

**PROGRAMS OF STUDY  
DIVISION OF CAREER  
AND  
TECHNICAL EDUCATION**

**ARCHITECTURE AND CONSTRUCTION STUDIES PATHWAY  
BRICK, BLOCK, & STONE MASONRY**

ADVISOR: N. MITCHELL, SR.

COUNSELOR: M. GATEWOOD

**Program Description:** The Brick, Block, and Stone Masonry program is an instructional program that prepares individuals to lay brick, block, and/or stone. Included is instruction in laying out and/or spacing bonds; determining vertical and horizontal alignment of courses using gauges, plumb-bobs, and levels; and cutting, notching, and shaping blocks, bricks, and stone to construct or repair walls, partitions, arches, and fireplaces.

**FIRST YEAR**

**FALL SEMESTER**

BBT 1115 Brick and Block Laying	5
BBT 1215 Masonry Construction	5
BBT 1223 Masonry Math, Estimating and Blueprint Reading	3
BBT 1313 Tools, Equip., & Safety	3
LLS 1311 Orientation	1
<b>Total Hours</b>	<b>17</b>

**SPRING SEMESTER**

BBT 1425 Advanced Block Lay	5
BBT 1525 Advanced Brick Lay	5
BBT 2112 Repair & Restoration	2
*Approved Technical Elective	3
*	
<b>Total Hours</b>	<b>15</b>

**A College Credit Certificate may be earned at this point.**

**A Technical Certificate may be earned at this point.**

**SECOND YEAR**

**FALL SEMESTER**

BBT 1623 Chimney and Fireplace	3
BBT 1723 Arch Construction	3
BBT 1823 Steps, Patios, and Brick Floors	3
BBT 2123 Leadership Preparedness	3
*Approved Technical Elective	3
<b>Total Hours</b>	<b>15</b>

**SPRING SEMESTER**

ENG 1113 English Composition I	3
Social/Behavioral Science	3
Humanities/Fine Arts	3
MAT 1313 College Algebra OR Natural Science w/Lab	3-4
Public Speaking OR Social /Behavioral Science OR English Composition II	3
<b>Total Hours</b>	<b>15-16</b>

**An Advanced Technical Certificate may be earned at this point.**

**An AAS Degree may be earned at this point.**

\*Approved Technical Electives: BBT 191 (1-3), BOT 1273, WBL 1913, WBL 1923. WBL 1933 or other electives technical or academic electives approved by advisor.

**ARCHITECTURE AND CONSTRUCTION STUDIES PATHWAY  
CARPENTRY TECHNOLOGY**

ADVISOR:  
COUNSELOR: M. GATEWOOD

**Program Description:** Carpentry Technology is an instructional program designed to prepare students for entry-level into the carpentry trade. The carpentry program offers learning experiences in blueprint reading, estimating, building, installing, and repairing structural units.

**FIRST YEAR**

**FALL SEMESTER**

CCT 1116 Foundation 6  
CCT 1133 Blueprint Reading 3  
CCT 1236 Flooring and Wall Framing 6  
LLS 1311 Orientation 1

**Total Hours**

6  
3  
6  
1

**16**

**SPRING SEMESTER**

CCT 1163 Construction Mathematics 3  
CCT 1245 Ceiling and Roof Framing 5  
CCT 1315 Interior/Exterior Finishing and Cabinet Installation 5  
\*Approved Technical Elective 3

**Total Hours**

**16**

**A College Credit Certificate may be earned at this point.**

**A Technical Certificate may be earned at this point.**

**SECOND YEAR**

**FALL SEMESTER**

CCT 1113 Fundamentals of Drafting 3  
CCT 2113 Principles of Multi-Family & Light Commercial Construction 3  
CCT 2133 Millwork 3  
CCT 2243 Cost Estimating 3

\*Approved Technical Elective

**Total Hours**

3  
3  
3  
3

**15**

**SPRING SEMESTER**

ENG 1113 English Composition I 3  
Social/Behavioral Science 3  
Humanities/Fine Arts 3  
MAT 1313 College Algebra OR Natural Science w/Lab 3-4  
Public Speaking OR Social /Behavioral Science OR English Composition II 3

**Total Hours**

**15-16**

**An Advanced Technical Certificate may be earned at this point.**

**An AAS Degree may be earned at this point.**

\*Approved Technical Electives: CCT 292(1-6), RCT 1312, WBL 1913, WBL 1923. WBL 1933 or other electives technical or academic electives approved by advisor.

