help new students make a successful transition to the University of Alabama in Huntsville, both inside and outside the classroom. This course aims to foster a sense of belonging, promote engagement in the academic life of the university, and articulate to students the expectations of the University. In addition, the course will assist students to develop and apply critical thinking skills, as well as to help students to clarify their academic goals and eventual career direction. This course is mandatory for all freshman students.

HY 103 - WORLD HISTORY TO 1500

Semester Hours: 3

Explore the historical development of peoples and cultures from their beginnings to 1500. Trace cross-cultural interactions among societies, states, and economies of Asia, Europe, Africa, the Americas and Oceania.

HY 104 - WORLD HISTORY SINCE 1500

Semester Hours: 3

Explore global interdependence from the period of transoceanic exploration to the present. Trace cross-cultural interactions among societies, states, and economies of Asia, Europe, Africa, the Americas, and Oceania.

MA 171 - CALCULUS A

Semester Hours: 4

Limits, derivatives, applications of the derivative, definite and indefinite integrals, exponential and logarithmic functions, and inverse functions.

Prerequisites: MA 113 or MA 115 with a grade of C or better, or Level 3 placement.

MA 172 - CALCULUS B

Semester Hours: 4

Techniques of integration, applications of the integral, polar coordinates, sequences, series, and conic sections. Prerequisites: MA 171 with a grade of C or better.

MA 201 - CALCULUS C

Semester Hours: 4

Vectors, vector-valued functions, partial derivatives, multiple integrals, vector fields, line and surface integrals. Prerequisites: MA 172 with a grade of C or better.

MAE 271 - STATICS

Semester Hours: 3

Topics include: forces, resultant forces, moments, couples equivalent force systems, equilibrium, distributed loads, two force members, trusses, centroids, moments of inertia, shear and bending moment diagrams, static and kinematic friction. (Same as CE 271) Prerequisites: PH 111, MA 201 and ENG 101, Topics include: forces, resultant forces, moments, couples equivalent force systems, equilibrium, distributed loads, two force members, trusses, centroids, moments of inertia, shear and bending moment diagrams, static and kinematic friction. (Same as CE 271) Prerequisites: PH 111 and MA 201.

MAE 395 - SEL TOPICS:MECH & AEROSPACE EG

Semester Hours: 1-3

Special topics in Mechanical or Aerospace Engineering.

MU 100 - INTRO TO MUSIC LITERATURE

Semester Hours: 3

Basic music appreciation. Exploration of ideas and issues in various types of western music through reading, listening, and discussion. Offered every semester.

NUR 307 - INQRY TO EVIDNC BASED NURS PRC

Semester Hours: 3

This course identifies various modes of inquiry and critical analysis used in the development of nursing science. Explore evidence based models to examine the evidence from a variety of research designs used to formulate nursing decisions. Emphasis is on identifying and synthesizing the best evidence to solve complex health problems in order to deliver safe, competent nursing care to diverse populations. Prerequisites: NUR 310 and NUR 312 and NUR 321.

NUR 415 - HONORS DIRECTED RESEARCH

Semester Hours: 2

This course allows for implementation of the student's research proposal as developed in the Honors section of NUR 307. The focus is on data collection and preliminary data analysis. The seminar format will provide students access to expert researchers.

PHL 101 - INTRODUCTION TO PHILOSOPHY

Semester Hours: 3

Introduction to philosophical reflection focusing upon central problems in the major branches of the western tradition: metaphysics, epistemology and value theory.

PHL 102 - INTRO TO ETHICS

Semester Hours: 3

Major ethical positions in both classical and modern thought. The course may include a consideration of case studies drawn from practical contexts in engineering, medicine and other areas.

PH 111 - GEN PHYSICS W/CALCULUS I

Semester Hours: 3

For science and engineering students. Basic laws of physics and their application to specific problems: vectors, Newtonian mechanics, energy, conservation laws, simple harmonic motion, statics, fluids. Offered all terms. Prerequisite: MA 171 Corequisite: PH 114.

PH 114 - GENERAL PHYSICS LAB I

Semester Hour: 1

Laboratory instruction in support of material covered in PH 111. Offered all terms. Corequisite: PH 111.

PH 112 - GEN PHYSICS W/CALC II

Semester Hours: 3-4

Continuation of PH 111. Heat and thermodynamics, basic electricity, electric and magnetic fields. Offered all terms. Prerequisite: MA 172, PH 111, PH 114. Corequisite: PH 115.

PH 115 - GENERAL PHYSICS LAB II

Semester Hour: 1

Laboratory instruction in support of material covered in PH 112. Offered all terms. Corequisite: PH 112.

SOC 100 - INTRO TO SOCIOLOGY

Semester Hours: 3

An introduction to the critical and scientific study of society, culture, social institutions and social change. Illuminates the social and cultural context of our lives and is useful for exploring contemporary social issues, problems and change in society.