

**AGRICULTURAL BUSINESS AND MANAGEMENT TECHNOLOGY  
FIELD CROP OPTIONS**

The Field Crops Option of the Agricultural Business Management Technology Program is designed to provide students with a common core of management skills and additional training related to the production of field crops, weed, insect, and plant disease control. Computer based activities are used from the internet and appropriate agricultural related software packages.

**ADMISSION REQUIREMENTS**

Students must submit a composite score of 15 or higher on the Enhanced ACT. In addition to this ACT requirement, re-admit or transfer students must have a 2.00 cumulative quality point average.

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
TECHNICAL EDUCATION – FIELD CROPS & AGRIBUSINESS TECH  
FIELD CROPS OPTION**

Student \_\_\_\_\_

<b>REQUIRED COURSES:</b>	<b>PREV TAKEN</b>	<b>FALL</b>	<b>SPRING</b>	<b>FALL</b>	<b>SPRING</b>
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**FIRST SEMESTER FRESHMAN**

AGT 1111 Survey of Ag.  
AGT 1163 Spatial Info. Systems or  
Approved elective  
BIO 1314 Botany I  
AGT 1714 App. Soils  
CSC 1123 Micro Apps. I or  
CPT 1113 Fund Micro Apps

**SECOND SEMESTER FRESHMAN**

AGT 1214 App. Prin of Animal  
Production  
AGT 1513 Prin. Ag. Mkt.  
AGT 2563 Ag. Mach. & Shop Mgt.  
ENG 1113 Comp. I  
MAT 1233 Int.Alg. or  
MAT 1313 Col. Alg.

**FIRST SEMESTER SOPHOMORE**

AGT 1413 Prin. Of Agri. Mgt.  
AGT 2263 App. Ag. Econ.  
AGT 2373 Fiber & Oilseed Crops  
AGT 2463 Insects & Controls  
SPT 1113 Oral Communications

**SECOND SEMESTER  
SOPHOMORE**

Approved Elective:  
AGT 2383 Grain Crops  
AGT 2413 Weed Control  
Humanities/Fine Arts Elective:

Social/Behavioral Science Elective:

**APPROVED ELECTIVES:**

ENG 1123 Comp. II

MAT 1313 Col Alg.

AGT 2913 Special Problems

AGT 2923 Sup. Work Exp.

BOT 1313 Bus. Math

BAD 2413 Legal Env. of Business

CHE 1114 General Chemistry

ECO 2113 Prin. I

Health First Aid /CPR

**Total Hours:64**

**Advisor Initials:**

**Date:**

## PRECISION AGRICULTURE OPTION

Recent developments in entomology, plant pathology, and weed science in conjunction with advanced technologies such as remote sensing (RS), global positioning systems (GPS), geographic information systems (GIS), and variable rate technology (VRT), have the potential to greatly enhance agricultural profitability. In addition, the implementation of this technology can greatly improve environmental quality by reducing the volume of agricultural chemicals applied.

Upon completion of this 2 year Associate Degree program, the successful candidate will take with them not only a working knowledge and understanding of these emerging technologies in the agricultural arena, but will have received practical, hands on experience in an in-situ environment involving all of the above disciplines.

### ADMISSION REQUIREMENTS

Students must submit a composite score of 16 or higher on the Enhanced ACT. A minimum ACT score of 16 is also required on the Mathematical Usage and Reading sections. In addition to this ACT requirement, re-admit or transfer student must have a 2.00 cumulative quality point average. No student may enroll in advanced semesters without satisfactory completion of prior semester courses or permission of instructor.