**ARCHITECTURE AND CONSTRUCTION STUDIES PATHWAY  
ELECTRICAL TECHNOLOGY**

ADVISOR: E. BELL

COUNSELOR: M. GATEWOOD

**Program Description:** Electrical Technology program prepares individuals to install, operate, maintain, and repair electrical systems. These systems include residential, commercial, and industrial wiring, motors controls, and electrical distribution panels. In addition, the program offers extensive hands-on training in electrical troubleshooting and developing problem-solving skills in industrial electrical procedures, programmable logic controllers, and process control.

**FIRST YEAR**

**FALL SEMESTER**

ELT 1113 Residential Wiring	3
ELT 1123 Commercial Wiring	3
ELT 1144 AC and DC Circuits for Electrical Power	4
ELT 1193 Fundamentals of Electricity	3
LLS 1311 Orientation	1
* Approved Elective	3
<b>Total Hours</b>	<b>17</b>

**SPRING SEMESTER**

ELT 1213 Electrical Power	3
ELT 1253 Branch Circuit and Service Entrance Calculation	3
ELT 1263 Electrical Drawing and Schematics	3
ELT 1413 Motor Control	3
*Approved Technical Elective	3
<b>Total Hours</b>	<b>15</b>

**A College Credit Certificate may be earned at this point.**

**A Technical Certificate may be earned at this point.**

**SECOND YEAR**

**FALL SEMESTER**

ELT 2114 Equipment Maintenance Troubleshooting & Repair	4
ELT 2424 Solid State Motor Control	4
ELT 2613 Programming Logic Controllers	3
*Approved Technical Elective	4
<b>Total Hours</b>	<b>15</b>

**SPRING SEMESTER**

ENG 1113 English Composition I	3
Social/Behavioral Science	3
Humanities/Fine Arts	3
MAT 1313 College Algebra OR Natural Science w/Lab	3-4
Public Speaking OR Social / Behavioral Science English Composition II	OR 3
<b>Total Hours</b>	<b>15-16</b>

**An Advanced Technical Certificate may be earned at this point.**

**An AAS Degree may be earned at this point.**

\*Approved Technical Electives: ELT 1133, ELT 1283, ELT 291(1-4), RCT 1312, WBL 1913, WBL 1923. WBL 1933 or other technical or academic electives approved by advisor.

**ARCHITECTURE AND CONSTRUCTION STUDIES PATHWAY  
HEATING, VENTILATION, AIR-CONDITIONING, AND REFRIGERATION TECHNOLOGY**

ADVISOR: J. HALL

COUNSELOR: M. GATEWOOD

**Program Description:** Heating, Ventilation, Air-Conditioning, and Refrigeration Technology is a postsecondary 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. Instruction prepares individuals to work in a commercial and residential setting performing special tasks relating to designing ductwork, assembly, installation, servicing, operation, and maintenance of heating, cooling, and refrigeration systems according to the standards of the American Society of Heating, Refrigeration, and Air-Conditioning Engineers, Inc., Air-Conditioning Contractors of America (ACCA), Air-Conditioning Heating Refrigeration Institute (AHRI), and others

**FIRST YEAR**

**FALL SEMESTER**

**SPRING SEMESTER**

ACT 1003 Introduction to Heating and Air Conditioning Technology	3	ACT 1713 Electricity for Heating, Ventilation, Air-Conditioning, and Refrigeration	3
ACT 1124 Basic Compression Refrigeration	4	ACT 2414 Heating, Ventilation, Air Conditioning, and Refrigeration I	4
ACT 1133 Brazing and Piping	3	ACT 2433 Refrigerant, Retrofit and Regulations	3
ACT 1214 Controls	4	ACT 2513 Heating Systems	3
ACT 1313 Refrigeration System Components	3		
LLS 1311 Orientation	1		
<b>Total Hours</b>	<b>18</b>	<b>Total Hours</b>	<b>13</b>

**A College Credit Certificate may be earned at this point.**

**A Technical Certificate may be earned at this point.**

**SECOND YEAR**

**FALL SEMESTER**

**SPRING SEMESTER**

ACT 2324 Commercial Refrigeration	4	ENG 1113 English Composition I	3
ACT 2424 Heating, Ventilation, and Air Conditioning II	4	Social/Behavioral Science	3
ACT 2624 Heat Load and Air Properties	4	Humanities/Fine Arts	3
*Approved Technical Elective	3	MAT 1313 College Algebra OR Natural Science w/Lab	3-4
		Public Speaking OR Social / Behavioral Science OR English Composition II	3
<b>Total Hours</b>	<b>15</b>	<b>Total Hours</b>	<b>15-16</b>

**An Advanced Technical Certificate may be earned at this point.**

**An AAS Degree may be earned at this point.**

\*Approved Technical Electives: RCT 1312, WBL 1913, WBL 1923. WBL 1933 or other electives technical or academic electives approved by advisor.

