



G.H.I.E.

Graduation With Honors In Engineering

Information Packet about the Graduation
With Honors In Engineering Program at
The Ohio State University:

- program information
- eligibility requirements
- application process

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GHIE Application: <http://engineering.osu.edu/currentstudents/honors.php>



GRADUATION WITH HONORS IN ENGINEERING

The College of Engineering offers outstanding students several ways of distinguishing themselves including designation as an Honors student, Latin Honors, Graduation with Distinction in their field of study, and Graduation with Honors in Engineering. This packet and application includes information on the Graduation With Honors in Engineering (GHIE) Program.

As an Honors engineering student, you may participate in the Graduation with Honors in Engineering (GHIE) program:

- To support and challenge yourself with access to more advanced levels of study,
- To enable your creativity,
- To cultivate a sustaining interest in advanced education and research,
- To enhance your professional development, and
- To provide opportunities for you to gain recognition at the time of graduation for advanced, distinguished work as an undergraduate via the designation of “With Honors In Engineering” on your diploma and transcript.

Once you are enrolled in this program, you will be advised by a team. Members of this team will include your Departmental Advisor, the College Honors Advisor, and a Faculty Mentor.

FACULTY MENTOR

If your GHIE plans include a research component (e.g. senior Honors thesis), you will select, or be assigned, a faculty mentor in the area of your specialization. For students writing an Honors thesis, this faculty mentor can be the person who is advising you on your Honors thesis research towards achieving Graduation with Distinction. If you change your area of specialization or area of research, you may petition for a change in faculty mentor, provided that the new mentor agrees to help you toward achieving the goals established in your application to the GHIE program.

HONORS ADVISING

Honors advising provided by the College of Engineering is key to your success in this program. The College Honors Advisor and the Departmental Advisors in your degree program are available to assist you in determining the choice of Honors courses that will lead to a challenging and meaningful academic experience. Advising expertise includes special areas such as combining pre-med or pre-law courses and entrance examinations with engineering curricula, combining major and minor area programs, and combining multiple bachelor degree programs—e.g., a bachelor’s degree in an engineering field with a bachelor’s degree in mathematics or business administration. The College Honors Advisor will coordinate your curriculum with the Departmental Advisors within the College of Engineering and in other colleges as applicable. Departmental Advisors will help you find a faculty mentor within your degree program in engineering.

Engineering College Honors Advising Office

244 Hitchcock Hall

2070 Neil Avenue

614-292-7923 (call for appointment)

GHIE Application: <http://engineering.osu.edu/currentstudents/honors.php>

HONORS/GHIE ELIGIBILITY

The eligibility requirements for applying/maintaining Honors status, and applying for the Graduation With Honors in Engineering program, are as follows:

All Honors students in the College of Engineering are eligible to apply for the program:

- Students can either be admitted as Honors students, or earn Honors status by completing 24 credit hours of graded OSU coursework and earning an OSU CPHR (Cumulative Point-Hour Ratio) of 3.4 or higher.
- Students who lose Honors status may regain it by raising their CPHR to 3.4 or higher.
- To activate your Honors status, contact your current academic advisor.

Maintaining Honors status and Applying for GHIE:

- Rank 1 Students = Earn a 3.4 CPHR at the end of Spring Quarter, or earn a 3.3 CPHR at the end of Spring Quarter and a 3.4 CPHR at the end of the following Autumn Quarter.
- Rank 2 Students = Earn a 3.4 CPHR at the end of Spring Quarter
- Rank 3 Students = Earn a 3.4 CPHR, and submit a initial plan via the GHIE Application at the end of Spring Quarter
- Rank 4 (Graduating Students) = Earn a final CPHR of 3.4, and submit a finalized plan for certification via the GHIE Application two quarters prior to graduation, no later than the first Friday of your final quarter of enrollment.

BENCHMARKS: PLANNING YOUR GHIE PROGRAM

The GHIE Program is designed to recognize undergraduate students who complete a rigorous, well-rounded portfolio of experiences, both inside and outside the classroom, in order to enhance their Bachelor of Science degree in their desired field of Engineering. As such, the GHIE Program requires careful planning throughout your entire college experience to ensure that you attain experiences that develop your skills in academic coursework, investigational studies, and community leadership. You will need to determine how you will incorporate the components of your GHIE experience during your entire time at OSU. While each student's GHIE plan will be specialized for his or her personal goals, interests, and past accomplishments, here are some general benchmarks to consider:

FIRST YEAR:

- Begin enrolling in Honors and upper-division coursework as soon as you are an Honors student. Focus on Honors versions of the College Core courses (Calculus, Chemistry, Physics, Engineering) and General Education Curriculum.
- Explore the various student organizations, project teams, honoraries, professional organizations, and volunteer groups to ascertain which programs interest you. Start getting involved!
- If intending to study abroad, work with your Academic Advisor to plan the coursework you will take as part of that experience and which quarter fits best with your program's course offerings. Talk with a Study Abroad Advisor about the programs available through the Office of International Education.
- At the end of Spring Quarter, maintain either a 3.4 CPHR, or a 3.3 CPHR and attain a 3.4 CPHR at the end of the following Autumn Quarter.

