**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, HM491, 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 CI101and can be waived by placement test**

**84 credit hours in Electronics Engineering Technology**

**Courses in accordance with the following specifications:**

* **36 credit hours of core courses specified as ET101, ET102, ET106/107, ET150/151, ET155/156, and DT103**
* **4 credit hours of Senior Project ET 492**
* **44 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, DT202, DT302, DT 303, DT485, and DT486**

**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 279 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

(36 credit hours)

**ET101 Basic Electronics**

**ET102 Basic Electronics Workshop**

**DT103 Drone Technology**

**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**

**DT103 Fundamentals of drone Technology**

Senior Project

**(4 credit hours)**

**ET 492 Senior Project**

Major Field of Concentration

**(48 credit hours)**

**Choose 44 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**

**DT202 Fundamentals of Aviation Engineering**

**DT302 Drone fabrication Engineering**

**DT303 Drone Fabrication Engineering Lab**

**DT485 Embedded Technology**

**DT486 Embedded Technology 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)

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