Indian River State College

# Electrical Power Technology

| FALL – FRESHMAN YEAR | | SPRING – FRESHMAN YEAR | |
|---|---|---|---|
| EET1215C Introduction to Electronics | 3 credits | * ETP1230 Power Plant Systems | 3 credits |
| EET1015C DC Circuits | 3 credits | EET1025C AC Circuits<br>Prerequisite- EET1015C with a grade of "C" or higher | 3 credits |
| MGF1130 Mathematical Thinking | 3 credits | CHM1020 Intro to Chemistry | 3 credits |
| ENC1101 English Composition I | 3 credits | Gen Ed Humanities | 3 credits |
| **Term Total:** | **12 credits** | **Term Total:** | **12 credits** |

| SUMMER - FRESHMAN YEAR | | | |
|---|---|---|---|
| **SUMMER A** | | **SUMMER B** | |
| ETI 1701 Industrial Safety | 3 credits | | |
| ETI 1805C Rigging and Lifting | 3 credits | | |
| * ETP 2941 Professional Internship<br>Prerequisite- EET1025C with a grade of "C" or higher | 2 credits | | |
| **Term Total:** | **8 credits** | | |

| FALL - SOPHOMORE YEAR | | SPRING - SOPHOMORE YEAR | |
|---|---|---|---|
| ETS2542 Programmable Logic Controllers I<br>Pre/Co-requisite- EET2141C with a grade of "C" or higher | 3 credits | EET2527C Motor Starters, Controllers, and Breakers Prerequisite- EET1025C with a grade of "C" or higher | 3 credits |
| EET2141C Electronic Devices I<br>Prerequisite- EET1025C with a grade of "C" or higher | 3 credits | * ETS2544 Programmable Logic Controllers II<br>Pre/Co-requisite- ETS2542 with a grade of "C" or higher | 3 credits |
| EET2515C Motors and Generators<br>Prerequisite- EET1025C with a grade of "C" or higher | 3 credits | EET2547C Transformers and Power Distribution<br>Prerequisite- EET1025C with a grade of "C" or higher | 3 credits |
| ETS2520 Process Measurement Fundamentals<br>Prerequisite- EET1025C with a grade of "C" or higher | 3 credits | ETS2530 Process Control Technology<br>Prerequisite- EET1025C with a grade of "C" or higher | 3 credits |
| * ETP2052 Troubleshooting in Electrical Power Technology Pre/Co-requisite- EET2141C with a grade of "C" or higher | 3 credits | ETI2315C Fluid and Pneumatic Instrumentation | 3 credits |
| **Term Total:** | **15 credits** | **Term Total:** | **15 credits** |

| SUMMER - SOPHOMORE YEAR | | | |
|---|---|---|---|
| PHY1020 Principles of Physics **OR** PSC1121 Survey of Physical Science | 3 credits | | |
| Gen Ed Behavioral Science | 3 credits | | |
| **Term Total:** | **6 credits** | | |
| | | **Program Total:** | **68 credits** |

| **Electrical Power Electives*** - Must Complete 11 credits | |
|---|---|
| EET2325C Telecommunication Circuits I | 3 credits |
| ETP1230 Power Plant Systems | 3 credits |
| ETP2052 Troubleshooting in Electrical Power Technology | 3 credits |
| ETP2941 Professional Internship for Maintenance Technicians | 2 credits |
| ETS2544 Programmable Logic Controllers II | 3 credits |

Have program questions?
Email them to ElectronicsTechnology@irsc.edu




| **General Ed Classes** | |
|---|---|
| ARH1000 Art Appreciation | 3 credits |
| HUM1020 Introduction to Humanities | 3 credits |
| LIT1000 Introduction to Literature | 3 credits |
| MUL2010 Music Appreciation | 3 credits |
| PHI1010 Introduction to Philosophy | 3 credits |
| THE1000 Introduction to Theatre | 3 credits |
| AST1002 General Astronomy | 3 credits |
| BSC1005 Life Science | 3 credits |
| BSC2010 General Biology I | 3 credits |
| BSC2085 Anatomy & Physiology I | 3 credits |
| CHM1020 Introduction to Chemistry | 3 credits |
| CHM1045 General Chemistry I | 3 credits |
| PHY1020 Principles of Physics | 3 credits |
| PHY1053 College Physics I | 3 credits |
| PHY2048 Physics with Calculus I | 3 credits |
| AMH2010 American History: Discovery through Reconstruction | 3 credits |
| AMH2020 American History: Reconstruction to the Present | 3 credits |
| POS1041 American Government | 3 credits |