SECOND/THIRD YEARS:

- Continue to complete Honors and upper-division coursework within the College Core coursework and General Education Curriculum.
- Participate in the student organizations you have selected, and start identifying leadership opportunities.
- Complete admission to major coursework requirements of your major of interest, and begin major coursework.
- Explore your interests and determine if you would like to pursue a Senior Honors Thesis, research publications/internships, a second major/degree, a minor, or other academic pursuits
- Maintain a CPHR of at least a 3.4 or higher by the end of each Spring Quarter.
- Determine your estimated quarter of graduation, and submit your initial plan via the GHIE Application to the College Honors Advisor at the end of your second year/beginning of your third year. (No later than three quarters in advance of graduation.)
- Begin collecting verification items for any components you complete each year.

FINAL YEAR:

- Review your GHIE Application regularly and complete the remaining components.
- During the quarter prior to your final quarter of enrollment, submit a finalized plan via the GHIE Application to the College Honors Advisor, along with verification items of your completed components. (No later than the first Friday of your final quarter of enrollment.)
- Graduate with an OSU CPHR of at least a 3.4 or higher.

GHIE APPLICATION PROCESS

Students submit two applications for Graduation With Honors In Engineering: an initial application, outlining the components they plan to complete during their college career, and a finalized application, submitted closer to graduation for certification purposes. Students are strongly encouraged to keep personal copies of their applications, as well as copies of verification items, for ease of resubmission at the time of graduation

Students can download a copy of the GHIE Application at this site: <http://engineering.osu.edu/currentstudents/honors.php>

GHIE APPLICATION – INITIAL SUBMISSION

Submitted to the College Honors Advisor during your second or third year (prior to your final three quarters of enrollment before graduation, at the latest), the initial submission of the GHIE Application communicates the components you have already completed, or plan to complete, to fulfill the GHIE requirements. Through this submission, the College Honors Advisor will review your planned components to verify that they will fulfill the GHIE program requirements, or offer recommendations for revisions. You will receive an email outlining your plan's status and any adjustments you should consider or verifications you will need to submit.

You are strongly encouraged to maintain a personal GHIE Application throughout your first two years and to meet regularly with the College Honors Advisor or your Departmental Advisor to ensure your plans will meet the criteria of the program.

REVISIONS TO GHIE PLAN

Approved plans may be revised, as long as they continue to meet the stated requirements. You must submit significant revisions to the College Honors Advisor via the GHIE application (mark application as “plan revision submission”) and a letter of explanation for the need for revision. Revisions will be reviewed by the College Honors Advisor to ensure that the student's new GHIE Application meets the program criteria.

VERIFICATION ITEMS

Gather verifications as you complete components. These will need to be attached to the final submission of your GHIE Application. The College Honors Advisor will use these to certify your program for graduation. (The coursework and senior Honors thesis components do not require verification: the College Honors Advisor can access this information via the Student Information System.)

Verifications for work/extracurricular experiences typically require a signed letter from a faculty/staff member/supervisor who can verify your experience and individual role, along with his/her contact information or business card.

Here are some other examples of verification items:

- Signed letter from a faculty/staff advisor, verifying your leadership role in a student organization and the year(s) in which you held it,
- Signed minor form from minor program advisor, listing courses counting toward your minor program,
- Copy of a final presentation from your research-based internship or co-op, along with a description of your position and responsibilities,
- Copy of a professional conference agenda, listing your presentation time and topic,
- Copy of the title page of your research paper that was published.
- Print-out of the completed Degree Audit, or a signed curriculum program sheet for a second major.

GHIE APPLICATION – FINAL SUBMISSION

Submitted to the College Honors Advisor two quarters prior to your graduation date (no later than the first Friday of your last quarter of enrollment), this submission of the GHIE Application captures the finalized version of your GHIE components and certifies the designation for graduation. It should include:

- A final copy of the GHIE Application, and
- Verification items for any components you have already completed.

For leadership/service components you plan to complete during your final quarter of enrollment, the verification items can be done informally during the quarter by having the faculty/staff advisor email the College Honors Advisor directly.

A note on timing: keep in mind that your GHIE Certification cannot be completed until all of your components have been finished. If you have any items that won't be completed until your final grades from your last quarter are posted (e.g. minors, second majors), this may make it impossible for your designation to be printed in the Commencement programs. However, the College Office Graduation Coordinator will make sure that your diploma will have the designation “With Honors In Engineering” printed in time for the Commencement ceremony, or the OSU Office of Special Events will print a corrected diploma for you.

DEVELOPING YOUR PROGRAM

The purpose of the GHIE program is to guide students toward opportunities which enrich their college experiences and expand their development as leaders, scholars, and engineers. Each student's GHIE program can be tailored to meet his/her academic, career, and personal goals. However, to ensure students develop programs with the appropriate amount of breadth across all three enrichment areas (academics, investigational studies, leadership/service), minimum point levels have been established for each schedule, as well as an overall minimum of eighty (80) points total. The prudent student will plan for more than the minimum points for added flexibility.

