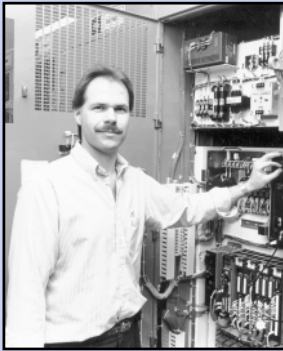


Systems For Your Future

Electrical/Electronics Automated
Systems Technology



JOLIET
Junior College

Electrical/Electronics Automated Systems Technology

For more information, write or call:

Technical Department
Joliet Junior College
1215 Houbolt Road
Joliet, IL 60431

(815) 729-9020, Ext. 2452

or

Pete Kiefert, Advisor
(815) 729-9020, Ext. 2480

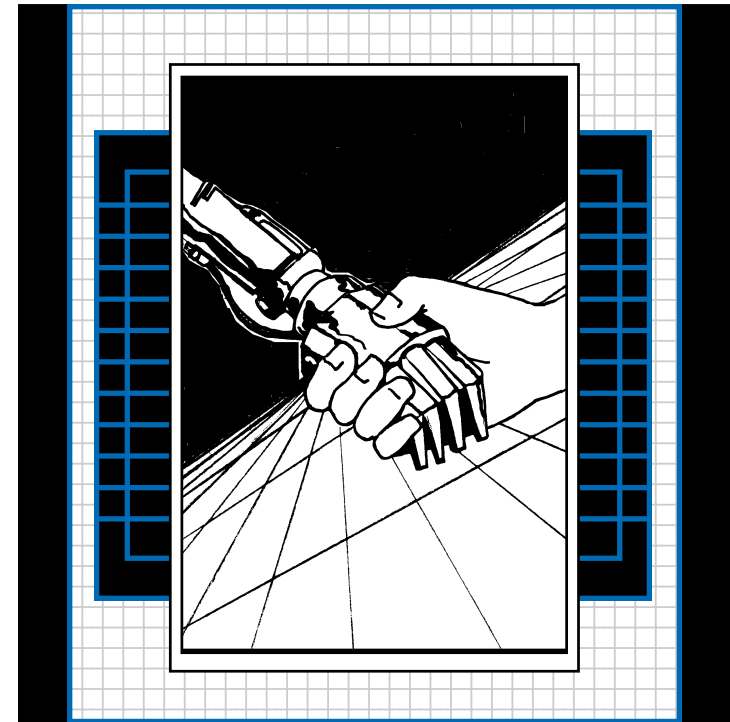
Automated Systems Labs
T1050-T1059

<http://www.jjc.cc.il.us>

Joliet Junior College is committed to a policy of nondiscrimination on the basis of race, color, religion, national origin, ancestry, age, sex, marital status, disability, or unfavorable military discharge in its admission, employment, and educational programs and activities. Any inquiries regarding the college's policy of nondiscrimination should be addressed to the Director of Human Resources, Joliet Junior College, 1215 Houbolt Rd., Joliet, IL 60436.

JOLIET
Junior College

Electrical/Electronics Automated Systems Technology



Electrical/Electronics Automated Systems Technology

Electrical/Electronics Automated Systems Technology

Associate in Applied Science Degree

Suggested Guide for Course Planning

Minimum of 64 credits

In the 21st century, career opportunities in technology and automation continue to grow at a rapid pace. Men and women who are trained with the specialized skills to meet the needs of today's workforce in technology and automation are in high demand.

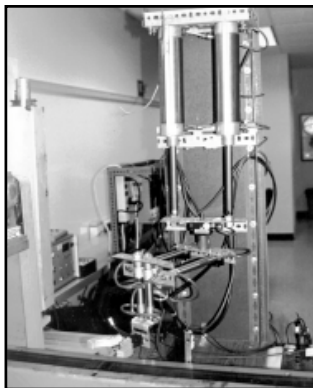
Joliet Junior College's Electrical/Electronics Automated Systems Technology Associate in Applied Science degree program offers individuals an excellent opportunity to learn the specialized technological skills necessary for successful careers in the field. The program provides students with the opportunity



Industrial Controls Applications

to gain hands-on knowledge while utilizing state-of-the-art equipment that includes robots, programmable controllers, motor drives, power distribution systems, electromechanical controls, industrial instrumentation, pneumatic devices, solid-state devices, and other automated systems components.

