

BC3-YSU POWER PLANT TECHNOLOGY PROGRAM

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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 as power plant operators.

Associate of Technical Study Degree Program

<u>Fall Semester-First Year</u>			<u>Loc.</u>
()MATH 117	Technical Math 1	3 SH	BC3
()ENGL 101	English 1	3 SH	BC3
()ELEC 101	DC Circuits	4 SH	BC3
()EUT 1502/L	Power Plant Fundamentals & Lab*	<u>4+2 SH*</u>	YSU
			16 SH
<u>Spring Semester-First Year</u>			
()MATH 118	Technical Math 2	3 SH	BC3
()ENGL 102	English 2	3 SH	BC3
()PSYCH 201	Psychology	3 SH	BC3
()ELEC 102	AC Circuits	4 SH	BC3
()EUT 1503/L	Power Plant Mechanical Equipment & Lab	<u>3+1 SH</u>	YSU
			17 SH
<u>Summer Semester</u>			
()ECON 102	Microeconomics	3 SH	BC3
()EUT 2699	Electric Utility Co-op (Optional)	<u>2 SH</u>	YSU
			5 SH
<u>Semester 3-Second Year</u>			
()COMM 201	Speech	3 SH	BC3
()EUT 2604/L	Power Plant Elec. Equip. & Lab	<u>3+1 SH</u>	YSU
()EUT 2605/L	Inter. Power Plant Systems & Lab	<u>3+1 SH</u>	YSU
()EUT 2606/L	Power Plant Operator Practice & Lab	<u>3+1 SH</u>	YSU
			15 SH
<u>Semester 4-Second Year</u>			
()CHEM 112	Descriptive Chemistry	4 SH	BC3
()EUT 2607/L	Power Plant Inst and Control & Lab	<u>3+1 SH</u>	YSU
()EUT 2608/L	Advanced Power Plant Systems & Lab	<u>3+1 SH</u>	YSU
()EUT 2609/L	Power Plant Supervision & Lab	<u>3+1 SH</u>	YSU
			16 SH

Semester Hours for Degree 67-69 SH

*Note: MATH 091 and readiness to enroll in ENGL 101 are pre-requisites.