DIFFERENTIATION OF EXPERIENCES

In general, students can apply points from an experience to only one component of their GHIE plan.

For example, if a student decides to earn points in Schedule B for completing a Senior Honors Thesis, he cannot also earn points in Schedule A for the honors research courses he completed while working toward the Senior Honors Thesis.

Students who plan on utilizing a singular experience toward multiple areas in their GHIE plan should consult early on with a College Honors Advisor to determine if their plan will be approved.

COMPONENT OPTIONS

SCHEDULE A: HONORS & GRADUATE COURSEWORK

Point Minimum	20	Point Maximum	60
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Description

Through the expanded learning experiences incorporated into Honors, Upper-Level, and/or Graduate coursework, students can develop agile scholastic abilities and cultivate an appreciation for lifelong learning.

Students may earn points by any of the following coursework options:

- Honors courses, including FEH Mathematics and Physics sequences, and Engineering 695
- Engineering 695
- Upper division courses (500-level or above) not required for your degree program,
- Graduate-credit courses taken while an undergraduate student.

Students earn a point for every unit (credit hour) of coursework.

Additional Criteria:

- Starting Autumn Quarter 2006: Students who are admitted to The Ohio State University as an Honors student must also complete the University Honors requirement of at least six honors/upper division/graduate courses. (Students who are not directly admitted as Honors student, but earn Honors status after entering The Ohio State University, do not need to complete the six course requirement, but must still meet the Schedule A 20 point minimum.)
- Honors courses taken as part of the Honors thesis cannot be counted in Schedule A.
- Engineering Honors Survey (100.14H) cannot be counted in Schedule A.
- Upper division coursework taken as part of a second major or minor that is claimed for points in Schedule B cannot also be claimed in Schedule A.
- A listing of the Honors courses offered for the current quarter and a sample list of the Honors courses typically offered each year can be found at the Honors and Scholars website: http://honors.osu.edu/honors_courses.html
- Honors students are encouraged to take a significant portion of their General Education and College Core coursework at the Honors or upper division level, in order to capitalize on the enriched learning experiences incorporated into the design of these courses.

SCHEDULE B: INVESTIGATIONAL STUDIES

Point Minimum	30	Point Maximum	60
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Description

By expanding their college portfolio to include experiences in research, external disciplines, and cultures, students can develop a sophisticated, nuanced conception of the world in which they live.

Students may earn points by any of the following options:

- Honors Thesis (30)
- Second Major (30)
- Minor in a non-engineering field (30)
- Minor in an engineering field (20)
- Quarter of Study Abroad Experience (20)
- Research-focused internship or co-op experience (10 per quarter, maximum 20)
- Publication of research paper in a refereed journal; research related to Honors Thesis (10)
- Publication of research paper in a refereed journal; research not related to Honors Thesis (20)
- Presentation of research study at the Denman Undergraduate Research Forum or a meeting of a professional society (10)
- Other, as approved by the College of Engineering Undergraduate Honors Committee (10-20)

Additional Criteria:

- Honors Thesis cannot be counted in Schedule B if student claims Honors research coursework in Schedule A.
- For research-focused internships or co-ops, students must actively participate in the research process and analysis of results.
- For second major/minor, students must progress simultaneously through this program and their Engineering curriculum, and the second major/minor must be finished at the time of completion of the Engineering degree.
- Information on Study Abroad programs at OSU can be found at: www.oie.osu.edu
- Information on Undergraduate Research/Honors Thesis programs can be found at www.engineering.osu.edu/ugresearch

SCHEDULE C: LEADERSHIP & SERVICE

Point Minimum	10	Point Maximum	30
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Description

Students can select to participate in leadership opportunities and co-curricular service programs at the university, college, and program levels. In addition, professional and honorary societies exist in each of the major areas within the College of Engineering. These societies promote scholarship, leadership, and fellowship while providing a chance for students to be an integral part of the university's engineering community.

Students may earn points by any of the following options:

- Leadership role on a College of Engineering student project team (5 points / year, max 10 points)
- Officer role in a student organization (5 points / year, max 10 points)
- Officer role in college or university honorary society (5 points / year, max 10 points)
- Member of departmental, college, or university committee (5 points / year, max 10 points)
- Volunteer service (1 point / 10 hours of service, max 10 points)
- Other as approved by the College of Engineering Undergraduate Honors Committee (1 – 10 points)

Additional Criteria:

- For verification purposes, volunteer service must be performed through an established organization (i.e. United Way, Engineers for Career Service).
- Leadership must be verified by the organization's faculty or staff advisor.
- Sample Directories of Student Organizations:
 - Engineering Student Project Teams: <http://engineering.osu.edu/studentprojects/index.php>
 - Engineering Honorary Societies: <http://engineering.osu.edu/currentstudents/honorsocieties.php>
 - OSU Student Organizations: http://ohiounion.osu.edu/get_involved/student_organizations/directory
 - Volunteer Opportunities: <http://payitforward.osu.edu/>

