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,
2. Advanced placement examinations, (https://udayton.edu/apply/undergraduate/advanced-placement-credit.php)
3. Departmental examinations during the first term, or
4. Taking the prescribed courses as part of the first year.

Required First-Year Program		32-35
CHM 123	General Chemistry (or other required Natural Science) [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 and civil engineering students take CHM 123L; computer, electrical, and mechanical 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 111L and industrial engineering technology majors take IET 230.