

Electrical Technology

MSU-Northern's Electrical Technology program is the only program in the state to offer an Associate of Applied Science degree in conjunction with State of Montana Apprenticeship program. With an electrical technology degree, students will be prepared to start their career as an apprentice electrician or to continue their education in electrical engineering.

Associate of Applied Science Electrical Technology

Code	Title	Credits
WRIT 108 or WRIT 101	Elementary Technical Writing ¹ College Writing I	3
Select one of the following: ²		3
M 111	Technical Mathematics	
M 121	College Algebra	
M 145	Math for the Liberal Arts	
COMX 115	Intro to Interpersonal Communc	3
Required Courses		
CAPP 120	Introduction to Computers	3
ELCT 101	Electrical Fundamentals I	3
ELCT 102	Electrial Fundamentals II	3
ELCT 103	Electric Code Study/Codeology	3
ELCT 106	Electrical Formulas & Calc	3
ELCT 111	Electric Meters & Motors	3
ELCT 133	Basic Wiring	5
ELCT 137	Electrical Drafting	2
ELCT 139	Elctrcl Code Study-Residential	3
ELCT 201	Alternating Current Theory	3
ELCT 204	Elctrcl Planning & Estimating	3
ELCT 205	Electrical Design & Lighting	3
ELCT 211	AC Measurements	3
ELCT 230	Industrial Electrical Wiring	3
ELCT 233	Commercial Wiring Lab	3
ELCT 236	Conduit/Rcwys & Code Calc Lab	3
ELCT 239	Grounding & Bonding Fund	3
ELCT 241	Electric Motor Controls	3
IT 111	Industrial Safety/Waste Mgmt	2
HPE 234	First Aid and CPR	2
Total minimum credits required for degree		66

- 1 Meets Communications Requirement
- 2 Meets Computation Requirement
- 3 Meets Human Relations Requirement