

POWERSPORTS AND SMALL ENGINE REPAIR TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

Explore More About This Program: <https://cwi.edu/program/powersports-and-small-engine-repair-technology>

Degree Quick Facts

- **Instructional School:** Industry, Engineering, and Trades
- **Department:** Powersports and Diesel Technology
- **Program Code:** PSER.AAS
- **Program Type:** Career and Technical Education
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** Yes

NOTE: Courses required for this program *may* have an additional fee; more information can be found on the [Special Course Fees](#) web page.

Degree Requirements

Course	Course Title	Min Credits
General Education Requirements		
ENGL 101	Writing and Rhetoric I (Recommended GEM 1) ¹	3
COMM 101	Fundamentals of Oral Communication (Recommended GEM 2) ¹	3
MATH 118 & 118L	Technical Math and Technical Math Lab (Recommended GEM 3) ¹	3
ECON 201	Principles of Macroeconomics (Recommended GEM 6) ¹	3
PHIL 103	Introduction to Ethics (Recommended GE Elective) ¹	3
Major Requirements		
PSER 105	Foundations of Safety and Tools	3
PSER 110	Dealership Operations	3
PSER 111	Basic Fuel Systems and Outdoor Power Equipment Maintenance	6
PSER 112	Outdoor Power Equipment Engines	3
PSER 125	Basic Electrical Systems	3
PSER 130	Drivetrain and Chassis Components	6
PSER 200	Powersports Maintenance and Light Repair	3
PSER 240	Engine Management and Advanced Fuel Systems	3
PSER 245	Advanced Electrical Systems and Diagnostics	3
PSER 250	Powersports Engines	3
PSER 255	Suspension Technology	3
PSER 260	Dynamometer and Performance Technology	3
PSER 295	Powersports Industry Practicum	3
Minimum Credit Hours Required		60

¹ The general education (GE) courses listed above are recommended by the department as the most beneficial GE options for students in this program. **Please note that students may fulfill their GE requirements by completing another course from within the designated general education category.**

Degree Plan: Fall Start

The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/or corequisites that have been accounted for within this course sequence plan. Please register for each semester as shown using the Student Planning tool in myCWI. Consult your advisor for any questions regarding this course sequence plan.

****NOTE****

Powersports and Small Engine Repair Technology (PSER) majors are required to complete five general education courses in order to receive an Associate of Applied Science degree. While it is recommended that students complete all five of their required general education courses during the spring and/or summer semester(s) prior to beginning the program, students may elect to complete GEM courses during regular semesters while enrolled in PSER courses or during the summer semester between their first and second year in the program.

First Year

		Credit Hours
Fall		
First 4-Week Course Session		
PSER 105	Foundations of Safety and Tools	3
Second 4-Week Course Session		
PSER 110	Dealership Operations	3
Second 8-Week Course Session		
PSER 111	Basic Fuel Systems and Outdoor Power Equipment Maintenance	6
Full 16-Week Course Session		
Select one of the following:		3
COMM 101	Fundamentals of Oral Communication (Recommended GEM 2) ¹	
ENGL 101	Writing and Rhetoric I (Recommended GEM 1) ¹	
Total Semester Credit Hours		15

Spring

First 4-Week Course Session		
PSER 112	Outdoor Power Equipment Engines	3
Second 4-Week Course Session		
PSER 125	Basic Electrical Systems	3
Second 8-Week Course Session		
PSER 130	Drivetrain and Chassis Components	6
Full 16-Week Course Session		
MATH 118 & 118L	Technical Math and Technical Math Lab (Recommended GEM 3) ¹	3
Total Semester Credit Hours		15

Second Year

Fall		
First 4-Week Course Session		
PSER 200	Powersports Maintenance and Light Repair	3
Second 4-Week Course Session		
PSER 240	Engine Management and Advanced Fuel Systems	3
Third 4-Week Course Session		
PSER 245	Advanced Electrical Systems and Diagnostics	3
Fourth 4-Week Course Session		
PSER 255	Suspension Technology	3
Full 16-Week Course Session		
Select one of the following:		3
COMM 101	Fundamentals of Oral Communication (Recommended GEM 2) ¹	
ENGL 101	Writing and Rhetoric I (Recommended GEM 1) ¹	
Total Semester Credit Hours		15

Spring

First 4-Week Course Session		
PSER 250	Powersports Engines	3
Second 4-Week Course Session		
PSER 260	Dynamometer and Performance Technology	3
Full 16-Week Course Session		
ECON 201	Principles of Macroeconomics (Recommended GEM 6) ¹	3
PHIL 103	Introduction to Ethics (Recommended GE Elective) ¹	3
PSER 295	Powersports Industry Practicum ²	3
Total Semester Credit Hours		15
Minimum Credit Hours Required		60

- ¹ The general education (GE) courses listed above are recommended by the department as the most beneficial GE options for students in this program. **Please note that students may fulfill their GE requirements by completing another course from within the designated general education category.**
- ² PSER 295 Powersports Industry Practicum may also be completed during students' second fall semester if preferred. If students take PSER 295 in the fall, it is recommended that they complete their GEM 1 or GEM 2 requirement in their final spring semester instead.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Demonstrate the appropriate mastery of knowledge and skills that are identified by the Program Task List to become a successful entry-level powersports and/or power equipment and/or related industries technician.
- Demonstrate the ability to identify, analyze, and solve technical problems associated with being an entry-level powersports and/or power equipment and/or related industries technician.
- Identify the different career opportunities available within the powersports and outdoor power equipment industries.
- Demonstrate the ability to effectively provide a high level of customer service within all aspects of the powersports and outdoor power equipment industries.
- Demonstrate knowledge and understanding of safety practices specifically related to Powersports and Small Engine Repair Technology at CWI.
- Demonstrate proper work habits and ethics.
- Demonstrate the ability to communicate effectively, both orally and in writing.