MOTORCYCLE WHEELS, TIRES, & BRAKING SYSTEMS SERVICE
Course Syllabus

Course Number: MOTO-0843
OCAS Code: None
Course Length: 45 Hours
Career Cluster: Transportation, Distribution, and Logistics
Career Pathway: Facility and Mobile Equipment Maintenance
Career Major(s): Motorcycle and Watercraft Technician

Pre-requisite(s):
The Motorcycle Wheels, Tires, & Braking Systems Service course provides students with design and application information that prepares the student to effectively inspect, remove, repair/replace, and reinstall wheels, tires, and braking systems on modern motorcycles.


Course Objectives:
A. Service Tires and Wheels on a Motorcycle and ATV.
   1. Remove, replace/repair, and install a front tire and wheel assembly on a motorcycle ¹
   2. Remove, replace/repair, and install a rear tire and wheel assembly on a motorcycle ¹
   3. Replace a damaged rim and respoke and true a motorcycle wheel ¹
   4. Remove, replace/repair, and install a tire on an ATV ¹

B. Service Motorcycle Brake Systems.
   1. Replace brake shoes on a drum-type brake and adjust the brake ¹
   2. Replace brake pads on a disc system ¹
   3. Bleed a hydraulic brake system ¹

¹ ODCTE, Motorcycle Technician Skills Standards, Duty F

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.
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| 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. |