

Power Systems Engineering Technology

Center for Innovative Technologies Division

2015-2016 Curriculum

Note: All degree seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.

Course	Title	Pre-Reqs	Lec	Lab	Credit Hours
Semester 1					
EET-131	Circuit Analysis 1		3	2	4
EMET-140	EMET Foundations		1	2	2
ENG-101	English Composition 1		3	0	3
MAT-XXX	Math Elective 1		3	2	4
PSET-110	Power Systems CAD		2	3	3

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Semester 2

EET-132	Circuit Analysis 2	EET 131, MAT 125	3	2	4
MAT-XXX	Math Elective 2		3	2	4
PSET-120	Advanced CAD with GIS	PSET 110	2	2	3
PSET-130	National Electric Code & National Electric Safety Code	EET 131	1	2	2
PSET-140	Power Systems Foundations	EET 131	2	2	3

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Semester 3

ENG-10X	English Composition Elective	ENG 101	3	0	3
PSET-291	Full-Time Cooperative Education 1: PSET	EMET 140	1	40	2

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Semester 4

ECO-1XX	Economics Elective		3	0	3
PSET-225	Industrial and Commercial Power Design	PSET 120, PSET 140	3	3	4
EMET-240	PLCs, Motors, Motor Controls, and Kinematics	EET 132	2	3	3
PHY-XXX	Physics Elective		3	2	4
PSET-250	Power Transmission and Distribution Design	PSET 140	2	3	3

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Semester 5

COMM-110	Public Speaking	ENG 101	3	0	3
CULT-110	Social Issues in Technology	ENG 101	3	0	3
PSET-260	Stationary Engineering with Instrumentation and CO	EMET 140, EMET 240	3	3	4
PSET-275	Protective Relays and Controls	PSET 225	2	3	3
PSET-290	Power Systems Capstone	PSET 220	1	2	2

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Semester 6

PSET-292	Full-Time Cooperative Education 2: PSET	PSET 291	1	40	2
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Total **71**

Economics Elective: ECO 105, ECO 110

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

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