

Industrial Engineering Technology

Guided Pathway to Success - Year 1 (Certificate of Specialization)

The Certificate of Specialization in Maintenance credential program prepares students to function as maintenance technicians and engineering assistants; installing, maintaining and programming advanced manufacturing equipment. This credential is one-year credential and designed to provide foundation training and quick re-entry in the employment market.

Extra-Curricular/Co-curricular Opportunities at ECC: All Industrial Engineering students have an opportunity to participate in DECA and SkillsUSA. ECC-DECA has competed regionally and nationally enjoying trips to Washington D. C., Orlando and New York. The SkillsUSA allows students to fulfill the mission of the organization “to empower members to become world-class workers, leaders and responsible American citizens.”

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
COL 100	Campus Orientation	0	
COL 101	Foundation of Student Success	1	
PSC CIVICS	Civics Achievement Exam (recommended)*	0	
IND 103	Introduction to Manufacturing Process	3	
IND 151	Industrial Electricity Lecture	2	Fall
IND 152	Industrial Electricity Lab	1	Fall
IND 172	Process & Control Systems Lecture	2	Fall
IND 173	Process & Control Systems Lab	1	Fall
IND 213	Maintenance Practices	3	Fall
Total Credit Hours: 13			

MILESTONE NOTES
Complete IND 151
Complete IND 152

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
IND 111	Industrial Power Systems Lecture	2	Spring
IND 112	Industrial Power Systems Lab	1	Spring
IND 163	Industrial & Control System Wiring	3	Spring
IND 215	Motor Controls	3	Spring
Total Credit Hours: 9			

MILESTONE NOTES
Complete IND 111
Complete IND 112

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
PRS 121	Machine Tool 1 Lecture	2	Fall/Summer
PRS 122	Machine Tool I Lab	2	
Total Credit Hours: 4			

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