Welcome to the Dean's Scholars Honors Program. We hope that your experience in the program is as rewarding as it has been for the hundreds of Dean's Scholars who have been participating since 1983.

This handbook has been prepared as an introduction to the program. You will learn about important people, activities, policies, dates...in fact, much more than you can remember so keep it close and add to it with your own notes.

Please take the time to learn about us. If you are similar to your predecessor Dean's Scholars, you may find that this program is the most important facet of your university experience. The Scholars you meet may very likely be your friends for life – you may even meet a future spouse in the program. Through our network of contacts, you will also meet faculty and research supervisors who will be important mentors for you during your careers here at this university and beyond.

Lastly, please notice the wide range of activities the program has to offer: mentoring, sports, social events, lectures, etc...Without question performing well in your classes is of paramount importance. However, there is so much more to a university education than what happens in classes. You may look back later and say this was the most enriching period of your life—make up your mind now to get as much as you can from it.

David M. Hillis
Dean's Scholars Program Director and
Alfred W. Roark Centennial Professor in
Natural Sciences
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Dr. Hillis is the Alfred W. Roark Centennial Professor in Natural Sciences, and also serves as Director of the Center for Computational Biology and Bioinformatics. He is a member of the National Academy of Sciences and the American Academy of Arts and Sciences. His research focuses on molecular evolution and the evolution of the diversity of life.

Jeff Barrick | Department of Chemistry and Biochemistry | jbarrick@cm.utexas.edu
Dr. Barrick uses experiments with microorganisms, nucleic acids, and digital organisms to study evolution in action with the ultimate goal of understanding and harnessing evolution as a creative force.

Mirela Çiperiani | Department of Mathematics | mirela@math.utexas.edu
Dr. Çiperiani’s mathematical interests lie in algebraic number theory and arithmetic algebraic geometry.

Alan Cline | Department of Computer Science | cline@cs.utexas.edu
Dr. Cline’s research interests include numerical analysis, scientific computing, and mathematical software.

Arturo De Lozanne | Department of Molecular Biosciences | a.delozanne@utexas.edu
Dr. De Lozanne’s research interests include the study of membrane traffic and its role in different aspects of cell biology, directed towards understanding the molecular basis of human disease.

Christine Hawkes | Department of Integrative Biology | chawkes@austin.utexas.edu
Dr. Hawkes’ lab focuses on a mechanistic understanding of how plant-microbe interactions affect community and ecosystem processes, and how these relationships are influenced by alterations in climate, land-use, and species invasions.

Nancy Hazen-Swann | Department of Human Development and Family Sciences | nancyhazen@mail.utexas.edu
Dr. Hazen-Swann primarily examines how parenting and family relationships affect the development of young children’s emotional and social competence. This longitudinal research focuses especially on the role of fathers in the family system.
Arlen Johnson | Department of Molecular Biosciences  
arlen@austin.utexas.edu
Dr. Johnson’s lab works on biogenesis and transport of ribosomes. The two major questions of interest are: 1) How are ribosomes exported out of the nucleus? and 2) After they are exported, how are they activated for translation?

Calvin Lin | Department of Computer Sciences  
lin@cs.utexas.edu
Dr. Lin’s research interests include compilers, with a current focus on security, languages, and parallel computing. He is also interested in microarchitecture.

Nancy Moran | Department of Integrative Biology  
nancy.moran@austin.utexas.edu
Dr. Moran’s long-term interests are in the evolution of biological complexity, such as that apparent in complex life histories, in intimate interactions among species, and in species-diversity of clades and communities. Her focus is on symbiosis, particularly that between multicellular hosts and microbes.

Timothy Perutz | Department of Mathematics  
perutz@math.utexas.edu
Dr. Perutz’s research interests are low-dimensional topology (especially 4-manifolds) and symplectic geometry. In brief: 4 is considered a low number of dimensions, but 5 is not. Symplectic is an adjective describing something fishy.

George Pollak | Department of Neuroscience  
gpollak@austin.utexas.edu
Dr. Pollak’s principal interests are in elucidating how circuits in the mammalian brain transform information in sensory systems and how populations of neurons then represent features of the external world.

James Scott | Department of Information, Risk, and Operations Management, Red McCombs School of Business  
james.scott@mccombs.utexas.edu
Dr. Scott’s research interests include statistical model selection, time series analysis, graphical models, and other topics in Bayesian statistics.

Greg Sitz | Department of Physics  
gositz@physics.utexas.edu
Dr. Sitz’s research involves experimental studies of the dynamics of gas-surface interactions.

John Stanton | Department of Chemistry  
jfstanton@mail.utexas.edu
Dr. Stanton’s research interests are in the area of theoretical chemistry. His focus is twofold: to develop new theoretical methods and implement them in computationally efficient computer programs, and to apply these and other methods to the solution of interesting chemical and spectroscopic problems.

Don Winget | Department of Astronomy  
dew@astro.as.utexas.edu
Dr. Winget’s diverse research interests include cosmochronology, the evolution of the Milky Way, the late stages of stellar evolution, stellar pulsations, white dwarf stars as dark matter detectors, and the Whole Earth Telescope.
The College of Natural Sciences (CNS) Honors Center was created in 2013 to support the educational aspirations of some of the country’s most promising science students at one of the world’s leading research universities. The Center’s mission is to expand the College’s capacity to recruit extraordinary students—and foster extraordinary student achievements—through a diverse portfolio of world-class honors programs. Dean’s Scholars (DS), Health Science Scholars (HSS), and Polymathic Scholars (PS) have been designed to appeal to students with different aptitudes and goals. Each, however, gives talented and motivated students unprecedented access to rigorous courses, authentic research opportunities, noted faculty, innovative degree plans, dedicated advising, and community-building event programming. The programs are designed to increase individual student attention and promote exploration of academic, cultural, and social interests through small intellectual communities of scholars. Collectively DS, HSS, and PS serve about 500 students.

Melissa Goessling | Director
mellissa.goessling@austin.utexas.edu
Melissa oversees the CNS Honors Center in its day-to-day operations including honors student programming and curriculum, honors program admissions and recruitment, faculty involvement and mentorship, and alumni support. Melissa holds a B.A. in Latin American Studies, a M.Ed. in Higher Education Administration and is completing a Ph.D. in Higher Education Leadership.

Amy Beebe | Administrative and Event Support
mellissa.goessling@austin.utexas.edu
The newest member of the CNS Honors Center, Amy assists with administration and event planning for each of the three college-wide honors programs, and supervises a team of four student workers. She holds a B.A. in Psychology from the University of Texas at Tyler.

Adrianne Chacon-Posey | Scholarship Coordinator
achacon@austin.utexas.edu
Adrianne is the Scholarship Coordinator for the College of Natural Sciences. She serves all prospective and current undergraduate CNS students in their search for both college and campus wide scholarships, as well as nationally competitive awards. Adrianne is a proud Texas Ex, having received her BS in Applied Learning and Development from UT.

Mark Hemenway | Academic Advisor
markhemy@austin.utexas.edu
Mark is the academic advisor in the CNS Honors Center for students in Dean’s Scholars and Health Science Scholars. He enjoys having the opportunity to work with honors students from Orientation through graduation and is a good place to start with any questions related to UT. Mark is a recent recipient of the James W. Vick Award for academic advising.

Madison Searle | Supplemental instruction, Program Coordination, Academic Advising
madisonsearle@austin.utexas.edu
Madison guides Polymathic Scholars (PS) through the process of designing and proposing a field of study, assists with thesis evaluation for Health Science Scholars and PS, advises PS, and assists with recruitment and administration for DS, HSS, and PS. He holds an M.A. in English from the University of Virginia.

Rebecca Wilcox | Thesis instruction, Academic Advising
rebecca.wilcox@austin.utexas.edu
Rebecca teaches the Capstone course and the preparatory thesis workshops for Polymathic Scholars (PS) and Health Science Scholars. She also advises PS and assists with recruitment and administration for DS, HSS, and PS. Previously, she coordinated UT-Austin’s Office of Undergraduate Research and taught at West Texas A&M University. She holds a Ph.D. in English from UT-Austin.
WHAT IS THE DEAN’S SCHOLARS HONORS PROGRAM?

WHO WE ARE
The Dean's Scholars Honors Program offers exceptional science and mathematics majors a unique opportunity to enrich their undergraduate education in the College of Natural Sciences at the University of Texas at Austin. Since 1983, the program has challenged talented and highly motivated undergraduates by introducing them to cutting-edge research and placing them in contact with exceptional students with similar aptitudes and interests. The Dean's Scholars program endeavors to make your experience at the University of Texas everything college should be by creating the experience of a small school along with all of the resources and advantages of a large research university. The Dean's Scholars program provides an exceptional educational experience to a diverse group of high-achieving students who benefit academically, socially, and intellectually from inquiry-based courses and activities and graduate with honors Bachelors of Science degrees in any major offered by the College of Natural Sciences.

PHILOSOPHY
The Dean's Scholars program is founded on the principle that the challenge of education is to understand nature and humanity’s part in it. As such, the investigation of nature must be the common quest for students and faculty alike. Science is one of the most important intellectual achievements of human history: it is also a central determiner of human development. The Dean’s Scholars program desires students interested in individual discovery and in acquiring a broad view of how science fits into the community - the broad view necessary for assuming important scientific careers and, eventually, leadership positions in the scientific community.
WHAT DOES THE DEAN’S SCHOLARS PROGRAM ENTAIL?

As a Dean’s Scholar you have the opportunity to explore a rich curriculum of study across the science disciplines, be part of a community of scholars, participate in social activities and field trips, pursue leadership and service opportunities, receive faculty mentorship and individualized advising, have flexible degree plans and accelerated entry into advanced classes.

Curriculum | The Dean’s Scholars program is dedicated to providing research opportunities to Dean’s Scholars, while offering honors degrees based on a superior education in special classes with our best faculty. Dean’s Scholars have the opportunity to take part in science and mathematics courses developed by top faculty from across the College of Natural Sciences.

Core Coursework | In the first year at UT, all Dean’s Scholars take Originality in the Arts and Sciences, the honors course or courses in their major, and an appropriate mathematics course. Throughout their Dean’s Scholars career, students participate in small sections of courses in mathematics, physics, biology, chemistry, research, and scientific computing. Each Dean’s Scholar takes these courses while pursuing an option in any major offered in the College of Natural Sciences. During their senior year, students produce a research-based thesis under the direction of a faculty committee.

Flexibility | Our innovative, interdisciplinary curriculum also features a larger number of elective hours than standard degree plans. This flexibility allows students to pursue their own interests under the guidance of faculty and the Program Director. Dean’s Scholars also take a one-hour weekly seminar with...

Placement Credit | In general, placement credit is not accepted in lieu of science courses. The Dean’s Scholars honors courses offer instruction that challenges our very best students while providing an in-depth background in each discipline. These courses are integral to the experience of an honors education and placement tests cannot be substituted. Faculty advisors will place students in appropriate math and physics courses. Some students may use AP tests to receive credit for lower-division mathematics and physics courses if they are to be placed in higher level math or physics. The Dean’s Scholars program does accept placement credit in other areas such as history, government, Rhetoric and Writing (RHE 306 only), English (E 316K only), the social sciences, fine arts, etc. These are the only exceptions to the placement-credit rule.

Degree Plans | The Dean’s Scholars program currently offers 12 honors degree plans for students within the program (see degree plans section beginning on page 36).

- BS Astronomy
- BS Biochemistry
- BS Biology
- BS Chemistry
- BS Computer Sciences
- BS Environmental Science
- BS Human Development and Family Sciences
- BS Mathematics
- BS Neuroscience
- BS Nutrition
- BS Physics
- BS Public Health
WHO IS SELECTED AND WHAT ARE THE ADVANTAGES?

SELECTION
The Dean's Scholars program is highly selective, admitting about forty-five freshmen each year, as well as a small number of upper-class students. Dean's Scholars seek the intellectual challenge and stimulation of an interdisciplinary program emphasizing scientific research. Although Dean's Scholars typically achieve high SAT scores and class ranking, admission is not based solely on these criteria. Application readers look for evidence of a student’s interest in science, research, and individual discovery. As Dean's Scholars, students are oriented toward research and encouraged through their work to perceive the world as presenting questions that can be answered through experimentation.

ACADEMICS
Participation in the Dean's Scholars program, which continues throughout an undergraduate's career at the University of Texas, offers a number of important advantages. Specifically, students work directly with faculty involved at the forefront of scientific research. Students are trained in research methods and develop their own research projects under the direction of distinguished faculty members. Students may pursue any of the 12 majors offered by departments within the College of Natural Sciences. Dean's Scholars take many smaller courses that are developed specifically for honors students and are taught by professors chosen from the university's most outstanding faculty: nationally renowned researchers, National Science medalists, and members of the National Academy of Sciences. The interdisciplinary curriculum features more flexibility in course selection than standard degree plans, so that Dean's Scholars may reach their full potential by pursuing their own interests under the guidance of faculty advisors. The Dean's Scholars honors courses offer instruction that challenges our very best students while providing an in-depth background in each discipline.

COMMUNITY
The Dean's Scholars Honors program offers a welcoming community. Each Dean's Scholar has a faculty mentor, a staff academic advisor, and a student “buddy.” By working closely with both faculty and students, Dean's Scholars are introduced to many different areas of scientific research. Through peer interaction, Dean's Scholars gain an appreciation for the research of their fellow students and more fully recognize how their own individual research fits into the entire scientific enterprise. Additionally, Dean's Scholars are eligible to apply for honors housing, attend special dinners hosted by faculty, participate in weekly lunchtime research discussions, and take weekend field trips to places such as the McDonald Observatory in the Davis Mountains and the Marine Science Institute at Port Aransas. The Dean's Scholars Student Association Council organizes frequent social activities including movie nights, dances and intramural sports teams. Students may also pursue leadership and volunteer opportunities through the Council.

