



Program Map

Automotive Technology and Outdoor Powered Equipment: Small Engine Repair Advanced



Certificate: Level 1 (C1)

DESIGN, MANUFACTURING, CONSTRUCTION & APPLIED TECHNOLOGY

Program Description: This program will provide power mechanics technology training in the principles and operation of two and four cycle small engines, electrical systems, engine failure analysis, tune-up, hydraulic principles and extensive laboratory experience. It encompasses equipment that is powered by small engines, i.e., lawn mowers, grass trimmers, and chain saws. It covers cutting deck mounting, height and drive belt adjustments. It also includes gear case overhaul, and chain service and repair.

The capstone is a learning experience resulting in consolidation of a student's educational experience and certifies mastery of entry-level workplace competencies.

If this pathway is followed as outlined, you will earn a Certificate in Small Engine Repair.

Use this Program Map to choose courses with your college advisor and track your progress towards milestones and completion of program.

Contact:
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 Department Chair
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 512-223-0346

Department Website:
 sites.austincc.edu/ope/

Pre-Degree Requirements

| | | |
|------------------|---|---|
| Program Specific | Reading and Writing Placement <i>Placements based on TSI</i> | Mathematics Placement <i>Placements based on TSI</i> |
|------------------|---|---|

SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS

Plans can be modified to fit the needs of part-time students by adding more semesters

| Semester 1 | CR | Advising Notes |
|---|-----------|---|
| DEMR 1401 - Shop Safety and Procedures | 4 | |
| SMER 1425 - Small Engine Electrical Systems | 4 | |
| SMER 1438 - Small Engine Drive Systems | 4 | |
| | 12 | Program Semester Hours / Meet with your advisor |
| Semester 2 | | |
| SMER 1437 - Small Engine Four Stroke Engine/Transmission | 4 | |
| SMER 1491 - Special Topics in Small Engine Mechanic and Repairer | 4 | Prerequisites: DEMR 1401, SMER 1425, SMER 1437. Topic: Small Engine LPG/Clean Energy Systems. |
| SMER 1431 - Small Engine Tune Up | 4 | Prerequisites: DEMR 1401, SMER 1425, SMER 1437. |
| | 12 | Program Semester Hours / Meet with your advisor |
| Semester 3 | | |
| SMER 1428 - Small Engine Service Principles | 4 | Prerequisites: DEMR 1401, SMER 1425, SMER 1431, SMER 1437. |
| SMER 1466 - Practicum (or Field Experience) – Small Engine Mechanics and Repair Technology/Technician | 4 | Prerequisites: DEMR 1401, SMER 1425, SMER 1431, SMER 1437, SMER 1438. Capstone course. ACHIEVEMENT: Completion of Level 1 Certificate |
| | 8 | Program Semester Hours |
| Total Program Hours: | | 32 |

Please always check online at austincc.edu/catalog or meet with your academic or program advisor to ensure that you are viewing the latest and most accurate information.

Career & Transfer Resources

ACC's Career & Transfer websites provide detailed, guided information on career exploration and transfer.

www.austincc.edu/career; www.austincc.edu/transfer

For further information regarding this specific program, please see the Career & Transfer Resources supplement provided in the next section of this Program Map.

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Career & Transfer Resources Updated 8/18/17

Career Information

Common Job Titles

Outdoor Power Equipment and Other Small Engine Mechanics (includes Golf Cart Mechanic, Lawnmower Repair Mechanic, Mechanic, Outdoor Power Equipment Service Technician, Service Technician, Small Engine Mechanic, Small Engine Technician)

Regional Labor Market Information

Outdoor Power Equipment and Other Small Engine Mechanics: New workers generally start around \$20,354. Normal pay for Outdoor Power Equipment and Other Small Engine Mechanics is \$24,235 per year, while highly experienced workers can earn as much as \$47,796. Over the last year, eight companies have posted 64 jobs for Outdoor Power Equipment and Other Small Engine Mechanics in this region. There are currently 234 Outdoor Power Equipment and Other Small Engine Mechanics that are employed in Austin-Round Rock, TX.

Source: <https://austincc.emsicc.com/careers/outdoor-power-equipment-and-other-small-engine-mechanic/employment>

Career and labor market research tools (see Quick Reference Guide at <http://www.austincc.edu/career>):

EMSI: <https://austincc.emsicc.com/>, Bureau of Labor Statistics: <http://www.bls.gov/ooh/>, O*NET: <https://www.onetonline.org/>

Career Resources: ACC's career services website provides information on career exploration and employment at <http://www.austincc.edu/career>. Students are encouraged to consult with their area of study advisor for additional career assistance. The above information is provided as a guide and reference tool for occupations related to this program. This is not a guarantee of job placement in any of these occupations after successful completion of an ACC program. The common job titles listed are representative titles and are provided for career research. These are not the only occupations possible in this area of study.

Transfer Information

The Level 1 Certificate in Small Engine Repair prepares students to directly enter the workforce.

Additional Transfer Resources: ACC's transfer website provides information on additional colleges & universities:

<http://www.austincc.edu/transferguides>. Students are encouraged to consult with a faculty advisor, area of study advisor, and/or their chosen transfer institution to ensure courses taken at ACC will apply toward their bachelor's degree program