



## HONORS COLLEGE Program Pathways For INTERDISCIPLINARY ENGINEERING STUDIES (IDES) & MULTIDISCIPLINARY ENGINEERING (MDE)

IDES/MDE offers flexible options for Honors students in the College of Engineering to achieve their academic goal and professional development objectives. This can be expressed in the following ways:

- **First-Year:** Our program fully documents and recognizes the optional honors pathway in FYE (i.e. ENGR161/162).
- **If a student is part of the Honors College, they can self-select** if they meet the selection criteria:
  - GPA of 3.60 or higher each semester to remain in IDES or MDE Honors Programs (Note: required GPA for enrollment is determined by the Honors College and may change each year.)
  - Minimum of 24 honors points to graduate with honors designation; 1 course credit = 1 point
- **Sophomore year:** We accept engineering credits from all engineering disciplines. Many of the core engineering requirements are the same for MDE as many other engineering disciplines (dynamics, statics, mechanics, ECE201...). Honors courses exist within the core engineering offering for students to take in this year of their academic progression (i.e. ME270H, ECE201H, etc.).
- **Junior year:** Once beyond the core engineering requirements (sophomore year), students are often encouraged and excited to consider access to research, and proactively find it within ENE, and outside ENE (ME, CVL, BME, etc.).

A minimum of 3 credits and up to 6 credits of research from any engineering discipline is allowable in MDE. Only 3 credits of engineering research may count towards a plan of study in the ENGR category total. A maximum of 6 additional credits for MDE plans of study, and maximum of 3 additional credits for IDES plans of study may be counted and used in "Area".

- No more than 5 points will be awarded for any combination of the following:
  - Summer Undergraduate Research Fellowship (SURF) – 3 points
  - NSF Research Experience for Undergraduates (REU) – 3 points
  - Louis Stokes Alliance for Minority Participation (LSAMP) program – 3 points
  - Discovery Undergraduate Research Internship (DURI) program – 3 points
  - Undergraduate Research in any engineering discipline, e.g., ENE 498, or undergraduate research (approved in advance by Director of IDES/MDE program) in any discipline related to the student's concentration – variable credit; 4 points maximum; note that undergraduate students may receive hourly payment or course credit for research, **not both**. Credits



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earned for research will count towards graduation. Regardless of the arrangement, Honors points may be awarded.

- 3 points maximum for Honors experiential points. These experiential points may be obtained for activities including Study Abroad, Co-op and Internship sessions. For Co-op/Internships, 1 point may be awarded each session, and a specific Honors Internship contract will be required.
- Active participation in at least one *non-academic or extra-curricular* activity required each year

2) Possible venues for the public presentation include the SURF poster session, a planned “Scholars Day” to be hosted by the College of Engineering Honors Program, and technical conferences.

- **Senior year:** Seniors often “save” some of their senior year for taking “area electives” or study abroad. They have 5 area courses, which could be from engineering or non-engineering academic units. Honors courses from across campus (inside or outside of Engineering) can be used for these credits. We also allow students to use 500 level coursework on their concentrations/plans.

### Honors Contracts

Beyond this flexible approach, the program is open to developing Honors Contracts with students. A student who may be interested in developing an honors contract within an established IDES/MDE lead course **must contact their academic advisor no less than 1 semester prior** to desiring to register for the prospective course.

In addition, **it is the student’s responsibility to discuss their desire for an Honors Contract with the prospective course instructor no less than 2 months prior** to the start of the term, to establish and finalize the essential elements, learning outcomes, and deliverables. Contacting an instructor does not necessarily mean an honors contract can be developed for that course.

### **General policy guidelines and requirements:**

- All Honors points accumulated through First Year Engineering Honors and through any Purdue-West Lafayette Engineering Honors Program count towards IDES and MDE Honors.
- Points can be obtained for any “Honors” course on campus (i.e., course with “Honors” in the title and/or a section number that begins with an “H”; for example, Intro Sociology – Honors – SOC 10000 – Section H01).
- A bonus point *may be awarded* for specific “strategic” courses to be offered by the College of Engineering.
- Once available, two **1-credit Honors seminars, one each in the sophomore and junior year**, respectively, will be required. These Honors seminars will be offered through the College of Engineering.
- **9 points must come from engineering course work** [i.e. Honors-contracted and 500-level courses in Engineering at Purdue West Lafayette].

Formal Doc: Last modified 11/29/2011 Updated 11/17/2017: Details on honors contract effective Fall 2017

