

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
CAREER EDUCATION - HEATING AND AIR CONDITIONING**

Heating and Air Conditioning is an instructional program that prepares individuals to work in engineering departments or private firms installing, maintaining, and operating small or medium air conditioning, heating and refrigeration systems.

**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 FRESHMAN</b>					
ACV 1125 Basic Compression Refrigeration					
ACV 1134 Tools & Piping					
ACV 1314 Ref System Comp					
ACV 1813 Prof Service Procedures					
<b>SECOND SEMESTER FRESHMAN</b>					
ACV 1714 Elec for HVAC/R					
ACV 1214 Controls					
ACV 2325 Com Refrigeration					
CPV 1113 Fund Micro					
<b>FIRST SEMESTER SOPHOMORE</b>					
ACV 2415 AC 1					
ACV 2514 Heating System					
ACV 2625 Heat Load & Air Prop					
<b>SECOND SEMESTER SOPHOMORE</b>					
ACV 2425 AC II					
ACV 2434 Ref Retrofit & Reg					
ACV 2943 Special Projects					
<b>APPROVED ELECTIVES (with instructors permission):</b>					
ACV 2923 Supervised Work Experience					
<b>Total Hours: 58</b>					
<b>Advisor Initials:</b>					
<b>Date:</b>					

**Instructors: Thomas Tanksley and Lester Miles  
Certificate Program**

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
CAREER EDUCATION - AGRICULTURAL MECHANICS**

Agricultural Mechanics training at Mississippi Delta Community College is a course structured to help students gain knowledge through classroom instruction and to develop skills through shop experience.

Classroom work consists of the study of the parts and functions of the two and four cycle engine, the electrical system, and the three types of fuel systems (diesel, L.P. and gasoline), the power training, the hydraulic system, and the air conditioning system. Operation of the cotton picker and combine is also studied.

Shop work consists of experience in diagnosis, repair and overhaul of various types of farm equipment. In addition, students receive training in such areas as shop mathematics, stock control, shop management, and customer relations.

**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 FRESHMEN</b>					
AMT 1123 Ag Mech Fund					
AMT 1413 Basic Eng Design					
AMT 1423 Adv Eng Design					
AMT 1213 Basic Elec Sys					
AMT 1223 Adv Elec Sys					
AMT 2813 Compact Eng & Equip					
<b>SECOND SEMESTER FRESHMEN</b>					
AMT 1313 Basic Pow Trans					
AMT 1323 Adv Pow Trans					
AMT 1511 Prin of AC					
AMT 1613 Basic Hyd Sys					
AMT 2623 Adv Hyd Sys					
AMT Technical Electives					
<b>APPROVED ELECTIVES:</b>					
AMT 1923 Supervised Work Experience					
AMT 1943 Special Projects					
AMT 2313 Cotton Harvesting Equipment					
<b>Total Hours: 34</b>					
<b>Advisor Initials:</b>					
<b>Date:</b>					

**Instructor: Joe Galey**  
**Certificate Program**

**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					
AUV 1216 Cylinder Head Service					
AUV1513 Parts & Labor					
<b>SECOND SEMESTER</b>					
AUV 1316 Cylinder Block Service					
AUV 1416 Engine Assembly and Testing					
AUV 1913 Special Projects					
<b>APPROVED ELECTIVES</b> (with permission of instructor)					
AUV 1713 Brake Rotor and Drum Machining					
AUV 1923/AUV2923 Supervised Work Experience					
AUV 1613 Advanced Crankshaft Grinding					
<b>Total Hours:</b>					
<b>Advisor Initials:</b>					
<b>Date:</b>					

**Instructor: Gilbert Loper  
Certificate Program**

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
CAREER EDUCATION - AUTO MECHANICS**

Automotive Mechanics is an instructional program that prepares individuals to engage in the servicing and maintenance of all types of automobiles. Instruction includes the diagnosis of malfunctions and repair of engines, fuel, electrical, cooling, brake systems, and drive train and suspension systems. Instruction is also provided in the adjustment and repair of individual components such as transmissions and fuel systems. Students must have a valid driver's license to enroll in this program.