CAREER PREPARATION
Recent graduates of the Dean's Scholars program have entered Ph.D. programs in scientific disciplines at leading institutions around the world. Some have entered M.D./Ph.D. programs. Additionally, Dean's Scholars have won some of the most prestigious and competitive graduate fellowships, including Marshall Scholarships for study at Cambridge University, Rhodes Scholarships for study at Oxford University, National Science Foundation Fellowships, and Gates Foundation Scholarships.
Before registering for classes each semester, students are required to:

1. **SCHEDULE AN APPOINTMENT WITH THEIR ACADEMIC ADVISOR**

   At this advising session, students will get:
   
   A) A personal degree plan that shows what degree requirements have been completed and which ones you still need to be taken
   
   B) A DS Faculty Advising Form on which students will fill in the classes they plan to take in the coming semester

   **Mark Hemenway:**
   Academic Advisor
   Call 512-232-1048
   Email: markhemy@austin.utexas.edu
   Visit PAI 5.60

2. **MEET WITH THEIR DEAN’S SCHOLARS FACULTY ADVISOR**

   A faculty advisor will talk with them about classes in their major, research, plans for graduate/professional school, etc. and the faculty advisor will sign their Faculty Advising Form approving the courses they plan to take in the coming semesters. Students should bring both the Faculty Advising Form and their Degree Plan to the meeting.

   If students are currently working with a faculty member on their thesis research, faculty advisors can discuss these topics and sign the Faculty Advising Form. If students are not yet working with a faculty member on research, they should meet with the Faculty Advisor for their major, listed below:

   - **Astronomy**  Don Winget | dew@astro.as.utexas.edu
   - **Biology**  Arturo De Lozanne | a.delozanne@utexas.edu
     Arlen Johnson | arlen@austin.utexas.edu
   - **Biochemistry/Chemistry**  Jeff Barrick | jbarrick@cm.utexas.edu
     John Stanton | jfstanton@mail.utexas.edu
   - **Computer Sciences**  Calvin Lin | lin@cs.utexas.edu
   - **Environmental Science**  Christine Hawkes | chawkes@austin.utexas.edu
   - **Human Development**  Nancy Hazen-Swann | nancyhazen@mail.utexas.edu
   - **Math**  Mirela Çiperiani | mirela@math.utexas.edu
     Timothy Perutz | perutz@math.utexas.edu
   - **Neuroscience**  George Pollak | gpollak@austin.utexas.edu
   - **Nutrition**  Christopher Jolly | jolly@austin.utexas.edu
   - **Physics**  Greg Sitz | gositz@physics.utexas.edu
   - **Public Health**  Leanne Field | field@austin.utexas.edu

3. **TURN THEIR SIGNED FACULTY ADVISING SHEET BACK IN TO THE CNS HONORS CENTER (PAI 5.60)**
Why research? The world of academia is changing, and for the better—evolving technologies and accelerated curricula afford high school students opportunities for intellectual growth that stand in stark contrast to the traditional classroom setting. College learning environments are evolving at an even faster rate, and the idea that a college degree is earned simply by passing exams in 40 lecture courses is decreasingly a reality at elite colleges and universities. As a Dean’s Scholar, it is expected that you will realize your full potential, not just by earning high marks in your classes, but by exploiting the greatest resource the University of Texas at Austin has to offer, the research prowess of its faculty.

The University of Texas at Austin is, first and foremost, a research university, and in fact, it is an exceptional research university. In the College of Natural Sciences there is an exceptional collection of some 400 or so tenure-track faculty, and many hundreds of adjunct faculty, who achieved their standing in the scientific and academic community by demonstrating the ability to engage in independent, innovative scientific inquiry. Simply put, they are the people who discover new knowledge, and when you listen to a lecture or open a textbook, it is almost certain that what you are reading was discovered on a college campus.

It is a priority of the Dean’s Scholars program that as soon as possible, you will find yourself working side by side with a professor, and discovering new knowledge in a discipline of interest to you. Whether it is applying evolutionary game theory to epidemiology or exploring the evolution of galaxies, there is certain to be a research experience that is right for you, and the Dean’s Scholars program is committed to helping you find this opportunity.

In order to make the transition into the research arena in the College of Natural Sciences as effortless and successful as possible, an array of special courses and programs have been developed to assist Dean’s Scholars. Each of these is described below.

The Texas Institute for Discovery Education in Science (TIDES), which is directed by Dr. Erin Dolan, is designed to promote innovative science education across the College. TIDES is home to the Freshman Research Initiative (FRI) and also supports undergraduate research internships and student organizations like SURGe, which is the group that encourages student participation in research. In a nutshell, if you want to learn more about FRI, research opportunities, or other innovative science education programs in the College, send an e-mail to Dr. Dolan at edolan@austin.utexas.edu or wander into the TIDES offices in PAI 3.04, and there will be someone there to help you.

Research Methods Course. The first required course in Dean’s Scholars is a research methods course titled Originality in the Arts and Sciences taught to the incoming freshman cohort. The course introduces students to the traditions established in the arts and sciences for generating new knowledge from original ideas. Modeling how faculty conduct research, students are required to create original research reports that utilize skills introduced in lecture and developed using the resources of the university. From the first day of class when students are given the assignment to “go out and do something interesting and come back and tell us about it,” the process of reshaping the way one thinks as an independent creative thinker begins. And whether students struggle with this first assignment because they have never done anything on their own before, or whether this is exactly the kind of learning environment they have hungered, it begins an utterly transformative experience.
**Freshman Research Initiative.** The Freshman Research Initiative is an acclaimed three-semester sequence that begins with a research methods course and then places students into a spring semester research laboratory to learn the techniques employed in one of 20 research streams of greatest interest to the student. Summer internships and additional independent inquiry in the fall semester of the sophomore year complete the FRI experience as students transition into mentoring roles for incoming students and on to laboratories in which the honors thesis will be conducted. All Dean’s Scholars are automatically included in the FRI program; there is no need to complete a separate FRI application.

**Finding a Research Project.** A defining characteristic of every Dean’s Scholar is the research he or she does—before they know it, they will be known as much by “who they are doing research with” as by the major they choose. The opportunities available might seem at first overwhelming and daunting—most every faculty member in the College takes students into their labs, and many science faculty from Engineering to Pharmacy to Kinesiology to Psychology love having our students work for them. Dean’s Scholars can even use work done during internships and summer programs away from UT Austin in writing their thesis.

There is no right answer as to how to find the right research group to join. For some it is the simple consequence of a chance conversation with a professor after class. Others need to view it like applying for a job—they become knowledgeable about the professors that interest them, make appointments and start knocking on doors. The good news is that the opportunities are plentiful and there will always be a place for them—and with plenty of help from the CNS Honors Center staff and their faculty advisor, they will find a good match.

**Natural Sciences Undergraduate Research Forum.** Every spring the University celebrates undergraduate research, and certainly the most impressive piece of this effort is the Natural Sciences Undergraduate Research Forum. Held on a Friday afternoon in the Welch Hall foyer, about 200 research posters are put on display by students engaged in undergraduate research. Whether as a member of an FRI stream, or as part of their honors thesis work, Dean’s Scholars will most certainly participate in this extraordinary event to show their work to thousands of their peers. About 100 scientists from academia, national labs and industry show up to judge the posters and award substantial cash prizes for the best work in each discipline.

**Writing an Honors Thesis.** It is traditional that students completing an honors degree accomplish something special outside coursework requirements to validate the honors designation. In the sciences, the writing of an honors thesis on the new knowledge gained through research has a rich tradition in the style of the dissertation written in support of a doctoral degree. For many students this honors thesis coincides with work being completed for presentation at conferences or peer review in academic research journals. The writing of an honors thesis also provides many opportunities for external recognition through publications or prizes, and is a welcome addition to applications to professional schools, graduate schools and in the job market.

**Tracking Research Progress.** Faculty advisors will discuss each Dean’s Scholar’s research progress with them during their registration advising sessions each semester. The Research Planning form on the following page is a good way for students to keep track of their planning and participation in research so that they will be prepared to discuss their research progress. It is important to keep it updated.
RESEARCH PLANNING FORM

NAME: ___________________________ UT EID ________________

FACULTY ADVISOR: ________________________________________________

Write a sentence or two about what research you have done in the past, what you are currently doing, your plans for upcoming semesters, whether you have a thesis idea, etc.

List 3 faculty you would be interested in doing research with:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Freshman Year

________________________________________________________________________

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________________________________________________________________________

Sophomore Year

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Junior Year

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Senior Year

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________________________________________________________________________

Future Plans

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
It is never too early to start thinking about scholarships and preparing to apply for them. Below is a list of guidelines for several major scholarships. Please feel free to meet with Adrianne Chacon-Posey to discuss these and other opportunities. Detailed information about both scholarships and fellowships—paid research or educational positions—can be found at cns.utexas.edu/honors/scholarships-fellowshipsnational.

**ASTRONAUT SCHOLARSHIP FOUNDATION AWARD**
Website: [utexas.edu/provost/initiatives/undergraduate_awards/astonaut](http://utexas.edu/provost/initiatives/undergraduate_awards/astonaut)
Who Can Apply: sophomores, juniors
UT-Austin has been invited to nominate students for the Astronaut Scholarship Foundation’s (ASF) award, a $10,000 scholarship for students in engineering and natural or applied sciences who exhibit motivation, imagination, and exceptional performance in their chosen fields. ASF seeks students with excellent grades who have participated in lab and research work in their field. Nominees must be U.S. citizens. Students intending to pursue a practice in professional medicine are not eligible for the scholarship; however, those intending to perform biomedical research are. The award is for students in their junior and senior years, so scholarship candidates must be sophomores or juniors at time of nomination. Students do not apply directly for this award but instead are nominated by their faculty supervisor.

**CHURCHILL SCHOLARSHIP**
Website: [winstonchurchillfoundation.org](http://winstonchurchillfoundation.org)
Who Can Apply: seniors
The Churchill Scholarship offers U.S. citizens of exceptional academic talent and outstanding achievement the opportunity to pursue graduate studies in engineering, mathematics, or sciences at the University of Cambridge, Churchill College. The scholarship covers all tuition and fees, and offers generous travel and living allowances. A campus committee selects UT-Austin’s nominees before applications are forwarded to the Churchill Foundation.

**FULBRIGHT U.S. STUDENT PROGRAM**
Website: [us.fulbrightonline.org](http://us.fulbrightonline.org)
Who Can Apply: juniors, seniors
The Fulbright U.S. Student Program provides grants for individually designed study/research projects or for English Teaching Assistant programs outside the U.S. Funding does not begin until students complete their undergraduate degree. Fulbrighters meet, work, live with and learn from the people of the host country, sharing daily experiences. The program facilitates cultural exchange through direct interaction on an individual basis in the classroom, field, home, and in routine tasks, allowing the grantee to gain an appreciation of others’ viewpoints and beliefs, the way they do things, and the way they think.

**GATES CAMBRIDGE SCHOLARSHIPS**
Website: [gatesscholar.org](http://gatesscholar.org)
Who Can Apply: seniors
Gates Cambridge Scholarships are awarded to outstanding students from outside the United Kingdom to study at the University of Cambridge. The program aims to build a global network of future leaders committed to improving the lives of others. Gates Cambridge Scholarships are highly competitive, full-cost awards for graduate study and research in any subject available at the University of Cambridge. Students apply directly to the funding organization. No UT-Austin campus nomination is required.
**GOLDWATER FELLOWSHIP**
Website: [act.org/goldwater](http://act.org/goldwater)
Who Can Apply: sophomores, juniors
The Barry M. Goldwater Scholarship provides $7,500 per year for educational expenses to two groups of students—those who will be juniors or seniors in the next academic year. Applicants must have outstanding potential and intend to pursue careers in mathematics, the natural sciences, or engineering. A campus committee selects UT-Austin's nominees before applications are forwarded to the national competition.

**JOINT ADMISSIONS MEDICAL PROGRAM**
Website: [cns.utexas.edu/health-professions/jamp](http://cns.utexas.edu/health-professions/jamp)
Who Can Apply: freshmen
The Joint Admission Medical Program (JAMP) is a special program created by the Texas Legislature to support and encourage highly qualified, economically disadvantaged students pursuing a medical education. The program provides scholarship money through a student’s undergraduate education, paid summer internships at a Texas medical school, admission to a Texas medical school (provided all program requirements are met), and scholarships throughout medical school. Students must apply for the program between the spring semester of their first year of college and the fall semester of their second year.

**MARSHALL SCHOLARSHIP**
Website: [marshallscholarship.org](http://marshallscholarship.org)
Who Can Apply: seniors
Marshall Scholarships support U.S. citizens of high ability with outstanding intellectual, personal and public service accomplishments for one or two years of graduate study in any discipline at a college or university in the United Kingdom. The scholarship aims to strengthen the enduring relationship between the British and American peoples, their governments, and their institutions. The award covers educational costs, living expenses, and travel costs. A campus committee selects UT-Austin's nominees before applications are forwarded to the national competition.

**NSF GRADUATE RESEARCH FELLOWSHIP PROGRAM**
Website: [nsfgrfp.org](http://nsfgrfp.org)
Who Can Apply: seniors
The National Science Foundation Graduate Research Fellowship Program (NSF GRFP) supports outstanding graduate students in NSF-supported science, technology, engineering, and mathematics disciplines who are pursuing research-based master's and doctoral degrees at accredited United States institutions. Fellows benefit from a three-year annual stipend of $30,000 along with a $10,500 cost of education allowance for tuition and fees, opportunities for international research and professional development, and the freedom to conduct their own research at any accredited U.S. institution they choose. Students apply directly to the NSF. No UT Austin campus nomination is required.