**MISSISSIPPI DELTA COMMUNITY COLLEGE**  
**CAREER TECHNICAL EDUCATION – PRECISION AG TECH**  
Student \_\_\_\_\_

<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>					
ENG 1113 English Comp I					
AGT 1111 Survey Ag Tech					
AGT 1163 Spatial Info Systems					
BIO 1314 Botony					
AGT 1714 Applied Soils					
CSC 1123 Micro Apps I					
<b>SECOND SEMESTER FRESHMAN</b>					
SPT 1113 Oral Communications					
MAT 1313 College Algebra or above					
AGT 2413 or BIO 1324					
Weed Control or Botany II					
Social Behavioral Science					
Humanities/Fine Arts					
Approved Elective					
<b>FIRST SEMESTER SOPHOMORE</b>					
AGT 1254 GPS Data Collection					
AGT 2154 GIS I					
AGT 2434 Crop Mgmt Zones					

**SECOND SEMESTER**

**SOPHOMORE**

AGT 2164 Variable Rate Tech

AGT 1354 Remote Sensing

AGT 2174 Ag GIS

AGT 2474 Site Specific Pest

**APPROVED ELECTIVES:**

AGT 2923 Supervised Work Experience

BOT 1313 Applied Business Math

BAD 2413 Legal Environment of

Business

AGT 2363 Crop Production

CHE 1114 General Chemistry

ECO 2113 Principles of Economics

**Total Hours: 64**

**Advisor Initials:**

**Date:**

## 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 train, 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.

**MISSISSIPPI DELTA COMMUNITY COLLEGE**  
**CAREER TECHNICAL EDUCATION – AG MECHANICS TECH**  
**STUDENT NAME \_\_\_\_\_**

**REQUIRED COURSES:**

**PREV      FALL    SPRING    FALL    SPRING**  
**TAKEN**

**FIRST SEMESTER FRESHMAN**

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

**SECOND SEMESTER FRESHMAN**

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

**FIRST SEMESTER SOPHOMORE**

MAT 1233 or 1313 Int or Col Alg  
ENG 1113 Comp I  
SPT 1113 Oral Communication  
Humanities Fine Arts Elective  
Social/Sci Behavior Elect  
AMT Technical Electives

**SECOND SEMESTER SOPHOMORE**

AMT 2113 Grain Harvest Equip  
AMT 2513 Spray Equip  
AMT 2713 Row Crop  
CPT 1113 or CSC 1123 Micro Apps  
AMT Tech Elect

**APPROVED ELECTIVES:**

AMT 2923 Supervised Work Experience

AMT 2943 Special Projects

AMT 2313 Cotton Harvesting Equipment

AMT 2823 Service Repair Center Mgmt

**Total Hours:**

**Advisor Initials:**

**Date:**

## AUTOMOTIVE 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.

### ADMISSION REQUIREMENTS

**Students must have a valid driver's license to enroll in this program.**

### MISSISSIPPI DELTA COMMUNITY COLLEGE CAREER TECHNICAL EDUCATION – AUTOMOTIVE TECH STUDENT

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#### REQUIRED COURSES:

PREV TAKEN	FALL	SPRING	FALL	SPRING
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#### FIRST SEMESTER FRESHMAN

ATT 1124 Basic Electrical and Electronics  
ATT 1214 Brakes  
ATT 1424 Engine Performance I  
ATT 1715 Engine Repair  
ATT 1812 Intro to Safety and Employability Skills.

#### SECOND SEMESTER FRESHMAN

ATT 1134 Advanced Electrical and Electronics  
ATT 2334 Steering and Suspension  
ATT 2434 Engine Performance II  
\* MAT 1233 Intermediate Algebra  
or MAT 1313 College Algebra  
\* ENG 1113 English Comp

#### FIRST SEMESTER SOPHOMORE

ATT 2444 Engine Performance III  
ATT 2614 Heating & Air  
CPT 1113 Fundamentals of Micro  
Humanities/ Fine Arts

#### SECOND SEMESTER SOPHOMORE

ATT 1314 Manual Drive  
ATT 2325 Auto Trans  
SPT 1113 Oral Communications  
Social/Behavioral Science

\* Technical Students only

**Total Hours: 66**

**Advisor Initials:**

**Date:**

## **BUSINESS AND OFFICE TECHNOLOGY**

The Business and Office program includes a basic core of courses designed to prepare a student for a variety of entry-level positions through selection of a concentration in the following areas:

### **ACCOUNTING TECHNOLOGY OPTION**

The Office Systems Technology program of study provides training in administrative office procedures, integrated computer applications, business financial systems, communication, and related technologies.

