ACADIANA TECHNICAL COLLEGE

CATALOG
August 2011 – July 2012

1101 BERTRAND DRIVE
LAFAYETTE, LOUISIANA 70506
Main Office - (337) 262-5962

www.acadiana.edu
A Louisiana Community and Technical College System member governed by the Louisiana Board of Regents

Credit Hour Programs

The credit hour programs approved to be offered at ATC are identified below. Levels that students may exit from the program with a credential are also listed. Program exit levels may vary by program and by campus.

ATC Program Inventory						
Campus Name	**CIP**	**Program Name**	**TCA**	**CTS**	**TD**	**AAS**
Acadian	470604	Automotive Technology	X	X	X	
Acadian	520401	Business Office Technology	X	X	X	
Acadian	490205	Commercial Vehicle Operations	X			
Acadian	470605	Diesel Powered Equipment Technology	X	X	X	
Acadian	151301	Drafting and Design Technology	X	X	X	
Acadian	480501	Machine Tool Technology	X	X	X	
Acadian	510801	Medical Assistant		X		
Acadian	512603	Medication Attendant Certified	X			
Acadian	511614	Nurse Assistant	X			
Acadian	512601	Patient Care Technician	X	X		
Acadian	510805	Pharmacy Technician		X		
Acadian	511009	Phlebotomy	X			
Acadian	511613	Practical Nursing	X		X	
Acadian	480508	Welding	X	X	X	
Charles B. Coreil	470604	Automotive Technology	X	X	X	
Charles B. Coreil	520401	Business Office Technology	X	X	X	
Charles B. Coreil	460302	Electrician	X	X	X	
Charles B. Coreil	510801	Medical Assistant		X		
Charles B. Coreil	51.2603	Medication Attendant Certified	X			
Charles B. Coreil	511614	Nurse Assistant	X			
Charles B. Coreil	512601	Patient Care Technician	X	X		
Charles B. Coreil	510805	Pharmacy Technician		X		
Charles B. Coreil	511613	Practical Nursing	X		X	
Charles B. Coreil	480508	Welding	X	X	X	
Evangeline	520401	Business Office Technology	X	X	X	
Evangeline	190709	Care and Development of Young Children	X	X	X	
Evangeline	460201	Carpentry	X	X	X	
Evangeline	470603	Collision Repair Technology	X	X	X	
Evangeline	512603	Medication Attendant Certified	X			
Evangeline	511614	Nurse Assistant	X			
Evangeline	512601	Patient Care Technician	X	X		
Evangeline	511009	Phlebotomy	X			
Evangeline	511613	Practical Nursing	X		X	
Evangeline	480508	Welding	X	X	X	
Gulf Area	520401	Business Office Technology	X	X	X	
Gulf Area	470104	Computer Electronics Technology		X	X	
Gulf Area	120401	Cosmetology	X		X	
Gulf Area	151301	Drafting and Design Technology	X	X	X	
Gulf Area	460302	Electrician	X	X	X	
Gulf Area	470303	Industrial/Agriculture Mechanics Technology	X	X	X	
Gulf Area	510801	Medical Assistant		X		

ATC Program Inventory						
Campus Name	CIP	Program Name	TCA	CTS	TD	AAS
Gulf Area	512603	Medication Attendant Certified	X			
Gulf Area	511614	Nurse Assistant	X			
Gulf Area	512601	Patient Care Technician	X	X		
Gulf Area	511613	Practical Nursing	X		X	
Gulf Area	480508	Welding	X	X	X	
Lafayette	470201	Air Conditioning & Refrigeration	X	X	X	
Lafayette	470604	Automotive Technology	X	X	X	
Lafayette Extension	470608	Aviation Maintenance Technology	X	X	X	X
Lafayette	120402	Barber-Styling			X	
Lafayette	520401	Business Office Technology/Administration	X	X	X	X
Lafayette	151102	Civil, Surveying and Mapping Technology	X	X	X	X
Lafayette	510802	Clinical Laboratory Assistant		X		
Lafayette	511004	Clinical Laboratory Technician				X
Lafayette	120503	Culinary Arts and Occupations	X	X	X	X
Lafayette	151301	Drafting and Design Technology	X	X	X	X
Lafayette	460302	Electrician	X	X	X	
Lafayette	100303	Graphics	X	X	X	X
Lafayette	110901	Info Comm Technology: Computer Network Specialist	X	X	X	X
Lafayette	111001	Info Comm Technology Computer/Networking Support	X	X	X	X
Lafayette	470105	Industrial Electronics Technology	X	X	X	
Lafayette	480501	Machine Tool Technology	X	X	X	
Lafayette	512603	Medication Attendant Certified	X			
Lafayette	510805	Pharmacy Technician		X		
Lafayette	511613	Practical Nursing	X		X	
Lafayette	510909	Surgical Technology				X
Lafayette	480508	Welding	X	X	X	
T. H. Harris	470201	Air Conditioning & Refrigeration	X	X	X	
T. H. Harris	520401	Business Office Technology	X	X	X	
T. H. Harris Ext.	470605	Diesel Powered Equipment Technology	X	X	X	
T. H. Harris	151301	Drafting and Design Technology	X	X	X	
T. H. Harris	460302	Electrician	X	X	X	
T. H. Harris	110901	Info Comm Technology: Computer Network Specialist	X	X	X	X
T. H. Harris	470105	Industrial Electronics Technology	X	X	X	X
T. H. Harris	480501	Machine Tool Technology	X	X	X	
T. H. Harris	512603	Medication Attendant Certified	X			
T. H. Harris	410204	Nondestructive Testing Technology	X	X	X	
T. H. Harris	511614	Nurse Assistant	X			
T. H. Harris	512601	Patient Care Technician	X	X		
T. H. Harris	510805	Pharmacy Technician		X		
T. H. Harris	511613	Practical Nursing	X		X	
T. H. Harris	480508	Welding	X	X	X	
Teche Area	470201	Air Conditioning & Refrigeration	X	X	X	
Teche Area	520401	Business Office Technology	X	X	X	
Teche Area	460201	Carpentry	X	X	X	
Teche Area	151301	Drafting and Design Technology	X	X	X	
Teche Area	460302	Electrician	X	X	X	

ATC Program Inventory						
Campus Name	**CIP**	**Program Name**	**TCA**	**CTS**	**TD**	**AAS**
Teche Area	490202	Heavy Equipment Operator	X	X		
Teche Area	111001	Info Comm Technology: Computer/Networking Support	X	X	X	X
Teche Area	470303	Industrial /Agriculture/Mechanics Technology	X	X	X	
Teche Area	470105	Industrial Electronics Technology	X	X	X	
Teche Area	480501	Machine Tool Technology	X	X	X	
Teche Area	511614	Nurse Assistant	X			
Teche Area	512601	Patient Care Technician	X	X		
Teche Area	510805	Pharmacy Technician		X		
Teche Area	511613	Practical Nursing	X		X	
Teche Area	480508	Welding	X	X	X	

ASSOCIATE
OF
APPLIED SCIENCE
DEGREE
PROGRAMS

Automotive Technology
Aviation Maintenance Technology
Business Office Technology
Care and Development of Young Children
Civil Surveying & Mapping Technology
Clinical Laboratory Technician
Computer Electronics Technology
Culinary Arts and Occupations
Drafting and Design Technology
Graphics
Industrial Electronics Technology
Information and Communication Technology: Computer Network Specialist
Information and Communication Technology: Computer/Networking Support
Surgical Technology

Note: Most AAS Degree programs have a technical diploma exit. The exit points are indicated in each curriculum. Complete program content can be found at www.ltc.edu.

Codes for exit points are as follows:

TCA - Technical Competency Area
CTS - Certificate of Technical Studies
TD - Technical Diploma
AAS - Associate of Applied Science

AUTOMOTIVE TECHNOLOGY
Associate of Applied Science Degree

The purpose of this program is to provide specialized classroom instruction and practical shop experience to prepare individuals to engage in the servicing and maintenance of all types of automobiles at the entry level. The program prepares the individual to select, safely use, and maintain hand and power tools, jacks, and hoisting equipment. Instruction in the diagnosis of malfunctions and the repair of engines; fuel, electrical, cooling, and brake systems; drive train; and suspension systems is included. The competencies in the automotive technology program are directly correlated with the knowledge required to prepare an individual for the certification test given by the National Institute for Automotive Service Excellence (ASE). The content is organized into competency-based courses of instruction that specify occupational competencies the individual must successfully complete according to the priorities for tasks established by the National Automotive Technicians Education Foundation (NATEF).

ASE CERTIFICATION PREPARATORY COURSES

The technical courses in the Automotive Technology program are divided into nine (9) concentrations. The Basic Automotive Skills course should be taken prior to beginning any of the additional eight (8) areas of certification, which are arranged to prepare an individual for ASE certification.

Upon successful completion of each of the eight (8) areas of certification, a TCA certificate may be awarded for each specific area.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**75 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read- 80; Math – 56; Engl./Writ. - 68 ACT Scores: Read – 18; Math – 19; Engl. - 18**
Approximate Total Cost of Books and Supplies:	**$1,591.75**
Licensure/Certification:	**DaimlerChrysler College Automotive Program (CAP) available.**

Course Number	Course Title	Total Credit Hours
ORNT1000	FRESHMAN SEMINAR	1
AUTO1100	GENERAL ENGINE DIAGNOSIS AND REPAIR	2
AUTO1110	CYLINDER HEAD AND VALVE TRAIN DIAGNOSIS AND REPAIR	1
AUTO1120	ENGINE BLOCK ASSEMBLY DIAGNOSIS AND REPAIR	1
AUTO1130	LUBRICATION AND COOLING SYSTEM DIAGNOSIS AND REPAIR	1
	TCA - Engine Repair Technician	**6**
AUTO1200	GENERAL TRANSMISSION AND TRANSAXLE DIAGNOSIS	1
AUTO1210	TRANSMISSION AND TRANSAXLE MAINTENANCE	1

AUTO1220	IN VEHICLE REPAIR	1
AUTO1230	OFF-VEHICLE TRANSMISSION AND TRANSAXLE REPAIR I	1
AUTO1240	OFF-VEHICLE TRANSMISSION AND TRANSAXLE REPAIR II	1
	TCA - Automatic Transmission & Transaxle Technician	5
AUTO1300	DRIVE TRAIN AND CLUTCH DIAGNOSIS AND REPAIR	1
AUTO1310	TRANSMISSION AND TRANSAXLE DIAGNOSIS AND REPAIR	1
AUTO1320	DRIVE AND HALF SHAFT AND UNIVERSAL JOINT REPAIR	1
AUTO1330	DRIVE AXLE DIAGNOSIS AND REPAIR	1
AUTO1340	FOUR AND ALL-WHEEL DRIVE DIAGNOSIS AND REPAIR	1
	TCA - Manual Drive Train Technician	5
AUTO1400	GENERAL STEERING AND SUSPENSION DIAGNOSIS	1
AUTO1410	STEERING SYSTEM DIAGNOSIS AND REPAIR	1
AUTO1420	SUSPENSION SYSTEMS DIAGNOSIS AND REPAIR	1
AUTO1430	WHEEL ALIGNMENT DIAGNOSIS AND REPAIR	1
AUTO1440	WHEEL AND TIRE DIAGNOSIS AND REPAIR	1
	TCA - Steering & Suspension Technician	5
AUTO1500	HYDRAULIC SYSTEMS DIAGNOSIS AND REPAIR	1
AUTO1510	DRUM BRAKE DIAGNOSIS AND REPAIR	1
AUTO1520	DISC BRAKE DIAGNOSIS AND REPAIR	1
AUTO1530	POWER ASSIST DIAGNOSIS AND REPAIR	1
AUTO1540	ANTILOCK AND TRACTION CONTROL DIAGNOSIS AND REPAIR	1
	TCA - Brake Technician	5
AUTO1600	GENERAL ELECTRICAL SYSTEM DIAGNOSIS	2
AUTO1610	BATTERY DIAGNOSIS AND REPAIR	1
AUTO1620	STARTING SYSTEMS DIAGNOSIS AND REPAIR	2
AUTO1630	CHARGING SYSTEMS DIAGNOSIS AND REPAIR	2
AUTO1640	LIGHTING SYSTEMS, GAUGES, WARNING DEVICES, AND DRIVER INFORMATION DIAGNOSIS AND REPAIR	1
AUTO1650	HORN AND WIPER/WASHER DIAGNOSIS AND REPAIR	1
AUTO1660	ELECTRICAL ACCESSORIES DIAGNOSIS AND REPAIR	1
	TCA - Electrical Technician	10
AUTO1700	HVAC SYSTEM DIAGNOSIS AND REPAIR	1
AUTO1710	REFRIGERATION SYSTEM COMPONENT DIAGNOSIS AND REPAIR	1
AUTO1720	HEATING AND VENTILATION SYSTEM COMPONENT DIAGNOSIS AND REPAIR	1
AUTO1730	OPERATING SYSTEMS AND RELATED CONTROLS	1
AUTO1740	REFRIGERANT RECOVER, RECYCLING, AND HANDLING	1
	TCA - Heating and Air Conditioning Technician	5
AUTO1800	GENERAL ENGINE DIAGNOSIS	3

AUTO1810	COMPUTERIZED ENGINE CONTROLS DIAGNOSIS AND REPAIR	3
AUTO1820	IGNITION SYSTEMS DIAGNOSIS AND REPAIR	2
AUTO1830	FUEL, AIR INDUCTION, AND EXHAUST SYSTEMS	2
AUTO1840	EMISSIONS SYSTEMS DIAGNOSIS AND REPAIR	3
AUTO1850	ENGINE RELATED SERVICES	2
	TCA - Engine Performance Technician	**15**
JOBS2450	JOB SEEKING SKILLS	2
CPTR1000	INTRODUCTION TO COMPUTERS	2
	TD - Automotive Technician	**60**
	GENERAL ELECTIVES	
AUTO1150	AUTOMOTIVE INTERNSHIP I	4
AUTO1250	AUTOMOTIVE INTERNSHIP II	4
AUTO1350	AUTOMOTIVE INTERNSHIP III	2
AUTO1450	AUTOMOTIVE INTERNSHIP IV	5
AUTO1550	AUTOMOTIVE INTERNSHIP V	5
AUTO1670	AUTOMOTIVE INTERNSHIP VI	4
	Transferable General Education Courses Required for AAS	
ENGL1015	ENGLISH COMPOSITION I	3
MATH1015	COLLEGE ALGEBRA	3
PSYC2015	INTRODUCTION TO PSYCHOLOGY	3
PHSC1015	PHYSICAL SCIENCE I	3
SPCH1015	INTRODUCTION TO PUBLIC SPEAKING	3
	AAS - Automotive Technology	**75**
	Optional Elective	
CSRV1000	CUSTOMER SERVICE	3
	The following courses may not be substituted for the above course requirements	
AUTO2991	SPECIAL PROJECTS I	1
AUTO2993	SPECIAL PROJECTS II	2
AUTO2995	SPECIAL PROJECTS III	3
AUTO2996	SPECIAL PROJECTS IV	3
AUTO2997	PRACTICUM	3
AUTO2999	COOPERATIVE EDUCATION	3

Upon successful completion of each of the eight (8) areas of certification, a TCA certificate may be awarded for each specific area.

