SCHOOL OF
ENGINEERING &
CONSTRUCTION
TECHNOLOGIES
OSU Institute of Technology

ELECTRICAL CONSTRUCTION TECHNOLOGIES

Associate in Applied Science
88 Credit Hours
Fall or Spring Start

First Semester (16 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ECNT 1013 Introduction to the Electrical Trades	3		ORIE 1011 College Strategies	1	
FULL	ECNT 1103 DC & AC Circuit Analysis	3		CS 1013 Computer Literacy & Applications	3	
FULL	ECNT 1113 Basic Electrical Wiring Methods	3		MATH 1493 Math for Critical Thinking ★ OR MATH 1513 Pre-Calculus ⊕	3	

Second Semester (15 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	CNS 1213 Construction Safety OSHA 30 Hour	3		ENGL 1033 Technical Writing I ★ OR ENGL 1113 Freshman Composition I ⊕	3	
FULL	CNS 1263 Construction Blueprints & Specifications	3				
FULL	ECNT 1233 Electrical Motors & Controls Prerequisite: ECNT 1103	3				
FULL	ECNT 1253 Electrical Wiring Methods I – Residential	3				

Third Semester (15 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
1st	CNS 2413 Mechanical Systems	3				
1st	ECNT 1213 Alternative Energy Prerequisite: ECNT 1103	3				
1st	ECNT 2473 Electrical Wiring Methods II - Commercial Prerequisite: ECNT 1253	3				
2n	CNS 2806 Construction Internship Prerequisites: School Dean's approval and a 2.5 GPA or higher	6				

Fourth Semester (15 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ECNT 1313 National Electrical Codes Prerequisite: ECNT 1253	3		HIST 1483 US History to 1865 OR HIST 1493 US History since 1865	3	
FULL	ECNT 2533 Electrical Wiring Methods III - Industrial Prerequisites: ECNT 1253 and ECNT 2473	3		POLS 1113 US Government	3	
FULL	ECNT 2613 PLCs for Electricians Prerequisite: ECNT 1233	3				

Fifth Semester (15 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ECNT 2123 Electrical Calculations Prerequisites: ECNT 1233 and ECNT 2473	3		SPCH 1113 Intro to Speech Communications ★ OR SPCH 2313 Small Group Communications	3	
FULL	ECNT 2203 Testing & Commissioning Prerequisite: ECNT 1233	3				
FULL	ECNT 2213 Electrical Motors & Controls II Prerequisite: ECNT 1233	3				
FULL	Approved Technical Elective Consult with advisor for an approved list of electives.	3				

FULL = Full Semester Class | 1st = First Half Class | 2nd = Second Half Class

★ Recommended

⊕ Corequisite strategies course available. See advisor for details.

Sixth Semester (12 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
1st	**CNS 2906** Construction Internship **Prerequisites: School Dean's approval and a 2.5 GPA or higher**	6				
2nd	**ECNT 2603** Electrical Capstone Experience **Prerequisites: ECNT 1253, ECNT 2473, ECNT 2533 and one internship**	3				
	SEIM 1233 Instrumentation & Controls	3				

FULL = Full Semester Class | 1st = First Half Class | 2nd = Second Half Class ★ Recommended ⊕ Corequisite strategies course available. See advisor for details.

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