BS IN ELECTRICAL ENGINEERING TECHNOLOGY

The electrical engineering technology program emphasizes the application of electrical principles to manufacturing, maintenance, testing, installation, and inspection. There is a strong focus on computer simulation, software application and technical skills.

Code	Title	Hours
EECS 1000	Introduction to Electrical Engineering	3
MATH 1330	Trigonometry	3
ENGL 1110	College Composition I	3
EET 1010	DC Circuits	4
CHEM 1230	General Chemistry I	4
ENGL 2950	Technical Writing	3
EET 1020	AC Circuits	4
MET 1250	Computer Aided Drafting and Design	3
EET 2210	Digital Logic Fundamentals	4
EET 2010	Electronic Principles	4
MATH 2450	Calculus For Engineering Technology I	4
PHYS 2070	General Physics I	4
PHYS 2075	General Physics I - Lab	1
MATH 2460	Calculus For Engineering Technology II	4
PHYS 2080	General Physics II	4
PHYS 2085	General Physics II - Lab	1
EET 2020	Electronic Device Applications	4
CSET 2200	PC and Industrial Networks	0-4
ENGT 3010	Applied Statistics And Design Of Experiments	4
ENGT 3020	Applied Engineering Mathematics	3
EET 3150	C Programming	4
EET 2410	Mechatronics I	4
EET 3250	Network Analysis	3
MET 2100	Statics For Technology	3
EET 3350	Embedded Systems Design	4
EECS 4010	Senior Design Project I	1
EET 4450	Automatic Control Systems	4
EECS 4020	Senior Design Project II	3

Student must also complete University Core, Comm Elect, Professional Dev Elect

First Term		Hours
EECS 1000	Introduction to Electrical Engineering	3
MATH 1330	Trigonometry	3
ENGL 1110	College Composition I	3
EET 1010	DC Circuits	4
Arts/Humanities/Social Science Core		3
	Hours	**16**
Second Term		
ENGL 2950	Technical Writing	3
EET 1020	AC Circuits	4
MET 1250	Computer Aided Drafting and Design	3
EET 2210	Digital Logic Fundamentals	4
Arts/Humanities/Social Science Core		3
	Hours	**17**
Third Term		
MATH 2450	Calculus For Engineering Technology I	4
PHYS 2070	General Physics I	4
PHYS 2075	General Physics I - Lab	1
Communications Elective		3
EET 2010	Electronic Principles	4
	Hours	**16**
Fourth Term		
MATH 2460	Calculus For Engineering Technology II	4
PHYS 2080	General Physics II	4
PHYS 2085	General Physics II - Lab	1
EET 2020	Electronic Device Applications	4
CSET 2200	PC and Industrial Networks	4
	Hours	**17**
Fifth Term		
ENGT 3010	Applied Statistics And Design Of Experiments	4
ENGT 3020	Applied Engineering Mathematics	3
EET 3150	C Programming	4
EET 2410	Mechatronics I	4
MET 2100	Statics For Technology	3
	Hours	**18**
Sixth Term		
CHEM 1230	General Chemistry I	4
EET 3250	Network Analysis	3
EET 3350	Embedded Systems Design	4
Diversity of US/Arts/Humanities/Social Science Core		3
	Hours	**14**
Seventh Term		
EECS 4010	Senior Design Project I	1
EET 4350	Electric Power Systems	4
EET Technical Elective		4
Arts/Humanities/Social Science Core		3
Arts/Humanities/Social Science Core/Non-US Diversity		3
	Hours	**15**
Eighth Term		
Elective - Professional Development		4
EET 4450	Automatic Control Systems	4
EECS 4020	Senior Design Project II	3
EET Technical Elective		4
	Hours	**15**
	Total Hours	**128**

- PLO1. an ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly defined engineering problems appropriate to the discipline;

- PLO 2. an ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline;
- PLO 3. an ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature;
- PLO 4. an ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes; and
- PLO 5. an ability to function effectively as a member as well as a leader on technical teams