



AUM 244 Engine Performance II .....	3
AUM 281 Special Topics .....	3
<b>TOTAL CREDITS .....</b>	<b>24</b>

**CARPENTRY/ROUGH**

**Certificate**

**Program Code: CT.CARPENTRY.RG                      CIP Code: 46.0201**

**Limestone Correctional Facility Only**

This program equips the student with basic skills and knowledge in rough carpentry. All phases of construction are covered from site preparation and blueprint reading to framing.

**MAJOR COURSE REQUIREMENTS**

CAR 111 Construction Basics.....	3
CAR 112 Floors, Walls, Site Prep .....	3
CAR 113 Floors, Walls, Site Prep Lab .....	3
CAR 114 Construction Basics Lab.....	3
CAR 121 Introduction to Blue Print Reading .....	3
CAR 131 Roof and Ceiling Systems .....	3
CAR 133 Roof and Ceiling Systems Lab.....	3
CAR 230 Residential Repair and Remodeling.....	3
<b>TOTAL CREDITS .....</b>	<b>24</b>

**CARPENTRY/FINISH**

**Certificate**

**Program Code: CT.CARPENTRY.FINISH                      CIP Code: 46.0201**

**Limestone Correctional Facility Only**

This program prepares the student for employment in the field of finish carpentry. The course will cover such topics as interior wall and ceiling finishing, painting and staining, trim work, and concrete slabs and sidewalks.

**MAJOR COURSE REQUIREMENTS**

CAR 122 Concrete and Forming .....	3
CAR 123 Concrete and Forming Lab .....	3
CAR 226 Metal Framing .....	3
CAR 132 Interior and Exterior Finishing .....	3
CAR 228 Stairs, Molding and Trim.....	3
CAR 214 Introduction to Cabinetry.....	3
CAR 224 Floor, Wall - Ceiling Specialties .....	3
CAR 232 Construction Management .....	3
<b>TOTAL CREDITS .....</b>	<b>24</b>

**DESIGN DRAFTING/BASIC DESIGN**

**Certificate**

**Program Code: CT.DDT.BASIC                                      CIP Code: 15.1301**

**Limestone Correctional Facility Only**

The Design Drafting/Basic Design Certificate program is designed to offer students the opportunity to gain entry-level skills. An introduction to DOS and CAD design is included.

**MAJOR COURSE REQUIREMENTS**

DDT 104 Introduction to Computer Aided Drafting and Design.....	3
DDT 111 Fundamentals of Drafting and Design Technology .....	3
DDT 124 Technical Drawing I.....	3
DDT 125 Surface Development .....	3
DDT 128 Technical Drawing II.....	3
DDT 122 Advanced Technical Drawing.....	3
DDT 131 Basic Machine Drafting .....	3
DDT 134 Descriptive Geometry .....	3
<b>TOTAL CREDITS .....</b>	<b>24</b>

**DESIGN DRAFTING / BASIC ARCHITECTURAL**

**Certificate**

**Program Code: CT.DDT.ARCH                                      CIP Code: 15.1301**

**Limestone Correctional Facility Only**

The Architectural Drafting Certificate program offers the advanced drafting student concentrated studies in the specialty areas of house and design drafting. Coursework or skills and knowledge equivalent to those given in the Basic Design Drafting certificate program will be built on to this more advanced level of skill.

**MAJOR COURSE REQUIREMENTS**

DDT 116 Blueprint Reading for Construction .....	3
DDT 128 Technical Drawing II.....	3
DDT 132 Basic Architectural Drafting.....	3
DDT 150 Theory of Residential Drawings & Design .....	3
DDT 155 Drawing for Residential Construction.....	4
DDT 222 Advanced Architectural Drafting .....	3
DDT 227 Strength of Materials.....	4
<b>TOTAL CREDITS .....</b>	<b>23</b>

**Programs of Study**

**DESIGN DRAFTING/ADVANCED  
COMPUTER AIDED DRAFTING**

Certificate

Program Code: CT.DDT.ADV.CAD

CIP Code: 15.1301

**Limestone Correctional Facility Only**

This certificate offers computer aided drafting to those persons who have manual drafting skills. Departmental approval is required before registration.

**MAJOR COURSE REQUIREMENTS**

DDT 104 Introduction to Computer Aided Drafting and Design.....	3
DDT 127 Intermediate Computer Aided Drafting and Design .....	3
DDT 231 Advanced CAD.....	4
DDT 232 CAD Customization.....	3
<b>TOTAL CREDITS .....</b>	<b>13</b>

**DESIGN DRAFTING /  
ELECTRO-MECHANICAL**

Certificate

Program Code: CT.DDT.ELECT.MECH

CIP Code: 15.1301

**Limestone Correctional Facility Only**

The Electro-Mechanical Drafting Certificate program offers the advanced drafting student concentrated studies in the specialty areas of mechanical design drafting, electronic drafting, and piping drafting. Coursework or skills and knowledge equivalent to those given in the Basic Design Drafting certificate program will be built on to this more advanced level of skill.

