

BACHELOR OF SCIENCE IN ELECTRONIC SYSTEMS TECHNOLOGIES WITH A SPECIALIZATION IN ELECTRONICS MANAGEMENT

CONTACT PERSON(S):

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WEBSITE:

[http://asa.siu.edu/academics/
distance-education/off-campus-
programs/programs/est.html](http://asa.siu.edu/academics/distance-education/off-campus-programs/programs/est.html)

REQUIRED COURSES:

EST 340	Applications of Solid State Devices
EST 341	Digital Applications
EST 342	Device Programming for IoT
ISAT/ EST 365	Data Applications and Interpretation
EST 385	Fiscal Aspects of EST
EST 387	Labor-Management Relations
EST 388	Legal Aspects of Electronics
EST 404/ ISAT 417	Wireless Communications & Security
EST 451	Industry Operations Management
ISAT 316	Information Assurance I
ISAT 335	Network Protocols & Applications
ISAT 360 or ISAT 415	Information Assurance II or Enterprise Network Management
ISAT 366	Applications of Tech Writing
IST 404	IT Project Management
IST 209	Introduction to Programming
ISAT 216	Information Security Fundamentals
ISAT 224	Network Fundamentals

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 2.5/4.0 (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:

Tuition and fees are posted at <http://tuition.siu.edu/>

REGISTRATION PROCEDURE:

Through the SIUC office at the Naval Station Great Lakes

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. 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 4 pm for 4 weekend sessions.

LOCATION(S) OF COURSES:

~~Naval Station Great Lakes~~

As of January 2018, the program is no longer offered at Great Lakes. Instead it is a fully online format.

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 42 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.