

INDUSTRIAL MANAGEMENT ASSOCIATE IN APPLIED SCIENCE DEGREE (INDMG D274)

FCC	✓ LTC	OCC	WVC
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The Industrial Management program contains three stackable certificates in workplace, manufacturing, and supervisory skills. Students may pursue each certificate individually or obtain all three to earn the Associate in Applied Science Degree in Industrial Management. The program provides students with industry knowledge and skills including communications, safety, computer technology, business, and managerial tools. Students may choose between one of four directed manufacturing focus areas (broadband, construction, process technology, and welding). Graduates supervise and coordinate activities of employees engaged in all phases of a plant's operation.

Requirements	Credit Hours
CERTIFICATE Workplace Skills C271	22
CERTIFICATE Manufacturing Skills C272	21
CERTIFICATE Supervisory Skills C273	<u>21</u>
Total Credit Hours	64
General Education Hours (19)	

WORKPLACE SKILLS CERTIFICATE (INDMG C271)

The Workplace Skills certificate program prepares individuals with entry-level employment skills used in business and industry settings. Graduates of this certificate will be proficient in the general skills necessary for quality interpersonal interaction, as well as specific proficiencies in blueprint reading.

Requirements	Credit Hours	22
CON 1202 Blueprint & Building Codes	4	
EDU 1198 Pathways to Success	V1	
ENG 1111 Composition ¹ OR		
ENG 1201 Communications ¹	3	
GEN 1110 Leadership Development	1	
GEN 2297 Employment Skills ¹	V3	
IND 1210 General Safety	3	
MTH 1201 Technical Mathematics ¹ OR	V4	
College Level Math ¹		
SPE 1101 Fundamentals of Effective Speaking ¹ OR		
SPE 1111 Interpersonal Communications ¹	<u>3</u>	
Total Credit Hours	22	

¹General Education Hours (13)

MANUFACTURING SKILLS CERTIFICATE (INDMG C272)

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The Manufacturing Skills certificate program is a unique training program designed to provide students with enhanced industrial career opportunities. Students select from directed manufacturing electives to acquire technical training to enhance employment prospects.

<u>Requirements</u>	<u>Credit Hours</u>	<u>21</u>
DAP 1201 Business Computer Systems	3	
MAC 2203 Manufacturing Processes	3	
IND 1205 Manufacturing Observation	4	
Directed Manufacturing		
Focus Electives*	<u>11</u>	
Total Credit Hours		<u>21</u>

<u>Construction</u>	<u>Credit Hours</u>
CON 1205 Construction Intro & Safety	3
CON 1225 Construction I	6
CON 2298 Special Topics in Construction	V2
Construction Electives	

<u>Process Technology</u>	<u>Credit Hours</u>
PTT 1200 Intro to Process Technology	3
PTT 1202 OSHA Training	V3
PTT 1204 PTech Safety & the Environment	3
PTT 2201 PTech Equipment	4
PTT 2205 PTech Quality Control	3

*Students must complete 11 credits from one of the following **DIRECTED MANUFACTURING FOCUS AREAS:**

<u>Broadband Telecom</u>	<u>Credit Hours</u>
TEL 1201 IT Fundamentals	3
TEL 1263 Introduction to Switching Technology	2
TEL 1266 Fundamentals of Telecom	3
TEL 2264 Introduction to Fiber Optics	3

<u>Welding</u>	<u>Credit Hours</u>
WEL 1201 Basic Welding	3
WEL 1206 Special Projects in Welding	3
WEL 1210 Gas Metal Arc Welding	2
WEL 1215 Shielded Metal Arc Welding	2
WEL 1225 Blueprint Reading	4
WEL 1260 Combination Welding I	2

SUPERVISORY SKILLS CERTIFICATE (INDMG C273)

The Supervisory Skills certificate program provides students with effective skills in performance management, motivation, team development and time management.

<u>Requirements</u>	<u>Credit Hours</u>	<u>21</u>
BUS 1101 Introduction to Business	3	
BUS 1102 Managerial Effectiveness: Personnel	3	
BUS 2104 Business Economics OR		
ECN 2102 Principles of Microeconomics	3	
ENG 1212 Technical Writing ¹	3	
IND 2215 Supervisory Observation	3	
SOC 1108 Race and Ethnic Relations ^{1*}	3	
TQM 1206 Project Management	<u>3</u>	
Total Credit Hours		<u>21</u>

¹General Education Hours (6)

*This course satisfies the IECC human diversity requirement.