ENGINEERING FIRST-YEAR REQUIREMENTS

Students who are recent high school graduates or who are entering a university after graduating from high school are classified as first-year students and must meet common engineering program requirements. Such credit requirements may be met in a number of ways, including:

1. Advanced college-level course work at the University of Dayton or other collegiate institutions,
3. Departmental examinations during the first term, or
4. Taking the prescribed courses as part of the first year.

Required First-Year Program

CHM 123 General Chemistry 3 3
CMM 100 Principles of Oral Communication 3
EGR 102 Introduction to the University Experience for Engineers 1 0
EGR 103 Engineering Innovation 2
EGR 150 Enrichment Workshop I 0
ENG 100 & ENG 200 Writing Seminar I and Writing Seminar II 3-6
or ENG 114 First-Year Writing Seminar
or ENG 198 Honors Writing Seminar
HST 103 Introduction to Global Historical Studies 2 3
MTH 168 & MTH 169 Analytic Geometry & Calculus I and Analytic Geometry & Calculus II 8
PHL 103 Introduction to Philosophy 3
PHY 206 General Physics I - Mechanics 3 3
REL 103 Introduction to Religious and Theological Studies 3
Natural Sciences Lab (either CHM 123L or PHY 210L) 4 1

Programming and other major specific requirements may apply. 5 0-4

1 A department specific seminar is required the second semester.
2 Chemical engineering students must take CHM 124 and CHM 124L in the second semester and postpone one of the three Humanities Base courses until the third semester.
3 Engineering students take this requirement first or second semester of the first year.
4 Chemical, civil, and mechanical engineering students take CHM 123L; computer and electrical engineering students take PHY 210L.
5 Electrical engineering students take CPS 150 in the first year and computer engineering students take CPS 150 and CPS 151. Mechanical engineering students take MEE 104L and MEE 114L in the first year. Chemical and civil engineering students are not required to take a programming course in the first year. All engineering technology students take SET 150 in their first semester. Electronic and computer engineering technology and mechanical engineering technology students take SET 153L and ECT 108L in their first year. All majors have additional technical courses required the first year. Electronic and computer engineering majors take ECT 110, mechanical engineering technology majors take MFG 108L, MCT 110L and MCT 112L and industrial engineering technology majors take IET 230.