### **MEDICAL OFFICE TECHNOLOGY OPTION**

The Medical Office Technology program of study is designed to prepare students to work in office positions in hospitals, doctors' offices, health clinics, insurance companies, and other health-related organizations. The student will develop skills using medical terminology, accounting, transcription, coding, and computer software applications.

### **OFFICE SYSTEMS TECHNOLOGY**

The Accounting Technology program of study prepares students for entry-level accounting positions in accounts payable, accounts receivable, payroll, and inventory as well as enhances the skills of persons currently employed in accounting who wish to advance. The program provides a foundation for students transferring to a four-year college or university to pursue a specialized degree in the field.

### **ADMISSION REQUIREMENTS**

Students must submit a composite score of 14 or higher on the Enhanced ACT. A minimum ACT score of 14 is also required on the Mathematical usage and Reading sections. Students 21 years old and older, who do not have an ACT score, must score at the 10th grade level or higher on the TABE.

Students having no experience on the keyboard (35 net words per minute or less) should take BOT 1013 - Introduction to Keyboarding. If they test out at 35 net words per minute or more, they may take BOT 1113 – Document Formatting and Production. Credit can be awarded for advanced placement in BOT 1013 Introduction to Keyboarding and/or BOT 1123 Keyboard Skill Building.

Students who are returning to the program after an absence of a semester or more must graduate under the current catalog because of curriculum changes in regard to computer application programs.

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
TECHNICAL EDUCATION – ACCOUNTING TECHNOLOGY**

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

**REQUIRED COURSES:**

**PREV  
TAKEN**

**FALL**

**SPRING**

**FALL**

**SPRING**

**FIRST SEMESTER FRESHMAN**

BOT 1013 Introduction to Keyboarding  
BOT 1113 Document Formatting & Prod.  
BOT 1133 Microcomputer Applications  
BOT 1433 Business Accounting  
BOT 1713 Mechanics of Communication  
Oral Communication  
Social/Behavioral Science Elective

**SECOND SEMESTER FRESHMAN**

BOT 1443 Advanced Business Accounting  
BOT 2813 Business Communication  
BOT 1313 Applied Business Math  
BOT 1143 Word Processing  
BOT 2323 Database Management

**FIRST SEMESTER SOPHOMORE**

BOT 2413 Computerized Accounting  
BOT 1213 Professional Development  
BOT 1813 Electronic Spreadsheet  
Accounting Principles I  
English Composition  
Math/Natural Science Elective

**SECOND SEMESTER SOPHOMORE**

BOT 2833 Integrated Computer Applications  
BOT 2133 Desktop Publishing  
BOT 2913 Supervised Work  
Accounting Principles II  
Humanities/Fine Arts Elective  
BOT 2833 Integrated Computer Applications

**Total Hours:**

**Advisor Initials:**

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
TECHNICAL EDUCATION – MEDICAL RECORDS TECHNOLOGY**

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

<b>REQUIRED COURSES:</b>	<b>PREV TAKEN</b>	<b>FALL</b>	<b>SPRING</b>	<b>FALL</b>	<b>SPRING</b>
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**FIRST SEMESTER FRESHMAN**

BOT 1013 Intro to Keyboarding  
BOT 1113 Document Formatting & Prod.  
BOT 1133 Microcomputer App  
BOT 1433 Business Accounting  
BOT 1613 Medical Office Terminology I  
BOT 1713 Mechanics of Comm  
BOT 1413 Records Management

**SECOND SEMESTER FRESHMAN**

BOT 2813 Business Comm  
BOT 1143 Word Processing  
BOT 1123 Keyboard Skillbuilding  
BOT 1313 Applied Business Math  
BOT 1623 Medical Office Terminology II  
Social/Behavioral Science Elective

**FIRST SEMESTER SOPHOMORE**

BOT 2413 Computerized Accounting  
BOT 2743 Medical Office Concepts  
BOT 1513 Machine Transcription  
BOT 2643 CPT Coding  
BOT 2823 Communication Technology  
English Composition

