Washkewicz College of Engineering

ELECTRONICS ENGINEERING TECHNOLOGY DEGREE CHARTS

IST Minor

(Prerequisites Included)

Select your Mathematics entry course:

1. 4-Year Plan
2. 5-Year Plan

Bachelor of ELECTRONICS ENGINEERING TECHNOLOGY (EET) – Fall 2022
4-Year Recommended Course Sequence with IST Minor

Fall Semester 1	Spring Semester 2	Fall Semester 3	Spring Semester 4	Fall Semester 5	Spring Semester 6	Fall Semester 7	Spring Semester 8
EET 205 [3] DC Circuits	EET 207 [3] AC Circuits (EET 205)	EET 201 [3] Fundamentals of Electronics (EET 205)	EET 202 [3] Fundamentals of Digital Systems (EET 201)	EET 315 [3] Microprocessors & Digital Systems Design (EET 202)	EET 320 [3] Embed Microprocessor Systems (EET 315)	EET 460 [1] Senior Design A (Senior Standing)	EET 480 [3] Senior Design B (MET 460)
ESC 100 [1] New Student Orientation	ESC 120 [2] Intro to Engineering Design	GET 240 [3] Programmable Logic Controllers (EET 205)	GET 315 [3] Advanced Programming Methods	EET 316 [1] Microprocessors & Digital Systems Design Lab (EET 202)	EET 330 [3] Adv. Circuit Analysis (EET 207 and MTT 300)	EET 410 [3] Power Electronic Systems (MTT 301 & EET 330)	GET 444 [3] HMI Applications for PLC's (GET 240)
GET 255 [3] Intro Robotics & Automated Systems	PHY 221 [5] College Physics I (MTH 165 or MTH 167)	**ESC 130 [1] Engineering Co-op Orientation	CHM 251 [3] College Chemistry 1 (MTH 149)	GET 310 [3] Computer Systems Tech. (*EET 315)	EET 430 [3] App. of FPGA's & VHDL (EET 315 and EET 316)	EET 411 [1] Power Elec. Systems Lab (MTT 301 & EET 330)	EET 440 [3] Feedback Control Systems (MTT 301 and EET 330)
MTH 165 [3] Intensive Precalc I or MTH 167 [3] Precalculus I	MTH 149 [4] Math for Business Majors II (MTH 148)	GET 285 [3] Science of Alternative Energy	CHM 256 [1] College Chemistry 1 Lab (MTH 149)	PHL 215 [3] A&H Engineering Ethics (ENG 102 or ESC 102) (WAC)	EET 494 [3] Advanced Topics in Electronics	EET 415 [3] Electronic Circuits/ Signals/Systems (EET 201 and EET 330)	EET 441 [1] Feedback Control Systems Lab (MTT 301 and EET 330) (WAC)
ENG 100 [3] Intensive Writing or ENG 101 [3] College Writing 1	ESC 102 [3] Technical Writing (Preferred) (ENG 100 or ENG 101)	General Ed. Elective [3]	IST 203 [3] Software Tools	MTT 300 [3] Applied Math (MTH 149)	MTT 301 [3] Advanced Applied Math (MTT 300)	EET 416 [1] Electronic Circuits/ Signals/Systems Lab (EET 201 and EET 330)	EET 494 [3] Advanced Topics in Electronics
General Ed. Elective [3]		Communications Elective [3] (WAC)	General Ed. Elective [3]	IST 211 [4] Fundamentals of Systems Dev. (IST 203)	IST 321 [3] Systems Analysis Methods (IST 221)	IST 331 [3] Modern Database Design (IST 221)	IST Elective [3]
						General Ed. Elective [3]	
						General Ed. Elective [3]	
16 Total Credit Hours	16 Total Credit Hours	16 Total Credit Hours	16 Total Credit Hours	17 Total Credit Hours	18 Total Credit Hours	18 Total Credit Hours	16 Total Credit Hours

Total Credits for EET Degree: 131 or 132 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)
- IST Minor Requirements
- Required EET Electives
- Required Math Courses
- General Ed. Electives (2 A&Hs, 2 SSs, 1 ALAAME, & 2 DIVs)

EASILY EARN AN OSM MINOR AS AN EET MAJOR! CLICK HERE TO LEARN HOW

↓ **Scroll Down to View the 5-Year Plan Degree Chart** ↓

Bachelor of ELECTRONICS ENGINEERING TECHNOLOGY (EET) - Fall 2022
5-Year Recommended Course Sequence with IST Minor

