

## Personality + Career

You will be successful in this career field if you enjoy working with your hands, like to discover how mechanical and electrical systems work together and want to help maintain safe, reliable and economical transportation options. This is an industry that is made up of a diverse landscape of shops across the country.



Graduates can gain employment in large dealerships or smaller powersports shops, even working as a mechanic on a top racing team. It remains a field that is commonly made up of small-business opportunities. A large population of graduates own their own powersports repair shop or dealership. Graduates have many opportunities beyond a repair role as many are servicing large equipment or working in related mechanical fields. Knowing the basic science and having an industrial foundation of how machines work opens a world of opportunity. Many of these jobs are located where the best recreational opportunities exist throughout the world.

Program	Credential	What do students learn	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
Powersports Technology	Diploma	Students learn about power sports, machines, the industry, and the facilities and equipment needed to service motorcycles, ATV and UTV vehicles. Students also learn to test, repair, and perform maintenance on the electrical, chassis, brake, tire and wheels, and steering. Engine performance and repair systems are also taught. Students will gain hands-on experience in rebuilding two- and four-cycle engines.	\$14.00 per hour; \$29,120 annually.	Service Technician	Upon completion of the diploma, students are eligible to apply for the Automotive Maintenance Certificate.	Tools are required. See provided list. Uniform shirts are required and can be purchased through the Campus Store.
Powersports Technology	Associate of Applied Science	In addition to the concepts noted above, students will increase their knowledge of engine repair and performance with advanced knowledge of disassembly, machining, fuel and ignition systems. The function and repair of suspension systems, forks, shocks, anti-lock and linked braking systems, and spoked wheel lacing are also covered. Students can also take a personal watercraft course to gain repair and maintenance skills for those vehicles.	(salary listed above is an average for all credentials)	Service Technician	Diploma and A.A.S. students are eligible to test for: Yamaha Training and Certification, Polaris Master Service Dealer (MSD) Certification, and Suzuki Bronze Technician Certification.	Tools are required. See provided list. Uniform shirts are required and can be purchased through the Campus Store.

The powersports industry is more than somebody's hobby. The list of uses include watercraft, snowmobiles, motorcycles, UTVs and ATVs, which are used by ranchers, farmers, utility workers, law enforcement, forestry, and emergency personnel. Many businesses depend on powersports vehicles, but don't forget the fun-factor in powersports, too!!

### » 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 Powersports

### 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)

## Powersports Technology



Powersports Technology students at Southeast Community College embark on a hands-on learning journey. Students build a knowledge of how powersports equipment is designed and built. Then the knowledge is developed into working skills used for diagnosis and repairs. All of this leads to a lab experience where our students perform live repairs on working vehicles, typically owned by customers or the student. These repairs are on all types of vehicles, all intended to return to streets, trails, farm or the water.

The powersports industry is about sales, service, and accessorizing. You may know that mechanics fix cars and trucks, however, at SCC we offer students a career option that leads directly to great jobs in the powersports field. This program offers hands-on training. To get the most success out of this program, students must want to actively participate and be present in this process every day. This is a great option for learners who want more than what a textbook and lecture can offer.

Students are encouraged to get a motorcycle endorsement for test riding purposes while in the program and in order to increase employment opportunities. It is not a requirement to start or complete the program.

### Program Contact Information

Barry Smith, Program Chair

402-437-2643, 800-642-4075 ext. 2643

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



# The SCC Experience

- » The powersports industry is focused on vehicle performance and accessorizing with the latest trends. Our students learn how to repair and build machines with the “WOW” factor effect, both in looks and performance.
- » Our faculty have excelled not only in the service and sales of high-performance vehicles, but also competed at a high level in a variety of powersports competition disciplines. Our instructors incorporate their experience in building the performance needed to win on a competitive stage. This program is built on small class sizes where students can choose the intensity of experience they want in each area.
- » We mix classroom instruction with hands-on learning to develop an understanding of vehicle operation and diagnosis skill. Since our lab is run like a repair shop with actual customers, students get to service powersports and motorcycle equipment that needs repairs, not simply staged for practice. This experience helps our students transition into the workplace right after graduation.
- » Powersports Technology has a cooperative experience that is optional for students who want to spend part of their training time in a business learning directly from industry leaders. Cooperative experiences are paid and often lead to job opportunities.
- » Students are eligible to test for: Yamaha Training and Certification, Polaris Master Service Dealer (MSD) Certification, and Suzuki Bronze Technician Certification.



## TOOLS

Many tools are provided and students are only asked to purchase minimum tools in their first term, giving them time to explore and learn. Students then add to tools in future semesters. Tools are an investment in a student's career and SCC works with a variety of tool vendors to give students options. Many vendors offer students a significant discount. Students can also purchase tools from other vendors not associated with the College. Program faculty and advisors will provide students with specific information related to tools prior to the start of their first semester.

During the first week of each semester, tool vendors come to campus and provide students with options to buy single tools or tool sets based on program needs. Faculty will be available to help students make selections based on course and program needs.