**ARCHITECTURE AND CONSTRUCTION STUDIES PATHWAY  
WELDING AND CUTTING TECHNOLOGY**

ADVISOR: H. STRIPLIN, JR.  
COUNSELOR: M. GATEWOOD

**Program Description:** The Welding and Cutting Technology program prepares students for entry-level employment in the field of welding and cutting. The curriculum includes Blueprint Reading, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), Plasma Arc Cutting (PAC), Carbon Arc Cutting, Oxyfuel Cutting, and Gas Tungsten Arc Welding (GTAW).

**FIRST YEAR**

**FALL SEMESTER**

WLT 1115	Shielded Metal Arc Welding I	5
WLT 1173	Introduction to Welding and Safety	3
WLT 1225	Shielded Metal Arch Welding II	5
WLT 1232	Blueprint Reading, Welding and Metallurgy	2
LLS 1311	Orientation	1

**Total Hours** **16**

**A College Credit Certificate may be earned at this point.**

**SPRING SEMESTER**

WLT 1124	Gas Metal Arch Welding	4
WLT 1135	Gas Tungsten Arc Welding	5
WLT 1143	Fluxed Cored Arc Welding	3
WLT 1313	Cutting Processes	3

**Total Hours** **15**

**A Technical Certificate may be earned at this point**

**SECOND YEAR**

**FALL SEMESTER**

WLT 1155	Pipe Welding	5
WLT 1162	Gas Metal Arc Aluminum Welding	2
WLT 1252	Advance Pipe Welding	3
*Approved Technical Elective		5

**Total Hours** **15**

**An Advanced Technical Certificate may be earned at this point.**

**SPRING SEMESTER**

ENG 1113	English Composition I	3
	Social/Behavioral Science	3
	Humanities/Fine Arts	3
MAT 1313	College Algebra OR Natural Science w/Lab	3-4
	Public Speaking OR Social /Behavioral Science OR English Composition II	3

**Total Hours** **15-16**

**An AAS Degree may be earned at this point.**

\*Approved Technical Electives: RCT 1312, WLT 1912, WBL 1913, WBL 1923. WBL 1933 or other technical or academic electives approved by advisor.

**HUMAN SERVICES PATHWAY**  
**BARBER/STYLIST TECHNOLOGY**  
 ADVISOR: R. THOMAS & R. HIGHTOWER  
 COUNSELOR: T. BUTLER

**Program Description:** The Barber/Stylist postsecondary instructional program prepares individuals to cut, color, perm, shampoo, and style hair. Students are also instructed on the proper techniques for facial massaging and shaving. Special attention is given to hygiene, safety, skin, scalp diseases, and equipment sterilization. Included is the study of sales, business management, laws governing the profession of barbering, and customer relationships. Instruction qualifies students for the MS State Board of Barber Examiners certification examination.

**FIRST YEAR**

**FALL SEMESTER**

BAV 1118 Basic Practices in Barbering 8  
 BAV 1218 Fundamental Practices in Barbering I 8  
 LLS 1311 Orientation 1

**Total Hours**

**17**

**A College Credit Certificate may be earned at this point.**

**SPRING SEMESTER**

BAV 1318 Fundamental Practice In Barbering II 8  
 BAV 1418 Intermediate Practice in Barbering I 8

**16**

**A Technical Certificate may be earned at this point**

**SECOND YEAR**

**FALL SEMESTER**

BAV 1518 Intermediate Practice in Barbering II 8  
 BAV 1618 Advanced Practice in Barbering 8

**Total Hours**

**16**

**An Advanced Technical Certificate may be earned at this point.**

**SPRING SEMESTER**

ENG 1113 English Composition I 3  
 Social/Behavioral Science 3  
 Humanities/Fine Arts 3  
 MAT 1313 College Algebra OR Natural Science w/Lab 3-4  
 Public Speaking OR Social /Behavioral Science OR English Composition II 3