**RHODES SCHOLARSHIP**
Website: [rhodesscholar.org](http://rhodesscholar.org)
Who Can Apply: seniors
The Rhodes scholarships, the oldest international fellowships, bring outstanding students from many countries around the world to the University of Oxford. A Rhodes scholarship offers the opportunity to study at Oxford University for one or two years, with all tuition and fees paid and a living allowance provided. Intellectual and academic achievement of a high standard is the first quality required of applicants, but they will also be expected to demonstrate integrity of character, interest in and concern for others, leadership ability, and the energy to fully use their talents. A campus committee selects UT-Austin's nominees before applications are forwarded to the national competition.
TRUMAN SCHOLARSHIP
Website: truman.gov
Who Can Apply: juniors
The Harry S. Truman Scholarship is a $30,000 merit-based scholarship awarded to undergraduates who wish to attend graduate or professional school in preparation for careers in government, the non-profit sector, or elsewhere in public service at a leadership level. Students must be college juniors at the time of selection. Scholars are required to work in public service for three of the seven years following completion of a Foundation-funded graduate degree program as a condition of receiving Truman funds. A campus committee selects UT-Austin’s nominees before applications are forwarded to the national competition.

UDALL SCHOLARSHIP
Website: udall.gov
Who Can Apply: sophomores, juniors
Description: The Udall Scholarship is awarded to future leaders across a wide spectrum of environmental fields, including policy, engineering, science, education, urban planning and renewal, business, health, justice, and economics. The Morris K. Udall and Stewart L. Udall Foundation also supports future Native American and Alaska Native leaders in Native American health care and tribal public policy. Each scholarship provides up to $5,000 for the student’s junior or senior year. Honorable Mentions will receive a $350 award. A campus committee selects UT-Austin’s nominees before applications are forwarded to the national competition.

UNIVERSITY CO-OP / GEORGE H. MITCHELL UNDERGRADUATE STUDENT AWARDS FOR ACADEMIC EXCELLENCE
Website: utexas.edu/provost/initiatives/undergraduate_awards/mitchell
Who Can Apply: juniors, seniors
The University of Texas at Austin, with the generous support of the University Co-op, recognizes up to seven UT undergraduates each spring for superior scholarly or creative achievement. Faculty members nominate students who have demonstrated superior scholarly or creative achievement through a notable paper or thesis, research project, creative or artistic endeavor, or other product of the student’s academic work. Three students receive awards of $2,000 each, three students receive awards of $3,000 each, and one student is awarded the grand prize of $10,000.
THE DEAN’S SCHOLARS HONORS
THESIS GUIDELINES

Before beginning their thesis, students should read these guidelines and check in with the Honors Advisor for their department. The advisors’ names and contact information are listed on the department guidelines in this document. Students must let their advisor know when they are planning to graduate and make sure that both they themselves and their research supervisor understand the process and deadlines.

1. SUPERVISION
The supervising professor will generally be a faculty member in the department granting the degree. Students may do thesis research in another department in our college, in another department outside our college, or even at another institution. In those cases, however, the department in which the degree is earned must have a faculty member willing to co-supervise the work and co-sign the thesis.

There should be at least two faculty members approving the thesis. One will be the supervising professor and the other the department Honors Advisor. The co-supervising professor must also approve the thesis, if the primary supervisor is not a member of the department.

2. LEVEL
Most departments have guidelines for the honors thesis. Students should talk with the Honors Advisor in their department before they begin writing the thesis to be certain they understand the requirements and expectations. In general, the thesis should be a scholarly work that shows the writer’s knowledge of the relevant scholarship in the field and contributes to that scholarship. The project being described should define an unresolved problem in the field, and students should indicate what they have done to push towards resolution of the problem.

3. ELEMENTS
Abstract: The abstract, which briefly defines the problem and summarizes results, is generally 1 – 2 pages and is written at a level readable by almost any undergraduate in the College.
Background: This section defines the problem, including the importance and background, and provides a scholarly review of the relevant literature in the field. This section should be readable by any Dean’s Scholar.
Results: This section describes the work. The format for this will differ, depending on the field, and should satisfy the supervising professor.
Discussion: Students should provide a discussion of their results and how they fit into the bigger picture. This should not be a repetition of the results. Instead, students should focus on the interpretation and significance of the data. Any unexpected results or approaches that were unsuccessful should be explained here. Students may also describe additional experiments or approaches that they would use if they were to continue with the project. This section should be readable by any Dean’s Scholar.
Bibliography: An alphabetized list of all published information referred to in the body of the thesis.

4. LENGTH
This is area-dependent. Some documents may have many pages of data or software (perhaps in appendices) and others may not. Students should speak with their supervising professor or the Honors Advisor in their department to ascertain their expectations.
5. FORMAT
A hard copy will be given to the supervising professor(s) for approval. The cover page will have a place for the supervising professor’s signature, indicating that the thesis meets the department’s requirements for the honors degree. A copy of the signed cover page and a hard copy or PDF of the thesis should be given to the Honors Advisor by the stated deadline.

Students must submit a copy of the signed cover page and PDF of the thesis to the CNS Honors Center. We would like to maintain a web site with all of the theses to serve as a guide for future students and to show the outstanding research that is being done by our students. Unless students object to having their thesis available online or in the CNS Honors Center or their supervising professor does not want the data made available prior to formal publication, students should print and sign the permission page and turn it in to the CNS Honors Center with the cover page.

5. PRESENTATION
A publicly announced oral presentation or participation in the College of Natural Sciences Undergraduate Research Forum is expected.

6. DEADLINES
The presentations should be prior to exam week, and the final documents are due by the dates indicated on the department guidelines. Students should check with their readers to determine their deadlines for reading and signing the document, but they should plan to turn in their thesis to their readers in time to allow them at least 2 weeks to read and approve the thesis. The PDF or hard copy and a copy of the signed cover page should be given to the Honors advisor by the date indicated on the department guidelines.
Add or delete information as required by your department

TITLE OF THESIS

Presented by (your name)

In partial fulfillment of the requirements for graduation with the
Dean’s Scholars Honors Degree in (Department)

(Name)       Date
Supervising Professor

(Name)       Date
Co-Supervising Professor

(Name)       Date
Honors Advisor in (Department)
Add or delete information as required by your department

I grant the Dean’s Scholars program permission to post a copy of my thesis in the University of Texas Digital Repository. For more information, visit http://repositories.lib.utexas.edu/about.

*(title of thesis)*

Department:

______________________________  _______________________
(Your name, printed)    Signature     Date

______________________________  _______________________
(Supervising professor’s name, printed)    Signature     Date
*Note that the Department of Computer Sciences has a more extensive guide than most departments, and some of the advice given there might be of interest to non-CS majors as well. See guide for CS 379H on page 24.

DEPARTMENT OF ASTRONOMY

Honors advisor and contact person for questions about the honors thesis:
Dr. John Lacy
Best way to reach Dr. Lacy: shields@astro.as.utexas.edu • 471-1402
Number of readers required for the thesis:
Research advisor
One additional reader if the research advisor is not a tenure/tenure track member of the department
Presentation or defense of thesis required? Yes. This could be in a research group seminar, an undergrad research symposium, or as a poster at an Astronomical Society meeting.
Deadline for turning in completed thesis: One week prior to the last class day
Required or recommended length: No specific requirement
How many copies should be turned in, to whom, and in what format?
One hard copy to the research advisor
One hard copy and PDF file to Dr. Shields
PDF to CNS Honors Center, PA1 5.60
Are there formatting guidelines, in addition to the DS guidelines, that should be followed? No

SCHOOL OF BIOLOGICAL SCIENCES

Honors advisor and contact person for questions about the honors thesis:
Dr. Ruth Buskirk
Best way to reach Dr. Buskirk: rbuskirk@mail.utexas.edu • 471-7793
Number of readers required for the thesis:
Research advisor
One additional reader if the research advisor is not a tenure/tenure track member of the department
Presentation or defense of thesis required? No. Participation in the CNS Undergraduate Research Forum is encouraged.
Deadline for turning in completed thesis: Last class day
Required or recommended length: No specific requirement
How many copies should be turned in, to whom, and in what format?
One hard copy to the research advisor
One hard copy to Dr. Buskirk
PDF to DS office
Are there formatting guidelines, in addition to the DS guidelines, that should be followed? No

SPECIAL DEPARTMENTAL HONORS IN BIOLOGY – GUIDELINES FOR THE BIO 379H HONORS THESIS

SUPERVISORS:
The supervising professor will generally be a faculty member in the School of Biological Sciences or a faculty member in another department in the College of Natural Sciences who is affiliated with a Graduate Assistant Professor.
Studies Committee in Biological Sciences. The actual supervisor may be in another department outside our college, or even at another institution, but in that case a faculty member in the School of Biological Sciences must be assigned to be a second reader. Similarly, if the supervisor is a Research Scientist or a Lecturer, then the department in which the degree is earned must have a faculty member willing to co-supervise the work and co-sign the thesis. There should be at least two faculty members approving the thesis. One will be the supervising professor and the other is the department Honors Advisor.

**THESIS CONTENT:**
Each finished research thesis should have a well-defined subject or purpose clearly stated in the introduction. In general, the thesis should be a scholarly work that shows the writer’s knowledge of the relevant scholarship in the field and contributes to that scholarship. The project being described should define an unresolved problem in the field, and you should indicate what you have done to push towards resolution of the problem. The Abstract, which briefly defines the problem and summarizes your results is generally 1-2 pages and is written at a level readable by undergraduates in the College. It is important that the Abstract be written for the intelligent layperson. It is particularly useful if the students write the Abstract, Introduction, and Discussion as if they were addressing the interdisciplinary board of a grant-giving agency and had to explain the significance of the project to a group of intelligent people who know next-to-nothing about the field.

**THESIS FORMAT:**
The format used should conform to the technical language of its field and, in general, should include: Abstract, Introduction or Background, Materials and Methods, Results, Discussion, References, Tables, and Figures. The thesis should follow a manual of style that is in use in its field. It should also be well-proofed. A BIO 379H thesis may be around 10,000 words, but there is no fixed length requirement, and this will vary with the nature of the project.

Most theses should have a list of works cited, following one of the standard bibliographical forms; the exact format will be up to the Supervising Professor. Students should make sure that their audience can tell what information had its source in their own original research, and what had its source in work done by others.

**SUBMISSION:**
The cover page will include thesis title, student’s name, and date. It will have a place for signatures of approval by the supervising professor, the second reader (if any), and the Biology Honors Advisor. A printed copy of the signed cover page and the Abstract as well as an electronic file (e.g., pdf) of the entire thesis should be submitted to one of the Honors Advisors for the School of Biological Sciences: Ruth Buskirk, David Crews, or Alan Lloyd.

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**DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY**

*Honors advisor and contact person for questions about the honors thesis:*

**Dr. John F. Stanton**

*Best way to reach Dr. Stanton:* jfstanton@mail.utexas.edu

*Number of readers required for the thesis:*

Research advisor

One additional reader if the research advisor is not a tenure/tenure-track member of the department

*Presentation or defense of thesis required?* No

*Deadline for turning in completed thesis:* One week prior to the last class day

*Required or recommended length:* No specific requirement

*How many copies should be turned in, to whom, and in what format?*

One hard copy to the research advisor

One hard copy to Dr. Stanton

PDF to CNS Honors Center, PAI 5.60

*Are there formatting guidelines, in addition to the DS guidelines, that should be followed?* No
Honors advisor and contact person for questions about the honors thesis:

DR. WILLIAM PRESS
(Additional information available in the Undergraduate Advising Office located in PAI 5.60)
Best way to reach Dr. Press: wpress@cs.utexas.edu • 232-4022

Number of readers required for the thesis:
- Research advisor
- One additional reader
- Thesis committee also includes an external committee member and the honors advisor

Presentation or defense of thesis required? Yes. An approved oral presentation to your supervising instructor, second reader, and an assigned member of the Undergraduate Thesis Committee during
- the week prior to the last week of class.

Deadline for turning in forms: Completed form(s) will be due in PAI 5.60 by the fourth class day (second class day in summer session) at 12 noon of the semester when you plan to graduate.

Forms can be downloaded: http://www.cs.utexas.edu/academics/undergraduate/forms/
Deadline for turning in completed thesis: Draft due before oral presentation. Final thesis and documents due to the committee and department by the last class day.

Required or recommended length: No specific requirement

How many copies should be turned in, to whom, and in what format?
- One hard copy to the research advisor
- One hard copy to Dr. Press
- PDF to CNS Honors Center, PAI 5.60

Are there formatting guidelines, in addition to the DS guidelines, that should be followed? No

CS 379H – UNDERGRADUATE HONORS THESIS STUDENT GUIDE

CS 379H provides highly qualified undergraduates with an opportunity to participate in a research project under the direct supervision of a faculty member. This course should be of special interest to students planning research-oriented careers and intending to pursue graduate study. Students successfully completing CS 379H and meeting GPA requirements are awarded the distinction of graduating “With Special Honors in Computer Sciences”.

To give students a preview of graduate-level research, CS 379H has been designed to mimic the process of doing a master’s thesis or doctoral dissertation: the student must find a supervising instructor, decide upon a research project, work at his or her own pace to produce results, write a thesis describing the research, and then defend it in a presentation before a group of faculty members.

This document is intended to overview the requirements for CS 379H and to provide helpful suggestions to students interested in taking this course.

