

## AUTOMOTIVE MACHINIST CAREER CERTIFICATE

The Automotive Machinist is a program of study 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, re-machining, and re-assembly 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.

REQUIRED COURSES:		PREV TAKEN	FALL	SPRING
<b>FIRST SEMESTER</b>				
AUV 1116 Funds for Auto Mach	6 hrs.			
AUV 1216 Cylinder Head Service	6 hrs.			
AUV 1513 Parts & Labor	3 hrs.			
<b>SECOND SEMESTER</b>				
AUV 1316 Cylinder Block Service	6 hrs.			
AUV 1416 Engine Assembly & Testing	6 hrs.			
AUV 1713 Brake Rotor & Drum Mach	3 hrs.			
<b>APPROVED ELECTIVES (with instructor's permission)</b>				
AUV 1913 Special Projects	3 hrs.			
AUV 1923 Sup Work Experience	3 hrs.			
AUV 1613 Advanced Crankshaft Grind	3 hrs.			
LLS 1151 College Life	1 hr.			
LLS 1413 Improvement of Study	3 hrs.			
LLS 1723 Employment Readiness	3 hrs.			
<b>Total Hours: 30</b>				
<b>Advisor's Initials:</b>				
<b>Date:</b>				