



DIVERSIFIED MANUFACTURING TECHNOLOGY

Diploma
Certificate

LINCOLN AND MILFORD CAMPUS AND HYBRID*

www.southeast.edu/DiversifiedManufacturingTechnology



The Diversified Manufacturing Technology program provides comprehensive training for a wide range of manufacturing-related environments. Courses are drawn from a variety of technical programs across the College, building skills to enter or advance in industry-related career fields.

The first five courses in the program lead to the Diversified Manufacturing Certificate, which prepares you to enter the job market as a Certified Production Technician. Certificate courses are taught using both online resources and classroom laboratory equipment. Each course aligns with the nationally-recognized Manufacturing Skill Standards Council Certified Production Technician credential.

The Diversified Manufacturing Technology Diploma is built on courses in other SCC manufacturing and production programs to provide a broad technical experience.

Types of jobs available:

- Computer Aided Drafter
- Electronic System Installer
- Entry-level Operators
- Machine Operator
- Maintenance Technician
- Manufacturing Team Leader
- Molding Tech
- Pipeline Worker
- Plant Engineering Assistant
- Production Welder
- Stamping Tech
- Welder Technician

Graduate Earnings

Recent graduates report an average starting wage of \$13.55 per hour.

* Hybrid courses require students to take Web-based theory classes online and attend labs in person two days a week on an SCC campus. Some courses may only be offered on one campus.

For more information contact:

Scott Kahler, Program Chair
402-761-8354, 800-933-7223 ext. 8354
skahler@southeast.edu

or the College Admissions Office
Milford 402-761-8243, 800-933-7223 ext. 8243



Equal Opportunity/NonDiscrimination Policy - It is the policy of Southeast Community College to provide equal opportunity and nondiscrimination in all admission, attendance, and employment matters to all persons without regard to race, color, religion, sex, age, marital status, national origin, ethnicity, veteran status, sexual orientation, disability, or other factors prohibited by law or College's policy. Inquiries concerning the application of Southeast Community College's policies on equal opportunity and nondiscrimination should be directed to the Vice President for Access/Equity/Diversity, SCC Area Office, 301 S. 68th Street Place, Lincoln, NE 68510, 402-323-3412, FAX 402-323-3420, or jsoto@southeast.edu. This publication should not be considered a contract between SCC and any prospective student. SCC's Board of Governors reserves the right to make changes in this publication during the life of the publication and without notice. A0716 - DEMA (05/16)

Diploma:

The diploma provides additional technical skills needed to enter an industry-related career field and may be applied toward a two- or four-year technical degree.

Students choose classes from seven concentrated areas:

- Computer Aided Design Drafting (DRAF)
- Electrical & Electromechanical Technology (E/M)
- Electronics System Technology (ELEC)
- Energy Generation Operations (ENER)
- Manufacturing Engineering Technology (MFGT)
- Precision Machining and Automation Technology (MACH)
- Welding Technology (WELD)

Take the following classes:

Course #	Course title	Credit hrs
	(Certificate Core Classes)	18.0
DDRT1120	Basic Computer Aided Drafting	3.0
ELEC1132	DC Principles I	5.0
ELEC1133	DC Principles II	5.0
	or	
ELEC1129	DC Electronics	8.0
ENER1115	Mechanical and Fluid Fundamentals	4.5
MACH1121	Manufacturing Processes	5.0
	or	
MFGT1421	Manufacturing Processes	5.0
MACH1131	Manufacturing Processes II	4.5
	or	
MFGT1456	Manufacturing Processes II	4.5
WELD1110	SMAW Theory	2.0
WELD1112	SMAW Lab 1	4.0
		35-38 hours

General Education Requirements:

Contact your program advisor to select general education courses from each category which will meet your program's graduation requirements. See the General Education pages online for a complete list.

(One class from each area below).

Diploma

Oral Communications	4.5
Written Communications	4.5
	9.0 hours

Certificate

MATH1050	Thinking Mathematically	4.5
		4.5 hours

Certificate:

The certificate offers courses that align with the nationally-recognized Manufacturing Skill Standards Council (MSSC) Certified Production Technician (CPT) credential. This unique blended-learning approach includes 3D graphic simulations of manufacturing equipment and industrial environments, traditional classroom experiences, and online skills training.

A common set of core industry courses prepares students for entry-level positions in a wide range of manufacturing related environments. Students acquire specific occupational skills and may apply these classes toward the diploma or choose to seek employment in industry.

Certificate Core Courses:

Course #	Course title	Credit hrs
DEMT1110	Introduction to Industrial Safety	4.5
DEMT1120	Introduction to Manufacturing Technology	4.5
DEMT1130	Introduction to Quality and Continuous Improvements	4.5
**DEMT1140	Introduction to Maintenance Technology	4.5
		18.0 hours

** (A 4.5 or higher credit hour course from the diploma list can be substituted for this course if only completing the certificate.)

Estimated Expenses

To determine overall costs, students should plan a budget that includes room, meals, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc.

Nebraska Resident tuition rate is \$61.50 per credit hour. Out-of-state tuition rate is \$75.50 per credit hour.

Student fee is \$1.50 per credit hour. Graduation fee is \$25.

Housing is available at Beatrice and Milford campuses only. Quarterly tuition, books and fees are dependent upon classes taken.

*The cost of tools and supplies will vary depending on the class taken. Check each class for a complete supply list.

CERTIFICATE

22.5 credits to graduate
1 quarter to complete

Tuition & fees	\$1,418
Books	300
Tools/Supplies	50
Total Estimate	\$1,768

DIPLOMA

65 credits to graduate
3 quarters to complete

Approximately 22 credits per quarter	
Tuition & fees	\$4,095
Books	1,280
Tools/Supplies*	250
Total Estimate	\$5,625

