

Basic Automotive Collision Repair Short-Term Certificate 470603 AUC

Available: Shoals Campus
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This short-term certificate prepares students with technical knowledge and skills that allow them to become employed as automotive collision repairers. The students learn to straighten bent bodies, remove dents, and replace crumpled parts that are beyond repair. Most of the work is on cars and small trucks.

This career offers variety and challenges. Automotive Collision repairers use special equipment to restore damaged metal frames and body sections. They may specialize in one type of repair, such as frame straightening, door and fender repair and glass installation.

Good reading and basic math skills and computer skills are essential to becoming a fully skilled automotive collision repairer. Automotive parts, body materials, and electronics continue to change and become more complex and technologically advanced. Gaining new skills, reading technical manuals, and attending seminars and classes are important for keeping up with these technological advances.

This short-term certificate does not require a high school diploma or GED certificate for admission. Students must be at least 16 years of age to enroll.

Entering students are required to complete ORT 100. Transfer students are exempt from this requirement.

	Semester		
	Theory	Lab	Hours
ABR 111 Non-Structural Repair	1	4	3
ABR 122 Surface Preparation	1	4	3
ABR 123 Paint Application & Equip.	1	4	3
ABR 151 Safety & Environmental Practices	1	4	3
ABR 154 Auto Glass Trim	1	4	3
ABR 156 Automotive Cutting and Welding	1	4	3
ABR 213 Automotive Structural Analysis	1	4	3
ABR 214 Automotive Structural Repair	1	2	3

Total Semester Credit Hours 24

*Transfer Credit: Students may receive up to one semester of Advanced Placement for Career Technical coursework completed at another institution.

**A high school diploma or GED certificate is not required for admission to this program. Students must be at least 16 years old to enroll.

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Basic Automotive Service Technology Short-Term Certificate 470604 AUM

Available: Shoals Campus
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This short-term certificate is designed to prepare students for employment in the automotive service industry. Emphasis is placed upon developing competency in diagnosing problems, inspecting, maintaining and repairing automobiles and light trucks. The increasing sophistication of automotive technology now requires workers who can use computerized shop equipment and work with electronic components, while maintaining their skills with traditional handtools.

Basic scientific principles and technical information are taught to give the student a better understanding of the cause of mechanical and electrical failures. The successful student will become skilled in making scientific diagnosis and performing necessary repairs and adjustments to the various systems of the automobile. Employers look for people with strong communication and analytical skills. Good reading, mathematics, and computer skills are needed to study technical manuals and keep abreast of new technology.

Graduates of Basic Auto Mechanics will be prepared to enter the automotive service industry as an entry level automotive technician.

This short-term certificate does not require a high school diploma or a GED certificate for admission. Students must be at least 16 years of age to enroll.

Entering students are required to complete ORT 100. Transfer students are exempt from this requirement.

	Semester		
	Theory	Lab	Hours
AUM 101 Fundamentals of Automotive Technology	1	4	3
AUM 110 Electrical and Electronic Systems I	1	4	3
AUM 121 Braking Systems	1	4	3
AUM 122 Steering, Suspension and Alignment	1	4	3
AUM 124 Engine Repair	1	4	3
AUM 130 Drive Train and Axles	1	4	3
AUM 133 Motor Vehicle Air Conditioning	1	4	3
AUM 181 Special Topics	1	0	1
AUM 182 Special Topics	0	4	2

Total Semester Credit Hours 24

*Transfer Credit: Students may receive up to one semester of Advanced Placement for Career Technical coursework completed at another school.

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