

# Bachelor of ELECTRONICS ENGINEERING TECHNOLOGY (EET)

Updated March 2024

## 4-Year Recommended Course Sequence

Click on the Course Name to access the course in the Undergraduate Catalog 24-25

Fall Semester 1	Spring Semester 2	Fall Semester 3	Spring Semester 4	Fall Semester 5	Spring Semester 6	Fall Semester 7	Spring Semester 8
<a href="#">EET 205 [3]</a> <a href="#">DC Circuits</a>	<a href="#">EET 207 [3]</a> <a href="#">AC Circuits</a> (EET 205)	<a href="#">EET 201 [3]</a> <a href="#">Fundamentals of Electronics</a> (EET 205 & ESC 120)	<a href="#">EET 202 [3]</a> <a href="#">Fundamentals of Digital Systems</a> (EET 201)	<a href="#">EET 315 [3]</a> <a href="#">Microprocessors &amp; Digital Systems Design</a> (EET 202 & *EET 316)	<a href="#">EET 320 [3]</a> <a href="#">Embed Microprocessor Systems</a> (EET 315 & EET 316)	<a href="#">EET 460 [1]</a> <a href="#">Senior Design A</a> (Senior Standing)	<a href="#">EET 480 [3]</a> <a href="#">Senior Design B</a> (MET 460)
ENG 100 [3] <a href="#">Intensive Writing</a> or ENG 101 [3] <a href="#">College Writing I</a>	ESC 102 [3] <a href="#">Technical Writing</a> (Preferred) (ENG 100 or ENG 101)	GET 240 [3] <a href="#">Programmable Logic Controllers</a> (EET 205)	GET 315 [3] <a href="#">Advanced Programming Methods</a>	EET 316 [1] <a href="#">Microprocessors &amp; Digital Systems Design Lab</a> (EET 202 & *EET 315)	EET 330 [3] <a href="#">Adv. Circuit Analysis</a> (EET 207 and MTT 300)	EET 410 [3] <a href="#">Power Electronic Systems</a> (MTT 301 & EET 330)	GET 444 [3] <a href="#">HMI Applications For PLCs</a> (GET 240)
GET 255 [3] <a href="#">Intro Robotics &amp; Automated Systems</a>	PHY 221 [5] <a href="#">College Physics I</a> (MTH 165 or MTH 167)	**ESC 130 [1] <a href="#">Engineering Co-op Orientation</a>	CHM 251 [3] <a href="#">College Chemistry 1</a> (MTH 149)	GET 310 [3] <a href="#">Computer Systems Tech.</a> (*EET 315)	EET 430 [3] <a href="#">App. of FPGAs &amp; VHDL</a> (EET 315 and EET 316)	EET 411 [1] <a href="#">Power Elec. Systems Lab</a> (*EET 410)	EET 440 [3] <a href="#">Feedback Control Systems</a> (MTT 301, EET 330 & *EET 441)
MTH 165 [3] <a href="#">Intensive Precalc I</a> OR MTH 167 [3] <a href="#">Precalculus I</a>	MTH 149 [4] <a href="#">Math for Business Majors II</a> (MTH 165 or MTH 167 – C or better)	GET 285 [3] <a href="#">Science of Alternative Energy</a>	CHM 256 [1] <a href="#">College Chemistry Lab 1</a> (MTH 149)	PHL 215 [3] A&H <a href="#">Engineering Ethics</a> (ENG 102 or ESC 102)	EET 494 [3] <a href="#">Advanced Topics in Electronics</a>	EET 415 [3] <a href="#">Electronic Circuits/ Signals/Systems</a> (EET 201, EET 330 & *EET 416)	EET 441 [1] <a href="#">Feedback Control Systems Lab</a> (*EET 440) (WAC)
ESC 120 [2] <a href="#">Intro to Engineering Design</a>		General Ed. Elective [3]	Business Elective [3]	MTT 300 [3] <a href="#">Applied Math</a> (MTH 149)	MTT 301 [3] <a href="#">Advanced Applied Math</a> (MTT 300)	EET 416 [1] <a href="#">Electronic Circuits/ Signals/Systems Lab</a> (*EET 415)	General Ed. Elective [3]
★ ESC 100 [1] <a href="#">New Student Orientation</a>		Communications Elective [3] (WAC)	General Ed. Elective [3]	General Ed. Elective [3]		EET 494 [3] <a href="#">Advanced Topics in Electronics</a> (Senior Standing)	
						General Ed. Elective [3]	
15 Total Credit Hours	15 Total Credit Hours	16 Total Credit Hours	16 Total Credit Hours	16 Total Credit Hours	15 Total Credit Hours	15 Total Credit Hours	13 Total Credit Hours
Total Credits for EET Degree: 122 or 123 including ESC 130 Engineering Co-op Orientation							

(Prerequisites) • (\*Pre/co-requisite) • [# of Course Credits] • EET XXX = Only Offered That Fall/Spring Semester

