

SUNY Canton 2021/2022 ABET – ACCREDITED PROGRAM

ELECTRICAL ENGINEERING TECHNOLOGY

AAS degree program (Curriculum 699)

Faculty Members: Stephen Frempong, Rashid Aidun, Shahrokh Sani, Raamitha Pillay

| <u>Courses</u> | <u>Credit</u> | <u>Term</u> | <u>Grade</u> |
|--|---------------|-------------|--------------|
| <u>First Semester</u> | | | |
| FYEP 101 First Year Experience | 1 | _____ | _____ |
| ELEC 101 Electric Circuits I | 3 | _____ | _____ |
| ELEC 109 Electric Circuits I Laboratory | 1 | _____ | _____ |
| ELEC 161 Electronic Fabrication | 2 | _____ | _____ |
| ENGL101 Composition & the Spoken Word | 3 | _____ | _____ |
| MATH 123 Pre-Calculus Algebra | 4 | _____ | _____ |
| SOET 116 Intro to CAD and Design | <u>2</u> | _____ | _____ |
| | 16 | | |
| <u>Second Semester</u> | | | |
| ELEC 102 Electric Circuits II | 3 | _____ | _____ |
| ELEC 129 Electric Circuits II Laboratory | 1 | _____ | _____ |
| ELEC 141 Industrial Controls | 2 | _____ | _____ |
| ELEC 165 Digital Fundamentals & Systems | 3 | _____ | _____ |
| ELEC 166 Digital Fundamentals & Systems Lab | 1 | _____ | _____ |
| ENGL ____ *English (Literature) | 3 | _____ | _____ |
| MATH 161 Calculus I | <u>4</u> | _____ | _____ |
| | 17 | | |
| <u>Third Semester</u> | | | |
| ELEC 231 Electronic Circuit | 4 | _____ | _____ |
| ENGS 102 Programming for Engineers | 2 | _____ | _____ |
| ELEC 213 Microprocessors | 3 | _____ | _____ |
| ELEC 215 Electrical Energy Conversion | 4 | _____ | _____ |
| PHYS121/131 College <u>or</u> University Physics I | 3 | _____ | _____ |
| PHYS125/135 Physics Lab I | <u>1</u> | _____ | _____ |
| | 17 | | |
| <u>Fourth Semester</u> | | | |
| ELEC 203 Engineering Technology Project | 1 | _____ | _____ |
| ELEC225/383 Telecommunications <u>or</u> Power Transmission & Distribution | 3 | _____ | _____ |
| ELEC 332 Industrial Power Electronics | 3 | _____ | _____ |
| ELEC 243 Automated Control Systems | 2 | _____ | _____ |
| PHYS122/132 College <u>or</u> University Physics II | 3 | _____ | _____ |
| PHYS 126/136 Physics Lab II | 1 | _____ | _____ |
| SOET 377 *Engineering Ethics | 1 | _____ | _____ |
| SOET 348 <u>or</u> SOET 349 is encouraged but not required | _____ | _____ | _____ |
| | 14 | | |

***Suggested English Literature Electives: ENGL203, 204, 205, 206, 109, 215, 216, 217, 225 or 295**

Note: Students are encouraged to take SOET 348 or SOET 349 Engineering Safety course.

*Writing Intensive Course

Graduation Requirements: 64 Semester Credit Hours with a G.P.A. of 2.0 minimum