**MAJOR COURSE REQUIREMENTS**

DDT 115 Blueprint Reading for Machinists .....	3
DDT 117 Manufacturing Processes.....	3
DDT 118 Basic Electrical Drafting.....	3
DDT 119 Advanced Electronic Drafting .....	3
DDT 211 Intermediate Machine Drafting .....	3
DDT 214 Pipe Drafting .....	4
DDT 215 Geometric Dimensioning and Tolerancing.....	3
DDT 221 Advanced Machine Drafting.....	3
<b>TOTAL CREDITS .....</b>	<b>25</b>

**DESIGN DRAFTING / BASIC  
CIVIL-STRUCTURAL**

Certificate

Program Code: CT.DDT.BS.CIVIL

CIP Code: 15.1301

**Limestone Correctional Facility Only**

The Civil-Structural Basic Drafting Certificate program offers the advanced drafting student concentrated coursework and applications in the specialty areas of civil-structural drafting. Coursework or skills and knowledge equivalent to those given in the Basic Design Drafting certificate program will be built on to this more advanced level of skill.

**MAJOR COURSE REQUIREMENTS**

DDT 133 Basic Surveying.....	3
DDT 213 Civil Drafting, Plat Maps .....	3
DDT 223 Advanced Civil Drafting .....	3
DDT 224 Structural Concrete Drafting.....	3
DDT 225 Structural Steel Drafting .....	3
DDT 235 Specialized CAD.....	3
DDT 236 Design Project.....	3
DDT 240 Public Utility Drafting .....	3
<b>TOTAL CREDITS .....</b>	<b>24</b>

**HORTICULTURE/GENERAL**

Certificate

Program Code: CT.HORL

CIP Code: 01.0601

**Limestone Correctional Facility Only**

This program provides the student with a foundation in general horticulture including plant identification, propagating techniques, safe use and care of equipment, and other applications.

**MAJOR COURSE REQUIREMENTS**

HOC 111 Horticulture Business Management .....	3
HOC 115 Soils and Fertilizers .....	3
HOC 135 Ornamental Plant Identification and Culture .....	3
HOC 140 Ornamental Plant Pest Management .....	3
HOC 151 Irrigation Systems.....	3
HOC 230 Vegetable and Orchard Crops.....	3
<b>TOTAL CREDITS .....</b>	<b>18</b>

**SPECIAL PROGRAMS**

**HORTICULTURE/LANDSCAPE  
DEVELOPMENT**

Certificate

Program Code: CT.HORT.LNDSCAPE CIP Code: 01.0601

Limestone Correctional Facility Only

This certificate includes instruction in landscape design, installation, maintenance, and irrigation systems. The student will learn proper landscape theory, techniques, plant materials and their use, and should be able to pass state certification for employment in these areas. Coursework or skills and knowledge equivalent to those given in the General Horticulture certificate program are a prerequisite for entering this curriculum.

**MAJOR COURSE REQUIREMENTS**

HOC 125 Turfgrass Management .....	3
HOC 136 Residential Landscape Design.....	3
HOC 137 Commercial Landscape Design .....	3
HOC 167 Golf Course Maintenance .....	3
HOC 216 Landscape Maintenance .....	3
HOC 218 Landscape Construction.....	3
<b>TOTAL CREDITS .....</b>	<b>18</b>

**HORTICULTURE/NURSERY AND  
GREENHOUSE MANAGEMENT**

Certificate

Program Code: CT.HORT.NR.GREEN.MGT CIP Code: 01.0601

Limestone Correctional Facility Only

Topics included in this certificate include site analysis, types of greenhouses, crops and their culture, heating and cooling, fertilization, and watering. Coursework or skills and knowledge equivalent to those given in the General Horticulture certificate program are a prerequisite for entering this curriculum.

**MAJOR COURSE REQUIREMENTS**

HOC 120 Plant Propagation.....	3
HOC 130 Nursery Production .....	3
HOC 134 Introduction to Floriculture.....	2
HOC 175 Seminar in Horticulture .....	1
HOC 176 Advanced Studies in Horticulture .....	2
HOC 210 Greenhouse Management .....	3
HOC 211 Greenhouse Crop Production .....	3
<b>TOTAL CREDITS .....</b>	<b>17</b>

**MASONRY**

Certificate

Program Code: CT.MAS CIP Code: 46.0101

Limestone Correctional Facility Only

This program prepares the student for employment in the field of masonry. Included in this course are block and brick construction and blueprint reading.

**MAJOR COURSE REQUIREMENTS**

MAS 111 Masonry Fundamentals.....	3
MAS 121 Brick/Block Masonry .....	3
MAS 131 Residential/Commercial .....	3
MAS 151 Masonry Fundamentals Lab.....	3
MAS 152 Masonry Fundamentals Lab.....	3
MAS 161 Concrete Block Masonry .....	3
MAS 162 Brick Masonry Lab.....	3
MAS 171 Residential Commercial .....	3
<b>TOTAL CREDITS .....</b>	<b>24</b>

**UPHOLSTERY/BASIC**

Certificate

Program Code: CT.UPH.BASIC CIP Code: 48.0303

Limestone Correctional Facility Only

This program will cover basic techniques and information necessary for those students entering the field of upholstery.

