

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
CAREER EDUCATION - AUTOMOTIVE MACHINIST**

The Automotive Machinist program is a 9-month career course structured to impart to students the knowledge and skills necessary to become a qualified automotive machinist.

Each student will learn by actually working on automotive, industrial and agricultural engines. Students will be taught all aspects of disassembly, inspection, remachining, and reassembly of an engine. They will learn how to determine if replacement parts are needed in an engine. Students will operate a variety of automotive machine shop equipment to include valve grinders, cylinder boring bars, crankshaft grinders, rod honing machines, engine balancers, and cleaning equipment. The basic principles of the internal combustion engine and general construction of the automotive engine are two of the main features of this curriculum. Students are also taught the use of precision measuring tools, (micrometers, calipers, dial indicators, etc.). These skills are useful in all automotive and machinist fields.

**STUDENT NAME** \_\_\_\_\_

<b>REQUIRED COURSES:</b>	<b>PREV TAKEN</b>	<b>FALL</b>	<b>SPRING</b>	<b>FALL</b>	<b>SPRING</b>
<b>FIRST SEMESTER</b>					
AUV 1116 Fundamentals for Automotive Machinists (6 hrs)					
AUV 1216 Cylinder Head Service (6 hrs)					
AUV1513 Parts & Labor (3 hrs)					
<b>SECOND SEMESTER</b>					
AUV 1316 Cylinder Block Service (6 hrs)					
AUV 1416 Engine Assembly and Testing (6 hrs)					
AUV 1713 Brake Rotor and Drum Machining (3 hrs)					
<b>APPROVED ELECTIVES</b> (with permission of instructor)					
AUV 1913 Special Projects (3 hrs)					
AUV 1923 Supervised Work Experience (3 hrs)					
AUV 1613 Advanced Crankshaft Grinding (3 hrs)					
<b>Total Hours: 30</b>					
<b>Advisor Initials:</b>					
<b>Date:</b>					

**Instructor: Gilbert Loper  
Certificate Program**