WHEN TO TAKE CS 379H
Many students take CS 379H their last semester before graduation. If you do this, plan your schedule carefully to ensure you have the time needed to complete your project without delaying your graduation. Be aware that job interviews and site visits will take away from your research.

If you are applying to graduate school, taking CS 379H a semester earlier may be worthwhile. This will allow you to describe your research in your graduate school application, and your supervising instructor may provide a valuable letter of recommendation.

PREREQUISITES
In order to take CS 379H, you must meet the following requirements:
1. You must have at least a 3.0 overall UT grade point average.
2. You must have at least a 3.5 CS grade point average. Your CS grade point average is computed using all grades you have earned in UT courses having a CS prefix.
3. You must have completed CS 310 or 310H and CS 336 or 336H.
4. You must have completed any upper division CS courses relevant to your area of research, as determined by your supervising instructor and the honors faculty advisor. (For example, if you are
interested in working in the area of operating systems, you must first complete CS 372.

Additionally, you are strongly encouraged to have taken CS 370 before registering for CS 379H. In the absence of this, you will need to show other evidence of research and a strong endorsement from your research supervisor.

FINDING A SUPERVISOR
It is your responsibility to find a faculty member willing to supervise your research. Be aware that faculty members have limited time and may not be available every semester to supervise CS 379H projects. Make arrangements early, preferably by the start of pre-registration the semester before you will begin your project.

Faculty members will be more agreeable to supervising you if you have done well in their courses and if your interests are similar to theirs. Brief descriptions of our faculty’s research interests can be found on the bulletin board at the west entrance of Taylor Hall.

SELECTING A RESEARCH TOPIC
There are several ways to find a topic for a CS 379H project. Occasionally, students know exactly what problem they want to work on. More often, students rely on faculty members for suggestions.

Some faculty members direct large research projects on which both undergraduate and graduate students work. These faculty members may be able to find a piece of the larger project that is perfect for a CS 379H course. Other faculty members may have projects that require only one student to complete.

When you approach a faculty member about supervising you, expect to be asked about your interests. The more specific you can be, the easier it will be for the faculty member to help you select a topic.

There is perhaps nothing more important than finding a project that you enjoy and a faculty member with whom you can interact easily. Be prepared to talk to several faculty members about different projects before making a decision.

PAPERWORK AND REGISTRATION
Once you have found a supervising instructor and decided upon a project, you should complete the CS 379H Contract and obtain the necessary signatures.

We recommend you complete the paperwork the semester before you plan to take CS 379H. You may pre-register for CS 379H even if you have not finalized arrangements for the course.

DUE DATES
During the fall/spring semesters, the completed form(s) will be due in PAI 5.60 by the fourth class day at 12 noon. Failure to turn in a completed form by the deadline will result in being dropped from the course.

During the summer, the completed form(s) will be due in PAI 5.60 by the second class day at 12 noon. Failure to turn in a completed form by the deadline will result in being dropped from the course.

WRITING COMPONENT CREDIT
You may take CS 379H for upper division writing component credit by registering for the appropriate unique number. Doing so adds three requirements to the course:
1. Your thesis must include at least 4,000 words of English text, exclusive of computer code, tables, figures, etc.
2. Your supervising instructor must critique the quality of your written expression and suggest ways in which your writing may be improved.
3. The quality of your written expression must be a factor in determining your course grade.

THE SECOND READER
While you are working on your research, you should make arrangements with a faculty member to serve as your second reader. This faculty member will read your thesis, attend your presentations, and approve the work you have done. Your supervising instructor will assist you in finding a second reader.

THE THESIS
There are no specific requirements as to the length, content, or format of the thesis. Your thesis should be a complete and concise description of the work you have done. It must be acceptable to your supervising instructor, the second reader, the external thesis committee member and the honors faculty advisor. Your thesis may be bound in any appropriate manner. The title page should include the title of your thesis, your name, your supervising instructor’s name, and the date.
You can take a look at recent honors theses on the technical reports webpage, which may be found under research on the departmental webpage.

**THE ORAL PRESENTATION**

In addition to your written thesis, you must give an approved oral presentation to your supervising instructor, second reader, and an assigned member of the Undergraduate Thesis Committee.

**DEADLINES**

The semester you are enrolled for CS379H will be a very busy one. In addition to completing the thesis research and writing the honors thesis, there are several deadlines to be met during the course of the semester. Below is a tentative schedule of deadlines related to the honors thesis.

**First Month**
- Student and supervisor must finalize second reader.
- Student confirms that their second reader will be in town for the oral presentation (see below) and will be available to review the thesis during the last 2 weeks of class and first week of exams.
- Honors Advisor communicates External committee member assignments. The student’s Honors Thesis Committee consists of the supervisor, the second reader and the external committee member assigned to the student.

**Second Month**
- Student and supervisor finalize date & time of oral thesis presentation in consultation with the honors thesis committee. The talk must be scheduled the week prior to the last week of class, at a time convenient to the committee.
- Notify the undergraduate office of the date and time so that a room can be scheduled for the talk.
- Presentations are scheduled for 1.5 hours, actual talk time should be approximately 45 minutes.

**Third Month**
- Student submits thesis draft to her/his committee.
- Oral thesis presentations take place. Expect to receive feedback from committee.

**Last day of classes**
- Students submit their final thesis documents to committee and to department.
- Students complete the Publication Release Form and submit to the department.

**ENVIRONMENTAL SCIENCE INSTITUTE**

*Honors advisor and contact person for questions about the honors thesis:*

**DR. CHRISTINE HAWKES**

*Best way to reach Dr. Hawkes: chawkes@austin.utexas.edu*

*Number of readers required for the thesis: two*

*Presentation or defense of thesis required? No*

*Deadline for turning in completed thesis: One week prior to the last class day*

*Required or recommended length: No specific requirement*

*How many copies should be turned in, to whom, and in what format?*
  - One hard copy to the research advisor
  - One hard copy and PDF file to Dr. Hawkes
  - PDF to CNS Honors Center, PAI 5.60

*Are there formatting guidelines, in addition to the DS guidelines, that should be followed? No*

**SCHOOL OF HUMAN ECOLOGY**

*HDFS Honors advisor and contact person for questions about the honors thesis:*

**DR. THEODORE H. DIX**

*Best way to reach Dr. Dix: teddix@austin.utexas.edu*

*NTR Honors advisor and contact person for questions about the honors thesis:*

25  DEPARTMENTAL HONORS THESIS GUIDELINES
Number of readers required for the thesis:
Research advisor
One additional faculty member
Presentation or defense of thesis required? Yes. Presentation also must be approved by the thesis committee (research supervisor and another faculty member).
Deadline for turning in completed thesis: One week prior to the last class day
Required or recommended length: No stated requirement
How many copies should be turned in, to whom, and in what format?
One hard copy to the research advisor
One hard copy or PDF to the honors advisor
PDF to the CNS Honors Center, PAI 5.60
Are there formatting guidelines, in addition to the DS guidelines, that should be followed? Consult your research advisor for formatting requirements

DEPARTMENT OF MATHEMATICS
Honors advisor and contact person for questions about the honors thesis:
DR. DAVID RUSIN
Best way to reach Dr. Rusin: rusin@math.utexas.edu • 471-6112
Number of readers required for the thesis:
Research advisor
Two additional readers
Presentation or defense of thesis required? No
Deadline for turning in completed thesis: Two weeks prior to the last class day
Required or recommended length: No specific requirement
How many copies should be turned in, to whom, and in what format?
One hard copy to the research advisor
PDF to Dr. Rusin
PDF to CNS Honors Center, PAI 5.60
Are there formatting guidelines, in addition to the DS guidelines, that should be followed? No

DEPARTMENT OF NEUROSCIENCE
Honors advisor and contact person for questions about the honors thesis:
DR. GEORGE POLLAK
Best way to reach Dr. Pollak: gpollak@austin.utexas.edu
Number of readers required for the thesis:
Research advisor
Two additional readers
Presentation or defense of thesis required? No
Deadline for turning in completed thesis: One week prior to the last class day
Required or recommended length: No specific requirement
How many copies should be turned in, to whom, and in what format?
One hard copy to the research advisor
One hard copy and PDF file to Dr. Pollak
PDF to CNS Honors Center, PAI 5.60
Are there formatting guidelines, in addition to the DS guidelines, that should be followed? No
**DEPARTMENT OF PHYSICS**

Honors advisor and contact person for questions about the honors thesis:

**Dr. Greg O. Sitz**

Best way to reach Dr. Sitz: gositz@physics.utexas.edu • 471-0701

Number of readers required for the thesis:

- Research advisor
- Honors Advisor (Dr. Sitz)

Presentation or defense of thesis required? No

Deadline for turning in completed thesis: One week prior to the last class day

Required or recommended length: No specific requirement

How many copies should be turned in, to whom, and in what format?

- One hard copy to the research advisor
- One hard copy to the Dr. Sitz
- PDF to CNS Honors Center, PAI 5.60

Are there formatting guidelines, in addition to the DS guidelines, that should be followed? No

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**PUBLIC HEALTH**

Honors advisor and contact person for questions about the honors thesis:

**Dr. Leanne Field**

Best way to reach Dr. Field: field@austin.utexas.edu

Number of readers required for the thesis:

- Research advisor
- One additional reader

Presentation or defense of thesis required? No

Deadline for turning in completed thesis: One week prior to the last class day

Required or recommended length: No specific requirement

How many copies should be turned in, to whom, and in what format?

- One hard copy to the research advisor
- One hard copy and PDF file to Dr. Field
- PDF to CNS Honors Center, PAI 5.60

Are there formatting guidelines, in addition to the DS guidelines, that should be followed? No
DEAN’S SCHOLARS STUDENT ASSOCIATION COUNCIL

The Dean’s Scholars Student Association Council is composed of over a dozen current Dean’s Scholars, who are elected annually to oversee events ranging from dinners and field trips to community service and research activities. All Dean’s Scholars are welcome to attend council meetings. Three freshman students are elected in September, so it is never too early to get involved.

2014–2015 DEAN’S SCHOLARS COUNCIL MEMBERS

Patrick Haley, Chair
patrick.haley@ymail.com
Hey everyone! I am a third-year computer science and philosophy major. My research uses digital simulations to study the evolution of animal behavior. I am a Dean’s and Turing Scholar, a Junior Fellow, and in Plan II. When I’m not studying or working with Council, you’re most likely to find me exploring Austin with my friends.

Lindsay Berry
lindsayrberry@gmail.com
I’m a senior DS Math major from College Station, TX. I hope to study Statistics in graduate school next fall, and my current research involves statistical analysis at Dell Children’s Medical Center.

Reggie Du
erric.du@gmail.com
I am Reggie Du, an incoming senior majoring in Physics. I have a younger brother and two much younger sisters that I grew up with in Irving, Texas. I enjoy nice sweaters, rock climbing, and boxing.

Nikita Klimovich
klimovich.nikita@gmail.com
I’m a 3rd-year Physics and Electrical Engineering major from Austin. I have moved around quite a bit and lived in 14 different homes. Although I identify as a Russian, I had never seen it until Crimea was annexed, which now means I’ve spent a great deal of time there.

Keerthana Kumar
keerthanakumar@utexas.edu
My name is Keerthana Kumar but I go by KK. I am a senior majoring in Computer Science and Biology. My research interests include computational evolution and neuroscience. The Dean’s Scholars program has almost defined my college experience so far and I am excited to make a lot more fun memories over the next year.

Ellis Michael
r.ellis.michael@gmail.com
I am a native Texan who happened to live in Louisiana for an eight year stint. A fourth year Computer Science and Plan II Major, I’ve been on DS Council for the past three years and look forward to serving DS once again.

Michael Miyagi
michael.miyagi@gmail.com
Hi all! My name is Michael Miyagi, and I’m a math/biology double major from Austin. I enjoy reading as well as playing games of all sorts, and would be delighted to get to know you! If you see me in the “wild” (RLM, GDC, Welch, etc.), please feel free to say hello.

Albert Nam
geon0111@gmail.com
My name is Albert Nam and I’m a sophomore chemistry major. Although I was born in Korea, I spent my entire teenage life in Austin. I’m really excited and honored to be part of both UT and Dean’s Scholars.
Nalin Ratnayeke
nalinratnayeke@gmail.com
Hey everyone! I’m a 5th-year biology and physics major from San Antonio. Apart from research and helping plan things on Council, you might find me nerding out on various films/TV shows/video games and occasionally cracking open books on random topics.