**MAJOR COURSE REQUIREMENTS**

UPH 111 Upholstery Fundamentals and Design .....	3
UPH 112 Upholstery Design Furniture Lab.....	3
UPH 114 Upholstery Design Experimental Lab.....	3
UPH 121 Correlating Decorative Elements .....	3
UPH 131 Wood Repair and Refinishing.....	3
UPH 132 History of Furniture Styles.....	3
UPH 215 Shop Management and Layout.....	3
UPH 222 Interior Materials-Furniture .....	3
<b>TOTAL CREDITS .....</b>	<b>24</b>

**Programs of Study**

**UPHOLSTERY/AUTOMOTIVE  
INTERIOR AND TRIM**

Certificate

Program Code: CT.UPH.AUTO.TRIM CIP Code: 48.0303

**Limestone Correctional Facility Only**

This program gives the advanced upholstery student concentrated coursework in automotive upholstery. Coursework or skills and knowledge equivalent to those given in the Basic Upholstery certificate program are a prerequisite for entering this curriculum.

**MAJOR COURSE REQUIREMENTS**

UPH 113 Upholstery Design Auto Lab.....	3
UPH 123 Decorative Elements Auto Lab.....	3
UPH 211 Design Interiors Furniture and Auto .....	3
UPH 213 Design Interiors Auto Lab .....	3
UPH 221 Automotive Upholstery & Design .....	3
UPH 223 Interior Materials-Auto .....	3
UPH 224 Auto Upholstery Design Experimental Lab .....	3
UPH 226 Advanced Automotive Techniques .....	3
<b>TOTAL CREDITS .....</b>	<b>24</b>

**UPHOLSTERY/FURNITURE REPAIR  
AND REFINISHING**

Certificate

Program Code: CT.UPH.FURN.REP CIP Code: 48.0303

**Limestone Correctional Facility Only**

The Furniture Repair and Refinishing certificate program covers advanced furniture covering techniques, general repairs, touch-up work, and job estimates. Coursework or skills and knowledge equivalent to those given in the Basic Upholstery certificate program are a prerequisite for entering this curriculum.

**MAJOR COURSE REQUIREMENTS**

UPH 122 Decorative Elements Furniture Lab.....	3
UPH 124 Decorative Elements Experimental Lab .....	3
UPH 212 Design Interiors Furniture Lab.....	3
UPH 214 Design Interiors Experimental Lab .....	3
UPH 216 Draperies, Cornices, Bedding .....	3
UPH 217 Upholstery Crafts and Accessories.....	3
UPH 225 Advanced Furniture Techniques .....	3
UPH 227 Quilting Techniques and Design.....	3
<b>TOTAL CREDITS .....</b>	<b>24</b>

**WELDING/BASIC STRUCTURAL**

Certificate

Program Code: CT. WDT.BS.STRUCT CIP Code: 48.0508

**Limestone Correctional Facility Only**

The purpose of this program is to prepare students for employment in the welding industry, or to provide supplemental training for persons previously employed in this occupation.

**MAJOR COURSE REQUIREMENTS**

WDT 108 Shield Metal Arc/OFC Theory.....	3
WDT 110 Industrial Blueprint Reading .....	3
WDT 119 Gas Metal Arc/Flux Cored Arc Welding .....	3
WDT 120 Shield Metal Arc Welding Groove Theory .....	3
WDT 122 Shield Metal Arc Welding/OFC Lab .....	3
WDT 123 Shield Metal Arc Welding/PAC/CAC Lab .....	3
WDT 124 Gas Metal Arc/Flux Cored Arc Welding Lab .....	3
WDT 125 Shield Metal Arc Welding Groove Lab .....	3
<b>TOTAL CREDITS .....</b>	<b>24</b>

**WELDING TECHNOLOGY/BASIC PIPE**

Certificate

Program Code: CT.WDT.PIPE CIP Code: 48.0508

**Limestone Correctional Facility Only**

The purpose of this program is to prepare students for employment in the welding industry or to provide supplemental training for persons previously employed in this occupation. Coursework or skills and knowledge equivalent to those given in the Welding Technology/Basic Structural certificate program are a prerequisite for entering this curriculum.

**MAJOR COURSE REQUIREMENTS**

WDT 155 Gas Tungsten Arc Welding Carbon Pipe Lab .....	3
WDT 217 SMAW Carbon Pipe Theory .....	3
WDT 218 Certification Theory .....	3
WDT 228 Gas Tungsten Arc Welding Theory .....	3
WDT 257 SMAW Carbon Pipe Lab .....	3
WDT 258 Certification Lab .....	3
WDT 268 Gas Tungsten Arc Fillet Lab .....	3
WDT 269 Boiler Tube Lab .....	3
<b>TOTAL CREDITS .....</b>	<b>24</b>

**SPECIAL PROGRAMS**