

Engineering

Major

A major in engineering consists of 80 credit hours with a grade of 'C-' or better in the required majors courses. This may be achieved by taking the core engineering requirements along with a selected concentration. Moreover, students whose level of language participation necessitates their enrollment in a world language course at the 101 level will have successfully completed the world language requirement upon completion of this course.

Core Engineering Courses

Item #	Title	Credits
CH 110	General Chemistry	4.0
MA 213	Calculus I	4.0
MA 223	Calculus II	4.0
MA 233	Calculus III	4.0
MA 332	Introduction to Differential Equations	4.0
PY 201	College Physics I	4.0
PY 202	College Physics II	4.0
One Math or Chemistry Elective from List		4.0

One Math or Chemistry Elective from List

Choose one:

MA 123	Elementary Statistics	4.0
MA 323	Introduction to Linear Algebra	4.0
CH 203	Organic Chemistry I	4.0
CH 211	Quantitative Analysis	4.0
CH 231	Inorganic Chemistry	4.0

Engineering Concentration

Item #	Title	Credits
EG 141	Survey of Programming Tools	4.0
EG 150	Community Systems Engineering	4.0
EG 301	Circuits	4.0
EG 304	Materials Science	4.0
EG 321	Analytical Mechanics: Statics	4.0
EG 322	Analytical Mechanics: Dynamics	4.0
EG 323	Thermodynamics	4.0
EG 341	Computational Analysis	4.0
EG 423	Fluid Dynamics	4.0
EG 433	Heat and Mass Transfer	4.0
EG 495	Senior Seminar I	2.0
EG 496	Senior Seminar II	2.0
EG Electives - EG 463, EG 465, or EG 490 (Choose Two)		8.0