Ellen Zippi
ellenzippi@gmail.com
My name is Ellen Zippi. I’m a second-year biology major from Dallas, Texas and this will be my second year on the Dean’s Scholars Student Council. I’ve had many wonderful experiences with the Dean’s Scholars and I encourage everyone in the program to take advantage of all of the fun social events throughout the year.
# CALENDAR OF EVENTS

## 2014–2015

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday lunch, fall and spring semesters: Fridays noon-1:00 p.m., room TBD</td>
<td></td>
</tr>
<tr>
<td>Gone to Texas</td>
<td>Tuesday, August 26</td>
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<tr>
<td>Fall 2014 classes begin</td>
<td>Wednesday, August 27</td>
</tr>
<tr>
<td>Labor Day (no classes, university offices closed)</td>
<td>Monday, September 1</td>
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<tr>
<td>DS Welcome Picnic</td>
<td>Monday, September 1, 5:30 p.m.</td>
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<tr>
<td>12th class day (last day to drop class for possible refund)</td>
<td>Friday, September 12</td>
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<tr>
<td>DS Freshman Dinner</td>
<td>Saturday, September 13, Dr. Hillis’ home</td>
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<tr>
<td>Spring 2015 study abroad application deadline</td>
<td>Wednesday, October 1</td>
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<tr>
<td>McDonald Observatory</td>
<td>TBD</td>
</tr>
<tr>
<td>Family Weekend</td>
<td>Friday, October 24 - Sunday, October 26</td>
</tr>
<tr>
<td>Registration for Spring 2015</td>
<td>Monday, October 27 – Friday, November 7</td>
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<tr>
<td>Maymester application deadline</td>
<td>Saturday, November 1</td>
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<tr>
<td>Drop / withdrawal deadline (see advisor for details)</td>
<td>Tuesday, November 4</td>
</tr>
<tr>
<td>Thanksgiving (no classes, university offices closed)</td>
<td>Thursday, November 27 – Saturday, November 29</td>
</tr>
<tr>
<td>Last class day for Fall 2014</td>
<td>Friday, December 5</td>
</tr>
<tr>
<td>Fall graduation ceremonies</td>
<td>Saturday, December 6 – Sunday, December 7</td>
</tr>
<tr>
<td>DS Holiday Dinner</td>
<td>Saturday, December 6</td>
</tr>
<tr>
<td>Final exams</td>
<td>Wed., December 10 – Tues., December 16</td>
</tr>
<tr>
<td>Residence halls close</td>
<td>Wednesday, December 17</td>
</tr>
<tr>
<td>Official Fall 2014 graduation date (no ceremonies)</td>
<td>Saturday, December 20</td>
</tr>
<tr>
<td>Add/Drop for Spring 2015</td>
<td>Tues., January 12; Thurs., Jan. 15 – Fri., Jan. 16</td>
</tr>
<tr>
<td>Martin Luther King, Jr. Day (university offices closed)</td>
<td>Monday, January 19</td>
</tr>
<tr>
<td>Spring 2015 classes begin</td>
<td>Tuesday, January 20</td>
</tr>
<tr>
<td>Last day of official Add/Drop period</td>
<td>Friday, January 23</td>
</tr>
<tr>
<td>12th class day (last day to drop class for possible refund)</td>
<td>Wednesday, February 4</td>
</tr>
<tr>
<td>Summer 2015 study abroad application deadline</td>
<td>Sunday, February 8</td>
</tr>
<tr>
<td>Fall 2015 study abroad application deadline</td>
<td>Sunday, March 1</td>
</tr>
<tr>
<td>DS Musicale</td>
<td>Saturday, March 7 (subject to change)</td>
</tr>
<tr>
<td>Spring Break</td>
<td>Monday, March 16-Saturday, March 21</td>
</tr>
<tr>
<td>Undergraduate Research Week</td>
<td>TBD</td>
</tr>
<tr>
<td>Undergraduate Research Forum</td>
<td>TBD</td>
</tr>
<tr>
<td>Drop / withdrawal deadline (see advisor for details)</td>
<td>Monday, April 6</td>
</tr>
<tr>
<td>Registration for Summer and Fall 2015</td>
<td>Monday, April 20 – Friday, May 1</td>
</tr>
<tr>
<td>DS Senior Dinner</td>
<td>Saturday, May 2</td>
</tr>
<tr>
<td>Last class day for Spring 2015</td>
<td>Friday, May 8</td>
</tr>
<tr>
<td>Final exams</td>
<td>Wed. – Sat., May 13 – 16; Mon. – Tues., May 18 – 19</td>
</tr>
<tr>
<td>Residence halls close (except for graduating students)</td>
<td>Wednesday, May 20, 9:00 a.m.</td>
</tr>
<tr>
<td>Spring graduation ceremonies</td>
<td>Friday, May 22 – Saturday, May 23</td>
</tr>
<tr>
<td>Commencement and official Spring 2015 graduation date</td>
<td>Saturday, May 23</td>
</tr>
<tr>
<td>Residence halls close for graduating seniors</td>
<td>Sunday, May 24, 9:00 a.m.</td>
</tr>
</tbody>
</table>

In addition to the above, all Dean's Scholars, including the incoming class, will have the opportunity to help design social and academic events as a cohort.
DESCRIPTION OF ANNUAL EVENTS

WELCOME PICNIC
The Dean’s Scholars meet at Eastwoods Park to enjoy some Texas BBQ, take the annual group photo, and meet the first-year students.

ELECTION OF FIRST-YEAR REPRESENTATIVES TO DEAN’S SCHOLARS STUDENT ASSOCIATION
In early September, three first-year students are elected to serve on the Dean’s Scholars Student Association Council. Elections take place during the freshman seminar.

FIRST-YEAR DINNER
At the first of four dinners held each year, the Dean’s Scholars gather in mid-September at Dr. Hillis’s house for a meal honoring its newest members. Dinners are prepared by members of the program, led by head chef Ann Hillis.

FALL FIELD TRIP
In Fall, the Dean’s Scholars take a weekend trip, either to the Marine Science Institute at Port Aransas or to the McDonald Observatory in Ft. Davis.

REGISTRATION FOR SPRING SEMESTER — END OF OCTOBER
In addition to meeting with Dean’s Scholars advisors, Senior Dean’s Scholars are available for peer advising.

HOLIDAY DINNER
At the second dinner of the year held annually in early December, Dean’s Scholars attend a holiday feast on campus.
ORGAN DONOR DRIVE
In mid-February, Dean's Scholars spend two weeks every year educating UT students about organ donation and encouraging them to sign up as organ donors.

INDIVIDUAL MEETINGS
Each student has regular opportunities to meet one-on-one with Dr. Hillis to discuss life, the universe and everything throughout the year.

ELECTION OF DEAN’S SCHOLARS STUDENT ASSOCIATION COUNCIL – END OF MARCH
At the end of March elections are held for the Dean's Scholars Student Association Council. Elections take place during Dean's Scholars seminars. Ten students are elected to a one year term on the Dean's Scholars Student Association Council.

SPRING FIELD TRIP
In Spring, the Dean’s Scholars take a weekend trip. The site for Spring 2015 will be determined by the DS Council.

EXPLORE DEAN’S SCHOLARS
In April, prospective Dean’s Scholars will spend a weekend at UT experiencing the academics and student life.

MUSICALE
At the third dinner of the year held in March, students present their talent (or lack thereof).

REGISTRATION FOR SUMMER AND FALL SEMESTERS – MID-APRIL
In addition to meeting with Dean's Scholars advisors, Senior Dean’s Scholars are available for peer advising.

SENIOR DINNER
At the final dinner of the year, held in early May, the Dean's Scholars gather at Dr. Hillis's house to say goodbye to the seniors and hear the graduates’ parting words of wisdom.
THE FRESHMAN RESEARCH INITIATIVE (FRI)
The Freshman Research Initiative (FRI) in the College of Natural Sciences offers first-year students the opportunity to advance academically while doing cutting-edge, original, publishable research in chemistry, biochemistry, nanotechnology, molecular biology, physics, astronomy and computer sciences.

This early research experience serves as a platform for future research and success for our students. The three-semester program (in newly renovated, dedicated research labs) gives students experimental techniques, lab experience, publications, letters of recommendation and a deep understanding of the scientific process. While taking Originality in the Arts and Sciences in their first Fall semester, Dean’s Scholars will receive information about joining one of the FRI research streams.

For more information visit cns.utexas.edu/fri

INTERNATIONAL STUDY
Science is global, and the leading scientists and doctors of the 21st century will be the people who have an understanding of global issues, the courage to take risks, and the confidence to immerse themselves in the unknown. The Dean’s Scholars degree plan offers students the flexibility to study abroad. Students can spend a year, a semester, summer or Maymester studying abroad. While abroad, it is possible to take courses for a major and continue using financial aid. Popular study abroad programs include Maymester and Faculty-Led programs such as Biology offered in Australia or Genetics and Organic Chemistry offered in Spain. Students may also wish to explore research opportunities at an international institution. Internship opportunities are offered through the Study Abroad Office as well as external organizations. One popular internship program is Health Care in Mexico.

For more information on these and other international opportunities, visit cns.utexas.edu/international-study

UNDERGRADUATE RESEARCH FELLOWSHIPS
The College of Natural Sciences funds and/or administers a number of fellowships for students doing research. We can also help direct you to many outside sources of funding for students engaged in research. For more information visit cns.utexas.edu/honors/scholarships-fellowships/current-students/research-fellowships

UNDERGRADUATE RESEARCH FORUM
In April, undergraduates who have participated in research at UT or another institution present posters and oral talks on their work.

SUMMER RESEARCH PROGRAMS
In addition to spending a summer researching at UT, opportunities abound for participating in paid summer research programs at other institutions around the country.

For more information on these and other research opportunities, visit cns.utexas.edu/honors/scholarships-fellowships/current-students/research-fellowships
The University of Texas has some of the strongest science students in the world. The College of Natural Sciences Dean's Office realized that those students needed and deserved the kinds of special opportunities that would turn them into the scientific leaders of their generation. From that realization, the Dean's Scholars program was born in 1983. The original plan was to admit about 25 new students per year, offer them seminars, and provide them with assistance in the large university campus. The inaugural director of the program was mathematics professor and (at the time) Associate Dean James Vick.

The fall semester of 1983 saw the first Dean's Scholars Seminar. Professor Michael Starbird of the Mathematics department led the class. The format was very similar to the one still used for the introductory seminar today – informal presentations on various aspects of science. In 1985 Professor Alan Cline taught the Freshman Seminar. We had a speaker every other week with the goal of having at least one speaker from each department throughout the semester.

In January of 1984 there was the first Dean's Scholars trip. It went to the Marine Science Institute in Port Aransas. In the fall of 1985, Dean's Scholars took the first trip to Fort Davis and the McDonald Observatory. Each year, Dean's Scholars students have the opportunity to participate in excursions to exciting research destinations, such as Port Aransas and Fort Davis.

In 1986 we introduced the Musicale Event – a variety show where students and staff perform. The tradition began that Dr. Starbird would perform first and the Director of Dean's Scholars would perform last. We started the program with an announcement that we’ve made at every Musicale event: “Yes, some performances may have some flubs, but realize that everyone who gets up here will do better than everyone who doesn’t.” In 1986 we also hosted the first Dean's Scholars Senior Dinner. That first year we established an important tradition: Each graduating Dean's Scholar is asked to speak briefly about future plans and to give pithy advice to the younger students. In 1987 the idea for the Welcome Fall picnic emerged. The students chose Bert’s Barbeque and they’ve been our caterer ever since.

In 1988 Dr. Mike Starbird became the Director of the Dean's Scholars Honors Program. In August 1992, Dr. Alan Cline became the third Director of the program. Dr. Cline instituted a policy of having at least one special event each month.

In 1993 two Dean's Scholars students approached Dr. Cline about creating a program to heighten middle school students’ appreciation of science. Their idea was that students often had some science interest earlier in their school careers, but that their interest began to dwindle during middle school. If students lost so much interest that they failed to take the appropriate courses in high school, then there was little chance that they could pursue science in college. The goal of the program was to conduct science demonstrations for middle school students. Their plan got named the Middle School Enrichment Program (MSEP) and it became a hit both at the schools and within our program. There was even a television news feature on it. In its second year, the MSEP focused on schools that produced few university attendees. It began bringing groups of these students to campus to see what the university experience was like.

In the fall of 1995, the Dean's Scholars program grew to 100 students. We began to increase enrollment with the goal of having 200 students. The Dean’s Scholars program reached its target of 200 students in 2007.

In 1997 it was decided that the Dean's Scholars Student Association (DSSA) needed a council that would govern it. So we held the first council election. Lily Liao was the first council chair and she supervised the writing of a constitution for the organization. The council consisted of thirteen students, with three slots reserved for representatives of the three first-year seminars. The tradition was established that, other than by invitation, no faculty or staff attended the council meetings. One of the first recommendations from the DSSA council was the requirement that all Dean's Scholars take a special seminar devoted to the oral presentation of science. The recommendation was that the speaking seminar be taken in the second year.
since often the subsequent seminars required students to make such presentations. Years later, a special rhetoric course for Dean’s Scholars was added.

In 1998, a new program was established: Dean’s Scholars Distinguished Lecture Series. Important speakers are invited to campus and interaction is encouraged between the speaker and Dean’s Scholars. The Scholars Distinguished Lecture Series has three to four speakers per year. An added benefit of the Speaker Series has been the attention the Dean’s Scholars Honors Program gets thanks to the publicity surrounding the speakers.

All along our other “speaker series” has been the Friday Lunch. There were times when the attendance at lunch was fewer than ten. It began growing, however, in the 1990’s and eventually became one of the activities run by the student association. On one particular Friday in about 2002, Associate Dean David Laude was the speaker and one of the Dean’s Scholars posed the question, “Why doesn’t the Dean’s office pay for lunch?” David Laude said, “OK, we will.” Subsequently, lunch attendance took a quantum leap. In 2008, we often had about 100 attending.

In 2000, DS student Amy De Zern organized a new program. Her goal was to raise awareness of the need for organ donation. We set up a booth on the West Mall and encouraged passersby to sign organ donor cards. To attract attention to our booth, we built a giant red felt heart (complete with aorta sticking out the top). Taking turns, Dean’s Scholars paraded around (and sweated) wearing the heart. Anyone who wanted to hug the heart had to sign a donor card. In 2005, the heart gained a sister felt organ – a kidney. Thousands of the cards have been signed over the years.

