

PROGRAM COMPETENCIES

Safety

- Basic Shop Safety
- Fire Safety
- OSHA Training
- Oxy-Acetylene Safety
- Proper Use of Hand and Power Tools

Measuring Tools

- Rulers (Metric and US)
- Precision Measuring (Metric and US)

Hardware

- Metric and US Threaded Fasteners
- Non-Threaded Fasteners
- Thread Cutting (Internal and External)

Computer Training

- Use computers to look up service parts and specifications
- On-line assignments and testing to obtain industry certifications

Basic 2 and 4-Stroke Engine Theory

- Basic Parts and Operation
- Inspection
- Carburetion
- Ignition Systems
- Troubleshooting

Basic Electrical

- A/C-D/C Circuits
- Batteries
- Use of Multi-Meters Troubleshooting
- Wiring and Schematics

Troubleshooting

- Engine, Chassis, Electrical
- Failure Analysis
- Mechanical Malfunctions

Welding

- Oxy-Acetylene
- Mig Welding

Equipment Introduction

- Hand-held Equipment
- Stationary Equipment
- Lawn Tractors
- Commercial Mowing Machines
- Small Farm Equipment
- Motorcycles
- Four-wheelers

PROGRAM COMPETENCIES

Safety Review

- Basic Shop Safety
- Fire Safety
- Personal Protective Equipment
- Proper Use of Hand and Power Tools

Advanced 2 and 4-Cycle Theory

- Small Engine Repair and Rebuilding
- EETC Engine Certification

Computers

- Parts and Service Information
- On-line Training and Certifications

Introduction to Motorcycle

- Clutches
- Steering
- Braking

Power Train

- Clutches
- Transmissions

Advanced Troubleshooting and Failure Analysis of:

- Electrical and Mechanical Malfunctions

Advanced Electrical

- VOM Meter Training
- Circuits
- Schematic Reading

Welding

- Oxy-Acetylene Review
- Mig Welding

Hydraulics

- Open Center Systems
- Test GPM Flow and Pressures

Diesel Engines

- Basic Theory and Service