- Required EET Courses \*\*Highly recommended, yet optional.
- Required Science Courses
- Required English Courses (ESC 102 is preferred. However, can be substituted with ENG 102.)
- Required Writing Across the Curriculum (WAC)

- Required EET Electives
- Required Math Courses
- General Ed. Electives (2 A&Hs, 2 SSs, 1 ALAAME, & 2 DIVs)

★ Must take ESC 100 (Exception of ASC 101 upon WCE Advisor Approval or special ASC 101 section)

**EASILY EARN AN IST MINOR AS AN EET MAJOR! [CLICK HERE TO LEARN HOW](#)**  
**EASILY EARN AN OSM MINOR AS AN EET MAJOR! [CLICK HERE TO LEARN HOW](#)**

↓ [Scroll Down to View the 5-Year Plan Degree Chart](#) ↓

5-Year Recommended Course Sequence

[CLICK HERE](#) to access the Course Catalog Descriptions

Fall Semester 1	Spring Semester 2	Fall Semester 3	Spring Semester 4	Fall Semester 5	Spring Semester 6	Fall Semester 7	Spring Semester 8	Fall Semester 9	Spring Semester 10
<b>EET 205 [3]</b> DC Circuits	<b>ESC 120 [2]</b> Intro to Engineering Design	<b>EET 201 [3]</b> Fundamentals of Electronics ( <b>EET 205 &amp; ESC 120</b> )	<b>EET 202 [3]</b> Fundamentals of Digital Systems ( <b>EET 201</b> )	<b>EET 315 [3]</b> Microprocessors & Digital Systems Design ( <b>EET 202</b> )	<b>GET 315 [3]</b> Advanced Programming Methods	<b>GET 310 [3]</b> Computer Systems Tech. (* <b>EET 315</b> )	<b>EET 440 [3]</b> Feedback Control Systems ( <b>MTT 301 and EET 330</b> )	<b>EET 460 [1]</b> Senior Design A ( <b>Senior Standing</b> )	<b>EET 480 [3]</b> Senior Design B ( <b>MET 460</b> )
<b>GET 255 [3]</b> Intro Robotics & Automated System	<b>EET 207 [3]</b> AC Circuits ( <b>EET 205</b> )	<b>GET 240 [3]</b> Programmable Logic Controllers ( <b>EET 205</b> )	<b>CHM 251 [3]</b> College Chemistry 1 ( <b>MTH 149</b> )	<b>EET 316 [1]</b> Microprocessors & Digital Systems Design Lab ( <b>EET 202</b> )	<b>EET 320 [3]</b> Embed Microprocessor Systems ( <b>EET 315</b> )	<b>EET 415 [3]</b> Electronic Circuits/ Signals/Systems ( <b>EET 201 and EET 330</b> )	<b>EET 441 [1]</b> Feedback Control Systems Lab ( <b>MTT 301 and EET 330</b> )	<b>EET 410 [3]</b> Power Electronic Systems ( <b>MTT 301 &amp; EET 330</b> )	<b>GET 444 [3]</b> HMI Applications for PLC's ( <b>GET 240</b> )
<b>ENG 100 [3]</b> Intensive Writing or <b>ENG 101 [3]</b> College Writing I	<b>MTH 149 [4]</b> Math for Business Majors II ( <b>MTH 165 or MTH 167 – C or better</b> )	** <b>ESC 130 [1]</b> Engineering Co-op Orientation	<b>CHM 256 [1]</b> College Chemistry 1 Lab ( <b>MTH 149</b> )	<b>GET 285 [3]</b> Science of Alternative Energy	<b>EET 330 [3]</b> Adv. Circuit Analysis ( <b>EET 207 and MTT 300</b> )	<b>EET 416 [1]</b> Electronic Circuits/ Signals/Systems Lab ( <b>EET 201 and EET 330</b> )	<b>EET 494 [3]</b> Advanced Topics in Electronics	<b>EET 441 [1]</b> Feedback Control Systems Lab ( <b>MTT 301 and EET 330</b> ) (WAC)	<b>EET 430 [3]</b> App. Of FPGA's & VHDL ( <b>EET 315 and EET 316</b> )
<b>MTH 165 [3]</b> Intensive Precalc I OR <b>MTH 167 [3]</b> Precalculus I	<b>ESC 102 [3]</b> Technical Writing (Preferred) ( <b>ENG 100 or ENG 101</b> )	<b>PHY 221 [5]</b> College Physics I ( <b>MTH 165 or MTH 167</b> )	General Ed. Elective [3]	<b>MTT 300 [3]</b> Applied Math ( <b>MTH 149</b> )	<b>MTT 301 [3]</b> Advanced Applied Math ( <b>MTT 300</b> )	<b>PHL 215 [3] A&amp;H</b> Engineering Ethics ( <b>ENG 102 or ESC 102</b> ) (WAC)	Business Elective [3]	<b>EET 494 [3]</b> Advanced Topics in Electronics	<b>EET 494 [3]</b> Advanced Topics in Electronics
★ <b>ESC 100 [1]</b> New Student Orientation			Communications Elective [3] (WAC)	General Ed. Elective [3]		General Ed. Elective [3]	General Ed. Elective [3]	General Ed. Elective [3]	
								<b>IST 203 [3]</b> Software Tools	
<b>13 Total Credit Hours</b>	<b>12 Total Credit Hours</b>	<b>12 Total Credit Hours</b>	<b>13 Total Credit Hours</b>	<b>13 Total Credit Hours</b>	<b>12 Total Credit Hours</b>	<b>13 Total Credit Hours</b>	<b>12 Total Credit Hours</b>	<b>14 Total Credit Hours</b>	<b>12 Total Credit Hours</b>
<b>Total Credits for EET Degree: 122 or 123 including ESC 130 Engineering Co-op Orientation</b>									

