

Certificate of Completion

10-month program

Professional Development for Machinists.....	1
Orientation & Intro to Machine Tool Technology.....	2
Precision Measurement	3
Vertical Milling Machining	5
Engine Lathe	6
CNC Vertical Machining Center	9
Blue Print Reading.....	2
Computer Aided Manufacturing.....	5
CNC Horizontal Turning Center	9
Math for Machine Tool Tech.....	2
Manual Operations: Benchwork/Layout.....	2
Drill Press.....	2

Associate in Applied Science Degree

Students can earn a two-year degree program by completing a total of 64 credit hours.

Housing

Seward County Community College ♦ Area Technical School offers students a choice when it comes to on-campus living.

The Student Living Center, the largest of the three areas, accommodates up to 200 students and is a traditional dormitory-style co-ed dorm.

The mansion suites are two separate buildings that include four-bedroom suites.

Separate facilities at Hale Court are located at the technical school site. Housing is available in the summer and on a short-term basis as well.

Call 620-417-2102.



Approximate Costs

In-state and out-of state tuition
\$48 per credit hour
for the 2008-09 school year
\$200 application fee
Materials and books are available
for an additional cost.

Financial aid and scholarships are available.

Go online to:

www.sccc.edu/students/financial_aid/

Club or Organization

As a part of this program, students have the opportunity to participate in SkillsUSA, a partnership of students, teachers and industry working together to ensure America has a skilled work force. SkillsUSA is designed to help each student excel in his or her chosen field. In addition, students have the opportunity to compete in their area of study.

Machine Tool Technology



**Seward County
Community College**
♦ **Area Technical School**
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620-624-1951 or 1-800-373-9951
www.sccc.edu



MACHINE TOOL TECHNOLOGY

The Machine Tool Technology program at Seward County Community College ♦ Area Technical School prepares students for employment within the tool-making/machining industry. Students in Machine Tool Technology transform raw materials, like steels, aluminum, bronze, copper, composites and plastics, into working parts and assemblies.

This self-paced, performance-based curriculum lets you learn at optimum speed or slow down to a pace that is comfortable to you. You'll get your most valuable experience working "hands-on" with up-to-date equipment such as bench and hand tools and machine tools, including engine lathes, vertical mills, drill presses, grinders and CNC (computer-controlled machines).

Machine Tool Technology students get their training in the machine shop. Class projects and outside work provide a wide variety of skills and broaden the learning spectrum for each student.

Program highlights

The Machine Tool Technology program

- * determines course content based on industry advisory committee's input
- * provides job-readiness and placement assistance
- * encourages involvement in student organizations
- * provides open-entry and open-exit programs

Employment opportunities

There are 15,000 tool-making/machining companies in the United States with 400,000 employees and annual sales of \$40 billion. There are 30,000 job openings in this field every year. A machinist sets up and operates conventional, special-purpose and numerical control (Nc) machines and machining centers to fabricate metallic and nonmetallic parts., They fit and assemble machined parts into complete units, applying knowledge of machine shop theory and procedures, shop mathematics, machinability of materials, and layout techniques. Machinists study blueprints, sketches, drawings, manuals, specifications, or sample parts to determine dimensions and tolerances of finished work piece, sequence of operations and set-up requirements. They measure, mark and scribe dimensions and reference points on material or work piece as guides for subsequent machining.

Graduates of our program will have the opportunity to work as a

- General machinist
- CNC operator
- CNC machinist
- CNC programmer
- Manufacturing technician
- Quality control technician
- Assembly technician
- Manufacturing engineer

Instructor

Butch Garst

18 years of industry experience
10 years of teaching experience
28 years of manufacturing experience



Program Contact

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NOTICE OF NONDISCRIMINATION

Applicants for admission and employment, students, employees, sources of referral of applicants for admission and employment, and all unions or professional organizations holding collective bargaining or professional agreements with Seward County Community College/Area Technical School are hereby notified that this institution does not discriminate on the basis of race, religion, color, national origin, gender, age, or disability in admission or access to, or treatment or employment in, its programs and activities. Any person having inquiries concerning Seward County Community College/Area Technical School's compliance with the regulations implementing Title VI, Title IX, or Section 504 is directed to contact Mr. Tommy E. Williams, P.O. Box 1137, 1801 North Kansas, Liberal, Kansas, (620) 624-1951.