CTS's may be awarded as follows:

CTS Electrical Technician   25 credits
    Complete TCA Electrical Technician and any three (3) of the following TCAs:
        TCA – Engine Repair Technician
        TCA – Automatic Transmission & Transaxle Technician
        TCA – Manual Drive Train Technician
        TCA – Steering and Suspension Technician
        TCA – Brake Technician
        TCA – Heating and Air Conditioning Technician

CTS – Engine Performance Technician   25 credits
    Complete the following TCAs:
        TCA – Electrical Technician
        TCA – Engine Performance Technician

CTS – Power Train Technician   25 credits
    Complete five (5) of the following TCAs
        TCA – Engine Repair Technician
        TCA – Automatic Transmission & Transaxle Technician
        TCA – Manual Drive Train Technician
        TCA – Steering and Suspension Technician
        TCA – Brake Technician
        TCA – Heating and Air Conditioning Technician

AVIATION MAINTENANCE TECHNOLOGY
Extension Campus: 205 Shepard Dr., Lafayette, LA 70508
Associate of Applied Science Degree

The Aviation Maintenance Technology program prepares students for certification by the Federal Aviation Administration as an Airframe and Powerplant mechanic. The certification process consists of three written computerized tests detailing the General, Airframe and Powerplant sections. In addition, three separate oral and practical tests are administered by an FAA designated examiner. Upon successful completion of the testing requirements, the graduate is awarded the FAA-A&P Mechanic Certificate.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**75 Semester Credit Hours for Exit in Airframe and Powerplant**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements: (required)	**COMPASS Scores: Read -80; Math - 56; Engl./Writ. – 68 ACT Scores: Read. - 20; Math - 19; Engl./Writ. – 18**
Approximate Total Cost of Books and Supplies:	**$942.17**
Licensure/Certification:	**Airframe Certification / Powerplant Certification issued by Federal Aviation Administration**

Course Number	Course Title	Total Credit Hours
ORNT1000	FRESHMAN SEMINAR	1
AMTG1010	AIRCRAFT MATH & PHYSICS	1
AMTG1020	AIRCRAFT DRAWINGS	1
AMTG1030	GROUND OPERATION AND SERVICING	1
AMTG1040	MATERIALS AND PROCESSES	2
AMTG1050	FLUID LINES AND FITTINGS	1
AMTG1060	CLEANING AND CORROSION CONTROL	1
AMTG1070	WEIGHT AND BALANCE	1
AMTG1080	DOCUMENTS & REGULATIONS	1
AMTG1100	AIRCRAFT FUEL SYSTEMS	1
AMTG1110	AIRCRAFT AND ENGINE FIRE PROTECTION	1
	TCA - Aviation Maintenance Helper	**12**
	Courses listed above should be completed prior to the airframe or powerplant sections	
	NOTE: TCA coupled with one additional grouping of courses below will lead to the CTS indicated.	
AMTG1090	BASIC ELECTRICITY	3
AMTA2010	WOOD STRUCTURES AND COVERING	1
AMTA2020	AIRCRAFT FINISHES	1
AMTA2031	AIRCRAFT STRUCTURES	4
AMTA2050	WELDING	1
AMTA2060	ASSEMBLY AND RIGGING	2

	CTS - Airframe Structures Mechanic	**12**
AMTA2070	HYDRAULICS AND PNEUMATICS	2
AMTA2080	LANDING GEAR & POSITION/WARNING SYSTEM	2
AMTA2090	AIRCRAFT ELECTRICAL SYSTEMS	2
AMTA2100	AIRCRAFT INSTRUMENTS	1
AMTA2110	COMMUNICATION AND NAVIGATION SYSTEM	1
AMTA2120	CABIN ATMOSPHERE	1
AMTA2130	ICE AND RAIN	1
AMTA2140	AIRFRAME INSPECTION	1
	CTS - Airframe Technician	**11**
AMTP2210	RECIPROCATING ENGINES	3
AMTP2220	TURBINE ENGINES & APU	3
AMTP2230	INDUCTION & ENGINE AIRFLOW SYSTEMS	1
AMTP2240	EXHAUST (REVERSER) AND COOLING SYSTEMS	1
AMTP2250	LUBRICATION SYSTEMS	1
	CTS - Basic Engine Mechanic	**9**
AMTP2260	ENGINE ELECTRICAL SYSTEMS	2
AMTP2270	ENGINE INSTRUMENTS	1
AMTP2280	IGNITION AND STARTING SYSTEMS	2
AMTP2290	FUEL METERING SYSTEMS	3
AMTP2300	PROPELLERS AND ROTORS	3
AMTP2310	ENGINE INSPECTION	1
	CTS - Powerplant Technician	**12**
CPTR1000	INTRODUCTION TO COMPUTERS	2
JOBS2450	JOB SEEKING SKILLS	2
	TD - Aviation Maintenance Technology Airframe/Powerplant	**60**
	Transferable General Education Courses Required for AAS	
ENGL1015	ENGLISH COMPOSITION I	3
MATH1015	COLLEGE ALGEBRA	3
PSYC2015	INTRODUCTION TO PSYCHOLOGY	3
PHSC1015	PHYSICAL SCIENCE I	3
SPCH1015	INTRODUCTION TO PUBLIC SPEAKING	3
	AAS - Aviation Maintenance Technology	**75**
	Optional Elective	
CSRV1000	CUSTOMER SERVICE	3

The following courses may not be substituted for the above course requirements

AMTP2991	**SPECIAL PROJECTS I**	**1**
AMTP2993	**SPECIAL PROJECTS II**	**2**
AMTP2995	**SPECIAL PROJECTS III**	**3**
AMTP2996	**SPECIAL PROJECTS IV**	**3**
AMTP2997	**PRACTICUM**	**3**
AMTP2999	**COOPERATIVE EDUCATION**	**3**

Business Office Administration
Associate of Applied Science Degree
(Pending Approval)

This program prepares individuals to provide technical support to professional accountants and other management personnel. It includes instruction in general accounting principles and practices, posting transactions to accounts, record-keeping systems, and accounting software operation.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**69 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read- 80; Math – 56; Engl./Writ. - 68** **ACT Scores: Read – 18; Math – 19; Engl. - 18**
Approximate Total Cost of Books and Supplies:	**$1,295.60**
Licensure/Certification:	**None**

The following courses are Pre-requisite courses for all exit points:

CPTR1002	**COMPUTER LITERACY & APPLICATIONS**	**3**
KYBD1010	**INTRODUCTORY KEYBOARDING**	**3**

Course Number	Course Title	Total Credit Hours
ORNT1000	**FRESHMAN SEMINAR**	**1**
CSRV1000	**CUSTOMER SERVICE**	**3**
BUSE1030	**BUSINESS ENGLISH**	**3**
KYBD1111	**INTRODUCTION TO FORMATTING**	**3**
OSYS1100	**RECORDS MANAGEMENT**	**3**
	TCA - General Clerk	**13**

The TCA –General Clerk PLUS the following courses comprise the GENERAL OFFICE CONCENTRATION.

ACCT1100	**PRINCIPLES OF ACCOUNTING, PART I**	**3**
BUSM1050	**BUSINESS MATH**	**3**
BUSE1045	**BUSINESS COMMUNICATION**	**3**
CPTR1320	**SPREADSHEETS**	**3**
CPTR1310	**DATABASE MANAGEMENT**	**3**
ISIS1440	**WORD PROCESSING**	**3**
ACCT1200	**PRINCIPLES OF ACCOUNTING, PART II**	**3**
	CTS – Office Assistant Specialist	**34**
ISYS1650	**DESKTOP PUBLISHING**	**3**
MACH1350	**MACHINE TRANSCRIPTION**	**3**
OSYS2530	**OFFICE PROCEDURES**	**3**
JOBS2450	**JOB SEEKING SKILLS**	**2**

	ELECTIVES	**9**
	TD – Business Office Technology (General Office Concentration)	**54**

> The TCA-General Clerk PLUS the CTS-Office Assistant Specialist PLUS the following courses comprise the COMUTER APPLICATIONS CONCENTRATION.

CPTR1200	**INTRODUCTION TO OPERATING SYSTEMS**	**3**
CPTR1600	**PRESENTATION SOFTWARE**	**3**
CPTR1400	**INTRODUCTION TO NETWORKING TECHNOLOGIES**	**3**
CPTR2650	**ADVANCED DATABASE APPLICATION**	**3**
JOBS2450	**JOB SEEKING SKILLS**	**2**
	ELECTIVES	**6**
	TD – Business Office Technology (Computer Applications	**54**

> The TCA -General Clerk PLUS the following courses comprise the ACCOUNTING CONCENTRATION.

ACCT1100	**PRINCIPLES OF ACCOUNTING, PART I**	**3**
ACCT1200	**PRINCIPLES OF ACCOUNTING, PART II**	**3**
BUSM1050	**BUSINESS MATH**	**3**
BUSE1045	**BUSINESS COMMUNICATION**	**3**
CPTR1320	**SPREADSHEETS**	**3**
ISYS1440	**WORD PROCESSING**	**3**
OSYS1250	**BUSINESS CALCULATORS**	**3**
	CTS – Accounting Office Specialist	**34**
ACCT1250	**PAYROLL ACCOUNTING**	**3**
ACCT1300	**INTERMEDIATE ACCOUNTING**	**3**
ACCT1400	**ADVANCED ACCOUNTING**	**3**
ACCT1500	**COMPUTERIZED ACCOUNTING**	**3**
CPTR1310	**DATABASE MANAGEMENT**	**3**
JOBS2450	**JOB SEEKING SKILLS**	**2**
	ELECTIVE	**3**
	TD – Business Office Technology (Accounting Concentration)	**54**

> The TCA – General Clerk PLUS the following courses comprise the MEDICAL OFFICE CONCENTRATION.

BOTH1300	**MEDICAL OFFICE TERMINIOLOGY**	**3**
BOTH1120	**GENERAL BODY STRUCTURE**	**3**
BOTH1210	**ADMINISTRATIVE PROCEDURES FOR MEDICAL OFFICES**	**3**
ACCT1100	**PRINCIPLES OF ACCOUNTING, PART I**	**3**
BUSM1050	**BUSINESS MATH**	**3**
BUSE1045	**BUSINESS COMMUNICATION**	**3**
BOTH2110	**MEDICAL OFFICE TRANSCRIPTION**	**3**
	CTS – Medical Office Specialist	**34**

BOTH1230	INSURANCE BILLING	3
BOTH1240	CODING	3
ACCT1200	PRINCIPLES OF ACCOUNTING, PART II	
	OR	
BOTH1250	ADVANCED CODING	3
JOBS2450	JOB SEEKING SKILLS	2
	ELECTIVES	9
	TD –Business Office Technology (Medical Office Concentration)	**54**
	Additional Exit Points	
BOTH1120	GENERAL BODY STRUCTURE	3
BOTH1300	MEDICAL OFFICE TERMINOLOGY	3
BOTH1230	INSURANCE BILLING	3
BOTH1240	CODING	3
BOTH1250	ADVANCED CODING	3
	TCA – Medical Records/Billing Clerk	**15**
BOTH1210	ADMINISTRATIVE PROCEDURES FOR MEDICAL OFFICES	3
OSYS1100	RECORDS MANAGEMENT	3
BOTH2110	MEDICAL OFFICE TRANSCRIPTION	3
	CTS – Medical Records/Billing Specialist	**24**

> The TCA – General Clerk PLUS the following courses comprise the LEGAL OFFICE CONCENTRATION.

