Listed below are the classes that you should register for in fall semester. **You may choose either the Group A schedule or the Group B schedule.** We host an equal number of students in each group. While we do our best to honor your schedule preferences, we ask for your flexibility if adjustments are needed. Unless denoted “optional” all classes listed for fall semester are required in order to advance to spring semester in the program.

If you see a class listed, and believe that you’ve taken the class at a different institution, please review your DARS report in eServices to ensure that the class transferred to SCTCC to fulfill the program requirement. If it did not transfer, please register for the class as instructed. Instructions for how to access and interpret a DARS report can be found at the link provided in your welcome letter.

Please refer to the registration access code provided in your welcome letter when registering for classes. Contact the Academic Advising Center at advising@sctcc.edu with your questions about the class schedule or for assistance with registration.

### GROUP A Schedule

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Subject</th>
<th>Course Title</th>
<th>Section</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>000040</td>
<td>General Service</td>
<td>TRAN1503</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>000027</td>
<td>Electrical Principles</td>
<td>TRAN1504</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>000046</td>
<td>Scan Tool Data Acquis.</td>
<td>TRAN1517</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>000039</td>
<td>Brakes</td>
<td>AUTO1516</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>000036</td>
<td>Chassis Electrical</td>
<td>AUTO1510</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Choose from 3 options</td>
<td>Hazardous Material</td>
<td>TRAN1518</td>
<td>Choose from 3 options</td>
<td>1</td>
</tr>
</tbody>
</table>

*Choose T or W or TH, class time 11-11:50am

Total Credits 17

### WEEKLY SCHEDULE

**Key:** Weeks 1-8 upper  [Weeks 1-16 middle](#)  Weeks 9-16 lower

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
</table>
| 8 a.m. | Electrical P Lec  
Chassis Elec Lec | Electrical P Lec  
Chassis Elec Lec | Gen. Serv. Lec  
Brakes Lec. | Gen. Serv. Lec  
Brakes Lec. | Gen. Serv. Lec  
Brakes Lec. |
| 9 a.m. | Electrical P Lab  
Chassis Elec Lab | Electrical P Lab  
Chassis Elec Lab | Gen. Serv. Lab  
Brakes Lab | Gen. Serv. Lab  
Brakes Lab | Gen. Serv. Lab  
Brakes Lab |
| 10 a.m. | Electrical P Lab  
Chassis Elec Lab | Electrical P Lab  
Chassis Elec Lab | Gen. Serv. Lab  
Brakes Lab | Gen. Serv. Lab  
Brakes Lab | Gen. Serv. Lab  
Brakes Lab |
| 11 a.m. | [Hazardous Mat. ID# 51](#)  
[Hazardous Mat. ID# 53](#)  
[Hazardous Mat. ID# 52](#) | [Hazardous Mat. ID# 51](#)  
[Hazardous Mat. ID# 53](#)  
[Hazardous Mat. ID# 52](#) | [Hazardous Mat. ID# 51](#)  
[Hazardous Mat. ID# 53](#)  
[Hazardous Mat. ID# 52](#) | [Hazardous Mat. ID# 51](#)  
[Hazardous Mat. ID# 53](#)  
[Hazardous Mat. ID# 52](#) | [Hazardous Mat. ID# 51](#)  
[Hazardous Mat. ID# 53](#)  
[Hazardous Mat. ID# 52](#) |
| 12 p.m. | Electrical P Lab  
Chassis Elec Lab | Electrical P Lab  
Chassis Elec Lab | Gen. Serv. Lab  
Brakes Lec. | Gen. Serv. Lab  
Brakes Lec. | Scan Tool Data  
Scan Tool Data |
| 1 p.m. | Electrical P Lab  
Chassis Elec Lab | Electrical P Lab  
Chassis Elec Lab | Gen. Serv. Lab  
Brakes Lec. | Scan Tool Data  
Scan Tool Data | Scan Tool Data  
Scan Tool Data |
Chassis Elec Lab  |  Chassis Elec Lab  |  Brakes Lab  |  Brakes Lab  |  Scan Tool Data  
2 p.m.          |          | Gen. Serv. Lab  |  Brakes Lab  |          
3 p.m.          |          | Gen. Serv. Lab  |          |          
4 p.m.          |          |          |          |  Scan Tool Data  

