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| TSCC Degree Pathway – Electrical Technology- Residential /Commercial Electrician <i>Complete College America</i> <i>(12 + 12 + 6 = 30)</i> | FACULTY ADVISOR/INSTRUCTOR/COORDINATOR Ed Abrasley 334-420-4369 eabrasley@trenholmstate.edu |
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This degree pathway document serves as an advising resource and course guide for faculty and students. Students are strongly advised to enroll in any required Math or English courses during the first semester. Course offerings are subject to change based on availability during any semester and final enrollment numbers.

| Semester 1 | | | | MINIMUM 12 CREDIT HOURS |
|----------------------------------|---------------------|----------------------|-------------|--------------------------------|
| Course Name | Credit Hours | Contact Hours | Area | Course Notes |
| ENG101 – English Comp I | 3 | 3 | I | |
| MTH 100- Intermediate Algebra | 3 | 3 | III | |
| ELT 108- DC Fundamentals | 3 | 7 | V | |
| ELT 110 – Wiring Methods | 3 | 7 | V | |
| 4 Class Total | 12 | 20 | | |
| ORI 101 – Orientation to College | 1 | 1 | V | |
| 5 classes total | 13 | 21 | | |

| Semester 2 | | | | MINIMUM 12 CREDIT HOURS |
|---|---------------------|----------------------|-------------|--------------------------------|
| Course Name | Credit Hours | Contact Hours | Area | Course Notes |
| MTH 104 – Plan Trigonometry | 3 | 3 | III | |
| ELT 112 – Concepts of Alternating Current | 5 | 9 | V | |
| CIS 146 – Microcomputer Applications | 3 | 3 | V | |
| IELT 114 – Residential Wiring | 3 | 5 | V | |
| 4 Classes Total | 14 | 20 | | |

| Summer Semester | | | | |
|---|---------------------|----------------------|-------------|---------------------------------------|
| Course Name | Credit Hours | Contact Hours | Area | Course Notes |
| ELT 104 – Distribution Systems | 3 | 5 | V | |
| ADM 111- Manufacturing Safety Practices | 3 | 3 | V | ELT 206 – OSHA Safety Practices (SUB) |
| 2 Classes Total | 6 | 8 | | |
| ELT 231 Programmable Control I | 3 | 5 | V | |
| 3 Classes Total | 9 | 13 | | |

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| Semester 4 | | | | MINIMUM 12 CREDIT HOURS |
|--|---------------------|----------------------|-------------|--------------------------------|
| Course Name | Credit Hours | Contact Hours | Area | Course Notes |
| ADM 101 – Precision Measurement | 3 | 3 | V | MTT 147 – Intro Machine Shop I |
| ELT 117 – AC/DC Machines | 3 | 7 | V | |
| ELT 118 – Commercial/Ind. Wiring I | 3 | 7 | V | |
| ELT 119 – Concepts of Solid State Elec | 5 | 9 | V | |
| 4 Class Total | 14 | 26 | | |
| MUS 101 – Music Appreciation | 3 | 3 | II | |
| 5 classes total | 17 | 29 | | |

| Semester 5 | | | | MINIMUM 12 CREDIT HOURS |
|------------------------------------|---------------------|----------------------|-------------|--------------------------------|
| Course Name | Credit Hours | Contact Hours | Area | Course Notes |
| PSY 200 – General Psychology | 3 | 3 | IV | |
| ELT 115 – Residential Wiring II | 3 | 5 | V | ELT 132 – Comm. Wiring II |
| ELT 121 – Concept of Digital Elec. | 5 | 9 | V | |
| ELT 209 – Motor Controls I | 3 | 7 | V | |
| 4 Classes Total | 14 | 24 | | |
| ELT 232 – Adv. Programmable Cntl. | 3 | 5 | V | |
| 5 Classes Total | 17 | 29 | | |

| Summer Semester | | | | MINIMUM 6 CREDIT HOURS |
|------------------------------------|---------------------|----------------------|-------------|-------------------------------|
| Course Name | Credit Hours | Contact Hours | Area | Course Notes |
| ELT 212 – Motor Controls II | 3 | 7 | V | |
| ELT 241 – National Electrical Code | 3 | 3 | V | |
| 2 Classes Total | 6 | 10 | | |