ACCT1100	PRINCIPLES OF ACCOUNTING, PART I	3
ACCT1200	PRINCIPLES OF ACCOUNTING, PART II	3
BUSM1050	BUSINESS MATH	3
BUSI1000	BUSINESS LAW	3
BUSE1045	BUSINESS COMMUNICATION	3
BOTL1300	LEGAL TERMINOLOGY	3
BOTL2110	LEGAL TRANSCRIPTION	3
	CTS – Legal Office Specialist	**34**
CPTR1320	SPREADSHEETS	3
ACCT1500	COMPUTERIZED ACCOUNTING	3
BOTL1210	LEGAL ADMINISTRATIVE PROCEDURES	3
JOBS2450	JOB SEEKING SKILLS	2
	ELECTIVES	9
	TD – Business Office Technology (Legal Office Concentration)	**54**
	Any TD concentration PLUS the following transferable general education courses will earn the AAS:	
ENGL1015	ENGLISH COMPOSITION I	3
MATH1015	COLLEGE ALGEBRA	3
PSYC2015	INTRODUCTION TO PSYCHOLOGY	3

PHSC1015	PHYSICAL SCIENCE I	3
SPCH1015	INTRODUCTION TO PUBLIC SPEAKING	3
	AAS – BUSINESS OFFICE ADMINISTRATION	**69**
	<u>Additional Exit Points</u>	
ORNT1000	FRESHMAN SEMINAR	1
BUSE1030	BUSINESS ENGLISH	3
BUSE1045	BUSINESS COMMUNICATION	3
CSRV1000	CUSTOMER SERVICE	3
CCRV1000	TELEPHONE SALES & SKILLS	3
CCRV1100	CALL CENTER PROCEDURES	3
JOBS2450	JOB SEEKING SKILLS	2
	TCA – Call Center Representative	**18**
ORNT1000	FRESHMAN SEMINAR	1
KYBD1111	BUSINESS MATH	3
HURM1000	BANK TELLER PROCEDURES	3
HURM1100	CUSTOMER SERVICE	3
HURM1200	BUSINESS CALCULATORS	3
HURM1300	PRINCIPLES OF ACCOUNTING, PART I	3
JOBS2450	JOB SEEKING SKILLS	2
	TCA – Bank Teller	**18**
	Optional Electives	
CSRV2000	CUSTOMER SERVICE & SALES	3
ENTP1000	FOUNDATIONS OF ENTRPRENEURSHIP	3
	The following courses may not be substituted for the above course requirements without approval from the Chief Academic Officer.	
SPPR2991	SPECIAL PROJECTS I	1
SPPR2993	SPECIAL PROJECTS II	2
SPPR2995	SPECIAL PROJECTS III	3
SPPR2996	SPECIAL PROJECTS IV	3
SPPR2997	PRACTICUM	3
SPPR2999	COOPERATIVE EDUCATION	3

Care and Development of Young Children
Associate of Applied Science Degree

The Care and Development of Young Children program prepares individuals for various levels of employment in child care centers, nursery schools, recreation centers, public school settings, head start programs, or other areas where caring for young children is the principal function. This program focuses on cognitive, physical, emotional, and social growth and development. Developmentally appropriate play activities, curriculum, nutrition, guidance, health/safety, children with special needs, and approaches for teaching as suggested by the National Association for the Education of Young Children (NAEYC) are included.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**75 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -80; Math - 56; Engl./Writ. – 68 ACT Scores: Read - 18; Math - 19; Engl./Writ. - 18**
Approximate Total Cost of Books and Supplies:	**$854.28**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
CDYC1110	**INTRODUCTION TO CARE & DEVELOPMENT OF YOUNG CHILDREN**	**3**
	TCA – Basic Care Giver I	**3**
ORNT1000	**FRESHMAN SEMINAR**	**1**
CDYC1120	**CHILD HEALTH, FIRST AID & SAFETY**	**2**
CDYC1130	**CHILD GUIDANCE AND BEHAVIORS**	**3**
CDYC1151	**OBSERVATION/PARTICIPATION LAB/WORK BASED LEARNING**	**3**
	TCA - Basic Caregiver II	**9**
CDYC1210	**INFANT/TODDLER GROWTH AND DEVELOPMENT**	**3**
CDYC1220	**INFANT/TODDLER CARE AND CURRICULUM**	**3**
CDYC1241	**INFANT/TODDLER LAB/WORK BASED LEARNING**	**3**
CDYC1140	**NUTRITION FOR CHILDREN**	**3**
	TCA - Basic Infant/Toddler Caregiver	**12**
	CTS - Child Care Teacher I (Includes TCA-Basic Caregiver I and II and TCA-Basic Infant/Toddler Caregiver)	**24**
CDYC1310	**PRESCHOOL GROWTH AND DEVELOPMENT**	**2**
CDYC1320	**PRESCHOOL CURRICULUM**	**3**
CDYC1341	**PRESCHOOL LAB/WORK BASED LEARNING**	**3**
CDYC1410	**CHILDREN WITH SPECIAL NEEDS/LAB**	**3**

	TCA - Basic Preschool Caregiver	**11**
CDYC1330	**LITERATURE/LANGUAGE METHODS**	**3**
CDYC1332	**MATH/SCIENCE METHODS**	**3**
CDYC1333	**SOCIAL STUDIES/THE ARTS METHODS**	**3**
	TCA - Basic Preschool Teacher	**9**
	CTS - Child Care Teacher II (Includes TCA-Basic Preschool Caregiver and TCA-Basic Preschool Teacher)	**20**
CDYC1420	**ORGANIZATION & ADMINISTRATION OF CARE & DEVELOPMENT OF YOUNG CHILDREN/LAB**	**3**
CDYC2211	**PRACTICUM IN CARE & DEVELOPMENT OF YOUNG CHILDREN**	**6**
CDYC1230	**FAMILY RELATIONSHIPS AND ISSUES**	**3**
	TCA – Care & Development Specialist	**12**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
JOBS2450	**JOB SEEKING SKILLS**	**2**
	TD – Care & Development of Young Children	**60**
	Transferable General Education Courses Required for AAS	
ENGL1015	**ENGLISH COMPOSITION I**	**3**
MATH1015	**COLLEGE ALGEBRA**	**3**
PSYC2015	**INTRODUCTION TO PSYCHOLOGY**	**3**
PHSC1015	**PHYSICAL SCIENCE I**	**3**
SPCH1015	**INTRODUCTION TO PUBLIC SPEAKING**	**3**
	AAS – Care and Development of Young Children	**75**
	Optional Elective	
CSRV1000	**CUSTOMER SERVICE**	**3**
	The following courses may not be substituted for the above course requirements	
CDYC2991	**SPECIAL PROJECTS I**	**1**
CDYC2993	**SPECIAL PROJECTS II**	**2**
CDYC2995	**SPECIAL PROJECTS III**	**3**
CDYC2996	**SPECIAL PROJECTS IV**	**3**
CDYC2997	**PRACTICUM**	**3**
CDYC2999	**COOPERATIVE EDUCATION**	**3**
CDYC1340	**MUSIC AND MOTION**	**3**

CIVIL, SURVEYING & MAPPING TECHNOLOGY

Associate of Applied Science Degree
(Pending Approval)

The purpose of this program is to provide students with the training and skills needed to be skilled technicians in the field of Civil Technology.   Upon completing the program, students will enter the workforce as surveying technicians, computer-aided drafting technicians, and/or quality control technicians.

A high school education or equivalent is required for admission to this program.

Enrollment Schedule:	**Every Semester**
Length of Program:	**69 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -80; Math - 56; Engl./Writ. – 68**
	ACT Scores: Read - 18; Math - 19; Engl./Writ. - 18
Approximate Total Cost of Books and Supplies:	**$2,053.13**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	**FRESHMAN SEMINAR**	**1**
CIVL1150	**APPLIED TECHNICAL MATH FOR CIVIL, SURVEY & MAPPING**	**3**
CIVL1120	**SURVEYING I LECTURE**	**3**
CIVL1121	**SURVEYING I LAB**	**1**
CIVL1141	**BASIC DRAFTING**	**2**
CIVL1240	**APPLIED TRIGONOMETRY FOR CIVIL, SURVEY & MAPPING**	**3**
CIVL1220	**SURVEYING II LECTURE**	**3**
CIVL1221	**SURVEYING II LAB**	**1**
CIVL1320	**SURVEYING III LECTURE**	**3**
CIVL1321	**SURVEYING III LAB**	**1**
CIVL1330	**LOUISIANA SURVEY LAW**	**2**
CIVL1410	**SURVEYING IV LECTURE**	**2**
CIVL1411	**SURVEYING IV LAB**	**1**
CIVL1420	**REMOTE SENSING**	**2**
CIVL1430	**LEGAL PRINCIPLES OF SURVEYING**	**3**
CIVL1441	**COMPUTER AIDED DRAFTING**	**2**
CIVL 2520	**ADVANCED SURVEY PRACTICE**	**3**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
CIVL1460	**DATA COLLECTION & PROCESSING**	**3**
CIVL2620	**U.S. PUBLIC LAND SURVEYS**	**3**
CIVL2630	**HIGHWAY PLAN READING**	**2**
JOBS2450	**JOB SEEKING SKILLS**	**2**

	ELECTIVES	**6**
	TD – Civil, Surveying & Mapping Technology – Surveying and Mapping Concentration	**54**
	ELECTIVES: Surveying & Mapping Concentration	
CIVL1470	**INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS**	3
CIVL1480	**REAL PROPERTY/LAND DEVELOPMENT**	3
CIVL2551	**COMPUTER SOFTWARE (SURVEYING APPLICATIONS)**	2
CIVL2560	**HYDROGRAPHIC SURVEYING**	3
	Optional TD Concentration – Civil Engineering Technician	
ORNT1000	**FRESHMAN SEMINAR**	1
CPTR1000	**INTROCUTION TO COMPUTERS**	2
CIVL1150	**APPLIED TECHNICAL MATH FOR CIVIL, SURVEY & MAPPING**	3
CIVL1120	**SURVEYING I LECTURE**	3
CIVL1121	**SURVEYING I LAB**	1
CIVL1130	**CONCRETE LECTURE**	2
CIVL1131	**CONCRETE LAB**	1
CIVL1141	**BASIC DRAFTING**	2
CIVL1240	**APPLIED TRIGONOMETRY FOR CIVIL, SURVEY & MAPPING**	3
CIVL1220	**SURVEYING II LECTURE**	3
CIVL1221	**SURVEYING II LAB**	1
CIVL1230	**ASPHALT LECTURE**	2
CIVL1231	**ASPHALT LAB**	1
CIVL 1320	**SURVEYING III LECTURE**	3
CIVL1321	**SURVEYING III LAB**	1
CIVL1340	**SOIL MECHANICS LECTURE**	2
CIVL1341	**SOIL MECHANICS LAB**	1
CIVL1441	**COMPUTER AIDED DRAFTING**	2
CIVL1510	**STATICS/STRENGTH OF MATERIALS**	3
CIVL2410	**ENVIRONMENTAL ENGINEERING**	3
JOBS2450	**JOB SEEKING SKILLS**	2
	ELECTIVES	12
	TD – Civil, Surveying & Mapping – Civil Engineering Technician Concentration	**54**
	ELECTIVES: Civil Engineering Technician Concentration	
CIVL2420	**HYDROLOGY**	3
CIVL2430	**HYDRAULICS**	3
	Transferable general Education Courses Required for AAS	
ENGL1015	**ENGLISH COMPOSITION I**	3
MATH1015	**COLLEGE ALGEBRA**	3
PSYC2015	**INTRODUCTION TO PSYCHOLOGY**	3

PHYS1015	**INTRODUCTION TO PHYSICS**	3
SPCH1015	**INTRODUCTION TO PUBLIC SPEAKING**	3
	AAS – Civil, Surveying & Mapping Technology	69
	Optional Electives	
CSRV1000	**CUSTOMER SERVICE**	3
CIVL2700	**CERTIFIED SURVEY TECHNICIAN REVIEW – LEVEL I**	1
CIVL2710	**CERTIFIED SURVEY TECHNICIAN REVIEW – LEVEL II**	1
CIVL2720	**CERTIFIED SURVEY TECHNICIAN REVIEW – LEVEL III**	1
CIVL2730	**CERTIFIED SURVEY TECHNICIAN REVIEW – LEVEL IV**	1
	With approval from the Chief Academic Officer, the following courses may be substituted for any of the above required courses.	
CIVL2991	**SPECIAL PROJECTS I**	1
CIVL2993	**SPECIAL PROJECTS II**	2
CIVL2995	**SPECIAL PROJECTS III**	3
CIVL2996	**SPECIAL PROJECTS IV**	3
CIVL2998	**SPECIAL PROJECTS V**	1
CIVL2997	**PRACTICUM**	3
CIVL2999	**COOPERATIVE EDUCATION**	3
	Certificate Exit Levels	
ORNT1000	**FRESHMAN SEMINAR**	1
CIVL1130	**CONCRETE LECTURE**	2
CIVL1131	**CONCRETE LAB**	1
CIVL1230	**ASPHALT LECTURE**	2
CIVL1231	**ASPHALT LAB**	1
CIVL1340	**SOIL MECHANICS LECTURE**	2
CIVL1341	**SOIL MECHANICS LAB**	1
CIVL1141	**BASIC DRAFTING**	2
	TCA – Quality Control Technician	12
ORNT1000	**FRESHMAN SEMINAR**	1
CIVL1150	**APPLIED TECHNICAL MATH FOR CIVIL, SURVEY & MAPPING**	3
CIVL1120	**SURVEYING I LECTURE**	3
CIVL1121	**SURVEYING I LAB**	1
CIVL1141	**BASIC DRAFTING**	2
CIVL1240	**APPLIED TRIGONOMETRY FOR CIVIL, SURVEY & MAPPING**	3
CIVL1220	**SURVEYING II LECTURE**	3
CIVL1221	**SURVEYING II LAB**	1
CIVL1320	**SURVEYING III LECTURE**	3
CIVL1321	**SURVEYING III LAB**	1
CIVL1330	**LOUISIANA SURVEY LAW**	2
	CTS – Survey Technician Assistant	23

ORNT1000	**FRESHMAN SEMINAR**	**1**
CIVL1130	**CONCRETE LECTURE**	**2**
CIVL1131	**CONCRETE LAB**	**1**
CIVL1230	**ASPHALT LECTURE**	**2**
CIVL1231	**ASPHALT LAB**	**1**
CIVL1340	**SOIL MECHANICS LECTURE**	**2**
CIVL1341	**SOIL MECHANICS LAB**	**1**
CIVL1470	**INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS**	**3**
CIVL1480	**REAL PROPERTY/LAND DEVELOPMENT**	**3**
CIVL2560	**HYDROGRAPHIC SURVEYING**	**3**
	CTS - Civil Engineering Assistant	**19**

CLINICAL LABORATORY TECHNICIAN
Associate of Applied Science Degree

Through classroom instruction and clinical experiences this program prepares individuals to perform diagnostic tests and procedures in a clinical laboratory under the supervision of medical technologists and pathologists.

This program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) and the American Medical Association (AMA). Graduates are eligible to take the National Examination administered by the National Certification Agency (NCA) for medical laboratory personnel and the Medical Laboratory Technician Registry of the American Society of Clinical Pathologists (ASCP).

A high school education or equivalent is required for admission to this program.

