

## ENTC 399 – High Impact Experience (HIE)

### WHY HIE?

At Texas A&M University, we are committed to making our Aggie engineers the most sought-after candidates in the workforce. This requires going beyond the core curriculum in engineering to provide you with skills and experiences that will enhance your engineering degree and thus make you more attractive to employers. Colleges and universities nationwide, together with employers and entrepreneurs, have studied and recognized a great need to broaden students' college experience to better prepare them for their professional lives – The ENGR High Impact Experience is our solution.

### HOW HIE?

All College of Engineering students in the Fall 2017 catalog and later must complete a High Impact Experience in order to graduate. Unlike a traditional course, this is a three-step process.

1. First, you will need to get your experience approved using the form at this [LINK](#).
2. Then, you will complete an approved High Impact Experience on your own.
3. Lastly, you will register for the 0-credit hour ENTC 399 and complete the requirements for that course.

Once those steps have been satisfactorily met, your degree audit will reflect completion of the required High Impact Experience. The timeline for ensuring this experience is completed in time to graduate includes:

- Identifying a High Impact Experience (options are listed below). If you have questions about whether a High Impact Experience will count, ASK AN ETID ADVISOR before completing it!
- Have your experience approved. This must be completed before the start of the experience! You can find the links to the forms at [etid.tamu.edu](http://etid.tamu.edu) under [Academic Forms](#).
- Complete the High Impact Experience. The experience must be completed by the second semester of your ETID Capstone coursework sequence.
- Register for ENTC 399 (0 credit hours). Your experience must be completed no later than two weeks before the end of the semester in which you register for ENTC 399, but it can be completed sooner. While ENTC 399 is a 0 credit hour course, you MUST:
  - Complete a two-page self-reflection for the course (see the course syllabus).
  - Turn in the two-page self-reflection by the date assigned vis Canvas.
- If you have completed an approved High Impact Experience prior to joining the ETID department, please visit with an ETID advisor on how to proceed.
- Only once you have completed the High Impact Experience & ENTC 399 with a passing grade, will you be able to graduate.

## Approved High Impact Experiences List

All experiences MUST be approved by filling out the form at the following [LINK](#).

#	Experiences	Description	Proof of completion
1	<b>Internship or Co-Op Experience</b>	A paid or unpaid internship with a company doing work that is related to your major. Must be six weeks or more in duration, full-time effort, and taken either during the summer, fall, or spring while you are a student in ETID. Alternatively, a co-op experience where you register for an ENGR 385 course while working for the company will qualify.	A signed letter from your immediate supervisor with a short description of the internship/co-op, start/end date, number of hours per week, and evaluation.
2	<b>Undergraduate Research</b>	Students must engage in research that pertains to their major with a chosen professor. In order to earn credit for your High Impact Experience requirement, you must complete 1 hour or more of 491 coursework with a grade of C or better and be able to furnish a letter of reference from the professor who supervised your research. Research with the College of Engineering faculty is recommended. If you are researching with faculty outside of the College of Engineering, your project will be reviewed for relevance to your major and level of rigor and may not be approved.	An unofficial transcript indicating that you successfully completed a minimum of one hour of 491 credit and a reference letter from your faculty supervisor.
3	<b>Study Abroad Courses and Experiences</b>	An international travel and study abroad course related to your major. The experience must be two weeks or more in duration and offered through ETID or the College of Engineering. Must be for Texas A&M University course credit of one or more hours.	An unofficial transcript showing the study abroad course with a grade of C or better.
4	<b>Talent Incubator</b>	Participation and successful completion of at least one semester of the Talent Incubator experience offered through the Industrial Distribution program. The Talent Incubator Program (TIP) is nine months long and culminates with a presentation to the company at the end of the program.	A letter from the Talent Incubator Manager confirming completion of a minimum of one semester of meaningful activity in TIP.
5	<b>TAMU Minor or Certificate Program</b>	Students must complete any minor or certificate program offered and recognized by Texas A&M University. Students may choose any valid TAMU minor or certificate program. The coursework for the minor or certificate needs to be completed before your expected graduation date for this to	A degree evaluation that indicates successful completion of all minor or certificate requirements (or an evaluation showing you are in the rest of your courses

