2023-2024 Bates Technical College Catalog Addendum

Motorcycle & Marine Technology AAS Degree (106 Credits)

47.0606

- 6 quarter AAS
- Maximum class size: 18
- Student to teacher ratio: 18:1

- This program offers a combinations of hands-on, hybrid, and online courses. See course descriptions for more information.
- While in this program, students will have access to vehicles to practice on, motorcycles, outboards, quads, PWC, lifts for vehicles, and outboard tanks.
- Students will be responsible for purchasing their own basic hand tools.
- Multiple certificate options.

Required Courses

Core Courses (76 Credits)

POW 101	Introduction to Power Sports	3
POW 102	Power Sports Maintenance	5
POW 105	Brakes Service and Repair	5
POW 106	Tire Service and Repair	5
POW 120	Engines - 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 Charging and Starting Systems	5
POW 142	Ignition Systems	5
POW 150	Transmission Service and Repair	5
POW 151	Drive Train Service and Repair	5
POW 154	Computerized System Basics	3
POW 155	Electronic Fuel Injection	5
POW 161	Chassis Service	5
Total Credit Hours:		**76**

Electives (15 Credits Required)

May choose:

POW162 (1-15 cr.) + POW296 (1-13 cr.) for a total of 15 credits

OR

POW296 (7 cr.) + WBAS101 (8 cr.) for a total of 15 credits

Students must complete 15 credits of any combination of the courses below:

POW 162	Advanced Projects	1-15
POW 296	Work Based Learning	1-13
WBAS 101	Welding Basics	8
Total Credit Hours:		**15**

General Education Requirements

Communications (5 Credits Required)

ENGL 175	Professional Writing	5
ENGL& 101	English Composition I	5
ENGL& 235	Technical Writing	5
Total Credit Hours:		**5**

Quantitative (5 Credits Required)

MATH 171	Technical Math	5
MATH 172	Business Math	5
MATH& 107	Math in Society	5
MATH& 141	Precalculus I	5
MATH& 142	Precalculus II	5
MATH& 146	Statistics	5
MATH& 151	Calculus I	5
MATH& 152	Calculus II	5
MATH& 153	Calculus III	5
Total Credit Hours:		**5**

Humanities/Social Sciences/Natural Sciences/Other (5 Credits Required)

BIOL& 160	General Biology	5
BIOL& 175	Human Biology with Lab	5
BIOL& 241	Human Anatomy and Physiology I	5
BIOL& 242	Human Anatomy and Physiology II	5
BIOL& 260	Microbiology	5
CHEM& 121	General Chemistry	5
CHEM& 131	Introduction to Organic/Biochemistry	5
CMST& 102	Introduction to Mass Media	5
CMST 152	Intercultural Communication	5
CMST& 210	Interpersonal Communication	5
CMST& 220	Public Speaking	5
ECON& 201	Microeconomics	5
HIST 101	A History of Science and Technology	5
HIST& 146	United States History I	5
HIST& 147	United States History II	5
HIST& 148	United States History III	5
HREL 111	Interviewing and Career Success	5
HUM& 101	Introduction to Humanities	5
NUTR& 101	Intro to Nutrition	5
PHYS& 114	Introductory Physics I (Algebra based Physics)	5
PHYS& 221	Engineering Physics I w/LAB	5

PHYS& 222	Engineering Physics II w/LAB	5
PHYS& 223	Engineering Physics III w/LAB	5
POLS& 101	Introduction to Political Science	5
PSYC& 100	General Psychology	5
PSYC& 200	Lifespan Psychology	5
SOC& 101	Introduction to Sociology	5
Total Credit Hours:		**5**

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

TOTAL CREDIT HOURS: 106