



Auto Body and Chassis Technician Diploma - 64 credits

Program Area: Auto Body (Fall 2019)

*****REMEMBER TO REGISTER EARLY*****

Program Description

The Auto Body and Chassis Technician program allows students to gain the information and develop skills needed to repair and refinish collision-damaged automobiles. Courses cover the areas of body and frame straightening, body panel replacement, dented panel repair, refinishing, welding techniques, plastic panel repair, interior and exterior trim service, glass replacement, and mechanical system service. Instruction includes classroom lectures and demonstrations as well as hands-on projects in the LSC auto body lab.

Students have the option of taking two semesters of ASTE courses followed by ABTE courses (as shown on this guide), OR, they may swap this sequence and take ABTE courses first, followed by the ASTE course sequence.

Program Outcomes

- Demonstrate an understanding of automobile body repair welding materials, tools, and equipment
- Demonstrate an understanding of automobile body panel dent repair materials, tools and equipment, and procedures
- Demonstrate an understanding of automobile body refinishing materials, tools and equipment, surface preparation procedures, and spray techniques
- Demonstrate an understanding of Automobile trim and hardware service materials, tools and equipment, and procedure
- Demonstrate an understanding of automobile window glass service materials, tools and equipment, and procedures
- Demonstrate an understanding of automobile mechanical systems operation and mechanical component removal, replacement, and adjustment materials, tools and equipment, and procedures
- Demonstrate an understanding of automobile body panel replacement materials, tools and equipment, and procedures
- Demonstrate an understanding of automobile body/frame alignment tools and equipment and straightening procedures
- Demonstrate an understanding of automobile plastic body panel repair materials, tools and equipment, and procedures

Required Courses

Number	Name	Credits	Term
ASTE 1400	Intro to Transportation	3	
ASTE 1410*	Air Conditioning	3	
ASTE 1430	Auto Electrical Fundamentals	3	
ASTE 1490	Automotive Shop Management I	3	
ASTE 2410*	Basic Wheel Alignment	3	
ASTE 1440*	Body Electrical and Electronics	3	
ASTE 2400*	Suspension and Steering Repair	3	
ASTE 2420* or ASTE 2480*	Advanced Wheel Alignment or Advanced Air Conditioning	2	
ASTE 2440*	Brakes	4	
ASTE 2490*	Automotive Shop Management II	2	
ABTE 1425	Simple Dent Repair	4	
ABTE 1435	Introduction to Refinishing	3	
ABTE 1440	Auto Trim and Glass Service	3	
ABTE 1445	Auto Mechanical Systems	3	
WLDG 1380	Auto Body Welding	3	
ABTE 1455*	Automotive Refinishing	3	
ABTE 1465*	Collision Damage Repair	3	
ABTE 1475	Collision Damage Replacement	3	
ABTE 1480*	Production Lab	3	
ABTE 1485	Unibody and Frame Repair	2	
ABTE 1495*	Auto Body Plastics Repairs	2	
ENGL 1005	Applied Communications	2	
	General Education Elective	1	

Total Credits **64**

*Requires a prerequisite or a concurrent course



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Pre-program Requirements

Successful entry into this program requires a specific level of skill in the areas of English, mathematics, and reading. Program entry will depend, in part, on meeting the prerequisites listed below:

English/Reading:

- A score of 78 or higher on the reading comprehension portion of the Accuplacer, or
- Completion of ENGL/READ 0950 or 0955 (or equivalent course or higher). ENGL/READ 0950 may be taken concurrently with Semester I coursework.

*For interpretation of test results and selection of appropriate coursework;
or general information about the program, admissions, financial aid, and getting started at LSC,
contact the [professional advising team](#) or 218-733-7601*

For more information about the Auto Body and Chassis Technician Diploma including course descriptions, course prerequisites, the gainful employment disclosure, and potential career opportunities, see [program website](#)

- or -

Contact Faculty Advisors:

Auto Body, [Timothy Brandon](#) at 218-733-6985

Auto Service, [Mitch Connor](#) at 218-733-7662 or [Dean Magnuson](#) at 218-733-6996



MINNESOTA STATE

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