		count as your High Impact Experience. In addition, the minor or certificate must include at least six hours of coursework that is not included in coursework being used towards your degree.	needed for the minor).
6	<b>Student Research Worker</b>	Students who are hired to work for a faculty or staff member on the TAMU campus. The work must be related to your degree and must be research/development/teaching/training in nature. Administrative and/or office work will not satisfy this requirement. Examples of activities that might be approved include working as a paid undergraduate researcher, working on the development of technical training materials, having the responsibility of delivering a STEM workshop, etc. This activity must be at least one semester and no less than ten hours/week in duration. Research for a project that is required for a course can not be used for the High Impact Experience.	A reference letter from your faculty supervisor indicating that you spent no less than one semester at 10 hours/week of effort and that your efforts were satisfactory.
7	<b>Leadership in Student Organizations</b>	Student must be in a Texas A&M University recognized officer position (ETID organization leadership is preferred). Leadership in organizations outside of ETID, and especially outside of the College of Engineering will be reviewed for relevance to your major and level of impact, and may not be approved.	A reference letter from the faculty advisor of the organization indicating that you completed a minimum of one semester in an officer position. The letter must indicate the value you contributed to the organization.
8	<b>Corp of Cadets Membership</b>	Must be enrolled in one of the corps of cadets units, Aggie Band, ROTC-Air Force, ROTC-Army, or ROTC Navy/Marine.	Must have successfully registered and completed 3 credit hours of SOMS/band, NVSC, MLSC, or AERS sections.
9	<b>AggiE_Challenge</b>	The program provides engineering undergraduates with opportunities to engage in multidisciplinary team projects addressing elements of some of the most important engineering challenges. A student is required to take a total of 3 hours of courses that contribute to the Aggie Challenge. For more information about Aggie Challenge, visit this <a href="#">LINK</a> .	An unofficial transcript showing at appropriate ENGR 491 coursework (>= 3 hours) with a grade of C or better.
10	<b>Honors Program</b>	Students will participate in the University, College, or Departmental Honors Programs and complete no less than twelve hours of honors	An unofficial transcript showing at least twelve hours of honors coursework with a grade of C or better.

		<p>coursework. More information on these programs can be found at this <a href="#">LINK</a>.</p> <p>Students must complete at least twelve hours of honors coursework prior to the second semester of their senior year.</p>	
<b>11</b>	<b>Startup Aggieland</b>	<p>Startup Aggieland is a globally recognized, award-winning, job creation program disguised as a multidisciplinary business accelerator. Students are required to show proof of completion of their Startup Aggieland project to earn credit for their High Impact Experience requirement.</p>	<p>A letter from Startup Aggieland confirming that you completed a minimum of one semester of meaningful activity towards a startup in their incubator.</p>
<b>12</b>	<b>Engineering or Business Competitions</b>	<p>Students must receive pre-approval from their program coordinator or faculty advisor. The student must have placed first, second, or third in the competition.</p>	<p>A letter or certificate indicating that you have won 1st, 2nd, or 3rd place in the competition.</p>
<b>13</b>	<b>Grand Challenge Scholars Program</b>	<p>A 3-year program beginning in sophomore year. Students meet with a Grand Challenge Faculty Mentor to build a custom curriculum that meets the five GCSP components: Research, Interdisciplinary, Entrepreneurship, Global Perspective, and Service Learning. Students will engage in research and complete a thesis, as well as serving as GCSP Ambassadors. Students will present their research at the Annual Spring Symposium. Detailed information can be found at this <a href="#">LINK</a>.</p>	<p>Certificate of completion of the program or a letter from the honors office stating that you are on track after their first two years requirements</p>
<b>14</b>	<b>Other Experiences</b>	<p>If you would like to propose a High Impact Experience that is not listed above, you may submit a one-page proposal via the approval form that describes the experience, indicates the number of hours of effort, lists a start and end date, and proposes how you will prove successful completion at the end of the experience. This will then be reviewed by the faculty member responsible for ENTC 399 as well as the appropriate program coordinator.</p> <p>APPROVAL FOR A PROPOSED EXPERIENCE MUST BE RECEIVED PRIOR TO THE START DATE OF THE EXPERIENCE, OR IT WILL NOT BE COUNTED.</p>	<p>As proposed by the student.</p>