Mr. David Williams

David Williams is the Collision Repair Technology teacher at Monroe Technology Center. He is a graduate of Loudoun County High School and CS Monroe Technology Center.

Mr. Williams graduated from the Nashville Auto Diesel College and has 25 years of experience working in the collision repair field.

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Auto Collision Repair Technology I & II
867000  
Auto Collision Repair Technology I

Grades: 11 or 12  
HS Credits: 3  
Prerequisite: Competitive Application Process

This two-year course provides basic knowledge and skills in the use of shop materials, equipment, tools, and procedures, and manuals in the auto body and auto refinishing fields.

Basic welding, aligning, roughing out, and replacing and refinishing (painting) of auto body sheet metal, plastics, and composites are among the skills taught in this course. Fundamentals of auto body repair estimating are also taught.

Students gain experience through theory and hands-on shop projects.

868000  
Auto Collision Repair Technology II

Grades: 11 or 12 or post-graduate  
HS Credits: 3  
Prerequisite: Collision Repair Technology I

Students have the opportunity to develop their knowledge and skills through applied theory and hands-on shop projects using knowledge learned in Collision Repair Technology I. Instructional topics include engine cooling systems, underbody measurement, and structural alignment.

Students explore career options such as auto collision repair technician, automotive refinishing technician, automotive parts specialist, detail technician, estimator, and insurance adjuster.

Upon successful completion of this course, students will be prepared to perform many aspects of collision repair and will qualify for sponsored apprenticeship programs.