

DEGREE REQUIREMENTS CHART

Bachelor of Science in Electrical Engineering Technology

Total Degree Credits Required: 124

BS

Arts and Sciences Component

Credit Hours

Communications (must include 6 credits in the written English requirement)

9

Ethics

3

Social Sciences/History

9

Humanities Elective

3

Mathematics and Natural Sciences

- Mathematics (12 credits at the level of College Algebra and above including Calculus I and II and Differential Equations)

24

- Natural Sciences (Physics I and II with at least one physics lab)

Arts and Sciences Electives

12

Total Arts and Sciences Component

60

Electrical Engineering Technology Component

Credit Hours

Core Requirements

DC Circuits
AC Circuits
Electronics I
Electronics II
Digital Electronics
Microprocessors
Computer Programming
Project Management
ELEC 495 Integrated Technology Assessment (capstone)*

Concentration Requirements

One of the following concentrations must be declared (see the School of Business & Technology program catalog for concentration requirements):

Electronics
Nanotechnology
Power Systems

Electrical Technology Electives

Total Technology Component

16 credits must be upper level, including 9 in the concentration

57

Free Elective Component

Credit Hours

Free Elective Component

(must include 1-credit Information Literacy Requirement)

7

Seven technology labs are required.

Four must be from the following:

- DC Circuits
- AC Circuits
- Digital Electronics
- Electronics I
- Electronics II
- Microprocessors

The other three must be in the concentration area.
At least two of the labs must be physical (non-virtual).

*ELEC 495 Integrated Technology Assessment is the required capstone course and must be taken through Excelsior College. It cannot be transferred in.