**SECOND SEMESTER SOPHOMORE**

BOT 2653 ICD Coding  
BOT 2523 Medical Machine Transcription I  
BOT 2753 Medical Information Management  
Oral Communications  
Humanities/Fine Arts Elective  
Math/Science Elective

**Total Hours:**

**Advisor Initials:**

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
TECHNICAL EDUCATION – OFFICE SYSTEMS TECHNOLOGY**

STUDENT \_\_\_\_\_

<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>					
BOT 1013 Introduction to Keyboarding					
BOT 1113 Document Formatting & Prod.					
BOT 1133 Microcomputer Applications					
BOT 1413 Records Management					
BOT 1433 Business Accounting					
BOT 1713 Mechanics of Communication					
Social/Behavioral Science Elective					
<b>SECOND SEMESTER FRESHMAN</b>					
BOT 2813 Business Communication					
BOT 1143 Word Processing					
BOT 1123 Keyboard Skillbuilding					
BOT 1313 Applied Business Math					
BOT 2323 Database Management					
English Composition					
<b>FIRST SEMESTER SOPHOMORE</b>					
BOT 2413 Computerized Accounting					
BOT 1813 Electronic Spreadsheet					
BOT 2823 Communication Technology					
BOT 1513 Machine Transcription					
BOT 1213 Professional Development					
Math/Science Elective					
<b>SECOND SEMESTER SOPHOMORE</b>					
BOT 2833 Integrated Computer Applications					
BOT 2133 Desktop Publishing					
BOT 2723 Administrative Office Procedures					
Oral Communications					
Humanities/Fine Arts Elective					
<b>Total Hours:</b>					
<b>Advisor Initials:</b>					

## COMPUTER NETWORK TECHNOLOGY

Computer Network Technology is a two-year program that offers training in network technologies, administration, maintenance, and operating systems. An Associate of Applied Science degree is earned upon successful completion of the Computer Network curriculum.

Courses are designed to allow practical experience using a computer and related equipment. Students will gain experience using the IBM AS/400, personal computers, and networks including Microsoft Windows Server and Novell. Essential skills and competencies will be integrated into and identified in each course with emphasis placed on outcome.

### ADMISSION REQUIREMENTS

Students must submit a composite score of 16 or higher on the Enhanced ACT. A minimum ACT score of 16 is also required on the Mathematical usage and Reading sections. Exceptions may be made with instructor permission for students that do not meet entrance requirements provided the student meets the requirements by the end of the second semester or has a 2.00 GPA. In addition to these ACT requirements, re-admit or transfer students must have a 2.00 cumulative quality point average. No student may enroll in advanced semesters without satisfactory completion of prior semester courses or permission of instructor.

## MISSISSIPPI DELTA COMMUNITY COLLEGE TECHNICAL EDUCATION - COMPUTER NETWORK TECHNOLOGY

Student Name \_\_\_\_\_

REQUIRED COURSES:	PREV TAKEN	FALL	SPRING	FALL	SPRING
<b>FIRST SEMESTER FRESHMEN</b>					
CPT1333 Operating Platforms					
CNT1414 Fundamentals of Data Communications					
ENG 1113 English Composition					
MAT 1313 College Algebra					
Social/Behavioral Science Elective					
<b>SECOND SEMESTER FRESHMEN</b>					
CNT 1513 Internet Concepts					
CNT 1523 Network Components					
CNT1614 Network Admn. Using Novell					
CPT 1324 Survey of Microcomputer Apps					
CPT 1353 Database Design Fundamentals using AS/400					
<b>FIRST SEMESTER SOPHOMORE</b>					
CNT 2423 System Maintenance					
CNT 2533 Network Planning & Design					
CNT 2634 Adv. Network Admin.					

