Electrical Engineering Technology - Power Systems Major (PSET)

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Power systems engineers monitor and maintain the quality, availability, reliability, transferability, and safety of the power systems we rely on daily, including smart grid technologies for distributed power generation and smart transmission line system technology.

Graduates of the Electrical Engineering Technology - Power System Major earn an Associate of Applied Science degree, and have the skills and competencies needed to begin careers and advance professionally through technical and management positions in the power systems or electrical engineering fields.

Possible employers include utility companies, industrial organizations, consultants, and other service providers. Graduates also are prepared to continue their studies in a bachelor's degree program.

For more information, please contact the Center for Innovative Technologies at (513) 569-1743.

To apply for this program at Cincinnati State, visit our Admissions Page (http://www.cincinnatistate.edu/academics/admission)

Electrical Engineering Technology - Power Systems Major (PSET)

Semester 1		**Lec**	**Lab**	**Credits**
CIT 105	OSHA 10 General Industry Safety (**B**)	1	0	1
EET 131	Circuit Analysis 1 (**B**)	3	2	4
ENG 101	English Composition 1 (**G**)	3	0	3
PSET 110	Power Systems Computer Aided Drafting (**B**)	2	3	3
MAT XXX	Mathematics Elective 1 (**G**)	3	2	4
FYE 10X	First Year Experience Elective (**B**)	1	0	1
Semester 2				
EET 132	Circuit Analysis 2 (**T**)	3	2	4
PSET 140	Power Systems Foundations (**T**)	2	2	3
PSET 120	Geographic Information Systems (GIS) (**T**)	2	2	3
PSET 130	National Electric Code and National Electric Safety Code (**B**)	1	2	2
MAT XXX	Mathematics Elective 2 (**B**)	3	2	4
Semester 3				
EET 291	Full-Time Cooperative Education 1: Electronics Engineering Technology (**T**)	1	40	2
Semester 4				
EMET 240	Programmable Logic Controllers, Motors, Motor Controls, and Kinematics (**T**)	2	3	3
PSET 225	Industrial and Commercial Power Design (**T**)	3	3	4
PSET 250	Power Transmission and Distribution Design (**T**)	2	3	3
ENG 10X	English Composition Elective (**G**)	3	0	3
PHY XXX	Physics Elective (**G**)	3	3	4
Semester 5				
PSET 260	Stationary Engineering with Instrumentation and Controls (**T**)	3	3	4
PSET 275	Protective Relays and Controls (**T**)	2	3	3
PSET 290	Power Systems Capstone (**T**)	1	2	2
ECO 1XX	Economics Elective (**G**)	3	0	3
Semester 6				
EET 292	Full-Time Cooperative Education 2: Electronics Engineering Technology (**T**)	1	40	2
Total Credits:		48	117	65

Electives

Mathematics Electives		8
Select one of the following series:		
MAT 125 & MAT 126	Algebra and Trigonometry and Functions and Calculus	
Or		
MAT 251 & MAT 252	Calculus 1 and Calculus 2	
First Year Experience Elective		
FYE 100	College Survival Skills	1
FYE 105	College Success Strategies	2
FYE 110	Community College Experience	3
English Composition Elective		
ENG 102	English Composition 2: Contemporary Issues	3
ENG 103	English Composition 2: Writing about Literature	3
ENG 104	English Composition 2: Technical Communication	3
ENG 105	English Composition 2: Business Communication	3
Physics Elective		
PHY 151	Physics 1: Algebra and Trigonometry-Based	4
PHY 201	Physics 1: Calculus-Based	5

Economics Elective		
ECO 105	Principles of Microeconomics	3
ECO 110	Principles of Macroeconomics	3

The letters G, B, and T (displayed after course titles or elective descriptions) identify types of courses required by the Ohio Department of Higher Education as part of an associate's degree curriculum.

G = General Education course in this curriculum

B = Basic Skills course in this curriculum

T = Technical course in this curriculum

Faculty

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