**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>					
ATV 1124 Basic Electrical and Electronics					
ATV 1214 Brakes					
ATV 1424 Engine Performance I					
ATV 1715 Engine Repair					
ATV 1812 Intro to Safety and Employability Skills.					
<b>SECOND SEMESTER</b>					
ATV 1134 Advanced Electrical and Electronics					
ATV 2334 Steering and Suspension					
ATV 2434 Engine Performance II					
<b>APPROVED ELECTIVES</b>					
ATV 1943 Special Projects					
ATV 1923 Supervised Work Exp.					
<b>Total Hours:</b>					
<b>Advisor Initials:</b>					
<b>Date:</b>					

**Instructors: Bobby Turner & Nick Lofton  
Certificate Program**

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
CAREER EDUCATION - BRICK BLOCK AND STONE MASONRY**

Brick, Block and Stone Masonry is an instructional program that prepares individuals to lay brick, block or stone. Included is instruction in laying out and/or spacing bonds; determining vertical and horizontal alignment of courses and levels; and cutting, notching, and shaping blocks, bricks, and stone to construct or repair walls, partitions, arches and fireplaces. A Certificate of Brick, Block and Stone Masonry may be awarded to a student who successfully completes the 32 semester credit hours of required courses.

**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>					
BBV 1115 Brick & Block Laying					
BBV 1215 Masonry Construction					
BBV 1223 Masonry Math, Est.					
BBV 1313 Tools, Equip, & Safety					
<b>SECOND SEMESTER</b>					
BBV 1425 Adv Block Laying					
BBV 1525 Adv Bricklaying					
BBV 1623 Chimney & Fireplace					
BBV 1723 Steps, Arch, Brick					
<b>APPROVED ELECTIVES (with permission of instructor:</b>					
BBV 1913 Special Projects					
BBV 1923 Supervised Work Experience					
<b>Total Hours:</b>					
<b>Advisor Initials:</b>					
<b>Date:</b>					

**Instructor: Clarence Steelman  
Certificate Program**

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
CAREER EDUCATION - CONSTRUCTION EQUIPMENT OPERATIONS**

The Construction Equipment Operation program is a none-month certificate program which prepares an individual to operate and maintain a variety of heavy equipment including backhoe, fork-lift, dozer, end-loader, excavator, motor grader, and scraper. The instruction includes safety, general care, and routine maintenance. The program also includes instruction in digging, ditching, sloping, stripping, grading, back filling, clearing, excavating, and handling of materials. An individual successfully completing this program will have entry level skills for employment as a heavy equipment operator. It is required that all students demonstrate basic skill performance on each of the following pieces of construction equipment: backhoe, fork-lift, dozer, end loader, excavator, motor grader and scraper. Advanced skill performance on a minimum of two items of equipment is essential to successful program completion. Fork-lift certification is available for qualifying students.

**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>					
CEV 1212 Safety I					
CEV 1314 Service & Preventive Maintenance I					
CEV 1416 Equipment Operation I					
CEV 1515 Grade Work 1					
<b>SECOND SEMESTER</b>					
CEV 1222 Safety II					
CEV 1324 Service & Preventive Maintenance II					
CEV 1426 Equipment Operation II					
CEV 1525 Grade Work II					
<b>APPROVED ELECTIVES (<i>with permission of instructor</i>):</b>					
CEV 1943 Special Projects					
CEV 1923 Supervised Work Experience					
WLB 1923 Work Based Learning					
<b>Total Hours:</b>					
<b>Advisor Initials:</b>					
<b>Date:</b>					

**Instructor: Stephen Poole  
Certificate Program**

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
CAREER EDUCATION - INDUSTRIAL ELECTRICITY/INDUSTRIAL MAINTENANCE**

The Industrial Electricity/Industrial Maintenance Program prepares individuals to install, operate, maintain and repair electrically-energized systems such as residential, commercial, industrial electric wiring, and DC and AC motors, controls, and electrical distribution panels. Instruction in the use of test equipment is included.