**Total Hours**

**15-16**

**An AAS Degree may be earned at this point.**

**HUMAN SERVICES PATHWAY**  
**BARBER/STYLIST TECHNOLOGY**  
 ADVISOR: R. THOMAS & R. HIGHTOWER  
 COUNSELOR: T. BUTLER

**Program Description:** The Barber/Stylist postsecondary instructional program prepares individuals to teach others to cut, perm, color, relax, and style hair. Student instructors will also learn to teach proper administration of facials, straight razor shaves, as well as the significance of hygiene, sanitation, safety, skin and scalp diseases, and equipment sterilization. Finally, this program will prepare individuals to teach others in the area of sales, business management, state law, and customer relationships. Satisfactory completion of the courses qualifies students for the MS State Board of Barber Examiners instructor licensing examination.

**PROGRAM REQUIREMENTS**

The curriculum is designed for students who currently hold a valid Mississippi barber license. Student instructors who do not have two years of active experience must complete a minimum of 1000 hours of the instructor training program, while those who have two or more active years of experience must complete a minimum of 600 hours of the program. The curriculum complies with the standards of the MS State Board of Barber Examiners, and successful completion of the program qualifies students for the state licensing examination for barber instructors

**FIRST YEAR**

**FALL SEMESTER**

**SPRING SEMESTER**

BAV 2217 Barbering Instructor Training I	7	BAV 2237 Barbering Instructor Training III	7
BAV 2227 Barbering Instructor Training II	7	BAV 2247 Barbering Instructor Training IV	7
<b>Total Hours</b>	<b>14</b>	<b>Total Hours</b>	<b>14</b>

**HUMAN SERVICES PATHWAY**  
**COSMETOLOGY**  
 ADVISOR: N. HOWARD  
 COUNSELOR: T. BUTLER

**Program Description:** Cosmetology is an instructional program designed to prepares students with the theory and skills to care for hair, nails, and skin with an emphasis on hygiene, sanitation, customer relations, and salon management. Satisfactory completion of the course qualifies students for the Mississippi State Board of Cosmetology certificate examination.

**FIRST YEAR**

**FALL SEMESTER**

COV 1123	Cosmetology Orientation	3
COV 1245	Cosmetology Science	5
COV 1426	Hair Care I	6
COV 1522	Nail Care I	2
COV 1622	Skin Care I	2
LLS 1311	Orientation	1
<b>Total Hours</b>		<b>19</b>

**SPRING SEMESTER**

COV 1255	Cosmetology Sciences II	3
COV 1436	Hair Care II	6
COV 1532	Nail Care II	2
COV 1632	Skin Care II	2
COV 1722	Salon Business	2
<b>Total Hours</b>		<b>17</b>

**A College Credit Certificate may be earned at this point.**

**A Technical Certificate may be earned at this point.**

**SECOND YEAR**

**FALL SEMESTER**

COV 1263	Cosmetology Sciences III	3
COV 1443	Hair Care III	3
COV 1542	Nail Care III	2
COV 1642	Skin Care III	2
COV 1732	Salon Business II	3
<b>Total Hours</b>		<b>12</b>

**SPRING SEMESTER**

ENG 1113	English Composition I	3
	Social/Behavioral Science	3
	Humanities/Fine Arts	3
MAT 1313	College Algebra OR Natural Science w/La	3-4
	Public Speaking OR Social /Behavioral Science OR English Composition I	3
<b>Total Hours</b>		<b>15-16</b>

**An Advanced Technical Certificate may be earned at this point.**

**An AAS Degree may be earned at this point.**

**HUMAN SERVICES PATHWAY  
COSMETOLOGY**  
ADVISOR: N. HOWARD  
COUNSELOR: T. BUTLER  
(TEACHER TRAINING OPTION)

**Program Description:** Cosmetology teacher training is an instructional program designed to prepares students to teach theory and skills to care for hair, nails, and skin with an emphasis on hygiene, sanitation, customer relations, and salon management. Satisfactory completion of the course qualifies students for the Mississippi State Board of Cosmetology certificate examination.

