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Auto Body Repair*

Associate of Applied Science Degree

Increased automobile production and an increasing number of automobile accidents have created the need for additional qualified auto body repairmen. Excellent employment opportunities for trained persons in auto body repair are available. The program is designed to provide necessary skills and technical information to perform satisfactorily in this industry.

Freshman Year

First Semester		Second Semester	
Subject	**Semester Hours**	**Subject**	**Semester Hours**
ABDR 1579	5	ABDR 1542	5
ABDR 1541	5	ABDR 2531	5
OFTG 1305	3	Speech 1311	3
Natural Science/Mathematics	3	Social/Behavioral Science*	3
	16		16

Sophomore Year

First Semester		Second Semester	
Subject	**Semester Hours**	**Subject**	**Semester Hours**
ABDR 2535	5	ABDR 2537	5
English 1301	3	WLDG 1421	4
MCHN 1438	4	Social/Behavioral Science*	3
ABDR 1307	3	Elective	3
	15	BUSI 1301	3
			18

* GOVT 2305 or 2306; HIST 1301, 1302 or 2301; PSYC 2301, 2315, 2314; SOCI 1301, 2301 or ANTH 2351
Students who desire Associate of Science Degrees, see degree requirements.

Exit Point I: Apprentice Painters' Helper. Upon completion of ABDR 1519, 1541, 1542 and 2531, students will be eligible for a certificate.

Exit Point II: Entry Level Technician. Upon completion of requirements for Exit Point I, and ABDR 2535, 2537 and 1307, students will be eligible for a certificate.

Capstone Experience: Graduation with a Technician Certificate or an Associate of Applied Science Degree in Auto Body Repair requires successful completion of a comprehensive exit exam.

* Pending Coordinating Board Approval.

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The numbers in parentheses following course titles explain the weekly hours required during a regular sixteen-week semester. The first digit indicates the amount of lecture hours, the second digit indicates the laboratory hours, and the third digit indicates the credit hours earned for the course. For example, CRIJ 1308, Crime Prevention (3-0-3) has three lecture hours, no laboratory hours, and three hours credit.

The "R, W, M" abbreviations following a course description represent the skill intensity requirements for that course. Skill intensities reflect the basic reading, writing, and mathematics skills essential for success in class. For example, (RWM) indicates the need for acceptable skill levels in Reading, Writing and Mathematics.

ABDR 1307. Auto Body Welding. (2-2-3). Fundamentals of automotive welding processes. Skill development in oxy/acetylene, stick are, MIG, and cutting processes in a variety of applications.

ABDR 1519. Basic Metal Repair. (4-4-5). Basic current metal working techniques, shop safety, proper tool usage, product application, and skill development utilizing various body features including metal principles.

ABDR 1541. Structural Analysis and Damage Repair I. (4-4-5). Skill development in the roughing and shaping procedures on automotive sheet metal necessary to make satisfactory minor body repairs. Emphasis on the alignment of component parts such as doors, hood, front-end assemblies, and deck lids.

ABDR 1542. Structural Analysis and Damage Repair II. (4-4-5). Continuation of general repair and replacement procedures for damaged structural parts and collision damaged.

ABDR 2531. Structural Analysis and Damage Repair III. (4-4-5). Laboratory experience in the application of theories of auto body repair to the repair and replacement of major body units.

ABDR 2535. Structural Analysis and Damage Repair IV. (4-4-5). Extension of Structural Analysis and Damage Repair III providing skill development in the auto body application of theories to the repair and replacement of complete body panels.

ABDR 2537. Structural Analysis and Damage Repair V. Skill development in the operation of equipment and the procedures involved in making satisfactory repairs of supporting structures on both conventional and unitized constructed vehicles. Special emphasis on conducting a thorough damage analysis as well as demonstrating proper holding, blocking, and pulling.

Street Rod and Custom

ABDR 1419. Basic Metal Repair. Basic current metal working techniques, shop safety, proper tool usage, product application, and skill development utilizing various body features including metal principles.

ABDR 1441. Structural Analysis and Damage Repair I. Skill development in the roughing and shaping procedures on automative sheet metal necessary to make satisfactory minor body repairs. Emphasis on the alignment of component parts such as doors, hood, front-end assemblies, and deck lids.

ABDR 1442. Structural Analysis and Damage Repair II. Continuation of general repair and replacement procedures for damaged structural parts and collision damaged.

ABDR 1455. Minor Metal Repair. Sheet metal alignment principles using mechanical and hydraulic equipment. Emphasis on attachment devices used to straighten and align exterior body panels.