

CAREER AND COLLEGE PROMISE TECHNICAL EDUCATION INDUSTRIAL SYSTEMS (C50240HS)

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems.

Students will learn multi-craft technical skills in print reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, and includes various diagnostic and repair procedures. Practical application in these industrial systems will be emphasized and additional advanced course work may be offered.

Upon completion of this curriculum, graduates should be able to individually, or with a team, safely install, inspect, diagnose, repair, and maintain industrial process and support equipment. Students will also be encouraged to develop their skills as lifelong learners.

Course Requirements

	Course Title	Credits
First Year		
Fall Semester		
ISC-112	Industrial Safety	2
		Credit Hours: 2
Spring Semester		
BPR-111	Print Reading	2
		Credit Hours: 2
Second Year		
Fall Semester		
WLD-112	Basic Welding Processes	2
		Credit Hours: 2
Spring Semester		
HYD-110	Hydraulics/Pneumatics I	3
		Credit Hours: 3
Third Year		
Fall Semester		
ELC 131A	Circuit Analysis I	2
		Credit Hours: 2

299 DUAL ENROLLMENT/CAREER & COLLEGE PROMISE PROGRAMS

	Course Title	Credits
Spring Semester		
ELC 131B	Circuit Analysis I	2
		Credit Hours: 2
Fourth Year		
Fall Semester		
ELC-117A	Motors and Controls	2
		Credit Hours: 2
Spring Semester		
ELC 117B	Motors and Controls	2
		Credit Hours: 2
TOTAL SEMESTER CREDIT HOURS: 17		