**PROGRAM REQUIREMENTS**

It is recommended that students complete 12 semester hours of college-level education as approved by the Mississippi State Board of Cosmetology before enrolling in the Cosmetology Teacher Training Option. These hours must be completed before a student will be allowed to take the cosmetology instructor licensing examination. More information concerning these hours can be obtained from the Mississippi State Board of Cosmetology. The curriculum is designed for students who have at least two years active practical experience as a licensed cosmetologist and currently hold a valid Mississippi cosmetology license. The curriculum complies with the Mississippi State Board of Cosmetology standards and the requirement for 750 contact hours for students.

**FIRST YEAR**

**FALL SEMESTER**

COV 2816 Teacher Training I  
COV 2826 Teacher Training II

6  
6

**Total Hours**

**12**

**SPRING SEMESTER**

COV 2836 Teacher Training III  
COV 2846 Teacher Training IV

6  
6

**Total Hours**

**12**

**SECOND YEAR**

**FALL SEMESTER**

ENG 1113 English Composition I  
Humanities/Fine Arts Elective  
Behavioral/Social Science Elective  
Math/Natural Science Elective

3  
3  
3  
3

**Total Hours**

**12**

**HUMAN SERVICES PATHWAY  
CULINARY ARTS TECHNOLOGY**

ADVISOR: L. CRAVEN & D. PITTMAN

COUNSELOR: T. BUTLER

**Program Description:** 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. In addition, after successful completion of the Sanitation and Safety course, students will be eligible to obtain ServSafe® Sanitation certification from the National Restaurant Association.

**FIRST YEAR**

**FALL SEMESTER**

CUT 1115	Culinary Principles I	5
CUT 1153	Introduction to Culinary Arts	3
CUT 1214	Sanitation and Safety	4
LLS 1311	Orientation	1
	*Approved Technical Elective	3

**Total Hours**

**16**

**SPRING SEMESTER**

CUT 1125	Culinary Principles II	5
CUT 1134	Principles of Baking	4
CUT 1513	Garde Manger	3
CUT 2223	Menu Planning	3

**Total Hours**

**15**

**A College Credit Certificate may be earned at this point.**

**A Technical Certificate may be earned at this point**

**SECOND YEAR**

**FALL SEMESTER**

HRT 2233	Food & Beverage Cost Control	3
CUT 2244	Dining Room Management	4
CUT 2314	American Regional Cuisine	4
CUT 2424	International Cuisine	4

**Total Hours**

**15**

**SPRING SEMESTER**

ENG 1113	English Composition I	3
	Social/Behavioral Science	3
	Humanities/Fine Arts	3
MAT 1313	College Algebra OR Natural Science w/Lab	3-4
	Public Speaking OR Social /Behavioral Science	OR
	English Composition II	3

**Total Hours**

**15-16**

**An Advanced Technical Certificate may be earned at this point.**

**An AAS Degree may be earned at this point.**

\*Approved Technical Electives: HRT 2613, HRT 2623, RCT 1312, WBL 1913, WBL 1923. WBL 1933 or other electives technical or academic electives approved by advisor.

**PROFESSIONAL STUDIES PATHWAY**  
*BUSINESS TECHNOLOGY*

**ADMINISTRATIVE OFFICE TECHNOLOGY**

ADVISOR: K. HOLLINS

COUNSELOR: T. BUTLER

**Program Description:** The Administrative Office Technology Program is an instructional program designed to prepare and train students for entry-level training in administrative office procedures, integrated computer applications, business financial systems, communication, accounting clerks, records clerks, transcriptionists, word processing specialists, and to fill other positions requiring computer skills such as database management, Web design, and desktop publishing.

**FIRST YEAR**

**FALL SEMESTER**

BOT 1233	Microsoft Word I	3
BOT 1273	Intro to Microsoft Office	3
BOT 1313	Applied Business Math	3
BOT 1763	Communication Essentials	3
LLS 1311	Orientation	1
	*Approved Technical Elective	3

**Total Hours**

**16**

**SPRING SEMESTER**

BOT 1243	Microsoft Word II	3
BOT 1413	Records Management	3
BOT 1433	Business Accounting	3
BOT 1823	Microsoft Excel I	3
BOT 2183	Career Readiness	3

**Total Hours**

**15**

**A College Credit Certificate may be earned at this point.**

**A Technical Certificate may be earned at this point**

**SECOND YEAR**

**FALL SEMESTER**

BOT 1513	Machine Transcription	3
BOT 1853	Microsoft Excel II	3
BOT 2333	Microsoft Access	3
BOT 2433	QuickBooks	3
	*Approved Technical Elective	3