The most significant change to the Dean’s Scholars Program came with the introduction of special degrees and honors courses. The original intent of the program had been that it serve as an enriching experience for our most interested and talented science students. In 2001, a committee appointed by David Laude began a serious study of two issues: degrees and courses. In 2002, the committee proposed a new degree program just for Dean’s Scholars. The new degree would require 120 hours, divided into four blocks of thirty hours each: major courses, breadth courses in science, electives, and mandatory coursework required for all bachelors degrees (e.g., history and government). This new degree was exceptional in three respects: It required only 30 hours in the major, it required only 120 hours overall, and it allowed 30 hours of electives. The 30 elective hours allow students to take up to 60 hours in their major (including graduate coursework) or to self-design interdisciplinary programs. The flexibility of the new program allowed for second degrees, study abroad, and extra time to be devoted to research. The capstone of the new degree program was an honors thesis that would describe the student’s own research. To make the 30 hours of science breadth a worthwhile experience for the college’s best students, five departments (mathematics, biology, chemistry, physics, and computer sciences) agreed to offer introductory honors courses that would be taught approximately at a post-Advanced Placement level, although they would not require AP credit as a prerequisite. Instead of a single Dean’s Scholars degree administered by the college, there would be individual departmental Dean’s Scholars degrees, each of which matched closely the 120 hour template of the original recommendation. These new degrees were approved in 2003. The first large group finished Deans Scholars degrees in 2007. At this point, pursuing a Dean’s Scholars degree is a requirement for being in the program.

I became the fourth Director of the Dean’s Scholars Program in 2011. I’m excited to continue the traditions and excellence of the program, even as I look for new opportunities and activities for Dean’s Scholars to advance their scientific careers.

Over the course of more than 30 years of history, the Dean’s Scholars program has sent students to the most competitive doctoral and medical programs in the world. We have had many Marshall Scholars and a Rhodes Scholar. More often than not the student speaker at the college commencement is a Dean’s Scholar. There have been many Dean’s Scholar to Dean’s Scholar marriages and innumerable lifetime friendships that have been made through the program.

Amidst the overwhelming number of opportunities at our university, the sheer size of the student body can be daunting. The Dean’s Scholars Honors Program continues to serve as a small and comforting community of the most talented science students sitting in the middle of a giant research university.
## University Core Curriculum

**First-Year Signature Course:** UGS 302 or 303

**English:** RHE 306  
**Humanities:** E 316K

**American and Texas Government:** GOV 310L, GOV 312L  
**American History:** 6 hours from approved list: ______

**Social and Behavioral Science:** 3 hrs from approved list: ______

**Visual and Performing Arts:** 3 hrs from approved list: ______

**Mathematics:** 3 hrs from approved list: ______

**Science and Technology, Parts I & II:** (Shown as part of the Major Hours and Breadth Requirement)

Note that no single course may be used to fulfill 2 core areas simultaneously, though in most cases students may satisfy both a core requirement and a major requirement with a single course. Courses that fulfill the core curriculum may be viewed at: [http://cns.utexas.edu/academics/degrees-majors/university-core](http://cns.utexas.edu/academics/degrees-majors/university-core)

### Other General Education Requirements

**Writing Flags:** 2 courses, including 1 at the upper-division level: ______

### Dean’s Scholars Honors Program Requirements

**Introductory Honors Coursework:** UGS 303  
RHE 309S-NSDS  
**Honors Math (Shown as part of the Breadth Requirement):**

**Thesis hours (6 hours):** AST 375/379H, AST 379H

### Dean’s Scholars Breadth Requirement:

Credit by advanced placement may not be counted toward the breadth requirement for the degree.

- Honors Math (M408D AP-H or M427L AP-H) ______
- Honors Chemistry: CH 301H ______ (meets Core Natural Science Part II)
- 9 hours of coursework chosen from honors-level courses in the College: ______

### Major Hours

Exceptions or substitutions to major hours are determined by the Astronomy Department’s representative to the Dean’s Scholars Steering Committee and are subject to the approval of the Director of the Dean’s Scholars Honors Program. Major hours must be taken for a letter grade.

- PHY 301 ______ PHY 101L ______ PHY 316 ______ PHY 116L ______ PHY 315 ______ PHY 115L ______ (meets Core Natural Science Part I)
- 12 hours of upper-division astronomy: ______ ______ ______
- 3 hours of upper-division astronomy/physics: ______
- 18 hours of upper-division physics: ______ ______ ______ ______ ______ ______ ______

### Elective Hours

6 additional hours must be taken from the College of Fine Arts or the College of Liberal Arts: ______

16 elective hours as determined under the direction of a faculty member and subject to the approval of the Director of the Dean’s Scholars Honors Program. ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______

### Total Hours and Residency Requirements

- Minimum 120 total hours: ______
- Minimum 60 hours in residence: ______
- Minimum 36 upper-division hours: ______
- Minimum 24 of last 30 hours must be in residence: ______
- 3.25 to remain in program, and 3.5 in residence GPA to graduate with degree: ______

Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

*Revised May 2014*
Bachelor of Science in Biochemistry: Honors Option
2014-16 Catalog (Expires August 2022)

University Core Curriculum

First-Year Signature Course: UGS 302 or 303 _____

English: RHE 306 _____ Humanities: E 316K _____

American and Texas Government: GOV 310L _____ GOV 312L _____ American History: 6 hours from approved list: ______

Social and Behavioral Science: 3 hrs from approved list: _____

Visual and Performing Arts: 3 hrs from approved list: _____

Mathematics: 3 hrs from approved list: _____

Science and Technology, Parts I & II: (Shown as part of the Breadth Requirement)

Note that no single course may be used to fulfill 2 core areas simultaneously, though in most cases students may satisfy both a core requirement and a major requirement with a single course. Courses that fulfill the core curriculum may be viewed at:
http://cns.utexas.edu/academics/degreemajors/university-core

Other General Education Requirements

Writing Flags: 2 courses, including 1 at the upper-division level: ______

Dean’s Scholars Honors Program Requirements

Introductory Honors Coursework: UGS 303 _____ RHE 309S-NSDS _____ Honors Math (Shown as part of the Breadth Requirement)

Thesis hours (6 hours): CH 369K/379H ______ CH 379H ______

Dean’s Scholars Breadth Requirement:

Credit by advanced placement may not be counted toward the breadth requirement for the degree.

Honors Math (M408D AP-H or other honors math course): ______

Honors Chemistry: CH 301H ______ CH 302H ______ (meets Core Natural Science Part I requirement)

Honors Biology: BIO 315H ______ BIO 325H ______ (meets Core Natural Science Part II requirement)

3 hours of coursework chosen from honors-level courses in the College: ______

Major Hours

Exceptions or substitutions to major hours are determined by the Chemistry Department’s representative to the Dean’s Scholars Steering Committee and are subject to the approval of the Director of the Dean’s Scholars Honors Program. Major hours must be taken for a letter grade.

CH 204 or CH 317 ______ CH 328M ______ CH 128K ______ CH 328N ______ CH 128L ______ CH 353 or CH 353M ______

CH 455 or CH 456 ______ BCH 339F ______ BCH 369L ______ 3 courses from BCH 339H, 339M, 339N, 370 ______

Elective Hours

6 additional hours must be taken from the College of Fine Arts or the College of Liberal Arts: ______

24 elective hours as determined under the direction of a faculty member and subject to the approval of the Director of the Dean’s Scholars Honors Program.

Total Hours and Residency Requirements

Minimum 120 total hours: ______

Minimum 60 hours in residence: ______

Minimum 36 upper-division hours: ______

Minimum 24 of last 30 hours must be in residence: ______

3.25 to remain in program, and 3.5 in residence GPA to graduate with degree: ______

Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

Revised May 2014
## Bachelor of Science in Biology: Honors Option
### 2014-16 Catalog (Expires August 2022)

### University Core Curriculum

**First-Year Signature Course:** UGS 302 or 303 ____

**English:** RHE 306 ____

**Humanities:** E 316K ____

**American and Texas Government:** GOV 310L ____ GOV 312L ____

**American History:** 6 hours from approved list: _____ _____

**Social and Behavioral Science:** 3 hrs from approved list: _____

**Visual and Performing Arts:** 3 hrs from approved list: _____

**Mathematics:** 3 hrs from approved list: _____

**Science and Technology, Parts I & II:** *(Shown as part of the Breadth Requirement)*

Note that no single course may be used to fulfill 2 core areas simultaneously, though in most cases students may satisfy both a core requirement and a major requirement with a single course. Courses that fulfill the core curriculum may be viewed at: [http://cns.utexas.edu/academics/degrees-majors/university-core](http://cns.utexas.edu/academics/degrees-majors/university-core)

### Other General Education Requirements

**Writing Flags:** 2 courses, including 1 at the upper-division level: _____ _____

### Dean’s Scholars Honors Program Requirements

**Introductory Honors Coursework:** UGS 303 ____

RHE 309S-NSDS ____

**Honors Math (Shown as part of the Breadth Requirement):**

**Thesis hours (6 hours):** BIO 379H ____

BIO 379H ____

### Dean’s Scholars Breadth Requirement:

Credit by advanced placement may not be counted toward the breadth requirement for the degree.

- Honors Math (M408D AP-H or other honors math course): _____
- Honors Chemistry: CH 301H ____ CH 302H ____ *(meets Core Natural Science Part I requirement)*
- Honors Biology: BIO 315H ____ BIO 325H ____ *(meets Core Natural Science Part II requirement)*
- 1 Honors Course from PHY (301 and 101L, 316 and 116L, or 315 and 115L), SSC, or CS: _____

### Major Hours

Exceptions or substitutions to major hours are determined by the Biology Department’s representative to the Dean’s Scholars Steering Committee and are subject to the approval of the Director of the Dean’s Scholars Honors Program. Major hours must be taken for a letter grade.

3 hours from each of the following areas:

- Cell/Molecular (BIO 320 or BIO 344): _____
- Neurobiology (NEU 365R): _____
- Developmental (BIO 349): _____

**Additional Biology, 6 upper-division hours, from approved list (see reverse):** _____ _____ _____ _____

**24 hours of Upper-division Biology must include 3 Upper-Division Labs, from approved list:** _____ _____ _____

*(BIO x77 may only count once)*

### Additional Science Hours

CH 204 ____

*CH328M ____ CH 128K ____ *CH328N ____ CH 128L ____

*CH328M and CH328N must be the sections for Chemistry/Biochemistry Majors*

PHY 301 (303K, or 317K) ____

PHY 101L (103M, or 117M) ____

PHY 316 (303L, or 317L) ____

PHY 116L (103N, or 117N) ____

### Elective Hours

6 additional hours must be taken from the College of Fine Arts or the College of Liberal Arts: _____ _____

15 elective hours as determined under the direction of a faculty member and subject to the approval of the Director of the Dean’s Scholars Honors Program.
Bachelor of Science in Biology: Honors Option  
2014-16 Catalog (Expires August 2022)

**Total Hours and Residency Requirements**

Minimum 120 total hours: _____  
Minimum 60 hours in residence: _____  
Minimum 36 upper-division hours: _____  
Minimum 24 of last 30 hours must be in residence: _____  
3.25 to remain in program, and 3.5 in residence GPA to graduate with degree: _____

**Additional Information**

Dean’s Scholars Honors Biology Degree

List of approved courses to fulfill 6 additional hours in Upper-Division Biology

Requirement may be met by completing 6 hours from the following courses:


Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

*Revised May 2014*
Bachelor of Science in Chemistry: Honors Option
2014-16 Catalog (Expires August 2022)

University Core Curriculum

First-Year Signature Course: UGS 302 or 303

<table>
<thead>
<tr>
<th>English</th>
<th>Humanities</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHE 306 _____</td>
<td>E 316K _____</td>
</tr>
</tbody>
</table>

American and Texas Government: GOV 310L _____ GOV 312L _____ American History: 6 hours from approved list: _____ _____

Social and Behavioral Science: 3 hrs from approved list: _____

Visual and Performing Arts: 3 hrs from approved list: _____

Mathematics: 3 hrs from approved list: _____

Science and Technology, Parts I & II: (Shown as part of the Breadth Requirement)

Note that no single course may be used to fulfill 2 core areas simultaneously, though in most cases students may satisfy both a core requirement and a major requirement with a single course. Courses that fulfill the core curriculum may be viewed at:
http://cns.utexas.edu/academics/degrees-majors/university-core

Other General Education Requirements

Writing Flags: 2 courses, including 1 at the upper-division level: _____ _____

Dean’s Scholars Honors Program Requirements

Introductory Honors Coursework: UGS 303 _____ RHE 309S-NSDS _____ Honors Math (Shown as part of the Breadth Requirement)

Thesis hours (6 hours): CH 369K/379H _____ CH 379H _____

Dean’s Scholars Breadth Requirement:

Credit by advanced placement may not be counted toward the breadth requirement for the degree.

Honors Math (M408D AP-H or other honors math course): _____
Honors Chemistry: CH 301H _____ CH 302H _____ (meets Core Natural Science Part I requirement)
Honors Physics (6 hours plus 2 hours lab) _____ _____ _____ _____ (meets Core Natural Science Part II requirement)
3 hours from honors CS or BIO _____

Major Hours

Exceptions or substitutions to major hours are determined by the Chemistry Department’s representative to the Dean’s Scholars Steering Committee and are subject to the approval of the Director of the Dean’s Scholars Honors Program. Major hours must be taken for a letter grade.

<table>
<thead>
<tr>
<th>CH 317 _____</th>
<th>CH 328M _____</th>
<th>CH 128K _____ CH 328N _____ CH 128L _____ CH 353 or 353M _____ CH 354 or 354L _____</th>
</tr>
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<tbody>
<tr>
<td>CH 153K _____</td>
<td>CH 154K _____</td>
<td>CH 456 _____ CH 376K _____ CH 431 _____ BCH 339P or 349 _____</td>
</tr>
</tbody>
</table>

Elective Hours

6 additional hours must be taken from the College of Fine Arts or the College of Liberal Arts: _____ _____

22 elective hours as determined under the direction of a faculty member and subject to the approval of the Director of the Dean’s Scholars Honors Program.

