

SUGGESTED FOUR YEAR SEQUENCE OF STUDY FOR BACHELOR OF SCIENCE IN ENGINEERING

Minimum 127 hours required for graduation

The 80-clock hour Christian Service requirement is not listed but is spread throughout the four years.

Fall Freshman Year

Courses	Hours
MTHS 261 - Calculus 1	4
ENGR 161 - Intro to Engineering	1
CHYS 161 - Chem 1	3
CHYS 161L - Chem 1 Lab	1
BIBL 110 or BIBL 111 - Old or New Test	3
LeeU 101 - Gateway	1
ENGL 110 - Rhetoric and Research	3
Total	16

Spring Freshman Year

Courses	Hours
MTHS 262 - Calculus 2	4
ENGR 162 - Intro to Eng Graphics and Comp.	3
BIBL 110 or BIBL 111 - Old or New Test	3
CHYS 162 - Chem 2	3
CSCI 261 - Intro to Programming	3
Total	16

Fall Sophomore Year

Courses	Hours
MTHS 361 - Calculus 3	4
ENGR 262 - Materials Science	3
PHYS 261 - Physics 1	4
CSCI 271 - Programming Projects (Elec)	1
LeeU 202 - Benevolence	1
THEO 230 - Intro to Theology	3
Total	16

Spring Sophomore Year

Courses	Hours
MTHS 363 - Differential Equations	3
ENGR 361 - Statics	3
GNST 200 - Global Perspectives Seminar	1
PHYS 262 - Physics 2	4
THEO 231 - Intro to Christian Ethics	3
Total	14

Summer Semester

Courses	Hours
GNST 250 - Cross Cultural Experience	1
Humanities Option	3
MTHS 370 - Matrix Computations	2
Total	6

Fall Junior Year

Courses	Hours
ENGR 371 - Circuits	3
ENGR 371L - Circuits Lab	1
LING 201 - Language and Culture	3
ENGR 365 - Thermodynamics	3
MTHS 235 - Experimental Statistics	3
ENGR 362 - Dynamics	3
Total	16

Spring Junior Year

Courses	Hours
ENGR 368 - Heat Transfer	3
ENGR 363 - Mechanics of Materials	3
ENGR 363L - Mechanics of Materials Lab	1
ENGR 372 - Instrumentation and Controls	3
ENGR 364 - Fluid Mechanics	3
ECON 200 - Economics	3
Total	16

Fall Senior Year

Courses	Hours
ENGR 491 - Engineering Senior Design 1	3
ENGR 461 - Engineering Economics	2
PLSC 250 - American Government	3
Humanities Option	3
HUMN 201 - Found. of Western Culture	3
Technical Elective (FE Exam Review)	1
Total	15

Spring Senior Year

Courses	Hours
ENGR 492 - Engineering Senior Design 2	3
ENGR 495 - Engineering Faith and Practice	3
Humanities Option/(Fine arts)	3
Contemporary Society Option	3
Total	12