GROUP B Schedule

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Subject</th>
<th>Course Title</th>
<th>Section</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>000041</td>
<td>General Service</td>
<td>TRAN1503</td>
<td>02</td>
<td>3</td>
</tr>
<tr>
<td>000031</td>
<td>Auto. Wheel Alignment</td>
<td>AUTO1508</td>
<td>01</td>
<td>3</td>
</tr>
<tr>
<td>000030</td>
<td>Electrical Principles</td>
<td>TRAN1504</td>
<td>02</td>
<td>2</td>
</tr>
<tr>
<td>000029</td>
<td>Chassis Electrical</td>
<td>AUTO1510</td>
<td>01</td>
<td>4</td>
</tr>
<tr>
<td>000045</td>
<td>Scan Tool Data Acquis.</td>
<td>TRAN1517</td>
<td>01</td>
<td>4</td>
</tr>
<tr>
<td>Choose from 3 options</td>
<td>Hazardous Material</td>
<td>TRAN1518</td>
<td>Choose from 3 options</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credits: 17

WEEKLY SCHEDULE

Key: Weeks 1-8 upper  Weeks 1-16 middle  Weeks 9-16 lower

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 a.m.</td>
<td>Wheel Align Lec</td>
<td>Wheel Align Lec</td>
<td>Wheel Align Lec</td>
<td>Chassis Elec Lec</td>
<td>Chassis Elec Lec</td>
</tr>
<tr>
<td>9 a.m.</td>
<td>Wheel Align Lab</td>
<td>Wheel Align Lab</td>
<td>Wheel Align Lab</td>
<td>Chassis Elec Lec</td>
<td>Chassis Elec Lec</td>
</tr>
<tr>
<td>10 a.m.</td>
<td>Wheel Align Lab</td>
<td>Wheel Align Lab</td>
<td>Wheel Align Lab</td>
<td>Chassis Elec Lec</td>
<td>Chassis Elec Lec</td>
</tr>
<tr>
<td>12 p.m.</td>
<td>Wheel Align Lab</td>
<td>Wheel Align Lab</td>
<td>Gen. Serv. Lec</td>
<td>Chassis Elec Lec</td>
<td>Chassis Elec Lec</td>
</tr>
<tr>
<td>1 p.m.</td>
<td>Scan Tool Data</td>
<td>Wheel Align Lab</td>
<td>Gen. Serv. Lec</td>
<td>Chassis Elec Lec</td>
<td>Chassis Elec Lec</td>
</tr>
<tr>
<td>2 p.m.</td>
<td>Scan Tool Data</td>
<td>Wheel Align Lab</td>
<td>Gen. Serv. Lec</td>
<td>Chassis Elec Lec</td>
<td>Chassis Elec Lec</td>
</tr>
<tr>
<td>3 p.m.</td>
<td>Scan Tool Data</td>
<td>Wheel Align Lab</td>
<td>Gen. Serv. Lec</td>
<td>Chassis Elec Lec</td>
<td>Chassis Elec Lec</td>
</tr>
<tr>
<td>4 p.m.</td>
<td>Scan Tool Data</td>
<td></td>
<td>Gen. Serv. Lec</td>
<td>Chassis Elec Lec</td>
<td></td>
</tr>
</tbody>
</table>
Graduates are proficient in using the latest equipment for wheel alignment, engine performance, electrical and electronic diagnosis, brakes, air conditioning, engine service, and drivetrain repair.

<table>
<thead>
<tr>
<th>98%</th>
<th>98% Placement Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>$19</td>
<td>$19 Central MN Average Hourly Wage</td>
</tr>
</tbody>
</table>

**The Automotive Service Technician degrees from SCTCC prepare students for entry-level positions in the automotive repair industry.**

**Diploma: 67 credits**

### TECHNICAL STUDIES SEMESTER I

- **AUTO1508** - 4 cr: Auto Suspension & Alignment
- **TRAN1504** - 3 cr: Electricity and Electronic Principals
- **AUTO1510** - 4 cr: Chassis Electrical
- **TRAN1517** - 1 cr: Scan Tool Data Acquisition
- **TRAN1518** - 1 cr: Transportation Hazardous Materials
- **TRAN1503** - 3 cr: General Service