Enrollment Schedule:	**Every August**
Length of Program:	**72 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -80; Math - 56; Engl./Writ. – 68** **ACT Scores: Read - 18; Math - 19; Engl./Writ. - 18**
Approximate Total Cost of Books and Supplies:	$2,053.13
Licensure/Certification:	**Medical Laboratory Technical License issued by the Louisiana State Board of Medical Examiners, Laboratory Personnel Committee. A temporary license of one year can be obtained without certification. The National Certification is a requirement for State licensure, but not for graduation from the program.**

Course Number	Course Title	Total Credit Hours
ORNT1000	FRESHMAN SEMINAR	1
CPTR1000	INTRODUCTION TO COMPUTERS	2
CLTS1030	INTRODUCTION TO CLINICAL LABORATORY SCIENCE	2
CHEM1410	GENERAL CHEMISTRY	3
HBIO1130	MICROBIOLOGY	3
HBIO1131	MICROBIOLOGY LAB	1
CLTS2610	CLINICAL MICROBIOLOGY	4
CLTS2611	CLINICAL MICROBIOLOGY LAB	1
CLTS2000	CLINICAL CHEMISTRY I	4
CLTS2200	IMMUNOLOGY AND SEROLOGY	3
CLTS2070	HEMATOLOGY I	3
CLTS2410	CLINICAL CHEMISTRY II	3
CLTS2411	CLINICAL CHEMISTRY II LAB	1
CLTS2080	HEMATOLOGY II	3
CLTS2710	CLINICAL IMMUNOHEMATOLOGY	3
CLTS2450	URINALYSIS	2

JOBS2450	JOB SEEKING SKILLS	2
CLTS2912	PRACTICUM I (EXTERNSHIP)	4
CLTS2922	PRACTICUM II (EXTERNSHIP)	4
CLTS2932	PRACTICUM III (EXTERNSHIP)	4
CLTS2942	PRACTICUM IV (EXTERNSHIP)	4
	Transferable General Education Courses Required for AAS	
MATH1015	COLLEGE ALGEBRA	3
ENGL1015	ENGLISH COMPOSITION I	3
PHSC1015	PHYSICAL SCIENCE I	3
SPCH1015	INTRODUCTION TO PUBLIC SPEAKING	3
PSYC2015	INTRODUCTION TO PSYCHOLOGY	3
	AAS - Clinical Laboratory Technician	**72**

Optional Elective

CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3
ENTP1000	FOUNDATIONS OF ENTREPRENEURSHIP	3

The following courses may not be substituted for the above required courses.

CLTS2910	SEMINAR IN CLINICAL LABORATORY SCIENCE	2
CLTS2991	SPECIAL PROJECTS I	1
CLTS2993	SPECIAL PROJECTS II	2
CLTS2995	SPECIAL PROJECTS III	3
CLTS2996	SPECIAL PROJECTS IV	3
CLTS2997	PRACTICUM	3
CLTS2999	COOPERATIVE EDUCATION	3

COMPUTER ELECTRONICS TECHNOLOGY
Associate of Applied Science Degree

The Computer Technology program prepares individuals to install, program, operate, maintain, service, and diagnose operational problems in computers and computer systems arising from mechanical or electrical malfunctions. The program includes instruction in the repair and operation of disk drives, printers, modems, networks, software, and software programming.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**62 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -80; Math - 56; Engl./Writ. – 68** **ACT Scores: Read - 18; Math - 19; Engl./Writ. - 18**
Approximate Total Cost of Books and Supplies:	**$1,140.26**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ETRN1120	FUNDAMENTALS OF DIRECT CURRENT CIRCUITS	3
ETRN1130	FUNDAMENTALS OF ALTERNATING CURRENT CIRCUITS	3
CPTR1000	INTRODUCTION TO COMPUTERS	2
CPTR1050	SOFTWARE APPLICATIONS OR	
CPTR1010	DIGITAL LITERACY	4
KYBD1000	BASIC KEYBOARDING	2
ETRN1210	FUNDAMENTALS OF SEMICONDUCTORS	3
ETRN1220	TRANSISTOR CIRCUITS	3
ETRN1230	DIGITAL CIRCUITS I	3
COMP1100	CTS – Basic Electronics Technology	23
COMP1101	COMPUTER MAINTENANCE I	3
COMP1110	COMPUTER MAINTENANCE LAB I	1
COMP1111	COMPUTER MAINTENANCE II	3
COMP1200	COMPUTER MAINTENANCE LAB II	1
	COMPUTER OPERATING SYSTEMS	3
	CTS – Computer Support Assistant	34
ORNT1000	FRESHMAN SEMINAR	1
COMP2720	INTRODUCTION TO NETWORKING	4
JOBS2450	JOB SEEKING SKILLS	2
COMP2730	ADVANCED NETWORKING	4
COMP2902	INTERNSHIP	2
	TD – Computer Electronics	4

Required General Education courses for the AAS:

ENGL1015	ENGLISH COMPOSITION I	3
MATH1015	COLLEGE ALGEBRA	3
PSYC2015	INTRODUCTION TO PSYCHOLOGY	3
PHSC1015	PHYSICAL SCIENCE I	3
SPCH1015	INTRODUCTION TO PUBLIC SPEAKING	3
	AAS – Computer Electronics Technology	62

Optional Electives

CSRV1000	Customer Service	3
CSRV2000	Customer Service & Sales	3
ENTP1000	Foundations of Entrepreneurship	3

With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.

CPTR2991	SPECIAL PROJECTS I	1
CPTR2993	SPECIAL PROJECTS II	2
CPTR2995	SPECIAL PROJECTS III	3
CPTR2996	SPECIAL PROJECTS IV	3
COMP2991	SPECIAL PROJECTS I	1
COMP2993	SPECIAL PROJECTS II	2
COMP2995	SPECIAL PROJECTS III	3
COMP2996	SPECIAL PROJECTS IV	3

CULINARY ARTS AND OCCUPATIONS
Associate of Applied Science Degree

This program prepares students to work in service, production, fast foods, and baking areas of the food service industry.

Program content includes American Culinary Federation information and guidelines for approved Chef training and accreditation.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**70 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -80; Math - 56; Engl./Writ. – 68** **ACT Scores: Read - 18; Math - 19; Engl./Writ. - 18**
Approximate Total Cost of Books and Supplies:	**$1,140.26**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	**FRESHMAN SEMINAR**	**1**
CULN1110	**CULINARY MATH**	**3**
CULN1120	**FOOD AND BEVERAGE SERVICE**	**2**
CULN1130	**SANITATION AND SAFETY**	**3**
CULN1140	**INTRODUCTION TO CULINARY SKILLS**	**3**
	TCA - Entry Level Prep Cook III	**12**
HOST1010	**ORIENTATION TO HOSPITALITY/TOURISM INDUSTRY**	**3**
	Or	
CULN1160	**ORIENTATION TO CULINARY HOSPITALITY INDUSTRY**	**3**
CULN1220	**NUTRITION**	**3**
CULN1210	**VOLUME FOOD PRODUCTION**	**8**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
	CTS - Production Cook (TCA plus Production Cook)	**28**
CULN1230	**GARDE MANGER**	**3**
CULN1310	**BASIC BAKING FUNDAMENTALS**	**5**
CULN1321	**A LA CARTE**	**4**
	CTS - Entry-Level Line Cook (TCA plus Entry-Level Line Cook)	**24**
CULN2410	**REGIONAL CUISINE**	**3**
CULN2420	**INTERNATIONAL CUISINE**	**3**
CULN2430	**FOOD & BEVERAGE OPERATION**	**3**
CULN2440	**ADVANCED BAKING FUNDAMENTALS**	**4**
JOBS2450	**JOB SEEKING SKILLS**	**2**
	TD - Culinary Arts and Occupations	**55**
	Transferable General Education Courses Required for AAS	

ENGL1015	**ENGLISH COMPOSITION I**	**3**
MATH1015	**COLLEGE ALGEBRA**	**3**
PSYC2015	**INTRODUCTION TO PSYCHOLOGY**	**3**
PHSC1015	**PHYSICAL SCIENCE I**	**3**
SPCH1015	**INTRODUCTION TO PUBLIC SPEAKING**	**3**
	AAS - Culinary Arts and Occupations	**70**
	Optional Elective	
CSRV1000	**CUSTOMER SERVICE**	**3**
CSRV2000	**CUSTOMER SERVICE & SALES**	**3**
ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	**3**
	The following courses may not be substituted for the above course requirements.	
CULN2991	**SPECIAL PROJECTS I**	**1**
CULN2993	**SPECIAL PROJECTS II**	**2**
CULN2995	**SPECIAL PROJECTS III**	**3**
CULN2996	**SPECIAL PROJECTS IV**	**3**
CULN2997	**PRACTICUM**	**3**
CULN2999	**COOPERATIVE EDUCATION**	**3**

DRAFTING AND DESIGN TECHNOLOGY
Associate of Applied Science Degree

The Drafting and Design Technology program is a two-year technical program designed to give the student essential knowledge and skills required for efficient and productive performance in the drafting field. Louisiana Technical College grants a Diploma to students upon satisfactory completion of the curriculum and assists in placing students in gainful employment. Certificates are also offered for those needing a background in drafting without gaining all of the skills required for employment as a drafter.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**75 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read- 80; Math – 56; Engl./Writ. - 68**
	ACT Scores: Read – 18; Math – 19; Engl. - 18
Approximate Total Cost of Books and Supplies:	**$1,037.73**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	**FRESHMAN SEMINAR**	**1**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
DRFT1110	**DRAFTING FUNDAMENTALS**	**2**
DRFT1120	**GEOMETRIC CONSTRUCTION**	**2**
DRFT1140	**MACHINE DRAWING**	**3**
DRFT1150	**SECTION DRAWING**	**2**
	TCA - Engineering Aide I	**12**
MATH1110	**TECHNICAL MATH I**	**3**
	OR	
DRFT1160	**DRAFTING MATHEMATICS**	**3**
DRFT1161	**DIMENSIONING**	**2**
DRFT1130	**PICTORIAL DRAWING**	**2**
DRFT1210	**AUXILIARY VIEWS/DESCRIPTIVE GEOMETRY**	**3**
DRFT1220	**INTERSECTIONS & DEVELOPMENTS**	**3**
DRFT1230	**FASTENERS**	**1**
	CTS - Engineering Aide II	**26**
CADD1210	**BASIC COMPUTER AIDED DRAFTING & DESIGN**	**3**
CADD2300	**INTERMEDIATE COMPUTER AIDED DRAFTING & DESIGN**	**3**
JOBS2450	**JOB SEEKING SKILLS**	**2**
CADD2310	**ADVANCED COMPUTER AIDED DRAFTING AND DESIGN**	**3**
DRFT2310	**INTRODUCTION TO DRAFTING DISCIPLINES I**	**4**

DRFT2320	**INTRODUCTION TO DRAFTING DISCIPLINES II**	**4**
DRFT2330	**INTRODUCTION TO DRAFTING DISCIPLINES III**	**3**
	Elective Advanced Discipline I	**4**
	Elective Advanced Discipline II	**4**
	Elective Advanced Discipline III	**4**
	TD - Drafting and Design Technician	**60**
	<u>**Required General Education Courses for the AAS:**</u>	
ENGL1015	**ENGLISH COMPOSITION I**	**3**
MATH1015	**COLLEGE ALGEBRA**	**3**
PSYC2015	**INTRODUCTION TO PSYCHOLOGY**	**3**
PHSC1015	**PHYSICAL SCIENCE I**	**3**
SPCH1015	**INTRODUCTION TO PUBLIC SPEAKING**	**3**
	AAS - Drafting and Design Technology	**75**
	Advanced Disciplines:	
	Architectural Drafting (DRFT 2431, 2531, 2631)	
	Civil Drafting (DRFT 2421, 2521, 2621)	
	Electronics Drafting (DRFT 2451, 2551, 2651)	
	Manufacturing Drafting (DRFT 2411, 2511, 2611)	
	Marine Drafting (DRFT 2471, 2571, 2671)	
	Piping Drafting (DRFT 2461, 2561, 2661)	
	Structural Drafting (DRFT 2441, 2541, 2641)	
	<u>**Optional Electives**</u>	
CSRV1000	**CUSTOMER SERVICE**	**3**
CSRV2000	**CUSTOMER SERVICE & SALES**	**3**
ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	**3**
	With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.	
DRFT2991	**SPECIAL PROJECTS I**	**1**
DRFT2993	**SPECIAL PROJECTS II**	**2**
DRFT2995	**SPECIAL PROJECTS III**	**3**
DRFT2996	**SPECIAL PROJECTS IV**	**3**
DRFT2997	**PRACTICUM**	**3**
DRFT2999	**COOPERATIVE EDUCATION**	**3**

GRAPHICS
Associate of Applied Science Degree

Graphics provides an instructional program that prepares individuals to apply technical knowledge and skills in the use of tools, test equipment, operating equipment, materials, and processes to make ready, operate, and maintain photography and printing equipment for the production of process color printing.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**72 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -80; Math - 56; Engl./Writ. – 68** **ACT Scores: Read - 18; Math - 19; Engl./Writ. - 18**
Approximate Total Cost of Books and Supplies:	**$526.47**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	FRESHMAN SEMINAR	1
CPTR1000	INTRODUCTION TO COMPUTERS	2
GRPH1100	INTRODUCTION TO GRAPHIC COMMUNICATIONS	6
GRPH1200	BINDERY OPERATIONS; MEASUREMENT; BASIC MATH	4
	TCA – Bindery Worker	13
GRPH1300	TYPOGRAPHY AND PAGE LAYOUT	6
GRPH1350	ADVERTISING AND DESIGN	6
GRPH1400	DIGITAL PREPRESS AND PRINTING	3
	CTS – Prepress Technician	28
GRPH1420	DIGITAL FILE PREPARATION	6
GRPH1430	DIGITAL FILE OUTPUT	6
JOBS2450	JOB SEEKING SKILLS	2
	For Technical Diploma, students must complete the above 42 credits	
	PLUS one of the following sets of 15 credits.	
	SET I	
GRPH2110	VISUAL AND PRINT DESIGN I	6
GRPH2120	VISUAL AND PRINT DESIGN II	6
GRPH2130	ADOBE CERTIFIED ASSOCIATE PREP/VISUAL	3
	SET II	
GRPH2210	WEB DESIGN I	6
GRPH2220	WEB DESIGN II	6
GRPH2230	ADOBE CERTIFIED ASSOCIATE PREP/WEB	3
	SET III	
GRPH2310	ANIMATION AND DIGITAL VIDEO I	6

