

Electrical Engineering Technology - Power Systems Major

Engineering & Information Technologies

2022-2023 Curriculum

Course	Title	Pre-Reqs	Lec	Lab	Credit Hours
Semester 1					
EET-100	Introduction to Electrical Engineering Technology		1	2	2
EMET-110	CAD for Electro-Mechanical Systems		2	3	3
ENG-101	English Composition 1		3	0	3
FYE-XXX	First Year Experience Elective		1	0	1
MAT-XXX	Math Elective 1		3	2	4

13

Semester 2

CIT-105	OSHA 10 General Industry Safety		1	0	1
CIT-190	Career Prep		1	0	1
EET-131	Circuit Analysis 1	Appropriate MAT level	3	2	4
ENG-10X	English Composition Elective	ENG 101	3	0	3
MAT-XXX	Math Elective 2		3	2	4

13

Semester 3

EET-132	Circuit Analysis 2	EET 131, MAT 125	3	2	4
EET-291	Full-Time Cooperative Education 1: EET		1	40	2
PSET-140	Power Systems Foundations	EET 131	2	2	3

9

Semester 4

ECO-1XX	Economics Elective	ENG 101	3	0	3
EET-121	Digital 1	EET 131, MAT 121	2	3	3
EMET-252	Motors, Motor Controls, and Variable Drives	EET 132	2	3	3
PSET-225	Industrial and Commercial Power Design	PSET 140	3	3	4

13

Semester 5

EMET-141	Programmable Logic Controllers	125	2	3	3
PHY-XXX	Physics Elective		3	3	4
PSET-275	Protective Relays and Controls	EMET 240, PSET 225	2	3	3
PSET-290	Power Systems Capstone	PSET 225	1	2	2

12

Semester 6

EET-292	Full-Time Cooperative Education 2: EET	PSET 291	1	40	2
NETC-121	Network Comm 1	MAT 120	2	2	3

5

Total **65**

Economics Elective: ECO 105, ECO 110

English Composition Elective: ENG 102, ENG 103, ENG 104, ENG 105

First Year Experience: FYE 100, FYE 105, FYE 110

Math Electives: Take one of the following series: (MAT 125 and MAT 126) or (MAT 251 and MAT 252)

Physics Elective: PHY 151, PHY 201