(Prerequisites) • (\*Pre/co-requisite) • [# of Course Credits] • EET XXX = Only Offered That Fall/Spring Semester

- Required EET Courses \*\*Highly recommended, yet optional.
- Required Science Courses
- Required English Courses (ESC 102 is preferred. However, can be substituted with ENG 102.)
- Required Writing Across the Curriculum (WAC)

- Required EET Electives
- Required Math Courses
- General Ed. Electives (2 A&Hs, 2 Ss, 1 ALAAME, & 2 DIVs)

★ Must take ESC 100 (Exception of ASC 101 upon WCE Advisor Approval or special ASC 101 section)

**EASILY EARN AN IST MINOR AS AN EET MAJOR! [CLICK HERE TO LEARN HOW](#)**  
**EASILY EARN AN OSM MINOR AS AN EET MAJOR! [CLICK HERE TO LEARN HOW](#)**

↓ **Be Sure to Select a Course Listed Below that Qualifies for Two (2) General Ed. Electives** ↓

Updated Fall 2023

To eliminate one (1) of your General Education Requirements,  
consider taking a course that qualifies as two (2) General Ed. Electives

Recommended Courses that Qualify as Two (2) General Ed. Electives

Course	Social Sciences (SS)	Arts & Humanities (AH)	Non-Western Social Sciences (ALAAME & NW-SS)
<a href="#">ANT 153 – Intro to African Cultures</a>	X		X
<a href="#">ANT 275 – Ancient Mysteries</a>	X		X
<a href="#">COM 201 – Com &amp; Relationships / East Asian</a>	X		X
<a href="#">COM 233 – Bollywood &amp; Beyond</a>	X		X
<a href="#">HIS 103 – Ancient World His to 1300 C.E.</a>	X		X
<a href="#">HIS 104 – Modern World History</a>	X		X
<a href="#">SOC 210 – Dev. Societies in Changing World</a>	X		X
<a href="#">UST 206 – Megacities of Asia</a>	X		X
<a href="#">UST 222 – World Population and Society</a>	X		X
<a href="#">ANT 103 – Rise/Fall of Civilizations</a>		X	X
<a href="#">ANT 171 – Native Civilization of Americas</a>		X	X
<a href="#">ARB 274 – Introduction to Middle East</a>		X	X
<a href="#">ART 281 – Asian Art</a>		X	X
<a href="#">ART 286 – African Art</a>		X	X
<a href="#">ENG 204 – World Literature</a>		X	X
<a href="#">HIS 165 – Intro to Latin American History</a>		X	X
<a href="#">HIS 175 – Intro to African History</a>		X	X
<a href="#">HIS 185 – Survey of Middle Eastern History</a>		X	X
<a href="#">HIS 195 – Intro to East Asian History</a>		X	X
<a href="#">MUS 263 – Black Music of Two Worlds</a>		X	X
<a href="#">PHL 255 – Non-Western Philosophy</a>		X	X
<a href="#">PHL 262 – Medieval Philosophy</a>		X	X
<a href="#">REL 101 – Understanding Religion</a>		X	X
<a href="#">REL 268 – Religion &amp; Culture in Africa</a>		X	X
<a href="#">WLC 265 – Francophone Lit in Translation</a>		X	X

Popular Introductory General Ed.  
Courses for Engineering Students

**SOCIAL SCIENCES (SS)**

[PSY 220 – Child Development](#) (SS)

[UST 200 – Intro to Urban Studies](#) (SS)

[COM 233 – Bollywood & Beyond](#) (SS & ALAAME)

**ARTS & HUMANITIES (AH)**

[MUS 161 – Roots of Rock & Soul](#) (AH)

[UST 201 – Building Cleveland](#) (AH)

[REL 101 – Understanding Religion](#) (AH & ALAAME)

[MUS 263 – Black Music of Two Worlds](#) (AH & ALAAME)

[ANT 171 – Native Civilization of America](#) (AH & ALAAME)

**US DIVERSITY (US DIV)**

[ANT 100 – Human Diversity](#) (US DIV)

[SOC 201 – Race/Class/Gender](#) (US DIV)

**AFRICAN-AMERICAN (AFRICAN-AMER.)**

[SWK 150 – The Black Experience](#) (African- Amer.)

[UST 202 – Cleveland: The Afr-Amer Exp.](#) (African-Amer.)