GRPH2320	**ANIMATION AND DIGITAL VIDEO II**	**6**
GRPH2330	**ADOBE CERTIFIED ASSOCIATE PREP/RICH MEDIA**	**3**
	SET IV	
GRPH2410	**OFFSET PRESS OPERATIONS**	**6**
GRPH2420	**ADVANCED OFFSET PRESS OPERATIONS**	**6**
GRPH2430	**BINDING & FINISHING**	**3**
	TD – Graphics	**57**
	Transferable General Education Courses Required for AAS	
ENGL1015	**ENGLISH COMPOSITION I**	**3**
MATH1015	**COLLEGE ALGEBRA**	**3**
PSYC2015	**INTRODUCTION TO PSYCHOLOGY**	**3**
PHSC1015	**PHYSICAL SCIENCE I**	**3**
SPCH1015	**INTRODUCTION TO PUBLIC SPEAKING**	**3**
	AAS - Graphics	**72**
	Optional Electives	
CSRV1000	**CUSTOMER SERVICE**	**3**
GRPH1510	**SKILLSUSA PROMOTIONAL BULLETIN BOARD**	**3**
GRPH1520	**SIGN MAKING**	**3**
GRPH1530	**SCREEN PRINTING**	**3**
GRPH1540	**DIGITIZING FOR EMBROIDERY**	**3**
ENTT1140	**STORYBOARDING**	**4**
GRPH2400	**DIGITAL PRODUCTION PRINTING**	**3**
	With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.	
GRPH2991	**SPECIAL PROJECTS I**	**1**
GRPH2993	**SPECIAL PROJECTS II**	**2**
GRPH2995	**SPECIAL PROJECTS III**	**3**
GRPH2996	**SPECIAL PROJECTS IV**	**3**
GRPH2997	**PRACTICUM**	**3**
GRPH2999	**COOPERATIVE EDUCATION**	**3**

INDUSTRIAL ELECTRONICS TECHNOLOGY
Associate of Applied Science Degree

The Industrial Electronics Technology program generally prepares individuals to assemble, install, operate, maintain, and repair electrical/electronic equipment used in business and industry. This course includes instruction, on actual equipment or associated trainers, relating to power supplies, amplifiers, motors, digital and computer circuitry, programmable controllers, computer peripherals, general robotic applications, lasers, fiber optics, communication systems, and video systems.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**69 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -80; Math - 56; Engl./Writ. – 68** **ACT Scores: Read - 18; Math - 19; Engl./Writ. - 18**
Approximate Total Cost of Books and Supplies:	**$1,104.06**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	**FRESHMAN SEMINAR**	**1**
MATH1110	**TECHNICAL MATH I**	**3**
ETRN1120	**FUNDAMENTALS OF DIRECT CURRENT CIRCUITS**	**3**
	OR	
ETRN1140	**COMPREHENSIVE DC CIRCUITS**	**4**
ETRN1130	**FUNDAMENTALS OF ALTERNATING CURRENT CIRCUITS**	**3**
	OR	
ETRN1150	**COMPREHENSIVE AC CIRCUITS**	**4**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
	OR	
CISX1000	**INTRODUCTION TO INFORMATION SYSTEMS**	**2**
	TCA – Basic Electricity Technician	**12**
ETRN1210	**FUNDAMENTALS OF SEMCONDUCTORS**	**3**
ETRN1220	**TRANSISTOR CIRCUITS**	**3**
	OR	
ETRN1260	**COMPREHENSIVE TRANSISTOR CIRCUITS**	**4**
ETRN1230	**DIGITAL CIRCUITS I**	**3**
ETRN1240	**DIGITAL CIRCUITS II**	**3**
JOBS2450	**JOB SEEKING SKILLS**	**2**
	CTS – Basic Electronics Technician	**26**
ETRN2110	**INTRODUCTION TO PROGRAMMABLE CONTROLLERS**	**4**
ETRN2130	**TELECOMMUNICAITONS**	**4**

	ELECTRONICS ELECTIVE	**4**
	ELECTRONICS ELECTIVE	**3**
	ELECTRONICS ELECTIVE	**3**
	ELECTRONICS ELECTIVE	**4**
	ELECTRONICS ELECTIVE	**3**
	ELECTRONICS ELECTIVE	**3**
	TD – Industrial Electronics Technician	**54**
	Transferable General Education Courses Required for AAS	
ENGL1015	**ENGLISH COMPOSITION I**	**3**
MATH1015	**COLLEGE ALGEBRA**	**3**
PSYC2015	**INTRODUCTION TO PSYCHOLOGY**	**3**
PHSC1015	**PHYSICAL SCIENCE I**	**3**
SPCH1015	**INTRODUCTION TO PUBLIC SPEAKING**	**3**
	AAS – Industrial Electronics Technology	**69**
	Electronics Electives	
ETRN1250	**DIGITAL ELECTRONICS (MICROPROCESSORS)**	**4**
ETRN2120	**COMMUNICATIONS PRINCIPLES AND SYSTEMS**	**4**
ETRN2140	**COMPUTER SYSTEMS AND INTERFACING**	**4**
IDEL2520	**VIDEO PRINCIPLES AND SYSTEMS**	**3**
IDEL2720	**MOTORS AND GENERATORS**	**3**
ELTR2800	**ELECTRONIC TROUBLESHOOTING I**	**3**
ELEC2700	**GENERATORS AND TRANSFORMERS**	**2**
ELEC2600	**MOTOR CONTROLS AND INTERLOCKS**	**2**
CPTR2710	**INTRODUCTION TO NETWORKING**	**3**
IDEL2620	**INTRODUCTION TO ROBOTICS**	**3**
COMM2710	**MICROWAVE COMMUNICATIONS**	**3**
IDEL2710	**COMPUTER PERIPHERALS**	**3**
CPTR2830	**VOICE AND DATA CABLING**	**4**
ELTR2840	**ELECTRONIC TROUBLESHOOTING II**	**3**
COMP1100	**COMPUTER MAINTENANCE I**	**3**
COMP1101	**COMPUTER MAINTENANCE LAB I**	**1**
COMP1110	**COMPUTER MAINTENANCE II**	**3**
COMP1111	**COMPUTER MAINTENANCE LAB II**	**1**
COMP2730	**ADVANCED NETWORKING**	**4**
INST2810	**ADVANCED PROGRAMMABLE LOGIC CONTROLS**	**3**
	Optional Electives	
CSRV1000	**CUSTOMER SERVICE**	**3**
CSRV2000	**CUSTOMER SERVICE & SALES**	**3**
ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	**3**

With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.

IDEL2991	**SPECIAL PROJECTS I**	**1**
IEDL2993	**SPECIAL PROJECTS II**	**2**
IDEL2995	**SPECIAL PROJECTS III**	**3**
IDEL2996	**SPECIAL PROJECTS IV**	**3**
IDEL2997	**PRACTICUM**	**3**
IDEL2999	**COOPERATIVE EDUCATION**	**3**

Information Communication Technology:
Computer Network Specialist
Associate of Applied Science Degree

This program is divided into a basic core area and a specialty networking area. The basic core courses of study will prepare individuals to troubleshoot, repair, and maintain computer systems and basic local area network problems. Students will also learn to operate a computer using current operating system software and use current application software for manipulating spreadsheets, databases, and word processing documents.

The specialty networking area will prepare students to design, implement, and manage linked systems of computers, peripherals, and associated software to maximize efficiency and productivity. The program includes instruction in operating systems and applications; systems design and analysis; networking theory and solutions; types of networks; network management and control; network and flow optimization; security; configuring; and troubleshooting. Electives will be provided to prepare students to successfully implement, manage, and troubleshoot the ongoing needs of Microsoft Windows® based operating environments.

The curriculum provides both knowledge acquisition and skills development for those who are currently working in the information technology field and would like to obtain industry-based certifications or for those who would like to prepare for employment in this field. The program is designed to prepare students to successfully pass national, industry-based exams such as: CompTIA's A+, Network+, Server+, IC3, Microsoft MCSE and Microsoft MCSA.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**75 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -80; Math - 56; Engl./Writ. – 68** **ACT Scores: Read - 18; Math - 19; Engl./Writ. - 18**
Approximate Total Cost of Books and Supplies:	**$1,980.62**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	**FRESHMAN SEMINAR**	**1**
CPTR1010	**DIGITAL LITERACY**	**4**
KYBD1000	**BASIC KEYBOARDING**	**2**
INCT1100	**INSTALLATION AND TROUBLESHOOTING, PART I**	**3**
	TCA - Computer Operator	**10**
INCT1110	**INSTALLATION AND TROUBLESHOOTING, PART II**	**3**
INCT1200	**OPERATING SYSTEMS**	**4**
INCT1210	**INTRODUCTION TO PROGRAMMING**	**3**
INCT2110	**NETWORKING TECHNOLOGIES**	**4**

	ICT ELECTIVE	3
	CIP 111001 - CTS Computer System Technician	27
JOBS2450	JOB SEEKING SKILLS	2
	Total ICT Core	29
INCT2010	INTRODUCTION TO CLIENT/SERVER NETWORKING	4
INCT2020	SERVER NETWORK INFRASTRUCTURE	4
INCT2902	INTERNSHIP	2
	ICT COMPUTER NETWORK ELECTIVES	16
	ICT ELECTIVES	5
	TD – ICT: COMPUTER NETWORK SPECIALIST	60
	Transferable General Education Courses Required for AAS	
ENGL1015	ENGLISH COMPOSITION I	3
MATH1015	COLLEGE ALGEBRA	3
PSYC2015	INTRODUCTION TO PSYCHOLOGY	3
PHSC1015	PHYSICAL SCIENCE I	3
SPCH1015	INTRODUCTION TO PUBLIC SPEAKING	3
	AAS – ICT: COMPUTER NETWORK SPECIALIST	75
	ICT COMPUTER NETWORK ELECTIVES	
INCT2030	ACTIVE DIRECTORY INFRASTRUCTURE	4
INCT2040	DESIGNING SECURITY FOR A CLIENT/SERVER NETWORK	4
INCT2050	INSTALLING INTERNET SECURITY AND ISA	4
INCT2060	IMPLEMENTING AND MANAGING EMAIL/COMMUNICATION SERVER	4
INCT2070	ADMINISTERING AND MANAGING SQL SERVER	4
INCT2090	PLANNING SERVER NETWORK INFRASTRUCTURE	4
INCT2120	INTRODUCTION TO BASIC ROUTERS	4
INCT2130	INTERMEDIATE ROUTING AND SWITCHING	4
INCT2140	WIDE AREA NETWORK PROTOCOLS	4
	ICT ELECTIVES	
INCT1120	INSTALLATION AND TROUBLESHOOTING LAB	2
INCT1250	PROJECT MANAGEMENT	3
INCT1300	INTERNET TECHNOLOGY	3
INCT1320	INTRODUCTION TO DATABASE DEVELOPMENT	3
INCT1330	INTRODUCTION TO NETWORKING	3
INCT1800	INTRODUCTION TO UNIX/LINUX	3
INCT1900	WEB PAGE DESIGN	3
INCT2545	NETWORK SECURITY: ETHICAL HACKING	3
INCT2820	SERVER TECHNOLOGY	3
INCT2830	CABLING INFRASTRUCTURE	3
INCT2840	MANAGING NETWORK SECURITY	3

INCT2850	EMERGING TECHNOLOGIES	3
INCT2855	FIREWALL TECHNOLOGY	3
INCT2860	WIRELESS TECHNOLOGY	3
INCT2890	ENTREPRENEURIAL VENTURE	3
CPTR1300	INTRODUCTION TO SPREADSHEETS	3
CPTR1310	INTRODUCTION TO DATABASE MANAGEMENT	3
CPTR1170	MULTIMEDIA APPLICATIONS	3
ENGL2530	TECHNICAL REPORT WRITING	3

With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.

INCT2991	SPECIAL PROJECTS I	1
INCT2993	SPECIAL PROJECTS II	2
INCT2995	SPECIAL PROJECTS III	3
INCT2996	SPECIAL PROJECTS IV	3
INCT2997	PRACTICUM	3
INCT2999	COOPERATIVE EDUCATION	3

<u>Non-Major Electives:</u>

CPTR1000	INTRODUCTION TO COMPUTERS	2

<u>Optional Electives:</u>

CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3
ENTP1000	FOUNDATIONS OF ENTREPRENEURSHIP	3

<u>Below are Certificate Exit Levels</u>

INCT1200	OPERATING SYSTEMS	4
INCT2010	INTRODUCTION TO CLIENT/SERVER NETWORKING	4
INCT2020	SERVER NETWORK INFRASTRUCTURE	4
	ICT COMPUTER NETWORK ELECTIVE	4
	TCA - System Administrator (CIP 110901)	**16**
INCT1100	INSTALLATION AND TROUBLESHOOTING, PART I	3
INCT1110	INSTALLATION AND TROUBLESHOOTING, PART II	3
CPTR1010	DIGITAL LITERACY	4
KYBD1000	BASIC KEYBOARDING	2
INCT2110	NETWORKING TECHNOLOGIES	4
INCT1200	OPERATING SYSTEMS	4
INCT2120	INTRODUCTION TO BASIC ROUTERS	4
	ICT ELECTIVE	3
	CTS - LAN Administrator (CIP 111001)	**27**
INCT1100	INSTALLATION AND TROUBLESHOOTING, PART I	3
INCT1110	INSTALLATION AND TROUBLESHOOTING, PART II	3
CPTR1010	DIGITAL LITERACY	4

Information Communication Technology:
Computer/Networking Support
Associate of Applied Science Degree

This program is divided into a basic core area and a specialty computer/networking area. The basic core courses of study will prepare individuals to troubleshoot, repair, and maintain computer systems and basic local area network problems. Students will also learn to operate a computer using current operating system software and use current application software for manipulating spreadsheets, databases, and word processing documents.

The specialty computer/networking area will prepare students to support end users and to successfully troubleshoot operating systems, user desktop environments, and/or local area and wide area networks. Electives are available to prepare students to assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures. Additional electives are provided to prepare students to manage computer operations and control the system configurations emanating from a specific site or network hub as well as low-level programming languages. The curriculum also includes instruction in computer hardware and software applications; local area (LAN) and wide area (WAN) networking.