**Student** \_\_\_\_\_

<b>REQUIRED COURSES:</b>	<b>PREV TAKEN</b>	<b>FALL</b>	<b>SPRING</b>	<b>FALL</b>	<b>SPRING</b>
<b>FIRST SEMESTER FRESHMEN</b>					
ELT 1113 Res/Light Comm Wiring					
ELT 1144 AC/DC Circuits					
ELT 1192 Fund Electric					
ELT 1213 Electrical Power					
ELT 1253 Branch Circuits					
ELT 1263 Blueprint Reading					
<b>SECOND SEMESTER FRESHMEN</b>					
ELT 1123 Commercial & Industrial Wiring					
ELT 1223 Motor Maint/Troubleshooting					
ELT 1413 Motor Control System					
ELT1273 Switching Circuits					
ELT1314 Solid State Devices					
<b>APPROVED ELECTIVE</b> (with permission of instructor)					
ELT 1923 Supervised Work					
ELT 1943 Special Projects					
<b>Total Hours:</b>					
<b>Advisor Initials:</b>					
<b>Date:</b>					

**Instructors: Mark Myles & David Grant  
Certificate Program**

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
CAREER EDUCATION - MACHINE TOOL OPERATIONS**

Machine Tool Operations instructs its students in making computation relating to working dimensions, tooling, feeds and speeds of machinery. Instruction in the laboratory is provided in the use of lathes, shapers, milling machine, grinders; the use of precision measuring instruments such as layout tools, micrometers, and gauges; methods of machining and heat treating and testing of various metals; and the reading of blueprint parts. Advanced training is available in technical mathematics, mechanical drawing, industrial psychology, safety and shop management.

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 FRESHMAN</b>					
MST 1313 Mach Tool Math					
MST 1413 Blueprint Reading					
MST 1115 Power Mac I					
CPT 1113 Fund of Micro					
<b>SECOND SEMESTER FRESHMAN</b>					
MST 1125 Power Mach II					
MST 1613 Precision Layout					
MST 1423 Adv Blueprint Read					
DDT 1114 Fund Drafting					
<b>FIRST SEMESTER SOPHOMORE</b>					
MST 2135 Power Mach III					
MST 2714 Comp Num Cont					
DDT 1313 Prin of CAD					
<b>SECOND SEMESTER SOPHOMORE</b>					
MST 2725 Comp Num Cont II					
MST 2144 Power Mach IV					
MSV 2923 Sup Work Exp or MSV 2943 Special Projects					
<b>Total Hours:</b>					
<b>Advisor Initials:</b>					
<b>Date:</b>					

**Instructor: Charles Wooley  
Certificate Degree Program**

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
CAREER EDUCATION – SHEET METAL**

The Sheet Metal instructional program prepares individuals to lay out, fabricate, erect or install, and maintain items made of steel, copper, stainless steel, and aluminum using hand tools and machines such as cornice brakes, forming rolls, and squaring shears.

**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 FRESHMAN</b>					
SMT 1112 Orient & Shop Safety					
SMT 1212 Measurement					
SMT 1315 Methods of Layout I					
SMT 1414 Hand Processes I					
SMT 2514 Mach Pro I					
<b>SECOND SEMESTER FRESHMAN</b>					
SMT 1326 Methods of Layout II					
SMT 1424 Hand Processes II					
SMT 1613 Sheet Metal Welding					
SMT 2524 Mach Pro II					
<b>APPROVED ELECTIVES (with instructor's approval):</b>					
SMT 1943 Special Projects					
SMT 1923 Supervised Work Experience					
<b>Total Hours:</b>					
<b>Advisor Initials:</b>					
<b>Date:</b>					

**Instructor: Kenny Jobe  
Certificate Program**



**MISSISSIPPI DELTA COMMUNITY COLLEGE  
CAREER EDUCATION – WELDING**

The Welding Program is designed to develop skills in various methods of welding. During the first semester, the student is taught the use of the arc welder, oxyacetylene torch and plasma arc cutter. Classroom instruction is also received in blueprint reading, welding metallurgy, welding theory and types of welding machines. Second semester the students are taught the use of mig welder and tungsten inert gas techniques on both ferrous and non-ferrous materials. Also, they are taught flux core arc welding in all positions. Welding inspection and testing principles are also taught.

**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>					
WLV1115 Shield Metal Arc Weld I					
WLV1171 Weld Inspect & Test					
WLV1225 Shield Metal Arc Weld II					
WLV1232 Draw & Weld Sym					
WLV1314 Cutting Processes					
<b>SECOND SEMESTER</b>					
WLV1124 Gas Metal Arc Weld					
WLV1136 Gas Tungsten Arc Weld					
WLV1143 Flux Cored Arc Weld					
WLV1943 Special Projects <b>OR</b>					
WLV1923 Supervised Work Exp					
<b>Total Hours:</b>					
<b>Advisor Initials:</b>					
<b>Date:</b>					

**Instructor: Roger Wright  
Certificate Program**