

Motorcycle Technology

Credentials:

AAS	Motorcycle Technology	
	Options	
	Repair Option	62-65
	Retail Option	61-64

Certificate	Repair Technician I	15
	Repair Technician II	25
	Retail Technician I	18
	Retail Technician II	29

Description:

The Motorcycle Technology Program prepares students for careers in a motorcycle dealership or private business. A core curriculum provides students with a foundation of knowledge applicable to the motorcycle industry.

Implementation: Fall 2008

Competencies:

AAS Motorcycle Technology

General Education: Upon completion of this program, the graduate can:

- I. Communicate effectively
 1. Read and listen with comprehension.
 2. Speak and write clearly using standard English.
 3. Interact cooperatively with others using both verbal and non-verbal means.
 4. Demonstrate information processing through basic computer skills.
- II. Think critically
 1. Make connections in learning across the disciplines and draw logical conclusions.
 2. Demonstrate problem solving through interpreting, analyzing, summarizing, and/or integrating a variety of materials.
 3. Use mathematics to organize, analyze, and synthesize data to solve a problem.
- III. Learn independently
 1. Use appropriate search strategies and resources to find, evaluate, and use information.
 2. Make choices based upon awareness of ethics and differing perspectives/ideas.
 3. Apply learning in academic, personal, and public situations.
 4. Think creatively to develop new ideas, processes, or products.
- IV. Examine relationships in diverse and complex environments
 1. Recognize the relationship of the individual to human heritage and culture.
 2. Demonstrate an awareness of the relationship of the individual to the biological and physical environment.
 3. Develop an awareness of self as an individual member of a multicultural global community.

Repair Option:

Upon completion of this program, the graduate can:

1. Apply reading, writing and math skills.
2. Evaluate potential as a motorcycle technician.
3. Complete necessary documentation for job placement.
4. Apply customer service skills in a motorcycle repair shop.
5. Overhaul engines.
6. Demonstrate all aspects of safety.
7. Perform motorcycle preventive maintenance.
8. Maintain engine fuel systems.
9. Maintain electronic/electrical systems.
10. Maintain chassis and suspension components.

11. Evaluate potential as a manger.
12. Analyze sales data.

Retail Option:

Upon completion of this program, the graduate can:

1. Apply reading, writing and math skills.
2. Evaluate potential as a motorcycle technician.
3. Complete necessary documentation for job placement.
4. Apply customer service skills in a motorcycle repair shop.
5. Demonstrate all aspects of safety.
6. Perform motorcycle preventive maintenance.
7. Demonstrate knowledge of financing options for customers.
8. Demonstrate knowledge of Insurance issues for potential customers.
9. Perform credit checks.
10. Demonstrate knowledge of proper sales techniques.
11. Demonstrate knowledge of proper display and floor plans.

Certificate - Repair Technician II

Upon completion of this program, the graduate can:

1. Apply reading, writing and math skills.
2. Evaluate potential as a motorcycle technician.
3. Complete necessary documentation for job placement.
4. Overhaul engines.
6. Demonstrate all aspects of safety.
7. Perform motorcycle preventive maintenance.
8. Maintain engine fuel systems.
9. Maintain electronic/electrical systems.

Certificate - Repair Technician I

Upon completion of this program, the graduate can:

1. Apply reading, writing and math skills.
2. Evaluate potential as a motorcycle technician.
3. Demonstrate all aspects of safety.
4. Perform motorcycle preventive maintenance.

Certificate - Retail Technician II

Upon completion of this program, the graduate can:

1. Apply reading, writing and math skills.
2. Evaluate potential as a motorcycle technician.
3. Complete necessary documentation for job placement.
4. Apply customer service skills in a motorcycle repair shop.
5. Demonstrate all aspects of safety.
6. Perform motorcycle preventive maintenance.
7. Demonstrate knowledge of financing options for customers.
8. Demonstrate knowledge of insurance issues for potential customers

Certificate - Retail Technician I

Upon completion of this program, the graduate can:

1. Demonstrate knowledge of financing options for customers.
2. Demonstrate knowledge of insurance issues for potential customers.
3. Demonstrate all aspects of safety.
4. Demonstrate knowledge of proper sales techniques

Outlines:

Motorcycle Technology

General Education

ENG	101	Writing I	3
MT	110	Applied Math	3
		Heritage/Humanities	3
		Social Interaction	3
		Science	3
		Oral Communication	3
		Computer Literacy	0-3
		Sub Total	18-21

Technical Core

MOT	100	Introduction to Motorcycles	3
OST	105	Introduction to Information Systems	3
MOT	120	Motorcycle Sales and Marketing	3
MOT	130	Shop Management	2
MOT	134	Service Requirements	2
MOT	244	Parts Management	2
MOT	260	Capstone	4
COE	199	Cooperative Education or	3
COED	198	Practicum	(3)
		Sub Total	22

Repair Option

FEX	100	Fundamentals of Electricity	3
MOT	142	Basic Engines and Drive Systems	2
MOT	156	Frames and Suspensions	2
MOT	200	Advanced Engines and Drive Systems	2
MOT	220	Diagnostics and Troubleshooting	2
MOT	234	Performance Machine and Welding	2
		Approved Technical Electives	9
		Sub Total	22
		Total Credits (Repair Option)	62-65

Retail Option

BA	200	Small Business Management	3
ACC	201	Financial Accounting	3
		Approved Technical Electives	15
		Sub Total	21
		Total Credits (Retail Option)	61-64

Certificate

Repair Technician II

Technical Courses

MOT	100	Introduction to Motorcycles	3
OST	105	Introduction to Information Systems	3
MOT	120	Motorcycle Sales and Marketing	3
MOT	130	Shop Management	2
MOT	134	Service Requirements	2
MOT	142	Basic Engines and Drive Systems	2
MOT	156	Frames and Suspensions	2
MOT	200	Advanced Engines and Troubleshooting	2
MOT	220	Diagnostics and Troubleshooting	2
MOT	234	Performance Machining and Welding	2

MOT 244	Parts and Management	2
	TOTAL	25

Repair Technician I

Technical Courses

MOT 100	Introduction to Motorcycles	3
OST 105	Introduction to Information Systems	3
MOT 120	Motorcycle Sales and Marketing	3
MOT 130	Shop Management	2
MOT 134	Service Requirements	2
MOT 142	Basic Engines and Drive Systems	2
	TOTAL	15

Retail Technician II

Technical Courses

MOT 100	Introduction to Motorcycles	3
OST 105	Introduction to Information Systems	3
MOT 120	Motorcycle Sales and Marketing	3
BA 200	Small Business Management	3
MOT 130	Shop Management	2
ACC 201	Financial Accounting	3
	Approved Technical Electives	12
	TOTAL	29

Retail Technician I

Technical Courses

MOT 100	Introduction to Motorcycles	3
OST 105	Introduction to Information Systems	3
MOT 120	Motorcycle Sales and Marketing	3
BA 200	Small Business Management	3
	Approved Technical Electives	6
	TOTAL	18

Approved Technical Electives Repair Option:

CIS 130	Microcomputer Application	3
ABR 100	Introduction to Auto Body Repair	3
MTT 110	Fundamentals of Machine Tools A	3

Note: Other Electives may be approved by the Program Coordinator

Approved Technical Electives Retail Option:

CIS 130	Microcomputer Application	3
IT 132	Web Page Development	3
ACC 202	Managerial Accounting	3
BA 267	Introduction to Business Law	3
BA 274	Human Resource Management	3
BA 283	Principles of Management	3
BA 291	Retail Management	3

Dates of Actions:

Approved: May 2008