Power Systems Engineering Technology (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. Power Systems Engineering Technology graduates have the skills and competencies needed to begin careers and advance professionally through technical and management positions with major employers in the power engineering community. Graduates also are prepared to continue their studies in a bachelor's degree program.

The Power Systems Engineering Technology program is accredited by Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, phone (410) 347-7700.

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

Semester 1		**Credits**
ENG 101	English Composition	3
PSET 110	Power Systems CAD	3
EET 131	Circuit Analysis 1	4
EMET 140	Electro-Mechanical Engineering Technology Foundations	2
MAT XXX Mathematics Elective 1		4
Semester 2		
PSET 120	Advanced CAD with GIS	3
PSET 130	National Electric Code and National Electric Safety Code	2
EET 132	Circuit Analysis 2	4
PSET 140	Power Systems Foundations	3
MAT XXX Mathematics Elective 2		4
Semester 3		
ENG 10X English Composition Elective		3
PSET 291	Full-Time Cooperative Education 1: Power Systems Engineering Technology	2
Semester 4		
ECO 1XX Economics Elective		3
PSET 225	Industrial and Commercial Power Design	4
EMET 240	Programmable Logic Controllers, Motors, Motor Controls, and Kinematics	3
PSET 250	Power Transmission and Distribution Design	3
PHY XXX Physics Elective		4
Semester 5		
COMM 110	Public Speaking	3
CULT 110	Social Issues in Technology	3
PSET 260	Stationary Engineering with Instrumentation and Controls	4
PSET 275	Protective Relays and Controls	3
PSET 290	Power Systems Capstone	2
Semester 6		
PSET 292	Full-Time Cooperative Education 2: Power Systems Engineering Technology	2
Total Credits:		71

Electives

Mathematics Electives		
Select one of the following:		8-10
MAT 125 & MAT 126	Algebra and Trigonometry and Functions and Calculus	
MAT 251 & MAT 252	Calculus 1 and Calculus 2	
English Composition Elective		
ENG 102	Composition and Argument	3
ENG 103	Composition and Literature	3
ENG 104	Composition and Technical Communication	3
ENG 105	Composition and Business Communication	3
Economics Elective		
ECO 105	Principles of Microeconomics	3
ECO 110	Principles of Macroeconomics	3
Physics Elective		
PHY 151	Physics 1: Algebra and Trigonometry-Based	4
PHY 201	Physics 1: Calculus-Based	5