**Total Hours**

**15**

**SPRING SEMESTER**

ENG 1113	English Composition I	3
	Social/Behavioral Science	3
	Humanities/Fine Arts	3
MAT 1313	College Algebra OR Natural Science w/Lab	3-4
	Public Speaking OR Social /Behavioral Science OR English Composition II	3

**Total Hours**

**15-16**

**An Advanced Technical Certificate may be earned at this point.**

**An AAS Degree may be earned at this point.**

\*Approved Technical Electives: BOT 2473, BOT 2813, BOT 2833, RCT, 1312, WBL 1913, WBL 1923. WBL 1933 or other electives technical or academic electives approved by advisor.



**PROFESSIONAL STUDIES PATHWAY**  
*BUSINESS TECHNOLOGY*

**HEALTHCARE DATA TECHNOLOGY**

ADVISOR:

COUNSELOR: T. BUTLER

**Program Description:** The Healthcare Data 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. Health-care Data Technology is a 2-year program of study that requires courses in the vocational-technical core, designated areas of concentration, and the academic core.

**FIRST YEAR**

**FALL SEMESTER**

BOT 1233 Microsoft Word I	3
BOT 1273 Intro to Microsoft Office	3
BOT 1313 Applied Business Math	3
BOT 1613 Medical Terminology I	3
BOT 1763 Communication Essential	3
LLS 1311 Orientation	1
<b>Total Hours</b>	<b>16</b>

**SPRING SEMESTER**

BOT 1433 Business Accounting	3
BOT 1623 Medical Terminology II	3
BOT 2183 Career Readiness	3
BOT 2523 Medical Machine Transcription	3
*Approved Technical Elective	3
<b>Total Hours</b>	<b>15</b>

**A College Credit Certificate may be earned at this point.**

**A Technical Certificate may be earned at this point.**

**SECOND YEAR**

**FALL SEMESTER**

BOT 2643 CPT Coding	3
BOT 2653 ICD Coding	3
BOT 2663 Advance Coding	3
BOT 2673 Medical Insurance Billing	3
*Approved Technical Elective	3
<b>Total Hours</b>	<b>15</b>

**SPRING SEMESTER**

ENG 1113 English Composition I	3
Social/Behavioral Science	3
Humanities/Fine Arts	3
MAT 1313 College Algebra OR Natural Science w/Lab	3-4
Public Speaking OR Social /Behavioral Science OR English Composition II	3
<b>Total Hours</b>	<b>15-16</b>

**An Advanced Technical Certificate may be earned at this point.**

**An AAS Degree may be earned at this point.**

\*Approved Technical Electives: BOT 1643, BOT 2473, BOT 2763, BOT 2813, BOT 2833, BOT 2933, RCT 1312 WBL 1913, WBL 1923. WBL 1933 or other technical or academic electives approved by advisor.

**PROFESSIONAL STUDIES PATHWAY  
EARLY CHILDHOOD EDUCATION TECHNOLOGY**

ADVISORS: A. LANDFAIR & T. TAYLOR

COUNSELOR: T. BUTLER

**Program Description:** The Early Childhood Education Technology program provides preparation for a professional career in Early Childhood Education, spanning a variety of career options. This discipline includes classroom instruction, supervised laboratory experiences, and work-based learning experiences. Students will develop competencies that enable them to provide services, teach, and guide young children in various early childhood professions.

**FIRST YEAR**

**FALL SEMESTER**

CDT 1113 Early Childhood Profession 3  
 CDT 1214 Infant and Toddler Develop 4  
 CDT 1343 Child Health, Safety, and Nutrition 3  
 CDT 1313 Creative Arts for Young Children 3  
 CDT 2233 Guiding Social and Emotional Behavior 3  
 LLS 1311 Orientation 1

**Total Hours 17**

**A College Credit Certificate may be earned at this point.**

**SPRING SEMESTER**

CDT 1224 Preschool & Primary Development 4  
 CDT 1713 Language and Literacy Development for Young Children 3  
 CDT 2714 Social Studies, Math and Science for Young Children 4  
 CDT 2914 Initial Practicum 4

