

ELECTRICAL CONSTRUCTION MINOR

Electrical construction is a field that merges knowledge and skills of electrical engineering with those of the construction management program. Graduates contribute to the design, installation, and maintenance of electrical and electronic systems for residential, commercial, and industrial buildings, electrical generating facilities such as solar farms, and other connections to the national electrical grid.

The energy and contracting industries need significantly more graduates as the country increases its generation of electricity from alternate energy sources, the electrification of the built environment, and to meet the growing demand for residential and industrial solar installations and charging stations for electric vehicles.

Laptop Requirement

Students need a laptop for this program. Consult with the department for hardware and software requirements. Discounts are available through the Chico State Wildcat Store (<https://www.bkstr.com/chicostatewildcatstore/home/>).

Course Requirements for the Minor

The following courses, or their approved transfer equivalents, are required of all candidates for this minor.

Course	Title	Units
CMGT 235	Electrical and Mechanical Systems	3
CMGT 352	Electrical and Mechanical Construction Estimating	3
CMGT 360W	Construction Project Management (W)	3
CMGT 385	Concepts of Sustainable Construction	3
EECE 483	Solar Energy Devices and Systems	4
Select one of the following:		4
EECE 211 & 211L	Linear Circuits I and Linear Circuits I Activity	
EECE 215	Practical Circuits and Electronics	
Select one of the following:		3-4
CMGT 380	Green Building Practices and LEED Certification	
EECE 481	Electromechanical Conversion	
Total Units		23-24