### Powersports Technology - Required Basic Tool List

#### 1ST SEMESTER TOOL SET:

- Fluke Multi-meter (\*\*87 or 88)
- Terminal Removal Tool – (for Computer Control Terminal)
- 12V Test light (bulb-type, no logic probes)
- Wire-stripper/crimping-pliers
- Ear protection
- LED Pen light w/batteries
- Air chuck/ Tire pressure inflator
- Tire psi gauge
- Valve core tool
- Rubber tip air nozzle
- Antifreeze tester
- Pick set (4 piece)
- Magnetic pick up tool (telescoping)
- Inspection mirror
- Pocket Screwdriver

- \*Jumper wire set
  - \*Punch and Thread Kit W/Block
- \*THESE ITEMS ARE PURCHASED THROUGH SCC CAMPUS STORE OR PARTS ROOM*

#### WELDING EQUIPMENT

- (needed either 1st or 2nd semester depending on program)
- Burn Jacket or Welding Leathers
  - Safety Glasses with side shields
  - Gauntlet style welding gloves
  - Auto darkening welding helmet (“Grind Mode”, #5 shade for oxy acetylene, and a #10 shade)
  - MIG welding pliers (must be able to cut .035” welding wire)
  - Ear Plugs (3 Pair)
  - Leather Boots
  - Denim pants (No holes or tears in them)
  - Welding Beanie (optional but beneficial)

#### 2ND SEMESTER TOOL SET:

##### TOOL STORAGE

- Roll Cabinet Tool Box: 56” Max Length

##### 1/4” DRIVE

- 3/16”-9/16” 6pt and deep 6pt
- 5-14mm 6pt and deep 6pt
- 2” and 6” extensions
- Ratchet

##### SCREWDRIVERS

- Phillips 1,2, and 3
- 1”x1/4” - 13”x1/2” flat blade including stubby
- magnetic ratcheting screwdriver >> 1,2,3 Phillips bits >> Torx bits 10,15,20,25,27,30,40

##### PLIERS

- 6” slip joint combination
- 7” diagonal cut
- 6” needle nose
- 10” Channel Locks
- 6” Vise Grips
- Snap ring pliers (3 pieces) >> Inside-outside combo small, medium, large

##### HAMMERS

- 16 oz. ball peen
- 16 oz. soft face dead blow

##### PUNCHES/CHISELS/FILES/SAW

- Center punch
- Brass drift (min. 6”)
- 10” flat, 8” round, 6” tri files
- 3/32”-5/16” pin punch
- 1/4” cold punch
- 3/8” drift punch (12”)
- 1/2” cold chisel

##### MISCELLANEOUS

- 6” dual dial caliper (metric and standard reading)
- 16” rolling head bar
- 1.5mm-10mm Allen wrench
- Rat tail file
- Hand impact driver w/Phillips 1,2,3
- Tank protector
- 4” soft jaw vice
- 12” hacksaw with blades

##### WRENCHES

- Adjustable Wrench 10”
- Combination Wrench 6mm-19mm
- Combination Wrench 3/8”-1”
- Flare Nut 9mm,10mm,11mm,12mm

##### 3/8” DRIVE

- ratchet 6”
- 6-19mm socket shallow and deep 6pt.
- 3/8”-3/4” socket shallow and deep socket 6pt
- spark plug 5/8” and 13/16” and 18mm
- (4) 1”-12” extensions
- drive long hex bit (metric - 4mm-10mm)
- drive breaker bar
- 3/8” drive impact socket (metric - 10mm-19mm)
- 3/8” drive impact socket (standard - 3/8”-3/4”)
- 3/8” drive air impact gun
- 3/8” drive torque wrench 10-70 ft/lb

#### RECOMMENDED BUT OPTIONAL:

- Oil filter socket set
- Automatic Center Punch
- 1/2” Drive Ratchet
- Hex Sockets – 12, 14, 17, 19, 22 & 24mm
- 1/2” drive sockets – 21, 22, 24, 27, 30, 32 & 34 mm
- 1/2” Impact Gun
- 1/2” Breaker bar
- 3/8” drive universal flex socket (10mm-19mm)
- 3/8” drive short hex bit (4mm – 10mm)
- 3/8” Drive Cordless Impact
- 3/8” - 24” extensions

### Related Transportation Programs at SCC:

- Agriculture Management & Production (Agronomy focus)
- Automotive Technology
- John Deere Construction and Forestry Equipment Tech
- Diesel-Ag Equipment Service Technology
- Diesel Technology-Truck
- Ford Automotive Student Service Educational Training Program
- General Motors Automotive Service Educational Program
- John Deere Tech
- Precision Agriculture
- Professional Truck Driving
- Technical Skills Instructor

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 - Part Time	Is Summer Term Required for Part Time?	Typical Class Schedule
Powersports Technology	Diploma	Milford	32	R- \$3,936 NR- \$4,608	\$5,940	\$5,000	R- \$9,876 NR- \$15,548	Fall, Spring	2	No	No	No	No	Dependent on student's pace.	No	Monday-Thursday, 8 a.m. - 4 p.m. Friday, 8 a.m. - Noon
Powersports Technology	Associate of Applied Science	Milford	64	R- \$7,872 NR- \$9,216	\$5,960	\$5,000	R- \$13,832 NR- \$20,176	Fall, Spring	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.