



DEGREE SHEET / 2023-2024 CATALOG

Student name:

Eagle ID:

Eagle Email:

Phone:

Certificate of Technical Trades (Electrical Technology)

The Certificate in Technical Trades (Electrical Technology) will provide you with opportunities to develop marketable skills in five broad areas of the industry, including residential and commercial wiring, industrial electrical maintenance, and troubleshooting techniques. The core principles and concepts of electrical systems are covered in each course. Students completing this program may continue to an Associate Degree in Technical Trades (Electrical Technology).

GENERAL EDUCATION REQUIREMENTS (3 Credits)	SEMESTER	GRADE
AREA I: COMMUNICATIONS (3 Credits)		
ENGL 1110 Composition I (3) <i>Pre-requisites: ENG 109N or adequate score on the Course Placement Evaluation</i>		
PROGRAM REQUIREMENTS (32 Credits)		
MATH 1170 Applied Trades Math (3) <i>Pre-requisite: None</i>		
PLBT 1000 OSHA 10 for the Construction Industry (1) <i>Pre-requisite: None</i>		
ELEC 1140 Electrical Theory I (4) <i>Pre-requisite: None</i>		
ELEC 1141 Electrical Code I (2) <i>Pre-requisite: None</i>		
ELEC 1143L Electrical Industrial Applications I (3) <i>Pre-requisite: None</i>		
ELEC 1150 Electrical Theory II (4) <i>Pre-requisite: ELEC 140 Electrical Theory I</i>		
ELEC 1151 Electrical Code II (3) <i>Pre-requisite: ELEC 141 Electrical Code I</i>		
ELEC 1153L Electrical Industrial Applications Lab II (3) <i>Pre-requisite: None</i>		
ELEC 2240 Transformers (1) <i>Pre-requisite: ELEC 150 Electrical Theory II</i>		

ELEC 2241 Power Quality and Distributed Generation (2) <i>Pre-requisite: ELEC 150 Electrical Theory II</i>		
ELEC 2250 Digital Electronics (2) <i>Pre-requisite: ELEC 140 Electrical Theory I</i>		
ELEC 2260 Motor Theory (2) <i>Co-requisite: ELEC 260L</i> <i>Pre-requisite: ELEC 150 Electrical Theory II</i>		
ELEC 2260L Motor Controls Lab (2) <i>Co-requisite: ELEC 260</i> <i>Pre-requisite: ELEC 150 Electrical Theory II</i>		
TOTAL CREDITS 35		
ADVISOR APPROVAL	DATE	

SUGGESTED SEQUENCE OF COURSES

FIRST SEMESTER (16 Credits)

MATH 1170 Applied Trades Math (3)
 PLBT 1000 OSHA 10 for the Construction Industry (1)
 ELEC 1140 Electrical Theory I (4)
 ELEC 1141 Electrical Code I (2)
 ELEC 1143L Electrical Industrial Applications Lab I (3)
 ENGL 1110 Composition I (3)

SECOND SEMESTER (15 Credits)

ELEC 1150 Electrical Theory II (4)
 ELEC 1151 Electrical Code II (3)
 ELEC 1153L Electrical Industrial Applications Lab II (3)
 ELEC 2240 Transformers (1)
 ELEC 2241 Power Quality and Distributed Generation (2)
 ELEC 2250 Digital Electronics (2)

THIRD SEMESTER (4 Credits)

ELEC 2260 Motor Theory (2)
 ELEC 2260L Motor Controls Lab (2)