

| PROGRAM ARTICULATION DEGREE PLAN | | | |
|---|--|---|---|
| John A Logan College 2022-2023 | | Southern Illinois University Carbondale | |
| AAS Electrical Engineering Technology - 66 hrs | | BS Electrical Engineering Technology (EET) - 120 hrs | |
| | | University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs | |
| | | Hrs | Hrs |
| ENG 101 -or- ENG 113 | English Composition I -or- Professional Tech Writing | 3 | UNIV 101 Saluki Success NA ENGL 101 English Composition I T ENGL 102 English Composition II NA |
| COM 115 | Speech | 3 | CMST 101 Intro to Oral Communication T |
| MAT 111 | Precalculus | 5 | MATH 111 Precalculus T |
| | | | SOCIAL SCIENCE 3 |
| | | | SOCIAL SCIENCE 3 |
| | | | HUMANITIES 3 |
| | | | HUMANITIES NA |
| PHY 155 | College Physics | 5 | PHYS 203A/253A (Required for BS degree) College Physics/Lab T LIFE SCIENCE, GRP II BS degree requires 2 PHYS courses NA |
| | | | FINE ARTS 3 |
| | | | BIOL 202 Human Genetics and Human Health 2 |
| | | | MULTICULTURAL 3 |
| | | 16 | 17 |
| Program Requirements | | Program Requirements | |
| ORI 100 | College 101 | 1 | The AAS degree in Electronics Technology as articulated fulfills the technical elective requirements for the BS degree in Electrical Engineering Technology (EET). |
| ELT 102 | Basic Electricity and Wiring | 4 | |
| ELT 151 | Applied Solid State Circuits | 3 | |
| ELT 200 | Introduction to Microprocessors | 3 | |
| ELT 210 | A+ Preparation Essentials | 3 | |
| ELT 214 | A+ Preparation IT Technician | 3 | |
| ELT 215 | IOT and Embedded Systems | 3 | |
| ELT 218 | Introduction to Network Technologies | 3 | |
| ELT 220 | Linear Integrated Circuits | 3 | |
| ELT 224 | Power Distribution and Motors | 3 | |
| MFT 103 | Industrial Robots and PLCs | 3 | |
| ELT 103 | Applied DC/AC Circuits | 4 | |
| ELT 150 | Applied Solid State Electronics | 3 | |
| ELT 111 | Digital Electronics I | 3 | |
| ELT 112 | Digital Electronics II | 3 | |
| MAT 131 | Calculus | 5 | MATH 150 Calculus I T |
| | | 50 | |
| | | | ENGR 222 Computational Methods for Engineers and Technology 2 |
| | | | MATH 282 Statistics 3 |
| | | | MGMT 202 Business Communications 3 |
| | | | PHYS 203B/253B College Physics/Lab 4 |
| | | | EET 304A AC/DC Circuit Theory and Application 4 |
| | | | EET 304B AC Network Theory and Application 4 |
| | | | EET 332A DC Motors, Generators and Energy Conversion Devi 4 |
| | | | EET 332B AC Electric Machines and Power Systems 4 |
| | | | EET 403A Electronic Circuit Analysis 4 |
| | | | EET 403B Electronics Application and Design 4 |
| | | | EET 437A Telecommunication Systems Fundamentals 4 |
| | | | EET 437B Data and Computer Communication 4 |
| | | | EET 438A Automatic Control Systems Technology 4 |
| | | | EET 438B Sequential Digital Control and Data Acquisition 4 |
| | | | EET 439 Microcontroller Application and Design 4 |
| | | | EET 495A Senior Design I 1 |
| | | | EET 495B Senior Design II 1 |
| | | | 58 |
| Total semester hrs completed w/ AAS degree | | 66 | Total semester hrs completed w/ BS degree |
| | | | 75 |
| | | | Total semester hours to BS degree: |
| | | | 141 |