

# ABDY - AUTOBODY

<p>ABDY 101 Introduction to Estimating. <span style="float: right;">2 Credits</span>            Term Typically Offered: Fall            Understand the basics of writing estimates using both hand written and computer based estimating systems. Learn techniques for estimating repair times as well as the estimating abbreviations and terminology.            Lecture Hours 2            Department: Transportation - COT</p>	<p>ABDY 131 Intro Refinishing Principles. <span style="float: right;">6 Credits</span>            Term Typically Offered: Spring            Provides the student with entry level training in job safety, refinishing basic application techniques, tools and equipment, and the skills necessary to prepare a vehicle for the refinishing process.            Lecture Hours 6            Department: Transportation - COT</p>
<p>ABDY 110 Intro to Collision Repair. <span style="float: right;">4 Credits</span>            Term Typically Offered: Fall            Identify the names of all the body panels and how to remove them. Students will learn what types of fasteners are used on modern vehicles as well as how to align the various body panels.            Lecture Hours 4            Department: Transportation - COT</p>	<p>ABDY 132 Intro to Auto Undercoats. <span style="float: right;">6 Credits</span>            Term Typically Offered: Spring            Prerequisite(s): ABDY 131.            Provides the student with entry level access to knowledge in automotive refinishing undercoats: types, specific usages, and application. The course also provides the student with automotive plastic identifications, alternate repair procedures, and refinishing.            Lecture Hours 2, Lab Hours 4            Department: Transportation - COT</p>
<p>ABDY 111 Intro to Auto Body Repair. <span style="float: right;">5 Credits</span>            Term Typically Offered: Fall            Covers the basic methods and techniques used in the repair of non-structurally damaged automobile sheet metal panels, the use and care of basic hand tools, identifying metal composition, automobile body construction, set up and use of a metal inert gas (MIG) and resistance welding equipment.            Lecture Hours 2, Lab Hours 3            Department: Transportation - COT</p>	<p>ABDY 141 Advanced Auto Refinishing. <span style="float: right;">6 Credits</span>            Term Typically Offered: Fall            Prerequisite(s): ABDY 131 and ABDY 132.            Provides the student with training in application and paint makeup of current automotive finishes. Causes and the possible cures of surface defects and the art of finesse polishing are also studied. The student is exposed to the latest techniques in duplicating original factory paint finishes.            Lecture Hours 2, Lab Hours 4            Department: Transportation - COT</p>
<p>ABDY 112 Minor Collision Repair. <span style="float: right;">6 Credits</span>            Term Typically Offered: Fall            Prerequisite(s): ABDY 111.            Covers training in removal, replacement, and alignment of various panels and parts, including glass. Diagnosis and correcting body component malfunctions. Advanced training in panel repair, damage analysis and estimating using manuals and computer software programs.            Lecture Hours 2, Lab Hours 4            Department: Transportation - COT</p>	<p>ABDY 142 Intro Paint Blend &amp; Color Mtch. <span style="float: right;">7 Credits</span>            Term Typically Offered: Fall            Prerequisite(s): ABDY 131, ABDY 132 and ABDY 141.            Develops mental and optical skills in the art of color matching. Alternate processes in spot repairing solid, metallic, and MICA finishes are also covered. Skills in equipment adjustment and techniques provide for blendable repair procedures.            Lecture Hours 3, Lab Hours 4            Department: Transportation - COT</p>
<p>ABDY 120 Non-Structural Collision Repair. <span style="float: right;">6 Credits</span>            Term Typically Offered: Fall            Demonstrate how to remove damage from panels involved in minor collisions. Teaches metal-straightening techniques as well as how to repair plastics and the proper use of body fillers. Students will learn some basic paintless dent repair procedures.            Lecture Hours 6            Department: Transportation - COT</p>	<p>ABDY 150 Refinish Safety. <span style="float: right;">2 Credits</span>            Term Typically Offered: Fall            Explains the hazards in the refinish facility and how to avoid them. Teaches proper handling of the various chemicals present in the refinish facility and proper equipment maintenance.            Lecture Hours 2            Department: Transportation - COT</p>
<p>ABDY 121 Automobile Body Repair. <span style="float: right;">6 Credits</span>            Term Typically Offered: Spring            Prerequisite(s): ABDY 111.            Covers the inspection, measurements, and repair of automobile bodies. Methods and techniques recommended by the manufacturers are studied and utilized. Tasks and procedures which are promoted by ASE and I-CAR programs are incorporated into the training. Repair of plastic body parts as recommended by manufacturers is practiced.            Lecture Hours 2, Lab Hours 4            Department: Transportation - COT</p>	<p>ABDY 160 Automotive Undercoats. <span style="float: right;">4 Credits</span>            Term Typically Offered: Fall            Teaches how to prepare a vehicle for paint using various types of primers and other undercoats used on modern vehicles.            Lecture Hours 4            Department: Transportation - COT</p>
<p>ABDY 122 Automobile Collision. <span style="float: right;">5 Credits</span>            Term Typically Offered: Spring            Includes the removal, replacement, and service of mechanical and electrical components in repairing collision damaged automobiles. Components include suspension, steering, brakes, drive train, cooling system, fuel system and restraint system.            Lecture Hours 5            Department: Transportation - COT</p>	<p>ABDY 170 Automotive Topcoats. <span style="float: right;">6 Credits</span>            Term Typically Offered: Fall            Understand the various types of topcoats applied to modern vehicles. Learn proper techniques for spraying everything from industrial single stage paint to base-coat/clear-coat. Learn how to spray metallic and pearl paints as well as how to identify the type of paint and location of the paint code.            Lecture Hours 6            Department: Transportation - COT</p>

ABDY 201 Advanced Estimating. 1 Credit

Term Typically Offered: Spring

Provides instruction on advanced estimating techniques such as researching factory procedures to repair a vehicle properly. Offers negotiation strategies when working with insurance companies.

Lecture Hours 1

Department: Transportation - COT

ABDY 220 Structural Collision Repair. 6 Credits

Term Typically Offered: Spring

Demonstrates how to repair major collision damage and determine the integrity of the structure. Explores frame and unibody straightening techniques as well as structural panel replacement.

Lecture Hours 6

Department: Transportation - COT

ABDY 240 Aluminum Repair. 4 Credits

Term Typically Offered: Spring

Applies proper techniques for repairing aluminum that has been damaged in a collision. Teaches how to weld aluminum as well as distinguish the differences between aluminum and steel.

Lecture Hours 4

Department: Transportation - COT

ABDY 270 Advanced Refinishing. 6 Credits

Term Typically Offered: Spring

Develops the understanding of automotive topcoats by teaching color-blending techniques. Students will also learn how to spray three-stage paints as well as how and when to tint.

Lecture Hours 6

Department: Transportation - COT

ABDY 275 Waterborne Paint Systems. 3 Credits

Term Typically Offered: Spring

Differentiates between waterborne paint and solvent-based paint. Teaches blending techniques specific to waterborne paint and various aspects of the different systems.

Lecture Hours 3

Department: Transportation - COT

ABDY 280 Custom Painting. 5 Credits

Term Typically Offered: Spring

Applies custom painting techniques on vehicles. Introduces airbrush techniques, proper use of candy paints, and other custom finishes.

Lecture Hours 5

Department: Transportation - COT

ABDY 298 Internship/Cooperative Educ. 1-9 Credits

Pass/No Pass

(45 hours/credit) Provides university credit for a sophomore work experience in the area of Automobile Collision Repair and Refinishing Technology, supervised by faculty. Learning agreement must be completed prior to registration (restricted).

Department: Transportation - COT