

BACHELOR OF SCIENCE IN ELECTRONIC SYSTEMS TECHNOLOGIES



WITH A SPECIALIZATION IN ELECTRONICS MANAGEMENT

The Electronic Systems Technologies (EST) Bachelor of Science degree program with SIUC provides an essential foundation in basic electronics and offers a blend of advanced technical and managerial coursework for students pursuing careers in the electronics industry. The program allows students the flexibility to choose a curriculum that will complement their career goals and work experience. Graduates with an EST degree possess the skills required of the technologist entering areas such as biomedical equipment technology, communication technology, industrial electronics or telecommunications and networking technology.

ADMISSION REQUIREMENTS:

1. Minimum GPA 2.0/4.0 (2.25/4.0 and AAS in related field to apply for Capstone program)
2. Background in electronics
3. Minimum 26 semester hours of previous college credit

COST:

\$225 per semester hour; \$675 per course.

REGISTRATION PROCEDURE:

Through the SIUC office at the Great Lakes Naval Station

ACADEMIC CALENDAR:

Summer, Fall and Spring semesters; each semester runs between 14 and 16 weeks

DELIVERY MODE:

The 48 semester hour EST major is offered via weekend and independent study courses on a 16 month (4 semester) cycle. Students may enter during any semester. Each semester includes 3 classroom courses and 1 independent study. Classroom courses meet every other weekend on Saturday & Sunday from 8 am to 5 pm for 3 weekend sessions.

LOCATION(S) OF COURSES:

Great Lakes Naval Station

TEXTBOOK PURCHASE:

Textbook lists are provided and students can purchase from the vendor of their choice

TRANSFER HOURS POLICY:

Transfer credit can include courses from regionally-accredited institutions, military experience, military technical schools, CLEP and DANTES exams and related work experience. Contact program advisor for details.

TOTAL HOURS NEEDED:

EST Major Course Work	48 SH
University Core Curriculum	41 SH
Approved Career Electives	31 SH
Total	120 SH**

**The minimum 120 SH required for the degree must include a minimum of 60 SH from a senior (four-year) institution. Requirements differ slightly for the Capstone program. Contact program advisor for details.

FINANCIAL AID INFO:

Students may apply for all forms of financial aid available through SIUC, including military tuition assistance. SIUC staff at Great Lakes will assist students in applying for financial aid.

CONTACT PERSON(S):

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ADDRESS:

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2221 Mac Donough Drive
Great Lakes, IL 60088

WEBSITE:

<http://www.siu.edu/~asaocap>

REQUIRED COURSES:

- EST 302 Optical Electronics
- EST 319 Electronics Occupational Internship (Opt. for EST 351)
- EST 340 Applications of Solid State Devices
- EST 341 Digital Circuit Applications
- EST 342 Microcontrollers Applications Lecture
- EST 365 Electronics Industry Data Applications
- ISAT 366 Applications of Technical Writing
- EST 385 Fiscal Aspects of Electronics Management
- EST 387 Electronics Industry Labor-Management Relations
- EST 388 Legal Aspects of Electronics
- EST 404 Communication Systems Management
- EST 441 Career Development for Electronics Managers
- EST 451 Current Trends in Electronics Management
- Independent Study
- EST 300 Intro to Electronics Mgmt. Research
- EST 343 Microcontroller Applications Lab
- EST 351 Readings in Electronics Mgmt.
- EST 401 Issues in the Electronics Industry
- EST 450 Mgmt. Problems in the Electronics Industry