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
EET 205 [3] DC Circuits	ESC 120 [2] Intro to Engineering Design	EET 201 [3] Fundamentals of Electronics (EET 205)	EET 202 [3] Fundamentals of Digital Systems (EET 201)	EET 315 [3] Microprocessors & Digital Systems Design (EET 202)	GET 315 [3] Advanced Programming Methods	GET 310 [3] Computer Systems Tech. (*EET 315)	EET 440 [3] Feedback Control Systems (MTT 301 and EET 330)	EET 460 [1] Senior Design A (Senior Standing)	EET 480 [3] Senior Design B (MET 460)
GET 255 [3] Intro Robotics & Automated System	EET 207 [3] AC Circuits (EET 205)	GET 240 [3] Programmable Logic Controllers (EET 205)	CHM 251 [3] College Chemistry 1 (MTH 149)	EET 316 [1] Microprocessors & Digital Systems Design Lab (EET 202)	EET 320 [3] Embed Microprocessor Systems (EET 315)	EET 415 [3] Electronic Circuits/ Signals/Systems (EET 201 and EET 330)	EET 441 [1] Feedback Control Systems Lab (MTT 301 and EET 330)	EET 410 [3] Power Electronic Systems (MTT 301 & EET 330)	GET 444 [3] HMI Applications for PLC's (GET 240)
ENG 100 [3] Intensive Writing or ENG 101 [3] College Writing 1	MTH 149 [4] Math for Business Majors II (MTH 148)	**ESC 130 [1] Engineering Co-op Orientation	CHM 256 [1] College Chemistry 1 Lab (MTH 149)	GET 285 [3] Science of Alternative Energy	EET 330 [3] Advanced Circuit Analysis (EET 207 and MTT 300)	EET 416 [1] Electronic Circuits/ Signals/Systems Lab (EET 201 and EET 330)	IST 321 [3] Systems Analysis Methods (IST 221)	EET 441 [1] Feedback Control Systems Lab (MTT 301 and EET 330) (WAC)	EET 430 [3] App. Of FPGA's & VHDL (EET 315 and EET 316)
MTH 165 [3] Intensive Precalc I OR MTH 167 [3] Precalculus I	ESC 102 [3] Technical Writing (Preferred) (ENG 100 or ENG 101)	PHY 221 [5] College Physics I (MTH 165 or MTH 167)	IST 203 [3] Software Tools	MTT 300 [3] Applied Math (MTH 149)	MTT 301 [3] Advanced Applied Math (MTT 300)	IST Elective [3]	IST Elective [3]	IST 331 [3] Modern Database Design (IST 221)	EET 494 [3] Advanced Topics in Electronics
ESC 100 [1] New Student Orientation			Communications Elective [3] (WAC)	IST 211 [4] Fundamentals of Systems Dev. (IST 203)	General Ed. Elective [3]	General Ed. Elective [3]	General Ed. Elective [3]	General Ed. Elective [3]	EET 494 [3] Advanced Topics in Electronics
								General Ed. Elective [3]	
13 Total Credit Hours	12 Total Credit Hours	12 Total Credit Hours	13 Total Credit Hours	14 Total Credit Hours	15 Total Credit Hours	13 Total Credit Hours	12 Total Credit Hours	14 Total Credit Hours	15 Total Credit Hours

Total Credits for EET Degree: 131 or 132 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)
- IST Minor Requirements
- Required EET Electives
- Required Math Courses
- General Ed. Electives (2 A&Hs, 2 SSs, 1 ALAAME, & 2 DIVs)

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 ↓

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

Updated Fall 2022

Recommended Courses that Qualify as Two (2) General Ed. Electives			
Course	Social Sciences (SS)	Arts & Humanities (AH)	Non–Western Social Sciences (ALAAME & NW-SS)
ANT 275 – Ancient Mysteries	X		X
COM 233 – Bollywood & Beyond	X		X
HIS 104 – Modern World History	X		X
SOC 210 – Dev. Societies in Changing World	X		X
UST 206 – Megacities of Asia	X		X
ANT 103 – Rise/Fall of Civilizations		X	X
ART 281 – Asian Art		X	X
MUS 263 – Black Music of Two Worlds		X	X
REL 101 – Understanding Religion		X	X

Popular Introductory General Ed. Courses for Engineering Students

MUS 161 – Roots of Rock & Soul (AH)

UST 201 – Building Cleveland (NEW) (AH)

REL 101 – Understanding Religion (AH & ALAAME)

UST 200 – Intro to Urban Studies (SS)

ANT 275 – Ancient Mysteries (SS & ALAAME)

SWK 150 – The Black Experience (African American DIV)

ANT 100 – Human Diversity (US DIV)

SOC 201 – Race/Class/Gender (US DIV)