

Maintenance Technology Workers are Vital to Industry

Area companies need skilled workers who know how to maintain complex electrical, mechanical, and electronic systems. This new career field is referred to as Integrated Systems Technology (IST).

ECC IST Program was awarded 1.5 million dollars for up-to-date maintenance technology training equipment and curriculum. ECC has dedicated three classrooms for the IST Program.

Computer assisted multimedia learning software will teach you the skills you need to acquire the basic knowledge in each of the courses.

Elgin Community College
Integrated Systems/Maintenance Technology Program
1700 Spartan Drive
ITR 132
Elgin, IL 60123-719
Web Site: www.elgin.edu/ist

*ECC is committed to equal access and opportunity.
This publication is purely informational in nature.
No contractual rights, either express or implied, are
created by its contents and it in no way constitutes a
contract with the college.*

Prepare now for a career in Industrial Maintenance



INTEGRATED SYSTEMS TECHNOLOGY PROGRAM AT ELGIN COMMUNITY COLLEGE



Electrical Systems

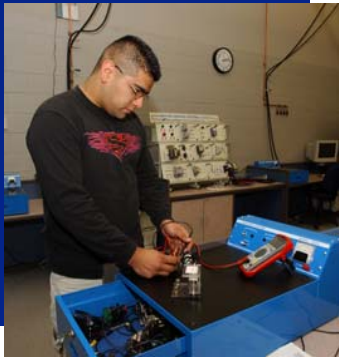
AC Drives

Electrical Motor Control

AC/DC Section

Power Distribution

In the electrical courses, the student will learn core knowledge along with hands-on skills in 3-phase motor control systems, troubleshooting electrical systems, repairing electrical systems, and the installation of electrical power distribution systems.



Electronic Systems

Programmable Controllers

Advanced Programmable Controllers

In the electronic courses, the student will learn the basic core knowledge along with hands-on skills in programming, troubleshooting, and configuring programmable logic controllers. The student will learn about electronic sensors and how they “communicate” with a PLC System.



Mechanical Systems

Mechanical Drive Systems

Pneumatic Systems

Hydraulic Systems

In the mechanical courses the student will learn how to align motors and shafts, maintain and troubleshoot hydraulic and pneumatic systems, and how to apply safety while working on these systems.



Computer assisted multimedia learning software will teach you the skills you need to acquire the basic knowledge in each of the courses above. The instructors have real-world experience and are there to provide and share their experience in the classroom. The students will receive a certificate at the end of the course that lists the sections they completed.