



MOTORCYCLE AND MARINE TECHNOLOGY
(Formerly POWER SPORTS AND EQUIPMENT TECHNOLOGY)

CURRICULUM GUIDE

CIP: 47.0606

EPC: 856

Students in the program prepare for careers in the Motorcycle and Marine industries. Technicians in these areas maintain and repair a variety of two and four-cycle engines, power trains and chassis systems. Motorcycle: Maintenance and repair of vehicles such as motorcycles, sport utility vehicles, all-terrain vehicles, scooters and generators. Marine: Maintenance and repair of outboard engines, personal watercraft and boat rigging. Employment may be in dealerships, independent repair shops, marinas, rental companies, resort maintenance, fleet repair facilities, government agencies and self-employment.

Associate of Applied Science

CIP: 47.0606 EPC: 856B

GENERAL EDUCATION REQUIREMENTS			CREDITS
XXXX	100+	Humanities/Social Science	5
ENGL	100+	Communications- ENGL&101 or ENGL175	5
MATH	100+	Quantitative and Symbolic Reasoning	5
REQUIRED COURSEWORK			
POW	101	Introduction to Power Sports	3
POW	102	Power Sports Maintenance	5
POW	105	Brakes Service and Repair	5
POW	106	Tire Repair and Service	5
POW	120	Engine Failure Analysis	5
POW	121	Engine Repair Methods	5
POW	122	Engine Installation Methods	5
POW	123	Carburetor Service and Repair	5
POW	140	Fundamentals of Electricity	5
POW	141	Electrical Starting and Charging Systems	5
POW	142	Ignition Systems	5
POW	150	Transmission Service and Repair	5
POW	151	Drivetrain Service and Repair	5
POW	154	Computerized System Basics	3
POW	155	Electronic Fuel Injection	5
POW	161	Chassis Service	5
POW	162	Service Projects	15
OR take combined two 13-15 credits from the classes below			
WBAS	101	Welding	8
POW	162	Service Projects	7
POW	296	Work Based Learning Experience with Seminar	13
POW AAS Degree Total			104-106

Engine and Electrical Certificate of Competency

CIP: 47.0606

EPC: 856

GENERAL EDUCATION REQUIREMENTS			CREDITS
XXXX	100+	Humanities/Social Science	5
ENGL	100+	Communications- ENGL&101 or ENGL175	5
MATH	100+	Quantitative and Symbolic Reasoning	5
REQUIRED COURSEWORK			
POW	101	Introduction to Power Sports	3
POW	102	Power Sports Maintenance	5
POW	105	Brakes Service and Repair	5
POW	106	Tire Repair and Service	5
POW	120	Engine Failure Analysis	5
POW	121	Engine Repair Methods	5
POW	122	Engine Installation Methods	5
POW	123	Carburetor Service and Repair	5
POW	140	Fundamentals of Electricity	5
POW	141	Electrical Starting and Charging Systems	5
POW	142	Ignition Systems	5
POW	154	Computerized System Basics	3
POW	155	Electronic Fuel Injection	5
ENG and ELE COC TOTAL			76

Chassis and Electrical Certificate of Competency

CIP: 47.0606

EPC: 856

GENERAL EDUCATION REQUIREMENTS			CREDITS
XXXX	100+	Humanities/Social Science	5
ENGL	100+	Communications- ENGL&101 or ENGL175	5
MATH	100+	Quantitative and Symbolic Reasoning	5
REQUIRED COURSEWORK			
POW	101	Introduction to Power Sports	3
POW	102	Power Sports Maintenance	5
POW	105	Brakes Service and Repair	5
POW	106	Tire Repair and Service	5
POW	123	Carburetor Service and Repair	5
POW	140	Fundamentals of Electricity	5
POW	141	Electrical Starting and Charging Systems	5
POW	142	Ignition Systems	5
POW	150	Transmission Service and Repair	5
POW	151	Drivetrain Service and Repair	5
POW	154	Computerized System Basics	3
POW	155	Electronic Fuel Injection	5
POW	161	Chassis Service	5
CHAS & ELEC COC TOTAL			76

Electrical Certificate of Training

CIP: 47.0606

EPC: 856

REQUIRED COURSEWORK

CREDITS

POW	140	Fundamentals of Electricity	5
POW	141	Electrical Starting and Charging Systems	5
POW`	142	Ignition Systems	5

ELECT CoT Total

15