

ENGINEERING WITH EMPHASIS IN ELECTRICAL ENGINEERING APPLICATIONS (AS DEGREE S0835)

Natural Sciences Division

The Engineering with Emphasis in Electrical Engineering Applications AS degree is designed to incorporate the engineering, science, and communication skills needed to prepare students for multiple entry-level positions in the electrical engineering field. This degree may facilitate transfer to 4-year institutions.

Required Courses

Course Prefix	Course Name	Units
Required Core		
ENGR 1	Introduction to Engineering	2
ENGR 6	Introduction to Engineering Programming Concepts and Methodologies	4
ENGR 16	Introduction to Digital Electronics with FPGA Programming	4
ENGR 44	Electrical Engineering	4
ENGR 285	Differential Equations and Linear Algebra for Engineers	4
MATH 180	Calculus and Analytic Geometry	4
MATH 181	Calculus and Analytic Geometry	4
MATH 280	Calculus and Analytic Geometry	5
PHYS 4A	Engineering Physics	5
PHYS 4B	Engineering Physics	5
Total Units		41

Please see the Mt. San Antonio College Engineering, Engineering Technology and Surveying Program Website (<https://www.mtsac.edu/engineering/>) for updated information on program courses, transfer help, extracurricular activities, faculty contact information and more.