

The Bachelor of Science degree in Electronics Engineering Technology

The Bachelor of Science degree in Electronics Engineering Technology requires a minimum of 180 credit hours distributed as follows:

64 credit hours in the University's General Education

Core courses, which should include:

- 20 credit hours in English and Communications of a level higher than EN159, specified as EN151, EN152, EN166, EN491, and one course from EN154, EN213, or EN214
- 20 credit hours in Mathematics and Science
 - 12 credit hours in Mathematics of a level higher than MT150, specified as MT155, MT158, and MT160
 - 8 credit hours in Physics, specified as PH220 and PH221
- 20 credit hours in Behavioral Sciences and Humanities specified as HM101, SC101, PL 101, HM279, and EC201
- 4 credit hours in Computer and Information Science specified as CI101 and can be waived by placement test

84 credit hours in Electronics Engineering Technology

Courses in accordance with the following specifications:

- 32 credit hours of core courses specified as ET101, ET102, ET106/107, ET150/151, and ET155/156,
- 4 credit hours of Senior Project ET 492
- 48 credit hours in the major field of concentration selected from the following courses:
ET203, ET208, ET290, ET291, ET270/271, ET300/301, ET303, ET315/316, ET320, ET330, ET364, ET370/371, ET 375, ET378/379, ET403, ET420, ET430, MT430, ET475, and ET485/486

28 credit hours in the cognate or supporting fields:

The cognate field or supporting field is designed to provide the student a strong background in Mathematics and Computer and Information Science. Specifically these courses are CI105, CI216, MT222, MT201, MT202 and MT203.

4 credit hours of an elective

To be selected from Computer and Information and Science, Mathematics, Chemistry, Business, ENDT or Biology

General Education Core

(64 Credit Hours)

English and Communications

(20 credit hours)

EN151 Rhetoric and Style
EN152 Writing from Sources
EN166 Speech
EN491 Senior Seminar

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Mathematics and Physics

(20 credit hours)

MT155 Intermediate Algebra
MT158 College Algebra
MT160 Elementary Plane Trigonometry
PH220 Engineering Physics I
PH221 Engineering Physics Laboratory I

Behavioral and Social Sciences and Humanities

(20 credit hours)

HM 2279 East-West Signature Course
PL101 Introduction to American Government
SC101 Introduction to Sociology

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Computer and Information science

(4 credits hours)

CI101 Computer Technology and applications

* CI101 can be waived by placement test

EET MAJOR AREA COURSES

(84 credit hours)

Core Courses

(32 credit hours)

ET101 Basic Electronics
ET102 Basic Electronics Workshop
ET106 Circuit Analysis
ET107 Circuit Analysis Laboratory

ET150	Introduction to Digital Systems
ET151	Digital Systems Laboratory
ET155	Solid State Devices
ET156	Solid State Devices Laboratory

Senior Project
(4 credit hours)

ET 492	Senior Project
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Major Field of Concentration
(48 credit hours)

Choose 48 credit hours with at least three 400 level courses from the following:

ET203	Fundamentals of Communication Engineering
ET208	UNIX for Engineers
ET270	Digital Circuits I
ET271	Digital Circuits Laboratory I
ET290	Microcontrollers
ET291	Microcontrollers Lab
ET300	Filter Design
ET301	Filter Design Laboratory
ET303	Digital Communications Engineering I
ET315	Integrated Circuits
ET316	Integrated Circuits Laboratory
ET320	Laser Fundamentals
ET330	Industrial Electronics I
ET364	RF Circuit Design and Applications II
ET370	Digital Circuits II
ET371	Digital Circuits Laboratory II
ET375	Environmental Electronics I
ET378	Digital Signal Processing
ET379	Digital Signal Processing Laboratory
ET403	Digital Communications Engineering II
ET420	Fiber Optics
ET430	Industrial Electronics II
MT430	Engineering Math
ET475	Environmental Electronics II
ET485	Embedded Design
ET486	Embedded Design Laboratory

Cognitive or Supporting Field
(28 credit hours)

Computer and Information Science
(12 credit hours)

CI105 Web Page Design
CI216 C#
CI215 Introduction to JAVA

Mathematics
(16 credit hours)

MT222 Finite Mathematics
MT201 Calculus I
MT202 Calculus II
MT203 Calculus III

Elective
(4 credit hours)

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