The curriculum provides both knowledge acquisition and skills development for those who are currently working in the information technology field and would like to obtain industry-based certifications or for those who would like to prepare for employment in this field. The program is designed to prepare students to successfully pass national, industry-based exams such as: IC3, CompTIA's A+, Network+, Server+, HTI+, iNet+, and Security+; Cisco System's Cisco Certified Network Associate (CCNA), Cisco Certified Network Design (CCDA), and Cisco Certified Network Professional (CCNP); Microsoft's Certified Desktop Technician (MCDST); as well as security certifications such as Security Certified Network Professional (SCNP) and Security Certified Network Architect (SCNA) where available.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**75 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -80; Math - 56; Engl./Writ. – 68** **ACT Scores: Read - 18; Math - 19; Engl./Writ. - 18**
Approximate Total Cost of Books and Supplies:	**$1,703.33**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	FRESHMAN SEMINAR	1
CPTR1010	DIGITAL LITERACY	4
KYBD1000	BASIC KEYBOARDING	2
INCT1100	INSTALLATION AND TROUBLESHOOTING, PART I	3

	TCA - Computer Operator	**10**
INCT1110	**INSTALLATION AND TROUBLESHOOTING, PART II**	**3**
INCT1200	**OPERATING SYSTEMS**	**4**
INCT1210	**INTRODUCTION TO PROGRAMMING**	**3**
INCT2110	**NETWORKING TECHNOLOGIES**	**4**
	ICT ELECTIVE	**3**
	CTS - Computer System Technician (CIP111001)	**27**
JOBS2450	**JOB SEEKING SKILLS**	**2**
	Total ICT Core	**29**
INCT1800	**INTRODUCTION TO UNIX/LINUX**	**3**
INCT2902	**INTERNSHIP**	**2**
	ICT ELECTIVES	**26**
	TD - ICT Computer/Networking Support	**60**
	Transferable General Education Courses Required for AAS	
ENGL1015	**ENGLISH COMPOSITION I**	**3**
MATH1015	**COLLEGE ALGEBRA**	**3**
PSYC2015	**INTRODUCTION TO PSYCHOLOGY**	**3**
PHSC1015	**PHYSICAL SCIENCE I**	**3**
SPCH1015	**INTRODUCTION TO PUBLIC SPEAKING**	**3**
	AAS - ICT Computer/Networking Support	**75**
	ICT COMPUTER SUPPORT ELECTIVES	
ACCT1100	**PRINCIPLES OF ACCOUNTING, PART I**	**3**
ACCT1500	**COMPUTERIZED ACCOUNTING**	**3**
INCT1320	**INTRODUCTION TO DATABASE DEVELOPMENT**	**3**
INCT2261	**DESKTOP SUPPORT**	**4**
CPTR1300	**INTRODUCTION TO SPREADSHEETS**	**3**
CPTR2640	**ADVANCED SPREADSHEET APPLICATIONS**	**3**
CPTR1310	**INTRODUCTION TO DATABASE MANAGEMENT**	**3**
INCT2650	**ADVANCED DATABASE DEVELOPMENT**	**3**
CPTR2650	**ADVANCED DATABASE APPLICATION**	**3**
ENGL2530	**TECHNICAL REPORT WRITING**	**3**
CPTR1860	**PROGRAMMING LANGUAGE I**	**3**
CPTR2860	**PROGRAMMING LANGUAGE II**	**3**
	ICT SECURITY ELECTIVES	
INCT2040	**DESIGNING SECURITY FOR A CLIENT/SERVER NETWORK**	**4**
INCT2120	**INTRODUCTION TO BASIC ROUTERS**	**4**
INCT2545	**NETWORK SECURITY: ETHICAL HACKING**	**3**
INCT2840	**MANAGING NETWORK SECURITY**	**3**
INCT2855	**FIREWALL TECHNOLOGY**	**3**

INCT2860	**WIRELESS TECHNOLOGY**	3
	<u>**ICT NETWORK ARCHITECTURE ELECTIVES**</u>	
INCT2120	**INTRODUCTION TO BASIC ROUTERS**	4
INCT2130	**INTERMEDIATE ROUTING AND SWITCHING**	4
INCT2140	**WIDE AREA NETWORK PROTOCOLS**	4
INCT2150	**ADVANCED ROUTING**	3
INCT2160	**REMOTE ACCESS**	3
INCT2170	**MULTILAYER SWITCHING**	3
	<u>**ICT ELECTIVES**</u>	
INCT1120	**INSTALLATION AND TROUBLESHOOTING LAB**	2
INCT1250	**PROJECT MANAGEMENT**	3
INCT1300	**INTERNET TECHNOLOGY**	3
INCT1330	**INTRODUCTION TO NETWORKING**	3
INCT1900	**WEB PAGE DESIGN**	3
INCT2010	**INTRODUCTION TO CLIENT/SERVER NETWORKING**	4
INCT2180	**DESIGNING NETWORKS**	3
INCT2190	**INTERNETWORK SUPPORT**	3
INCT2820	**SERVER TECHNOLOGY**	3
INCT2830	**CABLING INFRASTRUCTURE**	3
INCT2850	**EMERGING TECHNOLOGIES**	3
INCT2890	**ENTREPRENEURIAL VENTURE**	3
INCT2910	**HOME TECHNOLOGY INTEGRATOR**	3
INCT2920	**NETWORK DEFENSE AND COUNTERMEASURES**	3
INCT2925	**HARDENING THE NETWORK INFRASTRUCTURE**	3
INCT2930	**ENTERPRISE SECURITY IMPLEMENTATION**	3
INCT2935	**ADVANCED SECURITY IMPLEMENTATION**	3
INCT1391	**PROCEDURAL PROGRAMMING LANGUAGE I**	7
INCT1451	**BASIC PROGRAMMING I**	7
INCT1461	**C++ PROGRAMMING I**	7
INCT1470	**CL PROGRAMMING**	3
INCT1491	**RPG PROGRAMMING I**	7
INCT1500	**INTERNET PROGRAMMING LANGUAGE I**	3
INCT1801	**JAVA PROGRAMMING I**	7
INCT2500	**INTERNET PROGRAMMING LANGUAGE II**	3
	With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.	
INCT2991	**SPECIAL PROJECTS I**	1
INCT2993	**SPECIAL PROJECTS II**	2
INCT2995	**SPECIAL PROJECTS III**	3
INCT2996	**SPECIAL PROJECTS IV**	3

INCT2997	PRACTICUM	3
INCT2999	COOPERATIVE EDUCATION	3
	Non-Major Electives	
CPTR1000	INTRODUCTION TO COMPUTERS	2
	Optional Electives	
CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3
ENTP1000	FOUNDATIONS OF ENTREPRENEURSHIP	3
	Below are Certificate Exit Levels	
INCT1100	INSTALLATION AND TROUBLESHOOTING, PART I	3
INCT1110	INSTALLATION AND TROUBLESHOOTING, PART II	3
CPTR1010	DIGITAL LITERACY	4
KYBD1000	BASIC KEYBOARDING	2
INCT2110	NETWORKING TECHNOLOGIES	4
INCT1200	OPERATING SYSTEMS	4
INCT2120	INTRODUCTION TO BASIC ROUTERS	4
	ICT ELECTIVE	3
	CTS - LAN Administrator (CIP 111001)	27
INCT1100	INSTALLATION AND TROUBLESHOOTING, PART I	3
INCT1110	INSTALLATION AND TROUBLESHOOTING, PART II	3
CPTR1010	DIGITAL LITERACY	4
KYBD1000	BASIC KEYBOARDING	2
INCT1200	OPERATING SYSTEMS	4
INCT2110	NETWORKING TECHNOLOGIES	4
INCT2120	INTRODUCTION TO BASIC ROUTERS	4
INCT2545	NETWORK SECURITY: ETHICAL HACKING	3
INCT2840	MANAGING NETWORK SECURITY	3
INCT2855	FIREWALL TECHNOLOGY	3
	CTS - Network Security Technician (CIP 111001)	33
INCT1100	INSTALLATION AND TROUBLESHOOTING, PART I	3
INCT1110	INSTALLATION AND TROUBLESHOOTING, PART II	3
CPTR1010	DIGITAL LITERACY	4
KYBD1000	BASIC KEYBOARDING	2
	TCA - Computer Technician (CIP 111001)	12
INCT2110	NETWORKING TECHNOLOGIES	4
INCT2120	INTRODUCTION TO BASIC ROUTERS	4
INCT2130	INTERMEDIATE ROUTING AND SWITCHING	4
INCT2140	WIDE AREA NETWORK PROTOCOLS	4
	TCA - Wide Area Network Technician (CIP 111001)	16

INCT2150	**ADVANCED ROUTING**	**3**
INCT2160	**REMOTE ACCESS**	**3**
INCT2170	**MULTILAYER SWITCHING**	**3**
INCT2190	**INTERNETWORK SUPPORT**	**3**
	TCA - Wide Area Network Professional (CIP 111001)	**12**
CPTR1010	**DIGITAL LITERACY**	**4**
KYBD1000	**BASIC KEYBOARDING**	**2**
	TCA - Software Application Specialist	**6**

SURGICAL TECHNOLOGY
Associate of Applied Science Degree

The Surgical Technology Program at Acadiana Technical College is an Associate of Applied Sciences Degree program. Successful completion of the course of studies meets the qualifying standards required to take the National Certification Exam for Surgical Technologists. The certifying exam is written and administered by the Liaison Council on Certification for the Surgical Technologist (LCC-ST).

Certified Surgical Technologists (CST) are integral members of the surgical team who work closely with surgeons, anesthesia providers, registered nurses, and other surgical personnel delivering patient care before, during, and after surgery. Their primary responsibility is maintaining the sterile field. The CST handles the instruments, supplies and equipment necessary during the surgical procedure. CST have an understanding of the procedure being performed, anticipate the needs of the surgeon and have the necessary knowledge and ability to ensure quality patient care during the operative procedure.

The student should recognize that the clinical rotation of the Surgical Technology program demands that the proper attitude, work habits, communication skills and manual dexterity are developed and evaluated along with academic readiness.

CPTR 1000 and ORNT 1000 are pre-requisites for entrance into the surgical technology program. HNUR 1211 and HNUR 1300 are entry level courses that must be completed with an 80% minimum for progression into the clinical portion of the surgical technology program. General education courses including MATH 1015, ENGL 1015, PHSC 1015 and PSYC 2015 should be completed prior to enrollment into the required surgical technology courses. Some courses have prerequisites, which must be successfully completed before enrolling into upper level courses.

Enrollment Schedule:	**Every spring semester**
Length of Program:	**72 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements: (required)	**COMPASS Scores: Read -80; Math - 56; Engl./Writ. – 68 ACT Scores: Read - 18; Math - 19; Engl./Writ. - 18**
Approximate Total Cost of Books and Supplies:	**$2,293.17**
Licensure/Certification:	**Surgical Technologist Certification issued by the Liaison Council on Certification for the Surgical Technologist (LCC-ST)**

Course Number	Course Title	Total Credit Hours
	Pre-Requisite Courses	
ORNT1000	**FRESHMAN SEMINAR**	**1**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
	REQUIRED COURSES	
HNUR1211	**NURSING FUNDAMENTALS I**	**4**

HNUR1300	**ANATOMY AND PHYSIOLOGY FOR HEALTHCARE PROVIDERS**	**5**
HNUR1361	**BASIC PHARMACOLOGY**	**3**
SURG1000	**INTRODUCTION TO SURGICAL TECHNOLOGY**	**3**
SURG1101	**SURGICAL PHARMACOLOGY AND ANESTHESIA**	**1**
SURG1201	**SURGICAL TECHNOLOGY - CIRCULATOR ROLE**	**6**
SURG1311	**SURGICAL TECHNOLOGY – SCRUB ROLE**	**6**
SURG1302	**SURGICAL TECHNOLOGY CLINICAL I**	**1**
SURG2100	**SURGICAL TECHNOLOGY - BIOMEDICAL SCIENCE APPLICATIONS**	**2**
SURG2101	**SURGICAL PROCEDURES I**	**6**
SURG2102	**SURGICAL TECHNOLOGY CLINICAL II**	**5**
SURG2211	**SURGICAL PROCEDURES II**	**6**
SURG2300	**SURGICAL CASE REVIEW**	**2**
SURG2312	**SURGICAL TECHNOLOGY CLINICAL III**	**5**
JOBS2450	**JOB SEEKING SKILLS**	**2**
ENGL1015	**ENGLISH COMPOSITION I**	**3**
MATH1015	**COLLEGE ALGEBRA**	**3**
PHSC1015	**PHYSICAL SCIENCE I**	**3**
PSYC2015	**INTRODUCTION TO PSYCHOLOGY**	**3**
SPCH1015	**INTRODUCTION TO PUBLIC SPEAKING**	**3**
	AAS - Surgical Technology	**72**
	SURG 2996 - Special Projects IV -- Program Assessment Exam Review is an elective that may be added to course work to allow student to maintain full-time status.	
	This situation does not affect credit hour maximum as mandated by Board of Regents.	
	Optional Elective	
CSRV1000	**CUSTOMER SERVICE**	**3**
CSRV2000	**CUSTOMER SERVICE & SALES**	**3**
ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	**3**
	The following courses may not be substituted for the above course requirements without the approval of the Chief Academic Officer.	
SURG2991	**SPECIAL PROJECTS I**	**1**
SURG2993	**SPECIAL PROJECTS II**	**2**
SURG2995	**SPECIAL PROJECTS III**	**3**
SURG2996	**SPECIAL PROJECTS IV**	**3**
SURG2997	**PRACTICUM**	**3**
SURG2999	**COOPERATIVE EDUCATION**	**3**

TECHNICAL DIPLOMA PROGRAMS

Air Conditioning and Refrigeration
Barber-Styling
Carpentry
Collision Repair Technology
Cosmetology
Diesel Powered Equipment Technology
Electrician
Industrial/Agriculture Mechanics Technology
Machine Tool Technology
Masonry
Nondestructive Testing Technology
Practical Nursing
Welding

Note: The exit points are indicated in each curriculum. Complete program content can be found at www.ltc.edu.

Codes for exit points are as follows:

TCA - Technical Competency Area
CTS - Certificate of Technical Studies
TD - Technical Diploma

AIR CONDITIONING & REFRIGERATION
Technical Diploma

The purpose of this program is to provide specialized classroom instruction and practical shop experience to prepare students for employment in a variety of jobs in the field of heating, air conditioning, and refrigeration.

