



PowerSport Technology

The PowerSport Technology program provides students with experiences which will enable them to learn industry job functions and attain service, maintenance, and diagnostic skills. The program covers information on motorcycle internal combustion engines, primary drive operation, transmission power flow, fuel system operation, electrical and suspension systems. Utilizing service center environment methods, the course prepares the successful student to understand and practice multiple roles and job functions used in the field. Students will learn maintenance on motorcycles, personal watercrafts, ATV's, and snowmobiles from a variety of manufacturers. Following the fundamental core training, students will then move into specific training on major manufacturers including Honda, Suzuki, Yamaha, Kawasaki and others.

<u>Course</u>	<u>Course Title</u>	<u>Clock Hours</u>	<u>Weeks</u>	<u>Quarter Credit Hours</u>
PSI-101	PowerSport Fundamental Skills	150	6	9.0
MS-101	Honda Technology	150	6	8.5
MS-102	Kawasaki Technology	150	6	8.5
MS-103	Yamaha Technology	150	6	8.5
MS-104	Suzuki Technology	150	6	8.5
MS-105	Off Road Technology	150	6	9.0
AVT-101	American V-Twin (HD) Technology 1	150	6	8.0
AVT-102	American V-Twin (MSD) Technology 2	<u>150</u>	<u>6</u>	<u>8.0</u>
		1200	48	68.0

PSI-101 – PowerSport Fundamental Skills

This module is designed to provide students with basic understanding of 2-stroke and 4-stroke engine operation, part/component identification, powersport electronics and suspension components while utilizing his/her textbook/workbook, shop resource materials, and the Resource Center coupled with hands on training the student will have a core knowledge of the fundamentals of most powersport vehicles

MS-101 Honda Technology

This manufacturer supported course focuses on the requirements to become successful as a Honda Bronze-Level technician. This course prepares students to perform general maintenance procedures on Honda products including Honda ATV's and motorcycles. Utilizing Honda resource materials students will perform service intervals and chassis maintenance procedures on ATV's and motorcycles. Students will also learn to service Honda engines, drive systems, electrical systems and include the Honda service environment for troubleshooting of drivability issues, chassis service and suspension.

MS-102 Kawasaki Technology

This manufacturer supported course prepares students to operate in a Kawasaki service environment. Students will perform general maintenance procedures on Kawasaki products including ATVs, utility vehicles and motorcycles as well as become familiar with the K-Dealer website. Utilizing Kawasaki resource materials students will perform service intervals and chassis maintenance procedures. Students will also learn to service Kawasaki engines, drive systems and electrical systems. Students will learn the Kawasaki service environment for troubleshooting of drivability issues, fuel injection systems, perform brake and chassis service and suspension work and then into advanced electrical diagnosis using Kawasaki Diagnostic Software (KDS).

MS-103 Yamaha Technology

This manufacturer supported course provides learning experiences which will enable the successful student to learn the specialized knowledge and service skills required of a Yamaha service technician. Students will perform general maintenance procedures on Yamaha products including ATVs and motorcycles as well as become familiar with the Yamaha Technical Academy opportunities. Utilizing Yamaha resource materials students will perform service intervals and chassis maintenance procedures as well as service engines, drive systems and electrical systems. Students then move into the Yamaha bronze level training program for servicing a variety of Yamaha products.



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MS-104 Suzuki Technology

This manufacturer supported course is to provide learning experiences which will enable the successful student to learn the specialized knowledge and service skills required of a Suzuki service technician including the Suzuki ServicePro recognition. Students will perform general maintenance procedures on Suzuki products. Utilizing Suzuki specific websites and resource materials, students will perform service intervals and chassis maintenance procedures, as well as service engines, drive systems and electrical systems.

MS-105 Off-Road Technology

This Manufacturer supported course provides experiences which will enable the successful student to learn Kawasaki, Polaris and other off-road brands chassis and suspension maintenance and repair procedures on snowmobiles as well as multiple brands of all-terrain vehicles (ATV's) and recreational utility vehicles (RUV's). Students will also have the opportunity to complete the requirements for their Polaris Master Service Dealer Training (MSD) certifications.

AVT-101 American V-Twin (HD) Technology 1

This course introduces students to V-Twin engine technology, which enables the successful student to develop the skills and knowledge required to service Harley-Davidson and S&S engines. Harley-Davidson and V-Twin electrical system testing, and troubleshooting is practiced being able to diagnose charging, ignition, starting and lighting systems issues. Students will perform periodic maintenance procedures on V-Twin motorcycles, including fuel systems which provides a solid understanding of motorcycle fuel injection system components and diagnosis procedures.

AVT-102 American V-Twin (MSD) Technology 2

This manufacturer supported course is to provide learning experiences which will enable the successful student to learn the specialized knowledge and service skills required of a Polaris brand motorcycle service technician including the ability to earn MSD certifications. The course focuses on service intervals, electrical systems, fuel injection system operations and diagnostic procedures. Utilizing the Digital Wrench Software and equipment, students gain experience on troubleshooting fuel and electrical drivability issues. Students will also use the manufactures website to access service manuals, for part/component identification, look up technical bulletins and other features online.

Courses applicable to both Diploma or Associate of Applied Science Degree Programs