

ELECTRICAL ENGINEERING, BS

Course Sequencing

First Year

Fall		Hours
UNIV 1101	University Seminar I	1
ENGL 1301	Writing and Rhetoric I	3
ENGR 1201	Introduction to Engineering	2
CHEM 1411	General Chemistry I	4
MATH 2413	Calculus I	4
HIST 1301	U.S. History to 1865	3
Hours		17

Spring

UNIV 1102	University Seminar II	1
ENGL 1302	Writing and Rhetoric II or COMM 1311 or Foundation of Communication	3
HIST 1302	U.S. History Since 1865	3
MATH 2414	Calculus II	4
MATH 2305	Discrete Mathematics I	3
PHYS 2425	University Physics I	4
Hours		18

Second Year

Fall		Hours
ENGR 2306	Digital Systems	3
ENGR 2106	Digital Systems Laboratory	1
COSC 1320	C Programming	3
MATH 2415	Calculus III	4
PHYS 2426	University Physics II	4
Creative Arts Core Requirement		3
Hours		18

Spring

ENGR 2325	Statics	3
ENGR 3316	Thermodynamics	3
ENGR 3322	Materials Science	3
ENGR 2460	Circuit Analysis	4
MATH 3315	Differential Equations	3
Hours		16

Third Year

Fall		Hours
EEEN 3315	Electrical Circuits II	3
EEEN 3418	Microprocessors and Microcontrollers	4
MATH 3311	Linear Algebra	3
MATH 3345	Statistical Modeling and Data Analysis	3
POLS 2305	U.S. Government and Politics	3
Hours		16

Spring

EEEN 3310	Electromagnetic Theory	3
EEEN 3320	Introduction to Communication Theory and Systems	3
EEEN 3330	Control Systems I	3

EEEN 3350	Electronic Systems Design	3
Technical elective		3
Social and Behavioral Sciences Core Requirement		3
Hours		18

Fourth Year

Fall

ENGR 4420	Engineering Lab Measurements	4
ENGR 4240	Project Management	2
EEEN 4310	Signal Processing	3
Technical elective		3
Language, Philosophy & Culture Core Requirement		3
Hours		15

Spring

ENGR 4370	Capstone Projects	3
EEEN 4333	Machine Vision and Image Processing	3
Technical elective		3
POLS 2306	State and Local Government	3
Hours		12

Total Hours 130