The Air Conditioning and Refrigeration program prepares individuals to install, diagnose, repair, and maintain the operating condition of domestic, residential, and commercial heating air conditioning, and refrigeration systems.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**45 to 51 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -70; Math - 36; Engl./Writ. – 33** **ACT Scores: Read - 15; Math - 16; Engl./Writ. - 14**
Approximate Total Cost of Books and Supplies:	$757.04
Licensure/Certification:	None

Course Number	Course Title	Total Credit Hours
ORNT1000	FRESHMAN SEMINAR	1
CPTR1000	INTRODUCTION TO COMPUTERS	2
HACR1150	HVAC INTRODUCTION	3
HACR1160	PRINCIPLES OF REFRIGERATION I	3
HACR1170	PRINCIPLES OF REFRIGERATION II	4
	TCA - Helper I	13
HACR1210	ELECTRICAL FUNDAMENTALS	3
HACR1220	ELECTRICAL COMPONENTS	3
HACR1230	ELECTRIC MOTORS	3
HACR1240	APPLIED ELECTRICITY AND TROUBLESHOOTING	3
	CTS - Helper II	25
HACR1410	DOMESTIC REFRIGERATION	3
HACR1420	ROOM AIR CONDITIONERS	3
	CTS - Domestic A/C & Refrigeration Technician	31
JOBS2450	JOB SEEKING SKILLS	2
HACR2510	RESIDENTIAL CENTRAL AIR CONDITIONING I	3
HACR2520	RESIDENTIAL CENTRAL AIR CONDITIONING II	3
HACR2530	RESIDENTIAL SYSTEM DESIGN	3

HACR2540	RESIDENTIAL HEATING I	3
HACR2550	RESIDENTIAL HEATING II	3
HACR2560	RESIDENTIAL HEAT PUMPS	3
	Successful completion of TCA Helper I, CTS Helper II, & CTS Domestic A/C Refrig Tech	
	In addition, successful completion of above seven courses	
	TD - Residential A/C & Refrigeration Technician	51
	Additional Exit Point	
HACR2510	RESIDENTIAL CENTRAL AIR CONDITIONING I	3
SOLR1000	SOLAR FUNDAMENTALS	3
SOLR1030	SOLAR THERMAL APPLICATIONS	3
	Successful completion of CTS-Helper II plus above 3 courses	
	CTS—HACR Energy Systems Technician	34
HACR2810	COMMERCIAL AIR CONDITIONING I	6
HACR2820	COMMERCIAL AIR CONDITIONING CONTROLS	6
HACR2830	COMMERCIAL AIR CONDITIONING II	6
	Successful Completion of TCA Helper I, CTS Helper II, JOBS2450, and the above three courses.	
	TD - Commercial Air Conditioning Technician	45
HACR2910	COMMERCIAL REFRIGERATION I	6
HACR2920	COMMERCIAL REFRIGERATION CONTROLS	6
HACR2930	COMMERCIAL REFRIGERATION II	6
	Successful Completion of TCA Helper I, CTS Helper II, JOBS2450, and the above three courses.	
	TD - Commercial Refrigeration Technician	45
	Optional Electives	
CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3
ENTP1000	FOUNDATIONS OF ENTREPRENEURSHIP	3
SOLR1000	SOLAR FUNDAMENTALS	3
SOLR1010	PV SOLAR APPLICATIONS	3
SOLR1020	INDUSTRIAL SOLAR APPLICATIONS	3
SOLR1030	SOLAR THERMAL APPLICATIONS	3
	With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.	
HACR2991	SPECIAL PROJECTS I	1
HACR2993	SPECIAL PROJECTS II	2
HACR2995	SPECIAL PROJECTS III	3
HACR2996	SPECIAL PROJECTS IV	3
HACR2997	PRACTICUM	3
HACR2999	COOPERATIVE EDUCATION	3

Additional TCA Exit Point

BARBER-STYLING
Technical Diploma

The Barber-Styling diploma program is designed to prepare students to work efficiently in the industry of Barber-Styling. This competency-based program includes classroom instruction and practical/lab experience under supervision of the instructor.

Practical skills are developed through experience in a school-based, on-site shop which is equipped and managed according to industry standards by the students with instructor supervision. Upon completion of this program, which is approved by the LA State Board of Barber Examiners and meets the 1500-hour requirement, students are eligible to take the LA State Board of Barber Examiners licensure examination.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**53 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -70; Math - 36; Engl./Writ. – 33 ACT Scores: Read - 15; Math - 16; Engl./Writ. - 14**
Approximate Total Cost of Books and Supplies:	**$942.36**
Licensure/Certification:	**Barber License issued by Louisiana State Board of Barber Examiners**

Course Number	Course Title	Total Credit Hours
ORNT1000	**FRESHMAN SEMINAR**	**1**
BARB1110	**HISTORY OF BARBERING AND THE PROFESSIONAL IMAGE**	**2**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
BARB1120	**SANITATION, BACTERIOLOGY, SAFETY WITH TOOLS, IMPLEMENTS, AND EQUIPMENT THEORY AND PRACTICE**	**2**
BARB1131	**SANITATION, BACTERIOLOGY, SAFETY WITH TOOLS, IMPLEMENTS, AND EQUIPMENT LAB**	**1**
BARB1160	**MEN'S/WOMEN'S BASIC HAIRCUTTING/STYLING THEORY & PRACTICE**	**2**
BARB1220	**SHAVING, MUSTACHES, AND BEARDS THEORY & PRACTICE**	**1**
BARB1211	**BARBER-STYLING LAB I**	**4**
BARB1410	**ELECTRICITY AND SAFETY**	**1**
BARB1140	**FACIAL MASSAGE AND TREATMENTS THEORY & PRACTICE**	**2**
BARB1150	**PROPERTIES/DISORDERS/TREATMENTS OF SKIN, SCALP, & HAIR THEORY AND PRACTICE**	**2**
BARB1231	**BARBER-STYLING LAB II**	**2**
BARB1310	**PERMANENT WAVING/CHEMICAL HAIR RELAXING THEORY & PRACTICE**	**3**
BARB1321	**PERMANENT WAVING/CHEMICAL HAIR RELAXING LAB**	**2**
BARB1350	**CHEMISTRY**	**2**
BARB1420	**ANATOMY AND PHYSIOLOGY**	**2**

BARB1430	MEN'S HAIRPIECES THEORY	1
BARB1441	BARBER-STYLING LAB III	5
BARB2630	PROFESSIONALISM FOR BARBER STYLING	1
BARB1330	HAIR COLORING THEORY AND PRACTICE	2
BARB1341	HAIR COLORING LAB	2
BARB2111	BARBER-STYLING SHOP MANAGEMENT AND SALES	2
BARB2120	LA STATE BARBER BOARD REVIEW THEORY	3
BARB2131	LA STATE BARBER BOARD REVIEW LAB	4
JOBS2450	JOB SEEKING SKILLS	2
	TD - Barber Styling	**53**
	Optional Electives	
CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3
ENTP1000	FOUNDATIONS OF ENTREPRENEURSHIP	3

With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.

BARB2991	SPECIAL PROJECTS I	1
BARB2993	SPECIAL PROJECTS II	2
BARB2995	SPECIAL PROJECTS III	3
BARB2996	SPECIAL PROJECTS IV	3
BARB2997	PRACTICUM	3
BARB2999	COOPERATIVE EDUCATION	3

CARPENTRY
Technical Diploma

The Carpentry program prepares individuals to apply technical knowledge and skills to lay out, fabricate, erect, install, and repair wooden structures and fixtures using hand and power tools. The program also includes instruction in areas such as common systems of framing, construction materials, estimating, blueprint reading, and finish carpentry techniques.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**57 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -62; Math - 36; Engl./Writ. – 32** **ACT Scores: Read – 13; Math - 16; Engl./Writ. - 13**
Approximate Total Cost of Books and Supplies:	**$862.37**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	FRESHMAN SEMINAR	1
CARP1110	INTRODUCTION AND SAFETY	1
CARP1120	HAND TOOLS	2
CARP1130	POWER TOOLS	4
	TCA – Carpenter's Helper	8
CARP1140	BUILDING MATERIALS	2
CARP2620	APPLIED MATHEMATICS I	3
CARP1150	BLUEPRINT READING	5
CARP2110	SITE LAYOUT	2
CARP2120	FOUNDATIONS AND FLOOR FRAMING	5
CARP2131	WALL AND CEILING FRAMING	4
	CTS – Carpentry Technician II	29
CPTR1000	INTRODUCTION TO COMPUTERS	2
CARP2210	ROOFING I	6
CARP2220	ROOFING II	6
CARP2230	EXTERIOR FINISH AND TRIM	3
CARP2310	INTERIOR FINISH AND TRIM	3
CARP2320	CABINETMAKING	6
JOBS2450	JOB SEEKING SKILLS	2
	TD – Carpentry	57
	Optional Electives	
CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3

ENTP1000	FOUNDATIONS OF ENTREPRENEURSHIP	3
	With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.	47
CARP2991	SPECIAL PROJECTS I	1
CARP2993	SPECIAL PROJECTS II	2
CARP2995	SPECIAL PROJECTS III	3
CARP2996	SPECIAL PROJECTS IV	3
CARP2997	PRACTICUM	3
CARP2999	COOPERATIVE EDUCATION	3

COLLISION REPAIR TECHNOLOGY
Technical Diploma

The purpose of this program is to provide specialized instruction and practical shop experience to prepare students for employment in a variety of jobs in the field of Collision Repair Technology.

The Collision Repair Technology program prepares individuals to repair modern vehicles. This includes identification and analysis of damage, measurement, straightening, welding, structural repair and replacement, corrosion, alignment, refinishing, trim and glass replacement, plastic repair, and working with electrical and mechanical components as they pertain to collision repair.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**60 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -62; Math - 36; Engl./Writ. – 32** **ACT Scores: Read - 13; Math - 16; Engl./Writ. - 13**
Approximate Total Cost of Books and Supplies:	**$862.37**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	**FRESHMAN SEMINAR**	**1**
CLRP1110	**SHOP ORIENTATION AND SAFETY**	**1**
CLRP1121	**TOOLS AND EQUIPMENT**	**3**
CLRP1131	**IDENTIFICATION AND ANALYSIS**	**3**
CLRP2130	**BASIC METAL ALIGNMENT AND FINISH**	**6**
	TCA – Collision Repair Apprentice	**14**
CLRP1311	**AUTOMOTIVE TRIM AND GLASS**	**4**
CLRP1210	**FRAME AND BODY**	**6**
CLRP1150	**MECHANICAL COMPONENTS**	**6**
	CTS – Basic Structural Repair Person	**30**
CLRP1230	**PANEL REPLACEMENT**	**6**
CLRP2140	**CORROSION**	**3**
CLRP1220	**WELDING AND CUTTING**	**4**
CLRP1140	**BASIC AUTOMOTIVE ELECTRICITY**	**3**
CLRP1320	**REFINISHING/DETAILING**	**7**
CLRP2121	**PLASTIC REPAIR**	**1**
CLRP2111	**RESTRAINT SYSTEMS**	**2**
JOBS2450	**JOB SEEKING SKILLS**	**2**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
	TD – Collision Repair	**60**

Optional Electives

CSRV1000	**CUSTOMER SERVICE**	**3**
CSRV2000	**CUSTOMER SERVICE & SALES**	**3**
ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	**3**

With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.

CLRP2991	**SPECIAL PROJECTS I**	**1**
CLRP2993	**SPECIAL PROJECTS II**	**2**
CLRP2995	**SPECIAL PROJECTS III**	**3**
CLRP2996	**SPECIAL PROJECTS IV**	**3**
CLRP2997	**PRACTICUM**	**3**
CLRP2999	**COOPERATIVE EDUCATION**	**3**

COSMETOLOGY
Technical Diploma

This diploma program is designed to prepare students to work efficiently in the role of cosmetologists and/or hair stylists.

Classroom instruction includes the study of anatomy and physiology of the head, neck, and other areas, infection control, decontamination and sanitation of tools, hair cutting, styling, and coloring, permanent waving and relaxing, facials, and the application of cosmetic make-up. Manicuring, pedicuring, and salon management are also included. Practical skills are developed through experience in an on-site salon which is equipped and managed according to industry standards by the students with instructor supervision.

Upon completion of this program, which is approved by the LA State Board of Cosmetology and meets the 1500-hour requirement, students are eligible to take the LA State Board of Cosmetology licensure examination.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**51 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -70; Math - 36; Engl./Writ. – 33 ACT Scores: Read - 15; Math - 16; Engl./Writ. - 14**
Approximate Total Cost of Books and Supplies:	**$862.37**
Licensure/Certification:	**Louisiana State Board of Cosmetology licensure**

Course Number	Course Title	Total Credit Hours
ORNT1000	FRESHMAN SEMINAR	1
COSM1110	INTRODUCTION, DECONTAMINATION, AND INFECTION CONTROL	4
COSM1121	PROPERTIES OF SKIN, SCALP, AND HAIR	2
COSM1130	SHAMPOOING, RINSING, AND CONDITIONING	3
COSM1211	CELLS, ANATOMY, AND PHYSIOLOGY	2
	TCA – Shampoo Operator	12
COSM1220	MANICURING AND PEDICURING	3
COSM1230	WET HAIR STYLING	4
COSM1311	HAIR CUTTING	3
COSM1321	PERMANENT WAVING	5
COSM1411	CHEMICAL HAIR RELAXING	2
COSM1420	THERMAL SERVICES	2
COSM1430	HAIR COLORING	5
COSM2510	FACIAL SERVICES, MASSAGE, AND MAKE-UP	3
COSM2520	ARTISTRY OF ARTIFICIAL HAIR	2
COSM2540	SALON MANAGEMENT	4

COSM2530	ELECTRICITY AND LIGHT THERAPY	2
JOBS2450	JOB SEEKING SKILLS	2
CPTR1000	INTRODUCTION TO COMPUTERS	2
	TD – Cosmetology	**51**
	<u>**Optional Electives**</u>	
CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3
ENTP1000	FOUNDATIONS OF ENTREPRENEURSHIP	3
	With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.	50
COSM2991	SPECIAL PROJECTS I	1
COSM2993	SPECIAL PROJECTS II	2
COSM2995	SPECIAL PROJECTS III	3
COSM2996	SPECIAL PROJECTS IV	3
COSM2997	PRACTICUM	3
COSM2999	COOPERATIVE EDUCATION	3

DIESEL POWERED EQUIPMENT TECHNOLOGY
Technical Diploma

The purpose of this program is to provide specialized classroom instruction and practical shop experience to prepare students for employment as job entry-level diesel powered equipment technicians. The program prepares the individual to select, safely use, and maintain hand and power tools, jacks, and hoisting equipment. The content includes, but is not limited to, disassembling engines and replacing parts, fuel injection systems, oil and water pumps, electrical systems, steering and suspension systems, brake systems, drive train, and chassis. Instruction also includes the use of technical manuals, preventive maintenance procedures, and safe and efficient work practices.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**60 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -62; Math - 36; Engl./Writ. – 32** **ACT Scores: Read - 13; Math - 16; Engl./Writ. - 13**
Approximate Total Cost of Books and Supplies:	$862.37
Licensure/Certification:	None