**Total Hours 15**

**A Technical Certificate may be earned at this point**

**SECOND YEAR**

**FALL SEMESTER**

CDT 2413 Development of the Exceptional Child 3  
 CDT 2513 Family Dynamics and Community Involvement 3  
 CDT 2613 Methods, Materials, and Measurement 3  
 CDT 2813 Administration of Programs for Young Children 3  
 CDT 2944 Advance Practicum 4

**Total Hours 16**

**A College Credit Certificate may be earned at this point.**

**SPRING SEMESTER**

ENG 1113 English Composition I 3  
 Social/Behavioral Science Humanities/Fine Arts 3  
 MAT 1313 College Algebra OR Natural Science w/Lab 3-4  
 Public Speaking OR Social / Behavioral Science OR English Composition II 3

**Total Hours 15-16**

**A Technical Certificate may be earned at this point**

**TRANSPORTATION STUDIES PATHWAY  
AUTOMOTIVE TECHNOLOGY**

ADVISOR: M. TAYLOR

COUNSELOR: M. GATEWOOD

**Program Description:** Automotive Technology is an instructional program that prepares individuals to engage in the servicing and maintenance of all types of automobiles. Instructions include the diagnosis of malfunctions of all eight areas of ASE certification (Engine Repair, Electrical and Electronic Systems, Engine Performance, Brakes, Steering and Suspension System, Manual Drive Trains and Axles, Automatic Transmissions and Transaxles, Heating and Air Conditioning).

**FIRST YEAR**

**FALL SEMESTER**

ATT 1124	Basic Elect. & Electro.	4
ATT 1424	Engine Perform. I	4
ATT 1715	Engine Repair	5
ATT 1811	Introduction, Safety, and Employability Skills	1
CTE 1511	Comp. Math & Read. Comp	1
LLS 1311	Orientation	1

**Total Hours**

**16**

**SPRING SEMESTER**

ATT 1134	Advance Electrical & Electrical System	4
ATT 1214	Brake	4
ATT 2434	Engine Perform. II	4
	*Approved Technical Elective	3

**Total Hours**

**15**

**A College Credit Certificate may be earned at this point.**

**A Technical Certificate may be earned at this point**

**SECOND YEAR**

**FALL SEMESTER**

ATT 1313	Manual Drive Transmission and Transaxle	3
ATT 2324	Automatic Trans/Transaxle	4
ATT 2614	Heating and Air Conditioning	4
	*Approved Technical Elective	4

**Total Hours**

**15**

**SPRING SEMESTER**

ENG 1113	English Composition I	3
	Social/Behavioral Science	3
	Humanities/Fine Arts	3
MAT 1313	College Algebra OR Natural Science w/Lab	3-4
	Public Speaking OR Social /Behavioral Science OR English Composition II	3

**Total Hours**

**15-16**

**An Advanced Technical Certificate may be earned at this point.**

**An AAS Degree may be earned at this point.**

\*Approved Technical Electives: ATT 2334, ATT 2444, ATT 291(1-6), BOT 1113, WBL 1913, WBL 1923, WBL1933, RCT 1312, or other electives technical or academic electives approved by advisor.

**TRANSPORTATION STUDIES PATHWAY  
COLLISION REPAIR TECHNOLOGY**

ADVISOR: E. JOHNSON  
COUNSELOR: M. GATEWOOD

**Program Description:** Collision Repair Technology is an instructional program designed to prepare students for entry-level into the collision repair and refinishing trade. Upon completing this program, the students will be prepared for beginning positions as body, frame, and refinish technicians. Students will be provided theory and practical repair and refinish work, beginning with basic applications and progressing on to heavy collision repairs requiring major body and frame alignment and panel replacement. The instruction includes all phases necessary to teach collision repair, including glass replacement, welding, hardware, trim items replacement, cosmetic repairs, and structural repairs.

**FIRST YEAR**

**FALL SEMESTER**

ABT 1146	Structural Analysis and Damage Repair I	6
ABT 1223	Non-Structural Analysis and Damage Repair I	3
ABT 1313	Refinishing I	3
ABT 1443	Mechanical and Electrical Components I	3
LLS 1311	Orientation	1
<b>Total Hours</b>		<b>16</b>

**A College Credit Certificate may be earned at this point.**

**SPRING SEMESTER**

ABT 1153	Structural Analysis and Damage Repair II	3
ABT 1236	Non-Structure Analysis and Damage Repair II	6
ABT 1323	Refinishing II	3
ABT 1453	Mechanical and Electrical Components II	3
<b>Total Hours</b>		<b>15</b>

