



Diploma

Credit Hours Required for Graduation:

Diploma: 47.5



For more information contact:

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A0740 - MSTT (08/19)

Start an exciting career repairing high-performance recreational, adventure-seeking, multi-terrain rugged machines! You can choose to specialize in one type of vehicle or aspect of repair, or get prepared for all makes and models. The job outlook is positive and continues to grow.



Why SCC?

Our Motorcycle, ATV & Personal Watercraft Technology program is the only one like it in the state of Nebraska. Our graduates gain the experiences needed to work on all makes, and models from two wheels to four. This program is about building a career with something most people just get to call a hobby, and the skill foundation that our students develop is useful in practically all technician fields.

Activities in this area include disassembly and reassembly of mechanical and electrical systems, researching service information in manuals or computer-based programs, using an extensive variety of hand tools and diagnostic equipment, as well as writing, speaking and basic math skills.

This program is located on the Lincoln Campus with classes beginning in spring and fall semesters.



Consistently placing in the top 10 in the nation and podium finishers three times in the past five years, our program has enjoyed great success in the National SkillsUSA competitions for many years.



Top Career Options

- Detailer
- Service Technician
- Shop Support
- Technician



Graduate Earnings

Recent graduates report an average starting salary of \$27,000 per year.



2019-2020 Tuition/Fee Rate Per Credit Hour	
Nebraska Resident	\$108
Out-of-state tuition/fee rate	\$129

Estimated Expenses

Tuition/Fees	\$ 5130
Books	720
Special Fees	0
Tools/Supplies	4500

Total: \$10,350



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 for a complete list.

(One class from each area below)

Oral Communications	3.0
Written Communications	3.0
Critical Thinking & Problem Solving	4.0
PHYS1150 Descriptive Physics	

10.0 hours

Required Diploma Courses

A grade of "C" or higher is required in all MSTT courses to graduate from the program. Course offerings and prerequisites will be determined by the program.

Course #	Course title	Credit hrs
MSTT1000	Shop Procedures & Hand Tools	3.0
MSTT1028	Suspension, Brakes, Wheels and Tires	4.5
MSTT1040	ATV & UTV Systems	2.0
MSTT1112	Engine Theory	3.0
MSTT1125	Electrical Concepts	3.0
MSTT1126	Electrical Circuits	3.5
MSTT1132	Fuel & Ignition Systems	4.0
MSTT1133	Periodic Maintenance & Emission Systems	3.5
MSTT1138	Personal Watercraft	2.0
MSTT1140	Transmission Repair	2.0
MSTT1143	Engine Machining and Rebuild	5.0
WELD1176	Automotive & Motorcycle Welding	2.0
		37.5 hours

Optional:

MSTT1113	Metric Measure	2.0
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Students are required to provide or purchase a basic tool set during the first semester.

Students also are required to wear program shirts while in class or laboratory settings. Shirts are available through the SCC Campus Store.

Tools vendors make special arrangements to be available on campus and offer students a discount. A tool show will be held before tools are required. Tool costs vary by vendor.



Basic Tools Required

Wrenches

- 1 Adjustable wrench 10"
- 1 set Combination wrenches (Metric - 6mm-19mm)
- 1 set Combination wrenches (Standard - 3/8"-1")
- 1 set Flare nut wrenches (Metric - 9mm, 10mm, 11mm, and 12mm)

Sockets

- 1 set 1/4" drive extension 2" to 6"
- 1 set 1/4" drive sockets (metric)
- 1 set 1/4" drive sockets (standard)
- 1 1/4" drive ratchet
- 1 3/8" drive breaker bar
- 1 set 3/8" drive deep socket (metric - 6mm-19mm)
- 1 set 3/8" drive deep socket (standard - 3/8"-3/4")
- 1 set 3/8" drive extensions 3" to 24"
- 1 set 3/8" drive impact socket (metric - 9mm-19mm)
- 1 set 3/8" drive impact socket (standard - 3/8"-3/4")
- 1 set 3/8" drive long hex bit (metric - 4mm-10mm)
- 1 3/8" drive ratchet
- 1 set 3/8" drive socket 6mm-19mm
- 1 set 3/8" drive socket 3/8"-3/4"
- 1 3/8" drive spark plug sockets 5/8", 13/16 and 18mm
- 1 3/8" drive speed handle

Screwdrivers

- 1 set Assorted sizes 1"x 1/4" to 13"x 1/2" flat blade including stubby
- 1 set Magnetic ratcheting screwdriver (with common and #1, #2, #3, Phillips bits, and Torx drive bits 10, 15, 20, 25, 27, 30, 40)
- 1 set Phillips #1, #2, #3 including stubby

Pliers

- 1 Adjustable pliers 10" "tongue & groove type"
- 1 Diagonal cutting pliers
- 1 set Locking pliers (3), small, medium, large
- 1 Needle nose pliers with side cutters
- 1 Slip joint pliers
- 1 set Snap ring pliers, inside-outside combination (3), small, medium, large

Hammers

- 1 16 oz. Ball peen hammer
- 1 16 oz. Soft face hammer dead blow style

Punches, Chisels & Files

- 1 Center punch
- 1 Brass drift punch
- 1 set Pin punch 3/32" to 5/16"
- 1 1/4" Cold chisel
- 1 3/8" Drift Punch 12"
- 1 1/2" Cold chisel

Electrical Meters & Testers

- 1 Continuity tester light
- 1 Fluke 88 Digital multimeter
- 1 12 volt test lamp

Miscellaneous

- 1 Aligning pry bar 15" or 16"
- 1 set Allen wrench (metric - 1.5mm-10mm)
- 1 set Allen wrench (standard) up to and including 3/8"
- 1 Extension magnet—small
- 1 set Feeler gauges, metric and fractional
- 1 set Files (flat mill, assorted sizes, rat tail and half round)
- 1 Hand impact driver with #1, #2, #3 Phillips
- 1 Hacksaw
- 1 Pick set
- 1 pair Safety glasses
- 1 set Spark plug wire gauge
- 1 3/8" drive air impact gun
- 1 3/8" drive torque wrench (ft/lb - 10 to 70 ft. lb.)
- 1 6" steel ruler, metric and fractional
- 1 Tank Protector Cover
- 1 Soft Jaws for 4" vice
- 1 6" Caliper (dial or digital preferred)
- 1 Pen light

Tool Storage

- 1 Roll Cabinet Tool Box: Maximum length 42" (7500 Cubic Inch & five drawers minimum)

Optional

- 1 Brake Pad Spreader
- 1 Oil filter wrench set
- 1 Automatic Center Punch
- 1 set Narrow feeler gauges (0.002" - 0.014")
- 1 Axle Hex Wrench - (17, 19, 22, & 24mm)
- 1 1/2" drive sockets - 21, 22, 24, 27, 30, 32, & 34 mm
- 1 Blow gun
- 1 1/2" Impact Gun
- 1 1/2" Breaker bar
- 1 set 3/8" drive universal flex socket (metric - 10mm- 19mm)
- 1 set 3/8" drive short hex bit (4mm - 10mm)