Program Overview:
This program prepares students for careers in motorcycle, all-terrain-vehicle and personal watercraft diagnosis and repair. Classes begin in the Winter (January) and Summer (July) quarters.

A variety of industries use these types of vehicles for their maneuverability and off-roading ability such as:

- water sports and recreational facilities
- law enforcement
- search and rescue
- border patrol
- construction
- emergency medical services
- forestry and land management
- military
- mineral exploration
- surveying
- wild land fire control

Types of jobs available:

Repair technician - Diagnoses and repairs all areas of the vehicle, including engines and transmissions, suspension and brake systems, and electrical/electronic systems.

Parts counter person - Activities in this area include researching service information using manuals or computer-based programs, using an extensive array of hand tools and diagnostic equipment, as well as writing, speaking and basic math skills.

Sales associate - Program graduates are employed in dealerships, independent shops and owner/operator shops.

Gainful Employment:

Recent graduates report a starting wage of $16.35 per hour.

For more information contact:
Barry Smith, Program Chair – Lincoln
402-437-2643, (800) 642-4075 ext. 2643
bsmith@southeast.edu

or the College Admissions Office
Lincoln 402-437-2600, 800-642-4075 ext. 2600

Gainful Employment: Please visit www.southeast.edu/motorcycleatv-gainful-employment to view important information about the educational debt, earnings, and completion rates of students who attended this program.
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.)

- Oral Communications: 4.5
- Written Communications: 4.5
- Critical Thinking & Problem Solving: 6.0
- PHYS1150 Descriptive Physics: 15.0 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.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course title</th>
<th>Credit hrs</th>
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</thead>
<tbody>
<tr>
<td>MSTT1000</td>
<td>Shop Procedures &amp; Hand Tools</td>
<td>4.5</td>
</tr>
<tr>
<td>MSTT1112</td>
<td>Basic Engine Theory</td>
<td>4.5</td>
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<tr>
<td>MSTT1120</td>
<td>Wheels &amp; Tires</td>
<td>3.0</td>
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<tr>
<td>MSTT1125</td>
<td>Electrical Concepts</td>
<td>4.0</td>
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<tr>
<td>MSTT1126</td>
<td>Electrical Circuits</td>
<td>5.5</td>
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<tr>
<td>MSTT1128</td>
<td>Frames, Suspension &amp; Brakes</td>
<td>5.5</td>
</tr>
<tr>
<td>MSTT1132</td>
<td>Fuel &amp; Ignition Systems</td>
<td>5.0</td>
</tr>
<tr>
<td>MSTT1133</td>
<td>Periodic Maintenance and Emission Controls</td>
<td>7.5</td>
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<tr>
<td>MSTT1138</td>
<td>Personal Watercraft</td>
<td>3.0</td>
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<tr>
<td>MSTT1140</td>
<td>Transmissions and Final Drives</td>
<td>3.5</td>
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<tr>
<td>MSTT1143</td>
<td>Motorcycle Engine Machining and Rebuild</td>
<td>6.0</td>
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<tr>
<td>MSTT1146</td>
<td>Rideability and Electrical Update</td>
<td>5.0</td>
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<tr>
<td>MSTT1901</td>
<td>Rideability and Electrical Update with Coop</td>
<td>6.0</td>
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<tr>
<td>WELD1176</td>
<td>Automotive and Motorcycle Welding</td>
<td>2.5</td>
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</table>

59.5-60.5 hours

Optional:

<table>
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<th>Course title</th>
<th>Credit hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSTT1113</td>
<td>Metric Measure</td>
<td>3.0</td>
</tr>
<tr>
<td>MSTT1001</td>
<td>Introduction to Motorcycle Technology</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Students are required to provide or purchase a basic tool set during the first quarter.

To be successful with a minimum of 90% of a specified tool set, a common tool set is required for the Tool Kit. Vendors are available and offer students a discount. Vendors are available and offer students a discount.

A tool set is required for successful completion of the program. Tools may be purchased from a vendor of the individual’s choosing. Vendors are available and offer students a discount. The discounts are determined by each vendor. The cost of tools varies depending on which vendor is selected.

The discount is applied toward the tool expense. The discounts are determined by each vendor. The cost of tools varies depending on which vendor is selected.

The discounts are determined by each vendor. The cost of tools varies depending on which vendor is selected.

Basic Tools - Required by 4th week

- **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"x1/4" to 13"x1/2" 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

- **PIERS**
  - 1 Adjustable piers 10"  
  - 1 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 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 Pin punch 3/32" to 5/16"  
  - 1 1/4" Cold chisel  
  - 1 3/8" Drill Punch 12"  
  - 1 1/2" Cold chisel

Estimated Expenses

- **Nebraska Resident**
  - Tuition & Fees: $1,321
  - Books: 350
  - Tools/Supplies: 3,500-4,500
  - Total First Quarter: $5,171-6,171

- **Second Quarter**
  - Tuition & Fees: $1,390
  - Books: 100
  - Total Second Quarter: $1,490

- **Third Quarter**
  - Tuition & Fees: $1,460
  - Books: 170
  - Total Third Quarter: $1,630

- **Fourth Quarter**
  - Tuition & Fees: $1,390
  - Books: 100
  - Total Fourth Quarter: $1,490

- Total Estimate For Program: $9,781-10,781

TOOL STORAGE

- 1 Roll Cabinet Tool Box: Maximum length 42” (7500 Cubic Inch & five drawers minimum) (Not included with most price lists.)

- **OPTIONAL**
  - 1 Brake Pad Spreader  
  - 1 Oil filter wrench set  
  - 1 Automatic Center Punch  
  - 1 Narrow feeler gauges (0.002" – 0.014")  
  - 1 Axle Hex Wrench - (17, 19, 22, & 24mm)  
  - 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)