**A Technical Certificate may be earned at this point.**

**SECOND YEAR**

**FALL SEMESTER**

ABT 2163	Structural Analysis and Damage Repair III	3
ABT 2243	Structural Analysis and Damage Repair III	3
ABT 2336	Refinishing III	6
*Approved Technical Elective		3
<b>Total Hours</b>		<b>15</b>

**An Advanced Technical Certificate may be earned at this point.**

**SPRING SEMESTER**

ENG 1113	English Composition I	3
	Social/Behavioral Science	3
	Humanities/Fine Arts	3
MAT 1313	College Algebra OR Natural Science w/Lab	3-4
	Public Speaking OR Social /Behavioral Science OR English Composition II	3
<b>Total Hours</b>		<b>15-16</b>

**An AAS Degree may be earned at this point.**

\*Approved Technical Electives: ABT 291(1-3), ABT 292(1-6), RCT 1312, WBL 1913, WBL 1923. WBL 1933 or other electives technical or academic electives approved by advisor.

**TRANSPORTATION STUDIES PATHWAY  
COMMERCIAL TRUCK DRIVING**

ADVISOR: S. GRAY

COUNSELOR: M. GATEWOOD

**Program Description:** This instructional program prepares individuals to drive trucks and other commercial vehicles. It includes instruction in operating diesel-powered vehicles, loading and unloading cargo, reporting delays or accidents on the road, verifying loads against shipping records, and keeping necessary records and hours of service. Postsecondary Commercial Truck Driving is a certificate program designed to provide advanced skills to its students. The program consists of up to four levels of instruction which must be obtained at the community/junior college level. Industry standards referenced are from the Mississippi Professional Driver's Manual for Class A, B, & C © Commercial Driver's License, Department of Public Safety, and State of Mississippi.

**FIRST YEAR**

DTV 1116 Commercial Truck Driving I	6
DTV 1126 Commercial Truck Driving II	6
DTV 1137 Commercial Truck Driving Internship	7
<b>Total Hours</b>	<b>19</b>

**MANUFACTURING PATHWAY  
INDUSTRIAL MAINTENANCE TECHNOLOGY**

ADVISOR: E. WALKER  
COUNSELOR: M. GATEWOOD

**Program Description:** Trades curriculum includes a program of study for Career Technical program is designed to prepare students for entry-level employment as multi-craft maintenance technicians. Industrial maintenance trade technicians are responsible for assembling, installing, maintaining and repairing machinery used in the manufacturing or industrial environment. Students receive basic instruction in various areas, including safety, machinery maintenance and troubleshooting/service, blueprint reading, basic machining operations, fundamentals of piping and hydro-testing, and fundamentals of industrial electricity.

**FIRST YEAR**

**FALL SEMESTER**

IMM 1113 Industrial Maintenance Safety	3
IMM 1153 Electrical Industrial Maintenance I	3
IMM 1214 Introduction to Industrial Maintenance	4
IMM 1243 Mechanical Industrial Maintenance I	3
LLS 1311 Orientation	1
*Approve Technical Elective	3

**Total Hours** **17**  
A College Credit Certificate may be earned at this point.

**SPRING SEMESTER**

IMM 1163 Electrical Industrial Maintenance II	3
IMM 1253 Mechanical Industrial Maintenance II	3
IMM 1323 Motor Control Systems	3
*Approved Technical Elective	6

**Total Hours** **15**  
A Technical Certificate may be earned at this point

**SECOND YEAR**

**FALL SEMESTER**

IMM 2214 Advance Electrical Industrial Maintenance	4
IMM 2224 Advanced Mechanical Industrial Maintenance	4
IMM 2613 Programmable Logic Controllers	3
*Approved Technical Elective	4

**Total Hours** **15**  
A College Credit Certificate may be earned at this point.

**SPRING SEMESTER**

ENG 1113 English Composition I	3
Social/Behavioral Science	3
Humanities/Fine Arts	3
MAT 1313 College Algebra OR Natural Science w/Lab	3-4
Public Speaking OR Social /Behavioral Science OR English Composition II	3

**Total Hours** **15-16**  
A Technical Certificate may be earned at this point

\*Approved Technical Electives: IMM 1173, IMM 1313, IMM 1734, ELT, 1123, ELT 1233, ELT 2424 WBL 1913, WBL 1923. WBL 1933 or other electives technical or academic electives approved by advisor.