CPT 1214 Visual BASIC Programming  
Language  
Humanities/Fine Arts Elective

**SECOND SEMESTER SOPHOMORE**

BOT 2813 Business Communication

CNT 1624 Network Admin. Using  
Windows Server

CNT 2544 Project Management

SPT 1113 Oral Communications

**Total Hours:**

**Advisor Initials:**

**Date:**

**HOSPITALITY AND TOURISM TECHNOLOGY  
CULINARY ARTS TECHNOLOGY OPTION**

The Culinary Arts Technology concentration provides a solid foundation in the methods and science of cooking through exposure to classical, American, and international cuisine, as well as the art of baking and pastries. Special emphasis is placed on culinary tools, equipment, techniques, and specialty ingredients. The heart of the Culinary Arts Technology program is hands-on lab instruction by a chef instructor in a commercial kitchen. All students must wear appropriate chef’s uniforms for all lab classes. Culinary Arts students may receive a certificate after successfully completing all CUT and/or HRT courses listed in the Culinary Arts curriculum. Successful completion of the two-year program leads to an Associate of Applied Science degree.

**ADMISSION REQUIREMENTS**

Students must submit a composite score of 15 or higher on the Enhanced ACT.

**Culinary Arts  
Technology**

<b>REQUIRED COURSES:</b>	<b>Prev. Taken</b>	<b>FALL</b>	<b>SPRING</b>	<b>FALL</b>	<b>SPRING</b>	<b>SUMMER</b>
<b>FIRST SEMESTER FRESHMAN</b>						
HRT 1123 Intro to Hospitality & Tourism Industry						
CUT 1114 Culinary Arts I						
HRT 1213 Sanitation & Safety						
Written Communication Elective						
FCS 1253 Nutrition						
HRT 1224 Restaurant & Catering Operations						
<b>SECOND SEMESTER FRESHMAN</b>						
CUT 1124 Culinary Arts II						
CUT 1134 Principles of Baking						
CUT 1513 Garde Manger						
Math/Science Electives						
HRT 2613 Hospitality Supervision						

<b>FIRST SEMESTER SOPHOMORE</b>						
CUT 2314 American Regional Cuisine						
Social/Behavioral Science Elective						
CUT 2424 International Cuisine						
CUT 2223 Menu Planning and Facilities Design						
HRT 2713 Marketing Hospitality Services						
<b>SECOND SEMESTER SOPHOMORE</b>						
HRT 2623 Hospitality Human Resource Management						
CUT 2921 Supervised Work Experience in Culinary Arts Technology						
CUT 2243 Dining Room Management						
Humanities/Fine Arts Elective						
Oral Communication Elective						
<b>APPROVED ELECTIVES:</b>						
Total Hours : 72						
Advisor Initials:						
Date:						

An Associate in Arts degree will be awarded upon completion of not less than sixty-two hours of credit with a minimum cumulative grade point average of 2.00. A minimum of sixty of the required sixty- two hours must be academic credit hours. Nonacademic courses which may be counted toward graduation include Physical Education, Band and Chorus. Students should consult the catalog of the university to which they plan to transfer for specific degree requirements.

**DRAFTING AND DESIGN TECHNOLOGY  
ARCHITECTURAL ENGINEERING TECHNOLOGY OPTION**

The curriculum of the Drafting and Design Technology Program is designed to impart technical knowledge and engender manipulative skills in the use of construction and drafting equipment and procedures. The knowledge and skills mastered in this program are important to the design and production of plans for industry, manufacturing and construction. Emphasis is placed upon such subjects as scientific design, job specifications, building codes as well as drafting. Both creative and practical training are offered in such a manner that the student who successfully completes this two-year program is competent for employment in a variety of positions.

Some of the many jobs available to persons completing this program include: architectural or engineering draftsman, appraiser and inspector, estimator, layout and supervision, mapping surveyor and junior engineer.

**ADMISSION REQUIREMENTS**

Students must submit a composite score of 16 or higher on the Enhanced ACT. A minimum ACT score of 16 is also required on the mathematical usage and reading sections. In addition to these ACT requirements, re-admit or transfer students must have a 2.0 cumulative quality point average. No student may enroll in advanced semesters without satisfactory completion of prior semester courses.

