

## Personality + Career

You will be successful in the manufacturing technology field if you want to make an impact on the lives of others. This program challenges you to critically think in order to make improvements in the manufacturing industry through problem solving, spatial recognition, advancing technology, and creating higher efficiencies. A career in manufacturing allows you to be creative while using the latest technology.



Program	What do students learn in the program?	What do students earn?	Career Opportunities	Are graduates prepared for/to complete exams for specific credentials/licensing/certifications at the end of the program (each credential level)?	Required Tools, Supplies, and Uniforms
Manufacturing Engineering Technology	<p>Students participate in project-based learning (taking an idea from concept to reality). Through this type of learning, students will practice the design and engineering process from beginning to end. Students learn how to manage projects, including the process, time management, testing, quality assurance, and more. This gives students the ability to be creative and independent while learning in a hands-on environment.</p> <p>Students also learn engineering principles, about materials used in industry, how to use CAD and SolidWorks softwares, and manufacturing processes, including the use of machining tools and techniques (drilling, turning, boring, milling, and grinding), and the use of the lathe, milling machine, and grinder. An introduction to programmable logic controller (PLC) and the use of industrial robots is also taught.</p>	\$26.70 hourly; \$55,536 annually	<p>Automation Engineer</p> <p>Maintenance Coordinator</p> <p>Product Engineer</p> <p>Design Engineering Technician</p> <p>Manufacturing Engineering Technician</p> <p>Manufacturing Coordinator</p>	<p>Students take the Certified SolidWorks Associate (CSWA) certification while in the program.</p> <p>Some students also choose to take the Certified SolidWorks Professional (CSWP).</p>	<p>Caliper, Calculator, Steel Rule, Arduino Kit, and Safety Glasses - available in the SCC Campus Store.</p>

### » Your Next Steps to Choose SCC

- ▶ Schedule a Campus Visit - [southeast.edu/visit](https://southeast.edu/visit)
- ▶ Explore career options with an Admissions Counselor - [southeast.edu/admissionsadvising](https://southeast.edu/admissionsadvising)
- ▶ Apply - [southeast.edu/applynow](https://southeast.edu/applynow)

### » Paying for SCC

- ▶ Free Application for Federal Student Aid (FAFSA) - [studentaid.gov/h/apply-for-aid/fafsa](https://studentaid.gov/h/apply-for-aid/fafsa)
- ▶ Scholarships - [southeast.edu/scholarships](https://southeast.edu/scholarships)
- ▶ Payment Plan - [mycollegepaymentplan.com/southeast](https://mycollegepaymentplan.com/southeast)
- ▶ Veteran Education Benefits - [southeast.edu/veterans-services](https://southeast.edu/veterans-services)
- ▶ GAP Assistance Program - [southeast.edu/gap](https://southeast.edu/gap)
- ▶ Children of State Teammate Tuition Reimbursement Program - [southeast.edu/children-of-state-teammate-tuition-reimbursement-program](https://southeast.edu/children-of-state-teammate-tuition-reimbursement-program)



Scan this code to find out more about

### Contact Admissions to get started!

402-437-2600, 800-642-4075 ext. 2600

✉ [admissions@southeast.edu](mailto:admissions@southeast.edu)



2024-2025 / » [southeast.edu](https://southeast.edu)

# Manufacturing Engineering Technology



Manufacturing engineering technicians use problem-solving skills to design products and develop processes. As an engineering technician you will have the opportunity to positively impact society and improve quality of life.

Everything we use at work, for recreation or at home was designed and manufactured by a professional in the manufacturing engineering industry.

