



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 | |
| | ECNT 1103 DC & AC Circuit Analysis | 3 | | CS 1013 Computer Literacy & Applications | 3 | |
| | ECNT 1113 Basic Electrical Wiring Methods | 3 | | MATH 1493 Math for Critical Thinking ^{★Ⓢ} OR MATH 1513 Pre-Calculus [Ⓢ] | 3 | |
| | | | | COWBOY UP! New Student Orientation | 0 | |

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 | |
| | CNS 1263 Construction Blueprints & Specifications | 3 | | | | |
| | ECNT 1233 Electrical Motors & Controls Prerequisite: ECNT 1103 | 3 | | | | |
| | 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 | | | | |
| | ECNT 1213 Alternative Energy Prerequisite: ECNT 1103 | 3 | | | | |
| | 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 | |
| | ECNT 2533 Electrical Wiring Methods III - Industrial Prerequisites: ECNT 1253 and ECNT 2473 | 3 | | POLS 1113 US Government | 3 | |
| | 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 | |
| | ECNT 2203 Testing & Commissioning Prerequisite: ECNT 1233 | 3 | | | | |
| | ECNT 2213 Electrical Motors & Controls II Prerequisite: ECNT 1233 | 3 | | | | |
| | 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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