

POWERSPORTS TECHNOLOGYASSOCIATE OF APPLIED SCIENCE (AAS) - 69 CREDITS

About this program

Powersport technicians maintain, troubleshoot and repair equipment found in the powersport industry, including marine, snowmobile, motorcycle, all-terrain vehicle (ATV) and lawn equipment. In this program, you will gain the knowledge and hands-on experience to perform competently at the dealership level and be trained to gain the soft skills to help you toward the goal of management, manufacturer technical service representative or business ownership. Students will perform services on modern products using specialty tools and factory test equipment. Along with taking factory certification exams, students learn how to plan and perform repairs according to manufacturers' recommended procedures.

Program outcomes

- 1. Demonstrate safety, professionalism and related soft skills.
- 2. Apply theory of vehicle operating systems.
- 3. Diagnose vehicle operating systems.
- 4. Repair vehicle operating systems.
- 5. Interpret service information.

Curriculum overview

Crds Requirement type

- 54 Required courses
- 9 Restricted electives in subjects
- 6 Restricted electives in course types
- 69 Total

Developmental courses note: A student may be required to enroll in developmental courses in reading, writing and math. A student's scores on the Accuplacer assessment will determine enrollment in developmental courses. The purpose of developmental courses is to prepare students for the demands of a college-level curriculum. *Credits may vary.*

Accreditation: Minnesota State Community and Technical College is accredited by the Higher Learning Commission, a regional accreditation agency recognized by the U.S. Department of Education. More information can be found at www.minnesota.edu/accreditation.



Curriculum requirement details

Required courses

Crds Course PWST1002 - Snowmobile, Off Road Vehicle and Motorcycle Maintenance PWST1014 - Personal Watercraft and Marine Engine Maintenance PWST1015 - Marine Engine Installation and Set Up 3 PWST1017 - PowerSports Fuel Systems 3 PWST1021 - Ignition, Charging and Starter Systems 3 PWST1025 - Marine Fuel Systems 3 PWST2210 - Snowmobile Clutch and Drive Systems 3 PWST2308 - Advanced Snowmobiles 3 PWST2312 - Advanced Motorcycle Systems 3

Other requirements or restricted electives

3 credits from one or more of these Subjects:

PSYC

3 credits from one or more of these Subjects:

• ENGL

3 credits from one or more of these Subjects:

POLS

3 credits from these Course Types:

General Education w/MnTC Goals

3 credits from these Course Types:

• General Education w/MnTC Goals



Course summaries

PWST1000 - Introduction to PowerSports
PWST1002 - Snowmobile, Off Road Vehicle and Motorcycle Maintenance
PWST1014 - Personal Watercraft and Marine Engine Maintenance
PWST1015 - Marine Engine Installation and Set Up
PWST1017 - PowerSports Fuel Systems
PWST1021 - Ignition, Charging and Starter Systems
PWST1025 - Marine Fuel Systems
PWST1080 - Snowmobile Engines
PWST1115 - Electrical Foundations
PWST2013 - Power Hydraulics
PWST2016 - Outboard Engine Systems
PWST2017 - Marine Drive Systems
PWST2115 - All-Terrain Vehicles Systems
PWST2206 - Chainsaws and Generators

Prerequisites:

• PWST1115



This course is designed to test troubleshooting skills and knowledge. Students will be presented with motorcycle problems and, using a systematic approach, students will identify and repair the unit. This course is designed to simulate the role of a technician in a dealership. Students will be expected to write a work order, estimate repairs, make the repair and finalize the work order.



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Program Plan — "AAS"

Locations: Moorhead

1st Fall Term (18 credits)

Courses

Course	Cro
PWST1000 - Introduction to PowerSports	3
PWST1017 - PowerSports Fuel Systems	3
PWST1080 - Snowmobile Engines	3
PWST1115 - Electrical Foundations	3
PWST2210 - Snowmobile Clutch and Drive Systems	3
PWST2308 - Advanced Snowmobiles	3

1st Spring Term (18 credits)

Courses

Course	Crds
PWST1002 - Snowmobile, Off Road Vehicle and Motorcycle Maintenance	3
PWST2115 - All-Terrain Vehicles Systems	3
PWST2304 - Motorcycles I	3
PWST2312 - Advanced Motorcycle Systems	3

3 credits in one or more of the following:

Course Subject: PSYC

3 credits in one or more of the following:

General Education w/MnTC Goals

2nd Fall Term (18 credits)

Courses

Course	Crd
PWST1014 - Personal Watercraft and Marine Engine Maintenance	3
PWST1021 - Ignition, Charging and Starter Systems	3
PWST1025 - Marine Fuel Systems	3
PWST2013 - Power Hydraulics	3
PWST2017 - Marine Drive Systems	3

3 credits in one or more of the following:

General Education w/MnTC Goals

2nd Spring Term (15 credits)

Courses

Course	Crds
PWST1015 - Marine Engine Installation and Set Up	3
PWST2016 - Outboard Engine Systems	3
PWST2206 - Chainsaws and Generators	3

3 credits in one or more of the following:

Course Subject: ENGL

3 credits in one or more of the following:

Course Subject: POLS