ASSOCIATE OF APPLIED SCIENCE DEGREE

COMPUTERIZED MANUFACTURING TECHNOLOGY ELECTROMECHANICAL TECHNOLOGY SPECIALIZATION (726-01)

About Our Program

The Electromechanical Technology Specialization of the Computerized Manufacturing Technology program trains students in various electrical, electronic, and mechanical components of systems and, upon successful completion, awards the Associate of Applied Science degree. Emphasis is on programmable logic controllers, motor controls piping systems, valves and related components, and process controllers. Computer skills and teamwork are also emphasized in the program.

The electromechanical program will provide students with the knowledge and skills necessary to assume employment as competent electromechanical technicians. The program was developed in cooperation with Eastman Chemical Company. There are two tracks: 1) After the first year of the program students have the opportunity for a one-year internship with Eastman after which they will return to MECC to finish the AAS degree (3 years total), or 2) students may elect to forego the internship at Eastman and complete the AAS at MECC (2) years total). After completing the associate degree the student is eligible to begin the nationally recognized apprenticeship program at Eastman.

Opportunities for Employment

Companies need competent electromechanical technicians. The electromechanical program was designed to meet this increasing need. The skills developed in this program will prepare students for jobs in chemical processing, coal mines, power plants and manufacturing. Jobs are available as electro-mechanical technicians, engineering technicians, quality assurance technicians and maintenance technicians

Special Considerations

Individuals who have taken courses at career centers or other work related training programs may be able to obtain articulation credit for these courses. Dual enrollment classes have been developed at local vocational technical career centers and high schools.

Program Contact

Faculty Contact: Mr. Roger Greene, Mr. Jimmie Garland

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First Semester				
DRF 160	Machine Blueprint			
DKI 100	Reading	3	0	3
ELE 140	Basic Electricity &	J	U	5
ELL 140	Machinery	3	2	4
IND 108	Tech Computer Apps.	3		
MEC 120	Prin. of Machine Tech	2	2	3 2 2 1
MEC 120		1	2 2	2
MTH 105	Survey of Tech Math I		0	2
SDV 100	College Success Skills	1	0	1
3D V 100	Total	1	U	18
Second Se				10
	College Composition I	3	0	3
ELE 156	Electrical Control	J	U	J
LLL 130	Systems	2	2	3
IND 137	Team Concepts &	_	_	J
1110 137	Problem Solving	3	0	3
MEC 113		_	0	5
WILC 113	of Industry	4	0	4
MEC 266	Application of	•	0	
WIEC 200	Fluid Mechanics	3	0	3
MTH 106	Survey of Tech Math II	2	0	2
111111100	Total	-	0	18
Third Semester				
ETR 218	Ind. Electronics Circuits	3	3	4
	ysical Education	1	0	1
IND 101	Quality Assurance			
11.12 101	Technology	3	0	3
IND 125	Installation and Preventive			-
	Maintenance	2	2	3
MEC 205			_	-
	Systems	2	2	3
	Total		_	14
Fourth Semester				
ELE 239	Programmable Controllers	3	0	3
SAF 126		3	0	3
Humanitie		3	Ŏ	3
Welding Elective		3 2 3	3	3
	ence Elective	3	0	3 3 3
	Total			15

65 credits required to graduate