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
CAREER TECHNICAL EDUCATION – DRAFTING & DESIGN**

Student Name \_\_\_\_\_

<b>REQUIRED COURSES:</b>	<b>PREV TAKEN</b>	<b>FALL</b>	<b>SPRING</b>	<b>FALL</b>	<b>SPRING</b>
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**FIRST SEMESTER FRESHMAN**

- DDT-1114 Fund of Drafting
- DDT-1213 Const. Materials
- DDT-1313 Principles of CAD
- ENG-1113 Comp 1
- MAT-1313 College Algebra OR
- MAT 1233 Int Algebra

<b>SECOND SEMESTER FRESHMAN</b>
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- DDT-1133 Machine Drafting
- DDT-1323 Intermediate CAD
- DDT-2253 Technical Math
- DDT-1613 Arch Design 1
- DDT-2233 Structural Drafting 1

**FIRST SEMESTER SOPHOMORE**

DDT-1413 Elem. Surveying

DDT-2243 Cost & Estimating

DDT-2623 Arch Design 11

DDT-2343 Advanced CAD

SPT-1113 Oral Communication

Social Behavioral Science

**SECOND SEMESTER SOPHOMORE**

DDT-2213 Structural Drafting II

DDT-2423 Map and Topo Dwg.

DDT-2943 Special Project

DDT-2523 Pipe Drafting

Humanities Fine Arts

**APPROVED ELECTIVES**

*Total Hours:*

*Advisor Initials:*

*Date:*

## ELECTRONICS TECHNOLOGY

Electronics Technology is an instructional program which prepares individuals to support electrical engineers and other professionals in the design, development, and testing of electrical circuits, devices, and systems. Included is instruction in model and prototype development and testing; systems analysis and integration; application of engineering data; and the preparation of reports and test results.

Students may not be admitted to the Electronics Technology program if they are in probationary status.

### ADMISSION REQUIREMENTS

Students must submit a composite score of 16 or higher on the Enhanced ACT. A minimum ACT score of 16 is also required on the mathematical usage and reading sections. In addition to these ACT requirements, re-admit or transfer students must have a 2.0 cumulative quality point average. No student may enroll in advanced semesters without satisfactory completion of prior semester courses.

### MISSISSIPPI DELTA COMMUNITY COLLEGE TECHNICAL EDUCATION – ELECTRONICS TECH

Students Name: \_\_\_\_\_

REQUIRED COURSES:	PREV TAKEN	FALL	SPRING	FALL	SPRING
<b>FRESHMAN-FALL ONLY</b>					
EET 1192 Fundamentals of Electronics					
EET 1114 DC Circuits					
EET 1123 AC Circuits					
EET 1613 Comp Fundamentals					
ENG 1113 English Comp I					
EET 0133 Technical Math					
<b>FRESHMAN – SPRING ONLY</b>					
EET 1314 Solid State Devices & Cir					
EET 1214 Digital Electronics					
EET 1713 Electronic Drafting (CAD)					
MAT 1233 Intermediate Algebra OR MAT 1313 College Algebra					
SPT 1113 Oral Communications					
<b>SOPHOMORE-FALL ONLY</b>					
EET 1324 Microprocessors					
EET 2334 Linear Integrated Circuits					
EET 2813 Video Systems					
EET 0212 Technical Physics I					
Humanity / Fine Arts (3hr)					

<b>SOPHOMORE –SPRING ONLY</b>					
EET 2414 Electronics Communication					
EET 2514 Interfacing Techniques					
EET 2943 Special Projects					
EET 0222 Technical Physics II					
Social / Behavioral Science (3hr)					
<b>APPROVED ELECTIVES</b>					
MAT 1323 Trigonometry					
HIS 1113 Western Civ.					
HIS 1123 Western Civ.					
<b>Total Hours:</b>					
<b>Advisor Initials:</b>					
<b>Date:</b>					

## **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.

Students must supply their own tools as directed by the instructor.

### **ADMISSION REQUIREMENTS**

Students must submit a composite score of 15 or higher on the Enhanced ACT. A minimum ACT score of 14 is also required on both the Mathematical Usage and Reading sections. In addition to this ACT requirement, re-admit or transfer student must have a 2.0 cumulative quality point average. No student may enroll in advanced semesters without satisfactory completion of prior semester courses or permission of instructor.

