

Recommended Sequence of Courses for the 3 + 2 Mechanical Engineering Major

Beginning fall 2021

Freshman Year

Fall		Spring	
College Foundations	2	English Composition I/II	3
Intro to Engineering	1	Intro to Programming (python)	2
Computers & Technology	3	Object-Oriented Programming	2
College Algebra & Trig *	4	Calculus I	4
(or leadership core)	3	Engineering Graphics II	3
Engineering Graphics I	3	Materials & Processes	3
Industrial Manufacturing Processes	3		-----
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	16/15		

Sophomore Year

Fall		Spring	
College Physics I	5	College Physics II	5
Calculus II	4	Differential Equations	4
Comp II/Art/Music/Theatre	3	Statics	3
HIST/Comparative Religion	3	Intro to Engr Design	2
Principles of Communication	3	Arts & Society	3
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	18		17

Junior Year

Fall		Spring	
Mathematical Statistics	3	Calculus III	4
Dynamics	3	Mechanics of Materials	3
Chem I	4	Numerical Analysis Methods	3
Econ/PSYC/SOCI if not above	3	Comparative Religion/HIST	3
Thermodynamics	3	Contemporary Leadership	3
Prof Dev Seminar (PHYS minor)	2	Quaker Values	1
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	16-18		17

* placement depending on ACT score or AP/dual credit from high school