

## NORTH MONTCO TECHNICAL CAREER CENTER OUTDOOR POWER EQUIPMENT TECHNOLOGY

From industrial and construction tools such as rollers, forklifts, concrete mixers, pumps and generators to lawn and garden equipment, such as mowers and chain saws, small engines power many machines that make our lives easier and more enjoyable. **Outdoor Power Equipment Technology** is the study of “how and why” machinery operates along with the “whys” of machinery failure and the learning of “how to” diagnose the problems and make proper, efficient repairs. This program also explores alternate fuel systems in order to prepare students for future small engine technology.

### What you will learn:

- Internal combustion engines
- Engine troubleshooting/repair
- Power drives
- Transmissions
- Transaxles
- Auxiliary and Implement drives
- Hydraulic systems
- Electrical systems
- Maintenance and repair servicing of steering, braking, suspension, wheels and tires, frames and chassis, accessories and implements

### Physical criteria:

- Manual dexterity
- Heavy lifting/carrying
- Strong eye/hand coordination
- Physical stamina/strength
- Pushing/Pulling
- Good depth and color perception

### Career possibilities:

- Motorcycle Technician
- Outdoor Power Equipment Technician
- Motorboat Technician
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### Career possibilities with additional education:

- Motorcycle Dealer
- Outdoor Power Equipment Professional
- Service Manager

### Uniform/equipment list:

#### (With approximate costs)

- Power and Transportation Cluster uniform shirt (**shirt must be purchased from the NMTCC Power and Transportation Cluster**), safety glasses, 1” binder and pencil, SkillsUSA dues (\$30)
- Work pants (\$15-\$20)
- Work boots (\$20-\$30)
- USB flash drive (also known as a jump drive or memory stick) (\$10-15)
- Workbook (\$20)

### Certifications students can earn:

- SP/2 Safety and Pollution Prevention
- EETC Technician (Equipment and Engine Training Council)

### Class of 2010 graduation plans:

- 43% plan to continue their education in this field
- 14% found employment in this field
- 14% will be joining the military
- 29% will be working in a different field

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