### **MISSISSIPPI DELTA COMMUNITY COLLEGE TECHNICAL EDUCATION – ELECTRICAL TECH**

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

<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>					
ELT 1113 Res/Light Comm Wiring					
ELT 1133 Intro to NEC					
ELT 1144 AC/DC Circuits					
ELT 1192 Fund Electric					
ELT 1213 Electrical Power					
* MAT 1233 Int. Algebra or MAT 1313 College Algebra					
<b>SECOND SEMESTER FRESHMAN</b>					
ELT 1123 Commercial & Industrial Wiring					
ELT 1223 Motor Maint/Troubleshooting					
ELT 1413 Motor Control System					
ELT 1263 Blueprints & Estimating					
ENG 1113 Comp 1					
CPT 1113 Fund Micro					
<b>FIRST SEMESTER SOPHOMORE</b>					
ELT 1334 Solid State Devices					
IMM 2314 Principles of Hydraulics & Pneumatics					
IMM 2114 Equipment Maint/Troubleshooting					
* SPT 1113 Oral Comm * Humanities/Fine Arts Elective					
<b>SECOND SEMESTER SOPHOMORE</b>					
ELT 2424 Solid State Motor Control					
ELT 2613 Programmable Logic Control					
EET 1713 Draft Elect/Electric Tech * Social/Behavioral Elective					

**APPROVED ELECTIVE** (with permission of

instructor)  
ELT 2923 Supervised Work  
ELT 2943 Special Projects

**Total Hours:**  
**Advisor Initials:**  
**Date:**

## 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 machines, 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.

### ADMISSION REQUIREMENTS

**Technical students who enroll without the ACT have until mid-term to take the ACT and receive a qualifying score of 14 or higher.**

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
TECHNICAL EDUCATION – MACHINE TOOL TECH  
STUDENT \_\_\_\_\_**

<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					
MAT 1233 Int Alg or					
MAT 1313 Col Alg					
ENG 1113 Comp I					
Technical Elective					
<b>SECOND SEMESTER SOPHOMORE</b>					
MST 2725 Comp Num Cont II					
MST 2144 Power Mach IV					
SPT 1113 Oral Com					
Social/Behaviorial Science					
Humanities/Fine Arts					

**APPROVED ELECTIVES:**

MST 2812 Metallurgy

MST 2923 Supervised Work Experience

MST 2913 Special Projects

DDT 1313 Principles of CAD

**Total Hours:**

**Advisor Initials:**

**Date:**

## 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. Instruction in sheet metal work can be placed in two basic categories: (1) Building Trades Sheet Metal Work and (2) Precision Sheet Metal Work.

The building trades sheet metal workers construct and install various types of ducts which are connected to form systems through which air is passed. These systems are referred to as heating, ventilating, and air conditioning systems. They are needed in homes, stores, apartments, offices, schools, hotels, shops, airplanes, and trains. Building trades sheet metal workers make and install gutters, down spouts, blow pipes, and industrial exhaust systems.

**MISSISSIPPI DELTA COMMUNITY COLLEGE  
TECHNICAL EDUCATION – SHEET METAL TECH  
STUDENT \_\_\_\_\_**

<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 1513 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 1523 Mach Pro II					
Social/Behaviorial Science elect					
<b>FIRST SEMESTER SOPHOMORE</b>					
SPT 1113 Oral Communications					
SMT 2513 Plans/Spec I					
SMT 2324 Methods Layout III					
ENG 1113 Comp I					
Social/Behaviorial Elective					
<b>SECOND SEMESTER SOPHOMORE</b>					
SMT 2523 Plans/Spec II					
SMT 2614 Adv Sheet Met Weld					
Human Fine Art Elective					
CPT 1113 Intro Computer					
MAT 1233 Int Algebra or					
MAT 1313 College Algebra					

**APPROVED ELECTIVES (with  
instructor's approval):**

SMT 2943 Special Projects

SMT 2923 Supervised Work Experience

**Total Hours:**

**Advisor Initials:**

**Date:**