

# Requirements for the Bachelor of Science in Civil Engineering Degree

The High School Preparation program is based upon an expectation of adequate high school preparation in science, mathematics, and English. High school courses should include algebra, plane geometry, trigonometry, and chemistry or physics (both desirable), and 4 years of English. Beginning engineering students must take the Entry Level Mathematics Test (ELM) and the Mathematics Placement Test (MPT), Chemistry Placement Test (CPT), and English Placement Test (EPT) before registration in basic courses will be permitted.

Required test scores are presented below:

1. ELM (Entry Level Mathematics) A passing score is required to earn college credit for mathematics. Students are exempt from this exam if they score 550 or above on the SAT, 23 or above on the enhanced ACT, or a 3, 4, or 5 on the AP (Advanced Placement) Calculus AB or BC.
2. MPT (Mathematics Placement Test) is required to enroll in MATH 150A. Students with scores of 3, 4, or 5 on the AP Calculus AB or BC are eligible for MATH 150B and exempt from the MPT.
3. CPT (Chemistry Placement Test) a minimum score of 40 is required to enroll in CHEM 101. All students who had high school chemistry and expect to enroll in CHEM 101 must take this test regardless of score on the AP Chemistry exam.
4. EPT (English Placement Test) a score of 151 or above is required to enroll in ENGL 155. Students with scores of 3, 4, or 5 on AP English Language and Composition receive college credit for ENGL 155, and a score of 3, 4, or 5 on the AP English Literature and Composition receive credit for ENGL 155 and 255.

Students are referred to Appendix A of this Catalog for rules and regulations as to earned college credit. Students who have not had an adequate background of pre-engineering work in high school may be required to take some additional work in their first year and may not be able to complete an engineering program in eight semesters.

## Special Grade Requirements

1. All students must pass the English Placement Test with a score of 151 or higher before enrolling in 200-level engineering courses.
2. All students must complete the Lower Division Writing Requirement before enrolling in 300-level engineering courses.
3. All students must attempt the Upper Division Writing Proficiency Exam before enrolling in 400-level engineering courses.
4. Grade of C- or better is required in all courses in the major.
5. Senior level courses cannot be taken unless the student has previously completed, or is concurrently completing, all freshman, sophomore, and junior level core requirements.