Total Hours and Residency Requirements

Minimum 120 total hours: _____
Minimum 60 hours in residence: _____
Minimum 36 upper-division hours: _____
Minimum 24 of last 30 hours must be in residence: _____
3.25 to remain in program, and 3.5 in residence GPA to graduate with degree: _____

Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

Revised May 2014
Bachelor of Science in Computer Science: Honors Option
2014-16 Catalog (Expires August 2022)

**University Core Curriculum**

**First-Year Signature Course:** UGS 302 or 303 _____

**English:** RHE 306 ______  **Humanities:** E 316K _____

**American and Texas Government:** GOV 310L _____ GOV 312L _____  **American History:** 6 hours from approved list: _____

**Social and Behavioral Science:** 3 hrs from approved list: _____

**Visual and Performing Arts:** 3 hrs from approved list: _____

**Mathematics:** 3 hrs from approved list: _____

**Science and Technology, Parts I & II:** *(Shown as part of the Breadth Requirement)*

Note that no single course may be used to fulfill 2 core areas simultaneously, though in most cases students may satisfy both a core requirement and a major requirement with a single course. Courses that fulfill the core curriculum may be viewed at: http://cns.utexas.edu/academics/degrees-majors/university-core

**Other General Education Requirements**

**Writing Flags:** 2 courses, including 1 at the upper-division level: _____

**Dean’s Scholars Honors Program Requirements**

**Introductory Honors Coursework:** UGS 303 ______  RHE 309S-NSDS _____  **Honors Math (Shown as part of the Breadth Requirement)**

**Thesis hours (6 hours):** CS 370 ______ CS 379H ______

**Dean’s Scholars Breadth Requirement:**

Credit by advanced placement may not be counted toward the breadth requirement for the degree.

  - Honors Math (M408D AP-H or higher honors math course): _____
  - Honors Computer Sciences: CS 311H _____ CS 314H _____
  - 1 of the following sequences: BIO 315H and BIO 325H; CH 301H and CH 302H; PHY 301,101L and PHY 316,116L: _____
    *(meets Core Natural Science Part I requirement)*
  - 3 additional hours chosen from the preceding list of courses or PHY 315,115L: _____ *(meets Core Natural Science Part II requirement)*

**Major Hours**

Exceptions or substitutions to major hours are determined by the Computer Sciences Department’s representative to the Dean’s Scholars Steering Committee and are subject to the approval of the Director of the Dean’s Scholars Honors Program. Major hours must be taken for a letter grade.

CS 429H _____ CS 331H _____ CS 439H _____

6 hours upper-division mathematics: _____

12 additional hours upper-division Computer Sciences: _____

**Elective Hours**

6 additional hours must be taken from the College of Fine Arts or the College of Liberal Arts: _____

25 elective hours as determined under the direction of a faculty member and subject to the approval of the Director of the Dean’s Scholars Honors Program.

______  ______  ______  ______  ______  ______  ______  ______  ______  ______  ______  ______  ______

**Total Hours and Residency Requirements**

Minimum 120 total hours: _____

Minimum 60 hours in residence: _____

Minimum 36 upper-division hours: _____

Minimum 24 of last 30 hours must be in residence: _____

3.25 to remain in program, and 3.5 in residence GPA to graduate with degree: _____

Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

*Revised May 2014*
University Core Curriculum

First-Year Signature Course: UGS 302 or 303

English: RHE 306

Humanities: E 316K

American and Texas Government: GOV 310L, GOV 312L

American History: 6 hours from approved list

Social and Behavioral Science: 3 hrs from approved list

Visual and Performing Arts: 3 hrs from approved list

Mathematics: 3 hrs from approved list

Science and Technology, Parts I & II: (Shown as part of the Breadth Requirement)

Note that no single course may be used to fulfill 2 core areas simultaneously, though in most cases students may satisfy both a core requirement and a major requirement with a single course. Courses that fulfill the core curriculum may be viewed at:

http://cns.utexas.edu/academics/degrees-majors/university-core

Other General Education Requirements

Writing Flags: 2 courses, including 1 at the upper-division level

Dean’s Scholars Honors Program Requirements

Introductory Honors Coursework: UGS 303 or EVS 331, RHE 309S-NSDS

Honors Math (Shown as part of the Breadth Requirement)

Thesis hours (6 hours): BIO 379H

Dean’s Scholars Breadth Requirement:

Credit by advanced placement may not be counted toward the breadth requirement for the degree.

Honors Math (M408D AP-H or other honors math course)

Honors Chemistry: CH 301H, CH 302H (meets Core Natural Science Part I requirement)

Honors Biology: BIO 315H, BIO 325H (meets Core Natural Science Part II requirement)

Honors Physics: PHY 301, PHY 101L

Environmental Science Major Hours

Exceptions or substitutions to major hours are determined by the Biology Department’s representative to the Dean’s Scholars Steering Committee and are subject to the approval of the Director of the Dean’s Scholars Honors Program. Major hours must be taken for a letter grade.

Ecology: BIO 373, BIO 373L, OR MNS 320, MNS 120L or MNS 152T (Topic: Marine Ecology)

Geological Sciences: GEO 401, GEO 346 Approved GEO course in sustainability

Geography: GRG 335N

Field Experience: One course from each of the following lists:

a. Introductory Field Seminar: EVS 311

b. Senior Field/Research Experience: EVS 371 or BIO 377 (with prior approval of the faculty advisor)

Environmental and Sustainability Themes: One course from each of the following thematic areas:

a. Environmental and Sustainability Policy, Ethics, and History: GRG 334, 336C, 339K, 340D, 342C, 356C, or 356T (approved topics only)


c. Climates & Oceans: BIO 456L, GEO 371C (approved topics only), 377P; GRG 333K, 356T (approved topics only)

d. Environmental Economics, Sustainability and Business: ECO 304K, 330T

Environmental Science Seminars: EVS 141, EVS 151
Bachelor of Science in Environmental Science: Honors Option
2014-16 Catalog (Expires August 2022)

Additional Hours for Biology Option

CH 204
Evolution: BIO 370
Conservation & Environmental Biology, one course from: BIO 351, 359, 375; MNS 352 (Topic: Concepts in Marine Conservation Biology), 356

Elective Hours

6 additional hours must be taken from the College of Fine Arts or the College of Liberal Arts

Additional elective hours to get to 126 total hours as determined under the direction of a faculty member and subject to the approval of the Director of the Dean’s Scholars Honors Program.

Total Hours and Residency Requirements

Minimum 126 total hours
Minimum 60 hours in residence
Minimum 36 upper-division hours
Minimum 24 of last 30 hours must be in residence
3.25 to remain in program, and 3.5 in residence GPA to graduate with degree

Revised May 2014
# Bachelor of Science in Human Development and Family Sciences: Honors Option
## 2014-2016 Catalog (Expires August 2022)

### University Core Requirements

**First-Year Signature Course:** UGS 302 or 303

**English:** RHE 306

**Humanities:** E 316K

**American and Texas Government:** GOV 310L, GOV 312L

**American History:** 6 hours from approved list

**Social and Behavioral Science:** PSY 301

**Visual and Performing Arts:** 3 hrs from approved list

**Mathematics:** 3 hrs from approved list

**Science and Technology, Parts I & II:**
- Shown as part of the Breadth Requirement

Note that no single course may be used to fulfill 2 core areas simultaneously, though in most cases students may satisfy both a core requirement and a major requirement with a single course. Courses that fulfill the core curriculum may be viewed at: [http://cns.utexas.edu/academics/degrees-majors/university-core](http://cns.utexas.edu/academics/degrees-majors/university-core)

### Other General Education Requirements

**Writing Flags:** 2 courses, including 1 at the upper-division level

### Dean’s Scholars Honors Program Requirements

**Introductory Honors Coursework:**
- UGS 303
- RHE 309S-NSDS
- Honors Math (Shown as part of the Breadth Requirement)

**Thesis hours (3 hours):** HDF 355H, HDF 379H

**Dean’s Scholars Breadth Requirement - Credit by advanced placement may not be counted**

**Mathematics:** A calculus course and a statistics course (one must be designated honors-level; meets Core Math requirement)

**Biology:** BIO 315H, BIO 325H (meets Core Natural Science Part I requirement)

**Chemistry:** CH 301H, CH 302H (meets Core Natural Science Part II requirement)

**Honors-designated or approved Science coursework:** 3 additional hours in BIO, CH, M, SDS, CS or PHY

### Major Hours

**Freshman Honors Seminar:** H E 115H

**Sophomore Honors Seminar:** H E 225H

HDF 304H, HDF 312, HDF 313H, HDF 315L, HDF 315L

15 hours from HDF 335, 337, 342, 343, 345, 347, 351, 356, 358, 362, 371, 372K, 378L, and approved social sciences

### Additional Requirements

**Social Science:** 6 hours (3 upper-division) chosen from ECO, ANT (social or cultural), SOC or PSY (not PSY 304, PSY 333D or PSY 339)

### Elective Hours

6 additional hours must be taken from the College of Fine Arts or the College of Liberal Arts

21 elective hours as determined under the direction of a faculty member and subject to the approval of the Director of the Dean’s Scholars Honors Program.

### Total Hours and Residency Requirements

- Minimum 120 total hours
- Minimum 60 hours in residence
- Minimum 36 upper-division hours
- Minimum 24 of last 30 hours must be in residence
- 3.25 to remain in program, and 3.5 in residence GPA to graduate with degree

Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

*Revised May 2014*
Bachelor of Science in Mathematics: Honors Option
2014-16 Catalog (Expires August 2022)

University Core Curriculum

First-Year Signature Course: UGS 302 or 303

English: RHE 306 ______  Humanities: E 316K ______

American and Texas Government: GOV 310L _____ GOV 312L _____  American History: 6 hours from approved list: ______

Social and Behavioral Science: 3 hrs from approved list: ______

Visual and Performing Arts: 3 hrs from approved list: ______

Mathematics: 3 hrs from approved list: ______

Science and Technology, Parts I & II: (Shown as part of the Breadth Requirement)

Note that no single course may be used to fulfill 2 core areas simultaneously, though in most cases students may satisfy both a core requirement and a major requirement with a single course. Courses that fulfill the core curriculum may be viewed at:
http://cns.utexas.edu/academics/degrees-majors/university-core

Other General Education Requirements

Writing Flags: 2 courses, including 1 at the upper-division level: ______

Dean’s Scholars Honors Program Requirements

Introductory Honors Coursework: UGS 303 ______  RHE 309S-NSDS ______  Honors Math (Shown as part of the Breadth Requirement)

Thesis hours (3 hours): M 379H ______

Dean’s Scholars Breadth Requirement:

Credit by advanced placement may not be counted toward the breadth requirement for the degree.

Honors Math: M427K-H ______ and M 408D AP-H or M 427L-H ______
1 of the following sequences: BIO 315H and BIO 325H; CH 301H and CH 302H; PHY 301,101L and PHY 316,116L: ______
(meets Core Natural Science Part I)
9 additional hours chosen from the preceding list of courses, CS 315H or PHY 315,115L: ______ (meets Core Natural Science Part II)

Major Hours

Exceptions or substitutions to major hours are determined by the Math Department’s representative to the Dean’s Scholars Steering Committee and are subject to the approval of the Director of the Dean’s Scholars Honors Program. Major hours must be taken for a letter grade.

6 hours from: M 365C, M367K, or M373K (with A in one and at least a B in the other) ______

20 hours upper division mathematics courses: ______ ______ ______ ______ ______ ______

Elective Hours

6 additional hours must be taken from the College of Fine Arts or the College of Liberal Arts: ______

30 elective hours as determined under the direction of a faculty member and subject to the approval of the Director of the Dean’s Scholars Honors Program.

______ ______ ______ ______ ______ ______ ______ ______ ______

Total Hours and Residency Requirements

Minimum 120 total hours: ______
Minimum 60 hours in residence: ______
Minimum 36 upper-division hours: ______
Minimum 24 of last 30 hours must be in residence: ______
3.25 to remain in program, and 3.5 in residence GPA to graduate with degree: ______

Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

Revised May 2014
# Bachelor of Science in Neuroscience: Honors Option
## 2014-16 Catalog (Expires August 2022)

### University Core Curriculum

<table>
<thead>
<tr>
<th>First-Year Signature Course:</th>
<th>UGS 302 or 303</th>
</tr>
</thead>
<tbody>
<tr>
<td>English:</td>
<td>RHE 306</td>
</tr>
<tr>
<td>Humanities:</td>
<td>E 316K</td>
</tr>
<tr>
<td>American and Texas Government:</td>
<td>GOV 310L</td>
</tr>
<tr>
<td>American History:</td>
<td>6 hours from approved list:</td>
</tr>
<tr>
<td>Social and Behavioral Science:</td>
<td>3 hrs from approved list:</td>
</tr>
<tr>
<td>Visual and Performing Arts:</td>
<td>3 hrs from approved list:</td>
</tr>
<tr>
<td>Mathematics:</td>
<td>3 hrs from approved list:</td>
</tr>
</tbody>
</table>

**Science and Technology, Parts I & II:** *(Shown as part of the Breadth Requirement)*

Note that no single course may be used to fulfill 2 core areas simultaneously, though in most cases students may satisfy both a core requirement and a major requirement with a single course. Courses that fulfill the core curriculum may be viewed at: [http://cns.utexas.edu/academics/degrees-majors/university-core](http://cns.utexas.edu/academics/degrees-majors/university-core)

### Other General Education Requirements

<table>
<thead>
<tr>
<th>Writing Flags:</th>
<th>2 courses, including 1 at the upper-division level:</th>
</tr>
</thead>
</table>

### Dean’s Scholars Honors Program Requirements

| Introductory Honors Coursework: | UGS 303  |
| Thesis hours (6 hours): | NEU 379H  |
| Honors Math (Shown as part of the Breadth Requirement): | |
| Dean’s Scholars Breadth Requirement: | |

Credit by advanced placement may not be counted toward the breadth requirement for the degree.