### TECHNICAL STUDIES SEMESTER II

- **AUTO1512** - 2 cr: Engine Repair Theory
- **AUTO1514** - 4 cr: Engine Repair Lab
- **AUTO1516** - 4 cr: Brakes
- **AUTO2514** - 2 cr: Heating and AC
- **AUTO1514** - 4 cr: Engine Repair
- **AUTO1516** - 4 cr: Brakes
- **AUTO1512** - 2 cr: Engine Repair Theory
- **AUTO2514** - 2 cr: Heating and AC

### TECHNICAL STUDIES SEMESTER III

- **AUTO2502** - 4 cr: Engine Ignition & Emission Systems
- **AUTO2505** - 5 cr: Engine Fuel & Emission Systems
- **AUTO2506** - 7 cr: Principles of Torque Transfer
- **TRANS1520** - 2 cr: Workplace Perceptions & Expectations
- **AUTO2502** - 4 cr: Engine Ignition & Emission Systems
- **AUTO2505** - 5 cr: Engine Fuel & Emission Systems
- **AUTO2506** - 7 cr: Principles of Torque Transfer
- **TRANS1520** - 2 cr: Workplace Perceptions & Expectations

### TECHNICAL STUDIES SEMESTER IV

- **AUTO2511** - 3 cr: Auto. Transmission & Transaxle Overhaul
- **AUTO2512** - 3 cr: Driveline Repair
- **AUTO2514** - 3 cr: Heating & Air Conditioning
- **AUTO2511** - 3 cr: Auto. Transmission & Transaxle Overhaul
- **AUTO2512** - 3 cr: Driveline Repair
- **AUTO2514** - 3 cr: Heating & Air Conditioning
- **AUTO2511** - 3 cr: Auto. Transmission & Transaxle Overhaul
- **AUTO2512** - 3 cr: Driveline Repair
- **AUTO2514** - 3 cr: Heating & Air Conditioning

### GENERAL EDUCATION

- **General Studies Electives** - 7 cr
2020-2021
SCTCC AUTOMOTIVE SERVICE TECHNICIAN TOOL LIST

½ - 3/8” adaptor
1/4” 6-point Deep and shallow sockets 5.5 – 15mm
1/4” Ratchet standard length
1/4” Extensions 2”, 4” and 10”
1/4” Universal joint

3/8” 6-point Shallow and deep sockets 8-19mm chrome
3/8” 12-point shallow sockets 8-19mm chrome
3/8” Metric impact swivel sockets 10-24
3/8” Ratchet standard length
3/8” Extensions 3”, 6”, & 12”
3/8” Impact universal joint
3/8” Breaker bar

½” 6-point shallow sockets 10-19mm chrome
½” Metric impact sockets Deep 10-24
½” Ratchet standard length
½” Extensions 3”, 5” & 10”
½ “ Impact universal joint
½ “ Breaker Bar at least 16”
3/8” Torque wrench 5-100 lbft
1/2” Torque wrench 250 lbft.
1/2” Impact wrench

Torx sockets T8-T60
Inverted Torx sockets E4-E18 or E20

Pliers set (needle nose, diagonal, regular, comb)
Adjustable joint pliers 24in.
10” Vice grips
Standard comb wrench set 3/8 - 1
Metric comb wrench set 6 – 24 or higher
Flare nut wrench set ¼ - 3/4
Metric flare nut wrench set 9 – 21 mm
24 oz ball peen hammer
24 oz dead blow hammer
Drill bit set from 1/16 to 3/8
Metric hex key sockets- medium 4 – 12 mm
Screwdriver set 8 pc
Brake spring hold down tool
Brake return spring tool

Spark plug gap tool
Adjustable Spark tester
Swivel spark plug socket 5/8
Tire valve core tool
Tire pressure gauge
Thread depth tool
Tire air chuck
10” Mill file with handle
Medium rat tail file with handle

Angle Die grinder
3M scotch lock pad holder 3”
12 V test light
Wire crimper/ strippers
OSHA approved blow gun
Tape measure 25 ft
Utility knife
Punch and chisel set
Gasket scraper – semi flex
Magnetic pickup tool
18” or larger pry bar (no screwdrivers)
Cordless LED or Fluorescent light
(no flashlights)

Large oil filter wrench
Small oil filter wrench
6” steel rule
Inspection mirror
Safety glasses
Wire brush
Thermometer
Coolant Hydrometer
Fender cover
Soldering gun - Butane
Feeler gauge set 25 blade
Trans pick set
Tool box

2 Auto tech shirts
(purchase from bookstop only)
DVOM ( Purchase from bookstop)