

# JCC-YSU POWER PLANT TECHNOLOGY PROGRAM

Professor Bosela (Program Coordinator) 330-941-3286

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

### First Year

#### Fall Semester

( )MTH 110	Technical Algebra*	3 SH	JCC
( )MTH 111	Technical Trigonometry*	3 SH	JCC
( )ELE 101	Circuits I*	4 SH	JCC
( )EUT 1502/L	Power Plant Fundamentals & Lab	4+2 SH	YSU
		16 SH	

#### Spring Semester

( )ELE 102	Circuits II	4 SH	JCC
( )ELE 104	DC Machinery	3 SH	JCC
( )ENG 101	English Composition I	3 SH	JCC
( )ECO 102	Microeconomics	3 SH	JCC
( )EUT 1503/L	Power Plant Mechanical Equipment & Lab	3+1 SH	YSU
		17 SH	

#### Summer Semester

( )EUT 2699	Electric Utility Co-op (Optional)	2 SH	YSU
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### Second Year

#### Semester 3

( )ELE 202	AC Machinery	3 SH	JCC
( )ENG 102	English Composition II	3 SH	JCC
( )COM 101	Public Speaking	3 SH	JCC
( )EUT 2605/L	Intermediate Power Plant Systems & Lab	3+1 SH	YSU
( )EUT 2606/L	Power Plant Operator Practice & Lab	3+1 SH	YSU
		17 SH	

#### Semester 4

( )ELE 207	General Instrumentation	3 SH	JCC
( )HSC 116	Principles of Wellness	3 SH	JCC
( )GSC 101	Introduction to Physical Science	4 SH	JCC
( )EUT 2608/L	Advanced Power Plant Systems & Lab	3+1 SH	YSU
( )EUT 2609/L	Power Plant Supervision & Lab	3+1 SH	YSU
		18 SH	

Semester Hours for degree    68-70 SH

\*Note: The prerequisite for these courses is MTH099 which may be required based on the results of the Math Placement Test. Students should complete MTH 099 prior to registration in EUT 1502/L to ensure timely completion of the program.

Updated            10/18/06