- Honors Math (M408D AP-H or other honors math course):  
- Honors Biology: BIO 315H  
- BIO 325H  (meets Core Natural Science Part II requirement)
- Honors Chemistry: CH 301H  
- CH 302H  (meets Core Natural Science Part I requirement)
- One of the following: PHY 301 and 101L or PHY 316 and 116L:  

### Major Hours

Exceptions or substitutions to major hours are determined by the Biology Department’s representative to the Dean’s Scholars Steering Committee and are subject to the approval of the Director of the Dean’s Scholars Honors Program. Major hours must be taken for a letter grade.

- BIO 320 or BIO 344:  
- BIO 349:  
- BIO 370:  
- NEU 365R or 330:  
- NEU 335:  
- Six hours of upper-division Neuroscience, from approved list (see reverse):  
- Nine hours of laboratory courses, chosen from NEU 365L, 366L, 366P and 366S:  

### Additional Science Hours

- SDS 321, 325H, or 328M:  
- One of the following: PHY 315 and 115L, PHY 316 and 116L, 338K, 345, 355:  
- CH 204  
- *CH328M  
- CH 128K  
- *CH328N  
- CH 128L  
- *CH328M and CH328N must be the sections for Chemistry/Biochemistry Majors

### Elective Hours

- 6 additional hours must be taken from the College of Fine Arts or the College of Liberal Arts:  
- 8 elective hours as determined under the direction of a faculty member and subject to the approval of the Director of the Dean’s Scholars Honors Program.
Bachelor of Science in Neuroscience: Honors Option  
2014-16 Catalog (Expires August 2022)

<table>
<thead>
<tr>
<th>Total Hours and Residency Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum 120 total hours: ________</td>
</tr>
<tr>
<td>Minimum 60 hours in residence: ________</td>
</tr>
<tr>
<td>Minimum 36 upper-division hours: ________</td>
</tr>
<tr>
<td>Minimum 24 of last 30 hours must be in residence: ________</td>
</tr>
<tr>
<td>3.25 to remain in program, and 3.5 in residence GPA to graduate with degree: ________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dean’s Scholars Honors Neuroscience Degree</td>
</tr>
</tbody>
</table>

List of approved courses to fulfill 6 additional hours in Upper-Division Neuroscience

Requirement may be met by completing 6 hours from the following courses:

Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

Revised May 2014
Bachelor of Science in Nutrition: Honors Option  
2014-2016 Catalog (Expires August 2022)

### University Core Requirements

<table>
<thead>
<tr>
<th>First-Year Signature Course:</th>
<th>UGS 302 or 303</th>
</tr>
</thead>
</table>
| English: | RHE 306  
| Humanities: | E 316K  |
| American and Texas Government: | GOV 310L  
| American History: | 6 hours from approved list: |
| Social and Behavioral Science: | PSY 301, SOC 302, ANT 302, ECO 304K or ECO 304L  |
| Visual and Performing Arts: | 3 hrs from approved list: |
| Mathematics: | 3 hrs from approved list: |

**Note that no single course may be used to fulfill 2 core areas simultaneously, though in most cases students may satisfy both a core requirement and a major requirement with a single course. Courses that fulfill the core curriculum may be viewed at: [http://cns.utexas.edu/academics/degrees-majors/university-core](http://cns.utexas.edu/academics/degrees-majors/university-core)**

### Other General Education Requirements

#### Writing Flags
2 courses, including 1 at the upper-division level: __________

### Dean’s Scholars Honors Program Requirements

**Introductory Honors Coursework:** UGS 303  
RHE 309S-NSDS  
Honors Math (Shown as part of the Breadth Requirement)  

**Thesis hours (3 hours):** NTR 355H  
NTR 379H  

**Dean’s Scholars Breadth Requirement - Credit by advanced placement may not be counted**

- **Mathematics:** A calculus course____ and a statistics course ______ (one must be designated honors-level; meets Core Math requirement)
- **Biology:** BIO 315H  
BIO 325H  
(meets Core Natural Science Part I requirement)
- **Chemistry:** CH 301H  
CH 302H  
(meets Core Natural Sciences Part II requirement)
- **Honors-designated or approved Science coursework:** 3 additional hours in BIO, CH, M, SSC, CS or PHY _______

### Major Hours

NTR 312H  
NTR 312R  
NTR 338H  
NTR 342  

NTR 365 (Topic 1: Vitamins & Minerals; Topic 2: Nutrition and Genes; or Topic 4: Obesity and Metabolic Health): ______

10 hours Nutrition or related coursework approved by the departmental honors advisor____ _______ _______

### Additional Science Hours

NEU 365R  
BIO 365S  

CH 204  
CH 320M  
CH 320N  
BCH 369  

### Elective Hours

6 additional hours must be taken from the College of Fine Arts or the College of Liberal Arts: ______ ______

### Total Hours and Residency Requirements

- Minimum 120 total hours: ______
- Minimum 60 hours in residence: ______
- Minimum 36 upper-division hours: ______
- Minimum 24 of last 30 hours must be in residence: ______
- 3.25 to remain in program, and 3.5 in residence GPA to graduate with degree: ______

Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

*Revised May 2014*
# Bachelor of Science in Physics: Honors Option
## 2014-16 Catalog (Expires August 2022)

### University Core Curriculum

#### First-Year Signature Course:
- UGS 302 or 303

#### English:
- RHE 306

#### Humanities:
- E 316K

#### American and Texas Government:
- GOV 310L
- GOV 312L

#### American History:
- 6 hours from approved list:

#### Social and Behavioral Science:
- 3 hrs from approved list:

#### Visual and Performing Arts:
- 3 hrs from approved list:

#### Mathematics:
- 3 hrs from approved list:

#### Science and Technology, Parts I & II: (Shown as part of the Breadth Requirement)

Note that no single course may be used to fulfill 2 core areas simultaneously, though in most cases students may satisfy both a core requirement and a major requirement with a single course. Courses that fulfill the core curriculum may be viewed at:


### Other General Education Requirements

#### Writing Flags:
- 2 courses, including 1 at the upper-division level:

### Dean’s Scholars Honors Program Requirements

#### Introductory Honors Coursework:
- UGS 303
- RHE 309S-NSDS
- Honors Math (Shown as part of the Breadth Requirement)

#### Thesis hours (6 hours):
- PHY 370C
- PHY 379H

### Dean’s Scholars Breadth Requirement:

Credit by advanced placement may not be counted toward the breadth requirement for the degree.

- Honors Math: M 427K
- M 427L
- (at least one of which must be designated as an honors section)

- Honors Chemistry: CH 301H
- CH 302H
- (meets Core Natural Science Part I requirement)

- Honors Biology: BIO315H
- BIO 325H
- (meets Core Natural Science Part II requirement)

### Major Hours

Exceptions or substitutions to major hours are determined by the Physics Department’s representative to the Dean’s Scholars Steering Committee and are subject to the approval of the Director of the Dean’s Scholars Honors Program. Major hours must be taken for a letter grade.

- PHY 301
- PHY 101L
- PHY 316
- PHY 116L
- PHY 315
- PHY 115L
- M 340L
- M 361
- PHY 336K
- PHY 352K
- PHY 353L
- PHY 355
- PHY 373
- PHY 369
- PHY 362K
- PHY 362L
- PHY 474

### Elective Hours

6 additional hours must be taken from the College of Fine Arts or the College of Liberal Arts:

10 elective hours as determined under the direction of a faculty member and subject to the approval of the Director of the Dean’s Scholars Honors Program.

### Total Hours and Residency Requirements

- Minimum 120 total hours:
- Minimum 60 hours in residence:
- Minimum 36 upper-division hours:
- Minimum 24 of last 30 hours must be in residence:
- 3.25 to remain in program, and 3.5 in residence GPA to graduate with degree:

Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

Revised May 2014
## Bachelor of Science in Public Health: Honors Option

2014-16 Catalog (Expires August 2022)

### University Core Curriculum

#### First-Year Signature Course:
- UGS 302 or 303 _____

#### English:
- RHE 306 _____

#### Humanities:
- E 316K _____

#### American and Texas Government:
- GOV 310L _____
- GOV 312L _____

#### American History:
- 6 hours from approved list: _____ _____

#### Social and Behavioral Science:
- 3 hrs from approved list: _____

#### Visual and Performing Arts:
- 3 hrs from approved list: _____

#### Mathematics:
- 3 hrs from approved list: _____

#### Science and Technology, Parts I & II:
- (Shown as part of the Breadth Requirement)

Note that no single course may be used to fulfill 2 core areas simultaneously, though in most cases students may satisfy both a core requirement and a major requirement with a single course. Courses that fulfill the core curriculum may be viewed at:

http://cns.utexas.edu/academics/degrees-majors/university-core

### Other General Education Requirements

#### Writing Flags:
- 2 courses, including 1 at the upper-division level: _____ _____

### Dean’s Scholars Honors Program Requirements

#### Introductory Honors Coursework:
- UGS 303 _____
- RHE 309S-NSDS _____

#### Honors Math (Shown as part of the Breadth Requirement)
- Honors Math: (M408D AP-H or other honors math course): _____
- Honors Statistics: SSC 325H _____
- Honors Chemistry: CH 301H _____ CH 320M _____ (meets Core Natural Science Part I requirement)
- Honors Biology: BIO315H _____ BIO 325H (meets Core Natural Science Part II requirement)

### Foundation Courses with a grade of C- or better

#### Public Health:
- PBH 317 _____
- Microbiology: BIO 326M _____ BIO 226L _____

#### Nutrition and Physiology:
- NTR 312 or 312H _____ BIO 365S _____

#### Social and Behavioral Sciences: One of the following:
- ECO 304K, 304L; PSY 301; SOC 319, 354K; _____

#### Political Science/Government:
- GOV 358 or MAN 320F _____

### Public Health Core with Grades of C- or Better

#### Environmental Health Sciences:
- PBH 338 _____
- Epidemiology: PBH 354 _____
- Global Health: PBH 334 _____

#### Health Policy and Management:
- PBH 358D _____
- Social and Behavioral Sciences: PBH 368D _____

#### Additional Chemistry:
- CH 204 _____ CH 320M _____ BCH 369 _____

### Elective Hours

- 6 additional hours must be taken from the College of Fine Arts or the College of Liberal Arts: _____ _____

9 elective hours as determined under the direction of a faculty member and subject to the approval of the Director of the Dean’s Scholars Honors Program.

### Total Hours and Residency Requirements

- Minimum 120 total hours: _____
- Minimum 60 hours in residence: _____
- Minimum 36 upper-division hours: _____
- Minimum 24 of last 30 hours must be in residence: _____
- 2.25 to remain in program, and 3.5 in residence GPA to graduate with degree: _____

Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

*Revised May 2014*
COLLEGE OF NATURAL SCIENCES

DEAN’S SCHOLARS HONORS OPTION

PETITION FOR ELECTIVE HOURS REQUIREMENT

Date ___________________

Name _______________________________________ Student EID ________________

Last   First

Major that these electives apply to: ___________________________________________

Please list all of the proposed courses requested for completion of the elective hours requirement of the Dean’s Scholars Honors Option Degree:

Six Hours from the College of Fine Arts or the College of Liberal Arts

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

Additional remaining hours (determined under the direction of a faculty member and subject to approval of the Director of the Dean’s Scholars Honors Program)

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

Please provide rationale for these courses, including an explanation of the theme of your elective hours, and how it relates to your major and degree:

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

The Director of Dean’s Scholars and the Dean’s Scholars’ faculty advisor for your major department must approve this petition. You must obtain all signatures and return the completed form to PAI 5.60.

-----------------------------------------------------------------------------------------------------------

Approvals

Dept. Faculty Advisor ____________________________ Date______________

Director of Dean’s Scholars ____________________________ Date______________
STUDENT STATEMENT ON ACADEMIC INTEGRITY

Dean's Scholars Honors students are expected to maintain the highest standards of academic integrity in every aspect of their work at the University.

By signing this statement, a Dean's Scholars Honors student takes responsibility for knowing the University of Texas policy on academic integrity and for following it carefully.

The student should read the document titled Academic Integrity at the University of Texas at Austin, a publication of Student Judicial Services in the Dean of Students Office. The document is available online:

http://deanofstudents.utexas.edu/sjs/acint_student.php

The following explanation of plagiarism should be understood as a general guide:

Three different acts are considered plagiarism:
1) failing to cite quotations, facts that are not common or personal knowledge, or borrowed ideas;
2) failing to enclose borrowed language in quotation marks, and
3) failing to summarize and paraphrase in the student's own words. It is not enough to name the source and vary the language slightly by plugging in synonyms; students must restate the source's meaning in their own language and style.

Penalties for academic dishonesty include failing grades, disciplinary probation, suspension, and expulsion.

I have read and understood this statement, and if I ever need further clarification on any question of academic honesty I will seek help from faculty or from Dean's Scholars Honors advisors.

Student name (please print): ________________________________

Student signature: ________________________________

Date: ________________________________

HONOR CODE

“The core values of The University of Texas at Austin are learning, discovery, freedom, leadership, individual opportunity, and responsibility. Each member of the university is expected to uphold these values through integrity, honesty, trust, fairness, and respect toward peers and community.”

The code above was created by University of Texas at Austin students, staff, and faculty and was adopted by the university in 2004.