FOR INFORMATION ON THE COLLEGE OF ENGINEERING AND ITS UNDERGRADUATE PROGRAMS, CONTACT:

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**Degree Programs**

The College of Engineering offers ABET accredited Bachelors Degree Programs in six fields:

- Chemical Engineering
- Civil Engineering
- Electrical Engineering
  - Computer Option available
- Industrial Engineering
  - Manufacturing Option available
  - Production Management Leadership Program available
- Mechanical Engineering
- Engineering Technology

Students in the College of Engineering must satisfy the requirements of their major program along with the General Education requirements of the University. Engineering Technology students are governed by policies established by the Division of Engineering Technology. Students interested in Engineering Technology, a 2 + 2 degree program, should consult with the ET advisor for more information.

**Admission to the College of Engineering**

Students may apply to the College of Engineering through the University Admissions Office. Applications will be considered for transfer students who have completed at least 12 credits of college coursework and the equivalent of MAT 1800. Students are expected to have a broad background in math and science, including at least the following from either high school or college:

- Advanced Algebra
- Pre-Calculus (Trigonometry and Functions)
- Chemistry
- Physics
- English

Upon admission to the College of Engineering, transfer students will be placed in the Pre-Professional or Professional Program of their choice, according to their academic background. Students who do not meet the minimum requirements for placement into the Pre-Professional Program should contact the Associate Dean for Academic Affairs regarding the Engineering Bridge Program and other options.

**Transfer Credit**

The equivalency of courses taken at other institutions to Wayne State courses is determined by the department offering the class at WSU. If courses have previously been assessed for transfer, their equivalency is documented in tables available at www.transfercredit.wayne.edu. Once you have been admitted to the College of Engineering, please make an appointment to discuss your transfer record with your academic advisor. It is the right of the College of Engineering and its departments to determine the equivalency of engineering courses. Many departments will not allow transfer credit for 4000- and 5000-level engineering courses. **Please Note:** The College of Engineering will not accept any grade lower than a C for transfer credit.

**Pre-Professional Programs**

The first leg of the required Engineering curriculum is the Pre-Professional Program. Transfer students will be admitted to the Pre-Professional Program if they meet all of the following requirements:

- Minimum of 12 credits earned at the college level
- 2.5 overall GPA, 3.0 in math and science
- Placement into MAT 1800, CHM 1225, and ENG 1020 or above

In the Pre-Professional Program, students complete their math and science courses and their introductory (1000- and 2000-level) engineering courses. Once these requirements have been met, students move into the Professional program of their identified major in order to complete their advanced engineering courses.

**Professional Programs**

The Professional Programs are the final leg of a student’s undergraduate engineering education. Transfer students who have completed their math and science core program may be admitted directly to the Professional Program based on their college record. These students must meet all of the following qualifications:

- 3.0 GPA – overall as well as in math and science
- Completion of the equivalent to MAT 2010, MAT 2020, MAT 2030, PHY 2175, PHY 2185, CHM 1225, and CHM 1230 with no grade lower than a C

Students directly admitted to the Professional Program must have an identified major. Direct admission to the Professional Program does not change the degree requirements. Within the Professional Program, students complete their 3000-, 4000-, and 5000-level engineering coursework as well as any lower level engineering courses that they may not have already taken.

**Honors Programs and AGRADE**

Students who qualify for the University Honors Program are encouraged to pursue this option as they complete their engineering program. Many of the required courses for engineering students – including English, calculus, and biology – can be taken for Honors credit. In addition, Honors-Option can be elected for engineering courses in order to satisfy a portion of the 24 required credits for University Honors.

Students interested in earning Engineering Honors in addition to University Honors should meet with the Associate Dean for Academic Affairs to plan their curriculum. This requires taking a minimum of 12 of the 24 credits in Honors-designated courses within Engineering, as well as conducting the required Honors Thesis within the College.

Students who excel in their undergraduate program may apply in their junior year to the AGRADE program. This program allows students to earn an MS degree in their major field, or a related engineering discipline, through the completion of 16 credits in addition to their BS requirements. This additional work is typically completed in one year, instead of the two years generally spent on an MS degree. In addition, the AGRADE program saves students a significant portion of the tuition costs associated with their graduate work.