



AAS Electronics Engineering Technology to BS Electrical Engineering

Courses taken at JJC

Year One, First Semester

EET 102 Electronic Soldering, Circuit Board Rework and Repair
 EET 103 Project Construction
 EET 104 Soldering/De-soldering Surface Mount Devices
 EET 113 Electrical Circuits
 MATH 142*** Accelerated Trigonometry/Pre-Calculus***

Year One, Second Semester

EET 114 Digital Electronics
 EET 125 Solid State Circuitry
 IMT 121 Industrial Fluid Power (departmental elective)**
 ENG 101 Rhetoric

Summer Semester

EET 211 or Wireless Communications or
 EET 217**** Industrial Electronics****

Year Two, Third Semester

EET 213 Power Supplies
 EET 214 Microcomputer Electronics
 Elective Take course from Group III: Social & Behavioral Science Elective**
 CADD 101 2D Computer Aided Design and Drafting I

Year Two, Fourth Semester

EET 215 Advanced Solid State Circuitry
 EET 223 Advanced Electrical Circuits
 GEN ED Take courses from Groups 1-V: General Education**
 GEN ED Take courses from Groups 1-V: General Education**

Summer Semester

EET 211 or Wireless Communications or
 EET 217**** Industrial Electronics****

Total JJC Credits: 63-64*

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Courses taken at SIU

CMST 101 Intro to Oral Communication
 Elective Social Science**
 Elective Humanities**
 Elective Fine Arts**
 Elective Multicultural**
 MATH 150 Calculus I
 MATH 282 Introduction to Statistics
 MGMT 202 Business Communications
 ENGR 222 Comp Methods for Engineers & Tech
 PHYS 203/253B College Physics/Lab
 EET 304A AC/DC Circuit Theory and Application
 EET 304B Network Theory and Application
 EET 332A DC Motors, Gen & Energy Conversion
 EET 332B AC Electric Machines/Power Systems
 EET 403A Electronic Circuit Analysis
 EET 403B Electronics Application & Design
 EET 437A Telecomm Systems Fundamentals
 EET 437B Data & Computer Communication
 EET 338A Automatic Control Systems Tech
 EET 338B Seq Digital Control/Data Acquisition
 EET 439 MCU Application & Design
 EET 495A EET Senior Design I
 EET 495B EET Senior Design II

Total SIU Credits: 77*

Total Degree Credits: 140-141*

Hour Requirements: Each student must complete at least 120 semester hours of credit. Each student must have at least 42 hours in courses that number 300 or above from a four-year institution. Residence Requirements: Each student must complete the residence requirement by taking the last year, which is defined as 30 uninterrupted semester hours, or a total of 90 semester hours at SIU Carbondale. Grade Point Average Requirements: Each student must have a C average for all work taken at SIU Carbondale. Some academic programs may require a higher graduating major GPA.





*This transfer guide is a sample curriculum. Additional courses may be required based on placement test scores. Please work with your faculty advisor or success coach prior to course registration.

**Courses are to be chosen in consultation with an academic advisor.

***For students seeking only an AAS, only Algebra, MATH 119 is required. Students desiring to transfer should select a pre-calculus math class sequence. See program advisor for details.

****Classes are offered alternately each summer

About SIU's Program:

Electrical Engineering Technology is part of the technological field that requires the application of scientific and engineering knowledge and methods combined with technical skills in support of engineering activities; it lies in the occupational spectrum between the technician and the engineer at the end of the spectrum closest to the engineer. The electrical engineering technology major is designed to prepare technologists who are capable of technical design and who can contribute to the development, production, testing, and installation of electrical and electronic devices, circuits, and systems. In addition, graduates are capable of participation in the planning and installation of power distribution systems and operating and maintaining complex electrical systems. Graduates of the program are employed in communications, power, electronics, sales, manufacturing, and other fields.

About JJC's Program:

Technicians and engineers cooperatively develop the products that fuel the explosive growth of the electronics marketplace. Electronic technicians are in very high demand all over the world. The EET program is committed to teaching excellence in all facets of electronics and strives to provide students with the technical knowledge and skills to compete in the constantly changing field of electronics. Skilled faculty members provide students with both theory and hands-on training so that they stay current and competitive in today's market place. Electronic technicians are in very high demand all over the world. Technicians and engineers cooperatively develop the products that fuel the explosive growth of the electronics marketplace. Graduates of the Electronics Engineering Technology (EET) program are prepared to enter the workforce as engineering technicians, field service engineers and application engineers.

Questions:

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