MOTORCYCLE ENGINE FUEL SYSTEMS MAINTENANCE
Course Syllabus

Course Number: MOTO-0291  
OCAS Code: None  
Course Length: 120 Hours  
Career Cluster: Transportation, Distribution, and Logistics  
Career Pathway: Facility and Mobile Equipment Maintenance  
Career Major(s): Motorcycle and Watercraft Technician  

Pre-requisite(s): Fuel system repairs are the most common repairs seen by motorcycle repair professionals. The Motorcycle Engine Fuel Systems Maintenance course targets the fuel storage and fuel delivery systems fundamentals of operation and service procedures. Students will develop skills to remove, service, replace, and adjust carbureted and fuel injected systems.


Course Objectives:

A. Demonstrate an Understanding of the Steps Required to Service a Carburetor.
   1. Remove a motorcycle carburetor
   2. Disassemble a motorcycle carburetor
   3. Clean and inspect a motorcycle carburetor
   4. Reassemble a motorcycle carburetor
   5. Install a motorcycle carburetor
   6. Adjust float level
   7. Verify passages are clear
   8. Adjust fuel air ratio

B. Inspect and clean cold start systems.

C. Remove, clean, and install a fuel tank and fuel valve.

D. Inspect fuel injection system.

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.
Grading Procedures:  
1. Students are graded on theory and shop practice and performance.  
2. Each course must be passed with seventy (70%) percent or better.  
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment:  
Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit:  
The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee, Rogers State University or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility:  
The student must maintain a grade point average of 2.0 or better.