

Washkewicz College of Engineering

ELECTRONICS ENGINEERING TECHNOLOGY DEGREE CHARTS OSM 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 OSM Minor

Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	
<u>EET 205 [3]</u>	<u>EET 207</u> [3]	<u>EET 201</u> [3]	<u>EET 202</u> [3]	<u>EET 315 [3]</u>	<u>EET 320 [3]</u>	<u>EET 460</u> [1]	<u>EET 480</u> [3]	
DC Circuits	AC Circuits	Fundamentals	Fundamentals of	Microprocessors & Digital	Embed Microprocessor	Senior Design A	Senior Design B	
	(EET 205)	of Electronics	Digital Systems	Systems Design	Systems	(Senior Standing)	(MET 460)	
FCC 400 [4]	FCC 420 [2]	(EET 205)	(EET 201)	(EET 202)	(EET 315)	FFT 440 [2]		
ESC 100 [1]	ESC 120 [2]	<u>GET 240</u> [3]	<u>GET 315</u> [3]	EET 316 [1]	EET 330 [3]	EET 410 [3]	<u>GET 444</u> [3]	
New Student	Intro to	Programmable Logic Controllers	Advanced Programming Methods	Microprocessors & Digital Systems Design Lab	Adv. Circuit Analysis	Power Electronic Systems	HMI Applications for PLC's	
Orientation	Engineering Design	(EET 205)	Wiethous	(EET 202)	(EET 207 and MTT 300)	(MTT 301 & EET 330)	(GET 240)	
<u>GET 255 [3]</u>	PHY 221 [5]	**ESC 130 [1]	CHM 251 [3]	<u>GET 310 [3]</u>	EET 430 [3]	EET 411 [1]	EET 440 [3]	
Intro Robotics &	College Physics I	Engineering	College Chemistry 1	Computer Systems Tech.	App. of FPGA's & VHDL	Power Elec. Systems Lab	Feedback Control Systems	
Automated Systems	(MTH 165 or MTH 167)	Co-op Orientation	(MTH 149)	(*EET 315)	(EET 315 and EET 316)	(MTT 301 & EET 330)	(MTT 301 and EET 330)	
MTH 165 [3]	MTH 149 [4]	GET 285 [3]	CHM 256 [1]	PHL 215 [3] A&H	EET 494 [3]	EET 415 [3]	EET 441 [1]	
Intensive Precalc I	Math for Business	Science of	College	Engineering Ethics	Advanced Topics	Electronic Circuits/	Feedback Control	
or	Majors II	Alternative Energy	Chemistry 1 Lab	(ENG 102 or ESC 102)	in Electronics	Signals/Systems	Systems Lab	
MTH 167 [3] Precalculus I	(MTH 148)	, aternative Energy	(MTH 149)	(WAC)	In Licet offics	(EET 201 and EET 330)	(MTT 301 and EET 330)	
ENG 100 [3]		General Ed.	BUS 201 [3]		MTT 201 [2]	· · · · · · · · · · · · · · · · · · ·	(WAC) OSM Elective [3]	
Intensive Writing	ESC 102 [3] Technical Writing		Applied Business	<u>MTT 300</u> [3]	<u>MTT 301</u> [3]	EET 416 [1] Electronic Circuits/	300-400 Level	
or	(Preferred)	Elective [3]	Statistics	Applied Math (MTH 149)	Advanced Applied Math	Signals/Systems Lab	300-400 Level	
ENG 101 [3]	(ENG 100 or ENG 101)		(MTH 165 or MTH 167)	(1011 H 149)	(MTT 300)	(EET 201 and EET 330)		
College Writing 1	(2110 100 01 2110 201)							
General Ed.		Communications	General Ed.	OSM 311 [3]	OSM Elective [3]	OSM Elective [3]	OSM Elective [3]	
Elective [3]		Elective [3] (WAC)	Elective [3]	Intro to Operations	300-400 Level	300-400 Level	300-400 Level	
				Management (MTH 149 and BUS 201)				
				(10111145 and 005 201)		General Ed.		
						Elective [3]		
						General Ed.		
						Elective [3]		
16 Total	16 Total	16 Total	16 Total	16 Total	18 Total	18 Total	16 Total	
Credit Hours	Credit Hours	Credit Hours	Credit Hours	Credit Hours	Credit Hours	Credit Hours	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 Math Courses								
Required English Courses (ESC 102 is preferred. However, can be substituted with ENG 102.) General Ed. Electives (2 A&Hs, 2 SSs, 1 ALAAME, & 2 DIVs)								
Required Writing Across the Curriculum (WAC)								
OSM Minor Requirements								
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 \downarrow Scroll Down to View the 5-Year Plan Degree Chart \downarrow

Bachelor of ELECTRONICS ENGINEERING TECHNOLOGY (EET) – Fall 2022 5-Year Recommended Course Sequence with OSM 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)	OSM Elective [3] 300-400 Level	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)	BUS 201 [3] Applied Business Statistics (MTH 165 or MTH 167)	MTT 300 [3] Applied Math (MTH 149)	MTT 301 [3] Advanced Applied Math (MTT 300)	PHL 215 [3] A&H Engineering Ethics (ENG 102 or ESC 102) (WAC)	OSM Elective [3] 300-400 Level	OSM Elective [3] 300-400 Level	OSM Elective [3] 300-400 Level
ESC 100 [1] New Student Orientation			Communications Elective [3] (WAC)	OSM 311 [3] Intro to Operations Management (MTH 149 and BUS 201)	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	13 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] • <u>EET XXX = Only Offered That Fall/Spring Semester</u>									
Required EET Courses **Highly recommended, yet optional. Required EET Clectives Required Science Courses Required Science Courses Required English Courses (ESC 102 is preferred. However, can be substituted with ENG 102.) General Ed. Electives (2 A&Hs, 2 SSs, 1 ALAAME, & 2 DIVs) Required Writing Across the Curriculum (WAC) EASILY EARN AN IST MINOR AS AN EET MAJOR! CLICK HERE TO LEARN HOW									

 $\downarrow\,$ Be Sure to Select a Course Listed Below that Qualifies for Two (2) General Ed. Electives $\downarrow\,$

OSM Minor Requirements

To eliminate one (1) consider taking a course Recommended Courses	Popular Introductory General Ed. Courses for Engineering Students						
Course	Social Sciences (SS)	Arts & Humanities (AH)	Non–Western Social Sciences (ALAAME & NW-SS)	MUS 161 – Roots of Rock & Soul (AH)			
ANT 275 – Ancient Mysteries	X		X	UST 201 – Building Cleveland (NEW) (AH)			
COM 233 – Bollywood & Beyond	X		X	REL 101 – Understanding Religion (AH & ALAAME)			
HIS 104 – Modern World History	X		X	UST 200 – Intro to Urban Studies (SS)			
SOC 210 – Dev. Societies in Changing World	X		X				
UST 206 – Megacities of Asia	X		X	ANT 275 – Ancient Mysteries (SS & ALAAME)			
ANT 103 – Rise/Fall of Civilizations		X	X	SWK 150 – The Black Experience			
ART 281 – Asian Art		X	X	(African American DIV)			
MUS 263 – Black Music of Two Worlds		X	X	ANT 100 – Human Diversity (US DIV)			
REL 101 – Understanding Religion		X	Х	SOC 201 – Race/Class/Gender (US DIV)			