### Program Contact Information

Lynnette Frey, Program Chair

402-761-8210, 800-933-7223 ext. 8210

✉ [lfrey@southeast.edu](mailto:lfrey@southeast.edu)



# The SCC Experience

- » The Manufacturing Engineering Technology program is hands-on! Students spend two-thirds of their time in the lab using the latest technology, including 3-D printers, programmable logic controllers (PLC), ocular lenses, industry design software, and more!
- » SCC's program continually integrates new technologies to stay on the cutting-edge of the manufacturing industry. You will change the industry as we know it by having exposure to these advanced technologies.
- » Students are taught to have a growth mindset! This allows them to make an impact in the industry and our lives throughout their careers. SCC graduates enter the workforce as leaders.
- » Manufacturing is one of the largest industries in Nebraska and has a high need for skilled technicians. Job opportunities are endless for SCC graduates!
- » Faculty have worked in the industry and have real-world experience to share with you. They are well connected with the industry to understand current needs and future changes.
- » Students have multiple opportunities to be involved! They can join the Society of Manufacturing Engineers (National Chapter) to develop leadership skills, participate in community service, gain access to additional learning opportunities and field trips, network, build their resume and more! SCC also has an active SkillsUSA chapter that gives students the opportunity to compete against other colleges in their trade with potential to compete at a national level. These opportunities equip students with experiences and skills that set them apart!

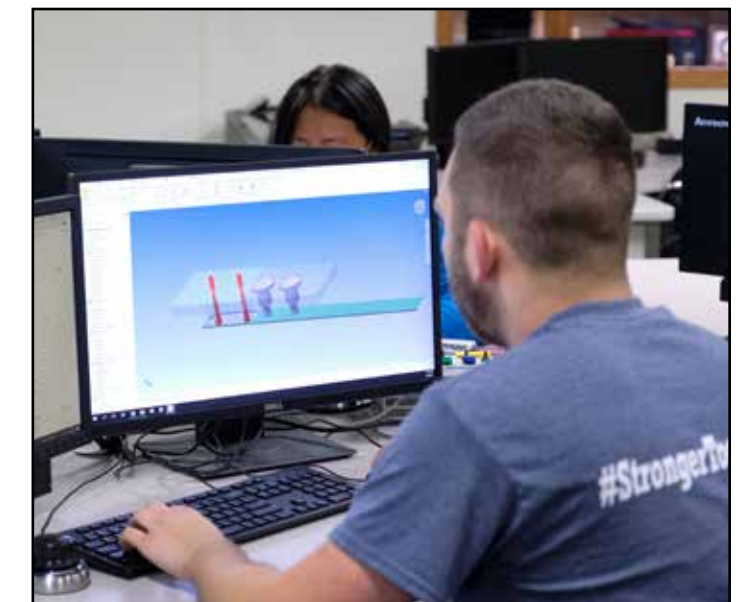


## Related programs at SCC:

- **Electronic Systems Technology**
- **Electrical/Electromechanical Technology**
- **Energy Generation Operations**
- **Design & Drafting Technology (Computer Aided Design & Drafting focus)**
- **Nondestructive Testing Technology**
- **Precision Machining and Automation Technology**
- **Technical Skills Instructor**
- **Welding Technology**

If you are interested in continuing your education through an advanced degree, we have articulation agreements with

- Missouri Western State University
- South Dakota State University



Program	Credential	Location	Credit Hours	Tuition/Fees*	Books/Fees/Supplies	Tools	Total Cost*	Starting Term(s)	Number of Semesters Required-Full Time	Is summer term required for Full Time?	Online Option	Can the program be completed entirely online?	Part-Time Option	Number of Semesters Required - PT Time	Is a summer term required for Part Time?	Typical Class Schedule
Manufacturing Engineering Technology	Associate of Applied Science	Milford	63	R- \$7,749 NR- \$9,072	\$2,397	\$95	R- \$10,241 NR- \$11,564	Fall	4	No	No	No	Yes	Dependent on student's pace.	No	Monday - Thursday, 8 a.m. - 4 p.m.; Friday - 8 a.m. - Noon.

\*R=Resident, NR=Non-resident. Costs listed are estimates and are subject to change based on the market price of books, supplies, tools, uniforms, etc. Estimated costs also include tuition and fees. Additionally, days/times of week for class, lab, clinical/practicum are subject to change based on curriculum, facilities, instructor, and site availability. Actual program schedules will be provided prior to each enrolled term.