

AUTOMOBILE REFINISHING TECHNOLOGY CERTIFICATE OF APPLIED SCIENCE

The ever-increasing numbers of vehicles on the highways, coupled with the high cost of original purchase and replacement, have created a demand for trained collision repair technicians. This demand is currently exceeding the supply, and future indications are that this trend will continue. A student may exit this program after completing two semesters and receive an Automobile Collision Repair Technician or Automobile Refinishing Technician Certificate of Applied Science. Graduates in our Automobile Repair and Refinishing program may find career opportunities with auto repair shops, auto parts stores, windshield repair shops and other automotive related businesses. See our website at www.msbillings.edu/careers (<http://www.msbillings.edu/careers/>) for graduate data.

Automobile Refinishing Technicians prepare and refinish vehicles. Students perform panel and overall refinishing using the latest techniques and equipment. Basic knowledge and skills in refinishing are developed with hands-on practice of current techniques.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Select and use proper safety equipment for personal and environmental protection against hazards from the refinish industry.
- Use appropriate application skills and correct maintenance procedures in refinishing equipment according to the manufacturer's specifications.
- Apply automotive undercoat products per manufacturer's specifications through proper application techniques.
- Select and apply correct automotive basecoat/clearcoat products per manufacturer's specifications.
- Using the proper techniques and products, prepare a substrate by correctly cleaning and abrading the surface before the application of automotive undercoats.

Required Courses

Code	Title	Credits
ABDY 150	Refinish Safety	2
ABDY 160	Automotive Undercoats	4
ABDY 170	Automotive Topcoats	6
ABDY 270	Advanced Refinishing	6
ABDY 275	Waterborne Paint Systems	3
AST 285	ASE Exam Prep: Section One	1
COMX 106	Comm in a Dynamic Workplace	3
M 111	Technical Mathematics	3
TRID 152	Vehicle Htg, Vent & AC	3
WRIT 104	Workplace Communications	3
Total Minimum Credits		34

Students should check the course descriptions for required prerequisites.

Suggested Plan of Study

Code	Title	Credits
Spring		
ABDY 150	Refinish Safety	2
ABDY 160	Automotive Undercoats	4
ABDY 170	Automotive Topcoats	6
TRID 152	Vehicle Htg, Vent & AC	3
WRIT 104	Workplace Communications	3
Total		18
Fall		
ABDY 270	Advanced Refinishing	6
ABDY 275	Waterborne Paint Systems	3
M 111	Technical Mathematics	3
AST 285	ASE Exam Prep: Section One	1
COMX 106	Comm in a Dynamic Workplace	3
Total		16