COURSES

INDUSTRIAL TECHNOLOGY

ELMT 1266 PRACTICUM - ELECTROMECHANICAL TECHNOLOGY

16 external hrs (2 Cr.) Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Credits
2

Distribution
ELMT

Course Fee
Lab Fee: $24

ELMT 1301 PROGRAMMABLE LOGIC CONTROLLERS

2 lec/2 lab (3 Cr.) An introduction to programmable logic controllers as used in industrial environments including basic concepts, programming, applications, troubleshooting of ladder logic, and interfacing of equipment.

Credits
3

Distribution
ELMT

Course Fee
Lab Fee: $24

ELMT 2337 ELECTRONIC TROUBLESHOOTING/SERVICE/REPAIR

3 lec/2 lab (3 Cr.) In-depth coverage of electronic systems, maintenance, troubleshooting, and repair. Topics include symptom identification, proper repair procedures, repair checkout, and preventative maintenance. Emphasis on safety and proper use of test equipment. May be offered as a capstone course.

Credits
3

Distribution
ELMT

Course Fee
Lab Fee: $24

ELMT 2339 ADVANCED PROGRAMMABLE LOGIC CONTROLLERS

2 lec/2 lab (3 Cr.) An advanced applications of programmable logic controllers as used in industrial environments including concepts of programming, industrial applications, troubleshooting ladder logic, and interfacing to equipment.

Credits
3

Distribution
ELMT

Course Fee
Lab Fee: $24

ELPT 1311 BASIC ELECTRICAL THEORY

3 lec (3 Cr.) An overview of the theory and practice of electrical circuits including calculations as applied to alternating and direct current.

Credits
3

Distribution
ELPT

Course Fee
Lab Fee: $24

ELPT 1325 NATIONAL ELECTRIC CODE I

3 lec (3 Cr.) An introductory study of the National Electric Code (NEC) for those employed in fields requiring knowledge of the Code. Emphasis on writing design, protection, methods, and materials; equipment for general use; and basic calculations.

Credits
3

Distribution
ELPT

Course Fee
Lab Fee: $24

ELPT 1341 MOTOR CONTROL

2 lec/2 lab (3 Cr.) Study of the operating principles of solid-state controls along with their practical applications. Topics include barking, jogging, plugging, and safety interlocks.

Credits
3

Distribution
ELPT

Course Fee
Lab Fee: $24

ELPT 1357 INDUSTRIAL WIRING

2 lec/2 lab (3 Cr.) Wiring methods used for industrial installations. Includes motor circuits, raceway and bus way installations, proper g rounding techniques, and associated safety procedures.

Credits
3

Distribution
ELPT

Course Fee
Lab Fee: $24

ELPT 2325 NATIONAL ELECTRICAL CODE II

3 lec/0l ab (3 Cr.) In-depth coverage of the National Electrical Code (NEC) for those employed in fields requiring knowledge of the Code. Emphasis on writing protection and methods, special conditions, and advanced calculations.

Credits
3

Distribution
ELPT

Course Fee
Lab Fee: $24

INMT 2345 INDUSTRIAL TROUBLESHOOTING

2 lec/2 lab (3 Cr.) An advanced study of the techniques used in troubleshooting various types of industrial equipment to include mechanical, electrical, hydraulic, and pneumatic systems and their control devices. Emphasis will be placed on the use of schematics and diagrams in conjunction with proper troubleshooting procedures.

Credits
3

Distribution
INMT

Course Fee
Lab Fee: $24

INTC 1305 INTRO TO INSTRUMENTATION

2 lec/2 lab (3 Cr.) Professional requirements of the instrumentation technician including an introduction to computer and calculator applications involved in basic electronic circuit analysis.

Credits
3

Distribution
INTC

Course Fee
Lab Fee: $24

Navarro College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate and baccalaureate degrees. Navarro College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Navarro College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).