Industrial Systems Technology
Diploma Program
IST4

Curriculum

Basic Skills – Total of 8 Hours
- ENGL 1010 Fundamentals of English I (3)
- EMPL 1000 Interpersonal Relations (2)
- MATH 1012 Foundations of Mathematics (3) - OR -
  MATH 1013 Algebraic Concepts (3)

Program-Specific Core – Total of 29 Hours
- IDSY 1130 Industrial Wiring (4)
- IDSY 1170 Industrial Mechanics (4)
- IDFC 1011 Direct Current I (3) - OR -
  IDSY 1101 DC Circuit Analysis (3)
- ELTR 1020 Electrical Systems Basics I (3) - OR -
  IDFC 1012 Alternating Current I (3) - OR -
  IDSY 1105 AC Circuit Analysis (3)
- IDSY 1110 Industrial Motor Controls (4)
- IDSY 1120 Basic Industrial PLCs (4)
- IDSY 1190 Fluid Power Systems (4)
- IDSY 1195 Pumps and Piping Systems (3)

Occupational-Related Electives – Choose 9 Hours

Total: 46 Hours

For more information about our graduation rates, the median debt of students who complete programs, and other important information please visit our website:
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Program Description
The Industrial Systems Technology diploma program is designed for the student who wishes to prepare for a career as an Industrial Systems technician/electrician. The program provides learning opportunities that introduce, develop, and reinforce academic and technical knowledge, skill, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to retrain or upgrade present knowledge and skill. The diploma program teaches skills in Industrial Systems Technology providing background skills in several areas of industrial maintenance, including electronics, industrial wiring, motors, controls, PLCs, instrumentation, fluidpower, mechanical, pumps and piping, and computers. Graduates of the program receive an Industrial Systems technology diploma that qualifies them for employment as industrial electricians or industrial systems technicians.

Program Specific Information
Students are accepted every semester based on course and space availability.

Program Length & Availability
4 Semesters
Campus Availability: Oakwood

Admissions Requirements
• Must be 16 years of age.
• High school diploma or GED is required prior to admission.
  *(Official transcripts or GED scores must be submitted from all colleges and/or high schools attended for credit.)*
• ACCUPLACER Testing, or submit SAT, ACT, CPE, COMPASS, or ASSET test scores.

Financial Aid
This program is eligible for the Pell Grant and may be eligible for Institutional and State Financial Aid. Contact a Financial Aid Counselor for eligibility requirements and application materials.