

Electrical Engineering Course Plan

Catalog Year 2021-2022

Second Year

Fall Semester

Digital Logic Design (ENGE 220) *	4 credits
Math/Science Elective (see catalog) †	3 credits
General Physics with Calculus (PHYS 212) *	4 credits
Differential Equations w/ Linear Algebra (MATH 311) *	4 credits
Personhood (PSYC 100) ‡	3 credits
Semester Total	18 credits
Cumulative Total	52 credits

Spring Semester

Electrical Circuit Analysis (ENGE 250) *	4 credits
Electrical Power Systems (ENGE 270) *	3 credits
Introduction to Computer Science II (CSIS 202) *	3 credits
Calculus III (MATH 301) *	3 credits
Principles of Economics (ECON 200) *	3 credits
Semester Total	16 credits
Cumulative Total	68 credits

Third Year

Fall Semester

Servant Engineering I (ENGR 381) *	2 credits
Electronic Devices & Circuits (ENGE 311) *	4 credits
Microprocessor Architecture (ENGE 320) *	4 credits
Electrical Signals & Networks (ENGE 330) *	3 credits
Math Elective (see catalog) †	3 credits
Semester Total	16 credits
Cumulative Total	84 credits

Spring Semester

Servant Engineering II (ENGR 382) *	2 credits
Applications of Electronic Devices (ENGE 312) *	4 credits
Electromagnetic Fields & Waves (ENGE 360) *	3 credits
Embedded Systems Design (ENGE 420) *	3 credits
Justice (SSCI 100) ‡	3 credits
Semester Total	15 credits
Cumulative Total	99 credits

Fourth Year

Fall Semester

Senior Design I (ENGR 481) *	1 credits
Engineering Senior Seminar (ENGR 490) *	1 credits
Communication Systems (ENGE 430) *	3 credits
Power Electronics & Renewable Energy (ENGE 470) *	3 credits
Ethics (THEO 380) ‡	3 credits
Faith and Story (LITR 111) ‡	3 credits
Semester Total	14 credits
Cumulative Total	113 credits

Spring Semester

Senior Design II (ENGR 482) *	3 credits
Microwave Engineering & Applications (ENGE 460) *	3 credits
Digital Signal Processing (ENGE 480) *	3 credits
The Modern and Postmodern World (HIST 111) ‡	3 credits
Art and Global Culture (ARTP/V 120) ‡	3 credits
Semester Total	15 credits
Cumulative Total	128 credits

Notes