



ELECTRICAL ENGINEERING

ASSOCIATE OF SCIENCE

Program Requirements

SEMESTER & COURSES	CREDIT HOURS	SEMESTER & COURSES	CREDIT HOURS
<i>Semester 1 (Fall)</i>		<i>Semester 2 (Spring)</i>	
ENGL 1010: English Composition I	3	ENGL 1020: English Composition II	3
CISP 1010 or Programming ²	3 or 4	PHYS 2110: Calculus-based Physics I	4
MATH 1910: Calculus I	4	MATH 1920: Calculus II	4
CHEM 1110: General Chemistry I	4	Humanities/Fine Arts	3
History	3	History	3
Subtotal Semester 1	17	Subtotal Semester 2	17
<i>Semester 3 (Fall)</i>		<i>Semester 4 (Spring)</i>	
COMM 2025: Fundamentals of Communication or any approved speech/communication general education course	3	Social/Behavioral Science ¹	3
Social/Behavioral Science ¹	3	ENGR 2130: Circuits I w/lab ³	4
PHYS 2120: Calculus-based Physics II	4	Humanities/Fine Arts	3
MATH 2010: Introduction to Linear Algebra	3	MATH 2120: Differential Equations	3
MATH 2110: Calculus III	4	Literature	3
Subtotal Semester 3	17	Subtotal Semester 4	16
		Total Credit Hours	67+

NOTES:

¹Students transferring to UoM or UTM should take ECON 2100: Macroeconomics as one of the Social/Behavioral Science general education requirements.

²Student who intend to transfer to UTK or TTU are required to take 4 hours of programming. As such, a three-credit hour computer programming course will not fulfill the programming requirements.

³ Courses in engineering technology do not fulfill any of the requirements for the Area of Emphasis in Electrical Engineering.

NOTE: Although it is possible to complete the B.S. Degree in Electrical Engineering in four semesters after earning the associate's degree, students typically need five or six semesters to complete the requirements.

NOTE: The Electrical Engineering TTP also fulfills the preparatory coursework for: (1) the BS in Mechatronics at MTSU; (2) Computer Engineering BS at UTK; (3) Computer Engineering BS at TTU; (4) Electrical Engineering BS at TTU with a concentration in Mechatronics, (5) Electrical Engineering BS at TTU with a concentration in Vehicle Engineering, (6) Engineering Physics BSE at APSU.