

ASSOCIATE OF TECHNICAL STUDY IN POWER PLANT TECHNOLOGY

Power Plant (Electrical Utilities) Technology

This program prepares graduates to perform basic operating functions required in electric utility power plants and other related industries. Students gain knowledge in electrical theory, electrical machinery and controls, power plant operations, boiler, turbine, and generator operations, power plant instrumentation, and pollution control equipment. In addition, college writing, oral communications, and general education form an integral part of the program. Upon successful completion of the program, students are prepared for entry-level employment in the utility industry.

Students in this program are awarded academic credit for skills-related experience and training to compliment the academic coursework at YSU. Graduates of this program are awarded an Associate of Technical Studies (ATS) Degree.

Course	Title	S.H.
Year 1		
Fall		
ENGL 1550	Writing 1	3
ENTC 1500	Technical Skills Development	4
ENTC 1501	Introduction to Engineering Technology	2
EUT 1502 & 1502L	Power Plant Fundamentals and Power Plant Fundamentals Lab ¹	5
CSIS 1514	Business Computer Systems	3
Semester Hours		17
Spring		
EUT 1500 & 1500L	Electrical Fundamentals and Electrical Fundamentals Lab	4
EUT 1503 & 1503L	Power Plant Mechanical Equipment and Power Plant Mechanical Equipment Lab	4
MATH 2623	Quantitative Reasoning	3
ENGL 1551	Writing 2	3
GER ²		3
Semester Hours		17
Summer		
EUT 2699	Electric Utility Co-op (Optional)	2
Semester Hours		2
Year 2		
Fall		
EUT 2604 & 2604L	Power Plant Electrical Equipment and Power Plant Electrical Equipment Lab	4
EUT 2605 & 2605L	Intermediate Power Plant Systems and Intermediate Power Plant Systems Lab	4
EUT 2606	Power Plant Operator Practice	3
CMST 1545	Communication Foundations	3
Social Sciences GER ²		3
Semester Hours		17
Spring		
EUT 2607 & 2607L	Power Plant Instrumentation and Control and Power Plant Instrumentation & Control Lab	4

EUT 2608 & 2608L	Advanced Power Plant Systems and Advanced Power Plant Systems Lab	4
MGT 3725 or MGT 3750	Fundamentals of Management (recommended) or Managing Individuals in Organizations	3
Natural Science + Lab GER ²		4
Semester Hours		15
Total Semester Hours		68

- ¹ MATH 1501 Elementary Algebraic Models or level 20 on the MPT and eligibility to take ENGL 1550 Writing 1 (i.e., completion of R&SK and ENGL 1540 Introduction to College Writing or test out) are prerequisites. ENTC 1500 Technical Skills Development is a pre- or co-requisite.
- ² General Education Requirement: see "Schedule of Classes" for details.