

Industrial Management Plant



Engineering • Manufacturing • Industrial Technology

Career Pathways

The industrial management plant program at Monroe County Community College is designed to prepare students for careers in entry-level to middle management. Successful graduates will qualify for positions as foremen, supervisors and office managers.

Job responsibilities may include coordinating activities of departments, such as production, distribution, engineering, design, data processing, maintenance and human resources. Duties might include planning and developing human resources programs or review of existing programs in such areas as inventory control, scheduling, purchasing, billing, cost, budgeting, and/or research and development.

To receive the associate of applied science degree with an industrial management plant designation, students must complete the required general education courses as well as the required core courses for the specific program.

Industrial Management - Plant

Graduates of this program will be prepared for entry-level employment in the following areas:

- Estimator
- Sales
- Supervisor
- Production control supervisor
- Personnel or industrial relations
- Human resources

Credits

Required General Education Courses 21

ENGL 151 (English Composition I) or ENGL 101 (Written and Oral Communication)	3
¹ MATH	6
POLSC 151 (Introduction to Political Science)	3
² Social Science/Humanities Elective	3
PHY 101, 151, or CHEM 150 or 151	4
³ Computer Skills Elective	2

Required Core Courses 12

BMGT 201 (Principles of Management)	3
QSTC 111 (Quality Management)	3
METC 100 (Introduction to Engineering & Technology)	3
MDTC 228 (Introduction to Solid Modeling-SolidWorks) or CONM 120 (Intro to AutoCAD for Architecture)....	3

Additional Required Technology Courses 32

(Select from technology electives listed below)

† ELEC 125 (Fundamentals of Electricity)	3
MATL 101 (Industrial Materials)	3
MDTC 109 (Mechanical Blueprint Reading)	2
³ † MDTC 160 (Mechanical Drafting and CAD I)	4
MDTC 161 (Mechanical Drafting and CAD II)	4
MDTC 226 (Geometric Dimensioning & Tolerancing)	3
MECH 102 (Manufacturing Processes)	4
† MECH 103 (Basic Machine Tools)	4
MECH 111 (Introduction to Fluid Power)	3
† MECH 131 (Introduction to Automated Manufacturing)	3
METC 220 (Statics & Strength of Materials)	4
QSTC 120 (Introduction to Quality Systems)	3
WELD 100 (Introduction to Welding Processes)	4
† WELD 102 (Advanced SMAW)	6
WELD 216 (Basic Pipefitting)	4
or other electives approved by the division dean	

Total Degree Requirements 65

† Tech Prep course. See page 14.

¹ See page 37 for specific Industrial Technology Division mathematics requirements for the associate of applied science degree.

² See the social science/humanities alternatives listed on page 37.

³ Meets computer skills requirement. If MDTC 160 is not taken, see the computer skills alternatives listed on page 38.