This Career Pathway Plan of Study (based on the Facility and Mobile Equipment Maintenance Pathway of the Transportation, Distribution and Logistics Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner’s educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

### Transportation: Facility and Mobile Equipment Maintenance: Motorcycle, Marine and Outdoor Power Products Technician

#### Career Pathway Plan of Study for
- **Learners**
- **Parents**
- **Counselors**
- **Teachers/Faculty**

- **SECONDARY**
  - Interest Inventory Administered and Plan of Study Initiated for all Learners
  - College Placement Assessments-Academic/Career Advisement Provided

- **WITC MOTORCYCLE, MARINE AND OUTDOOR POWER PRODUCTS TECHNICIAN**

##### Year 13
- Applied Communications
- Math 373
- Applied Human Relations

##### Year 14
- Small Engine and Chassis Repair 1;
- Introduction to 12-Volt Electrical Theory;
- Introduction to Power Trains; Introduction to Mobile Hydraulics; Introduction to Diesel Engines; Welding for Mechanics

##### Year 15
- Small Engine and Chassis Repair 2; Small Engine and Chassis Theory; Marine Service; Motorcycle Service; ATV Service

<table>
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<tr>
<th>EDUCATION LEVELS</th>
<th>GRADE</th>
<th>English/Language Arts</th>
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<th>Recommended Electives</th>
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<th>*Career and Technical Courses and/or Degree Major Courses for Facility and Mobile Equipment Maintenance Pathway</th>
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</table>
| Ashland High School |       |                       |      |         |                         |                        |                  |                      |                   | Facility
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Electrical/Electronic Technician
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Facility Engineer
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Facility Maintenance Manager and Engineer
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Industrial Electrician
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Industrial Equipment Mechanic
|                   |       |                       |      |         |                         |                        |                  |                      |                   | Mobile Equipment
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Aerospace Engineering and Operations Technician
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Aircraft Mechanic and Service Technician
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Automotive Service Technician
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Avionics Technician
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Bus and Truck Mechanic
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Collision Repair Technician
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Diesel Engine Specialist
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Motorboat Mechanic
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Off-Road Equipment Technician
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Rail Locomotive and Car Mechanic and Repairer
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Service Manager
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Service Writer
|                   |       |                       |      |         |                         |                        |                  |                      |                   | - Ship Mechanic and Repairer

### Notes
- Courses with advanced standing and/or transcripted credit are indicated in RED.
- Articulation/Dual Credit Transferred-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.
- WITC has articulation agreements with the following institutions for students who graduate from WITC with a Technical Diploma in Motorcycle, Marine, and Outdoor Power Products Technician. Students should check with the institution they wish to transfer to for specific courses and credits that transfer.
  - **PRIVATE:** Upper Iowa University, Fayette, IA or Online Programs
  - **State:** Minnesota State University, Mankato
  - **Regional:** University of Dubuque, Iowa or Dubuque
  - **National:** Upper Iowa University, Fayette, IA or Online Programs

Credits may transfer to other institutions. Check with admissions advisors at institutions for specific course and/or credit transfers.

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