With the hands-on experience received through the JJC's Electrical/Electronics Automated Systems program, along with small class size and accessible instruc-



Industrial Robotic Applications

tors, students are prepared to utilize electrical/electronics, physics and mathematical skills needed to

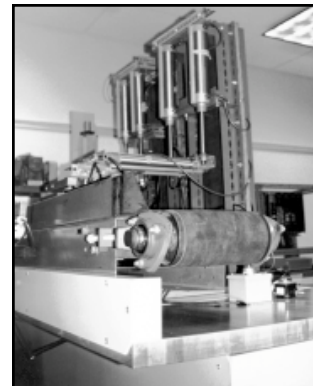


Industrial Wiring Applications

take advantage of the many professional opportunities offered in the field. Graduates of the program have seen careers as industrial electricians, mechanical maintenance technicians, field engineers, field technical representatives, technical service technicians and programmable logic controllers. A number of the program's alumni/ae

have also continued their education at four-year institutions and in apprenticeship programs.

Join the growing group of JJC's Electrical/Electronic Automated Systems degree program graduates and take a positive step toward a successful future in the 21st century. Contact the Technical Department at JJC for more information on the program today!



Industrial Packaging Applications

TE410 ELECTRICAL/ELECTRONICS CERTIFICATE OF COMPLETION

Required Courses	Semester Hours
EEAS 101 Basic Wiring and Circuit Design	
EEAS 111 Industrial Controls I	
EEAS 113 Industrial Controls II	
EEAS 115 Electrical/Electronics Troubleshooting	
Total Required Hours	16

First Year

First Semester

CIS 126	Computer Information System Fundamentals	4
EEAS 101	Basic Wiring and Circuit Design	4
EEAS 111	Industrial Control I	4
MATH (100 level)		4
		16

Second Semester

***EEAS120	Industrial, Residential, Commercial Code	3
EEAS 113	Industrial Controls II	4
EEAS 115	Electrical/Electronics Troubleshooting	4
ENG 101 or COMM 140		3
		14

Second Year

First Semester

***CAD 101	Computer Aided Drafting	4
EEAS 215	Process Control and Instrumentation	4
EEAS 221	Industrial Electricity/Electronics	4
EEAS 240	Motor and Drives	4
**MATH (100 level)		4
		19-20

Second Semester

EEAS 223	Industrial Circuits/Advanced Programmable Controllers	4
EEAS 225	Electrical Systems/Applications	4
Social Science		3-4
***Technical Electives		4-6
		15-18

*Or an approved elective (CIS 122, 124, 126, 127, 128, 132, 134, 136)

**Suggested Math/Science Electives:

MATH 098, 101, 111, 116, 117, 121, 122, 131, 133, 135, 170

Science-PHYS 100, 101, 102, 103, 104, 201, 202

***Suggested Technical Electives-DRFT 101, 102, EEAS 120, 299

EGR 101, 102, MFG 101, 102, 110, CAD 101 or any EET courses

CT 121, 122, IMT 121

Industrial Electricity/Electronics Automated Systems Certificate of Achievement

General Education Requirements	6	
English 101/COMM 140		
Mathematics (100 Level)		
EEAS 101	Basic Wiring and Circuit Design	4
EEAS 111	Industrial Controls I	4
EEAS 113	Industrial Controls II	4
EEAS 115	Electrical/Electronic Troubleshooting	4
EEAS 215	Process Control & Instrumentation	4
EEAS 221	Industrial Circuits Basic Programmable Logic Controllers	4
EEAS 223	Industrial Circuits-Advanced Programmable Controllers	4
EEAS 225	Automated Systems	4
EEAS 240	Motors and Drives	4
Total Required Hours	42	