Course Number	Course Title	Total Credit Hours
ORNT1000	FRESHMAN SEMINAR	1
DPET1120	SAFETY SKILLS & INTRODUCTION TO DIESEL	3
DPET1130	DIESEL ENGINE PARTS IDENTIFICATION & OPERATING PRINCIPLES	4
DPET1140	ENGINES I	3
DPET1141	ENGINES II	3
DPET1240	DIESEL ENGINE FUEL SYSTEMS	3
CPTR1000	INTRODUCTIONS TO COMPUTERS	2
DPET1210	BASIC DIESEL ELECTRICAL SYSTEMS	4
DPET1220	ADVANCED DIESEL ELECTRICAL SYSTEMS	3
DPET1231	DIESEL ENGINE CONTROL SYSTEMS	2
DPET1150	GENERAL ENGINE DIAGNOSTICS	3
DPET1310	INTRODUCTION TO POWER TRAINS	2
DPET1320	TRANSMISSIONS	3
DPET1330	DIFFERENTIALS	3
DPET2110	BASIC HYDRAULICS	2
DPET2130	BRAKES	4
DPET2140	FUNDAMENTALS OF STEERING	3
DPET2210	FUNDAMENTALS OF SUSPENSION	3
DPET2220	AIR CONDITIONING	4
DPET2240	DIESEL PREVENTIVE MAINTENANCE	3

JOBS2450	**JOB SEEKING SKILLS**	**2**
	TD – Diesel Powered Equipment Technician	**60**
	<u>Optional Electives</u>	
CSRV1000	**CUSTOMER SERVICE**	**3**
CSRV2000	**CUSTOMER SERVICE & SALES**	**3**
ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	**3**
	With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.	
DPET2991	**SPECIAL PROJECTS I**	**1**
DPET2993	**SPECIAL PROJECTS II**	**2**
DPET2995	**SPECIAL PROJECTS III**	**3**
DPET2996	**SPECIAL PROJECTS IV**	**3**
DPET2997	**PRACTICUM**	**3**
DPET2999	**COOPERATIVE EDUCATION**	**3**
DPET1251	**ALTERNATIVE FUEL SYSTEMS**	**2**
DPET2120	**ADVANCED HYDRAULICS**	**3**
DPET2231	**WELDING**	**2**
	<u>Certificate Exit Levels</u>	
ORNT1000	**FRESHMAN SEMINAR**	**1**
DPET1120	**SAFETY SKILLS & INTRODUCTION TO DIESEL**	**3**
DPET2220	**AIRCONDITIONING**	**4**
	TCA – Air Condition Technician	**8**
ORNT1000	**FRESHMAN SEMINAR**	**1**
DPET1120	**SAFETY SKILLS & INTRODUCTION TO DIESEL**	**3**
DPET2140	**FUNDAMENTALS OF STEERING**	**3**
DPET2210	**FUNDAMENTALS OF SUSPENSION**	**3**
	TCA – Steering and Suspension Technician	**10**
ORNT1000	**FRESHMAN SEMINAR**	**1**
DPET1120	**SAFETY SKILLS & INTRODUCTION TO DIESEL**	**3**
DPET2110	**BASIC HYDRAULICS**	**2**
DPET2130	**BRAKES**	**4**
	TCA – Brake Technician	**10**
ORNT1000	**FRESHMAN SEMINAR**	**1**
DPET1120	**SAFETY SKILLS & INTRODUCTION TO DIESEL**	**3**
DPET1130	**DIESEL ENGINE PARTS IDENTIFICATION & OPERATING PRINCIPLES**	**4**
DPET1140	**ENGINES I**	**3**
	TCA – Diesel Engine Technician Apprentice	**11**
ORNT1000	**FRESHMAN SEMINAR**	**1**
DPET1120	**SAFETY SKILLS & INTRODUCTION TO DIESEL**	**3**

ELECTRICIAN
Technical Diploma

The purpose of this program is to provide a basic core of specialized instruction and practical shop experience to prepare students for employment in electrical trades.

Students who complete the basic core may choose any of the specialty areas. Specialty areas prepare the graduate as an Industrial Electrician, Marine Electrician, or Commercial Electrician.

The Industrial Electrician course will prepare individuals to install, troubleshoot, and repair wiring, electrical equipment, and other electrical devices used in the industrial environment, such as motors (AC and DC drives), transformers, control systems, instruments, PLC's, and lighting systems.

The Marine Electricity program prepares individuals to install and repair wiring fixtures, and equipment for electrical services aboard ships and in shipyard facilities. Marine wiring methods and equipment will also be covered.

The Commercial Electricity program generally prepares individuals to install, maintain, troubleshoot, and repair electrical devices, components, and equipment that are utilized in residential and commercial electrical systems. Students have two options to complete this diploma: by course work, or by employment in a work-based course with an electrical contractor.

All program specialties emphasize safe and efficient work practices, basic occupational skills, and are organized into competency-based courses that specify occupational competencies, which the student must successfully complete. Each area includes a study of all applicable codes and standards, blueprint reading, wiring diagrams, and installations which are appropriate to the area. All work is performed with an emphasis on shop and work safety.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**45 to 50 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -70; Math - 36; Engl./Writ. – 33** **ACT Scores: Read - 15; Math - 16; Engl./Writ. - 14**
Approximate Total Cost of Books and Supplies:	**$862.37**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	**FRESHMAN SEMINAR**	**1**
ELEC1120	**BASIC ELECTRICITY**	**6**
ELEC1210	**RESIDENTIAL WIRING**	**6**
	TCA - Electrician Helper	**13**
ELEC2460	**TECHNICAL MATHEMATICS FOR ELECTRICIANS**	**2**

ELEC1220	ELECTRICAL RACEWAYS	3
ELEC1230	NATIONAL ELECTRICAL CODE	2
ELEC1311	RESIDENTIAL WIRING INSTALLATION	6
ELEC1430	BLUEPRINT INTERPRETATION	3
CPTR1000	INTRODUCTION TO COMPUTERS	2
JOBS2450	JOB SEEKING SKILLS	2
	Basic Electrical Core	
	CTS - Residential Electrician	33
	Technical Diplomas in specialized areas require the completion of the basic core courses	
	Plus the completion of specialty courses listed in the following groups:	
ELEC1330	GENERATORS/MOTORS AND TRANSFORMER OPERATION	2
ELEC1420	INTRODUCTION TO MOTOR CONTROLS	2
ELEC1440	MOTOR CONTROLS	3
ELEC2520	SOLID STATE THEORY	3
ELEC2540	LOGIC FUNCTIONS	2
ELEC2720	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS	2
	TD - Industrial Electrician	47
	ELEC 1330, 1420, 1440, 2520, 2540 plus	
ELEC2530	MARINE ELECTRICITY	5
	TD - Marine Electrician	50
ELEC2542	ELECTRICAL WORK BASED I	8
ELEC2543	ELECTRICAL WORK BASED II	6
	TD - Commercial Wiring I	47
	ELEC 1330, 1420, 1440 plus	
ELEC1410	COMMERCIAL WIRING	5
	TD - Commercial Wiring II	45
	<u>**Optional Electives**</u>	
CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3
ENTP1000	FOUNDATIONS OF ENTREPRENEURSHIP	3
SOLR1000	SOLAR FUNDAMENTALS	3
SOLR1010	PV SOLAR APPLICATIONS	3
SOLR1020	INDUSTRIAL SOLAR APPLICATIONS	3
SOLR1030	SOLAR THERMAL APPLICATIONS	3
	With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.	
ELEC2991	SPECIAL PROJECTS I	1
ELEC2993	SPECIAL PROJECTS II	2
ELEC2995	SPECIAL PROJECTS III	3

ELEC2996	SPECIAL PROJECTS IV	3
ELEC2997	PRACTICUM	3
ELEC2999	COOPERATIVE EDUCATION	3
	Additional Exit Points	
SOLR1000	SOLAR FUNDAMENTALS	3
SOLR1010	PV SOLAR APPLICATIONS	3
SOLR1020	INDUSTRIAL SOLAR APPLICATIONS	3
SOLR1030	SOLAR THERMAL APPLICATIONS	3
	TCA – ELEC: Solar Systems Installer	12
ELEC1120	BASIC ELECTRICITY	6
ELEC1210	RESIDENTIAL WIRING	6
ELEC2460	TECHNICAL MATHEMATICS FOR ELCTRICIANS	2
ELEC1230	NATIONAL ELECTRICAL CODE	2
ELEC1311	RESIDENTIAL WIRING INSTALLATION	6
ELEC1420	INTRODUCTION TO MOTOR CONTROLS	2
	Above 6 courses plus SOLR 1000, 1010, and 1020	
	CTS – ELEC: Energy Systems Technician	33

INDUSTRIAL/AGRICULTURE MECHANICS TECHNOLOGY
Technical Diploma

The Industrial/Agriculture Mechanics Technology program prepares individuals to apply technical knowledge and skills to repair and maintain industrial machinery and equipment such as generators, cranes, pumps, engines and motors, pneumatic tools, conveyor systems, production machinery, and other heavy duty machinery. In addition, students will be provided optional coursework leading to a Technical Competency Area (TCA) for small engine repair and maintenance on engines such as lawn mowers, outboard engines, and other small engines. The curriculum will consist of a core of courses in basic industrial mechanics as well as electives concentrating on the following industries: mining, agriculture, oil field production, small engine repair, and mechanic/electrical.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**58 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -77; Math - 40; Engl./Writ. – 42**
	ACT Scores: Read - 18; Math - 16; Engl./Writ. - 16
Approximate Total Cost of Books and Supplies:	**$500.00**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
NCCR1000	**INDUSTRIAL SAFETY & QUALITY STANDARDS**	**3**
IAMT1110	**INTRODUCTION TO INDUSTRIAL ENGINES**	**2**
IAMT1120	**INDUSTRIAL ENGINE PARTS IDENTIFICATION & OPERATING PRINCIPLES**	**4**
IAMT1130	**INDUSTRIAL ENGINES I**	**4**
	TCA – IAMT: Industrial Mechanic Apprentice	**13**
IAMT1135	**INDUSTRIAL ENGINES II**	**3**
IAMT1140	**INDUSTRIAL ENGINE FUEL SYSTEMS**	**3**
IAMT1150	**BASIC HYDRAULICS**	**3**
IAMT1160	**BASIC INDUSTRIAL ENGINE ELECTRICAL SYSTEMS**	**3**
IAMT1170	**INDUSTRIAL ENGINE CONTROL SYSTEMS**	**3**
IAMT1180	**GENERAL ENGINE DIAGNOSTICS**	**3**
IAMT1190	**INDUSTRIAL ENGINE WELDING**	**2**
	CTS – IAMT: Industrial Mechanic Technician	**33**
	IAMT ELECTIVES	**20**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
JOBS2450	**JOB SEEKING SKILLS**	**2**
ORNT1000	**FRESHMAN SEMINAR**	**1**
	TD – Industrial/Agriculture Mechanics Technology	**58**

INDUSTRIAL/AGRICULTURE MECHANICS TECHNOLOGY ELECTIVES

MINING ELECTIVES:

Code	Title	Credits
IAMT2150	ADVANCED HYDRAULICS	4
IAMT2140	HEAVY EQUIPMENT PREVENTIVE MAINTENANCE	3
IAMT2145	MECHANICAL POWER TRANSMISSION	3
WELD1410	SMAW – BASIC BEADS	2
IAMT2090	MINING INTERNSHIP I	4
IAMT2095	MINING INTERNSHIP II	4
IAMT2170	BRAKES	4
IAMT2175	POWER TRAINS	4

OIL FIELD PRODUCTION ELECTIVES:

Code	Title	Credits
IAMT1200	MANUFACTURING, MAINTENANCE, AND QUALITY STANDARDS	3
IAMT2110	MATERIAL HANDLING	3
IAMT2120	METALS & MACHINING	3
IAMT2180	SAFETY REGULATIONS	2
IAMT2160	ADVANCED INDUSTRIAL ENGINE ELECTRICAL SYSTEMS	3
IAMT2130	MECHANICAL DRAFTING CONCEPTS	3
IAMT2150	ADVANCED HYDRAULICS	4
INST2720	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLS	2
OILG1001	INTRODUCTION TO OIL AND GAS PLATFORMS	3

MECHANIC/ELECTRICIAN ELECTIVES:

Code	Title	Credits
ELEC1120	BASIC ELECTRICITY	6
ELEC1430	BLUEPRINT INTERPRETATION	3
ELEC1330	GENERATORS/MOTORS AND TRANSFORMER OPERATION	2
ELEC1420	INTRODUCTION TO MOTOR CONTROLS	2
ELEC1440	MOTOR CONTROLS	3
IAMT2180	SAFETY REGULATIONS	2
INST2720	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLS	2
SOLR1000	SOLAR FUNDAMENTALS	3
SOLR1010	PV SOLAR APPLICATIONS	3
SOLR1020	INDUSTRIAL SOLAR APPLICATIONS	3
SOLR1030	SOLAR THERMAL APPLICATIONS	3
HACR1210	ELECTRICAL FUNDAMENTALS	3
HACR1220	ELECTRICAL COMPONENTS	3
HACR1230	ELECTRIC MOTORS	3
HACR1240	APPLIED ELECTRICITY AND TROUBLESHOOTING	3

AGRICULTURE ELECTIVES:

Code	Title	Credits
IAMT2210	FARM MACHINERY REPAIR I	4

IAMT2220	FARM MACHINERY REPAIR II	4
IAMT2230	INDUSTRIAL/AGRICULTURE AIR CONDITIONING	2
IAMT2140	HEAVY EQUIPMENT PREVENTIVE MAINTENANCE	3
WELD1210	OXYFUEL SYSTEMS	2
WELD1410	SMAW – BASIC BEADS	2
WELD1411	SMAW – FILLET WELD	3
WELD1310	CUTTING PROCESSES – CAC/PAC	2
	SMALL ENGINE ELECTIVES:	
IAMT2310	SMALL ENGINE PRINCIPLES I	5
IAMT2320	SMALL ENGINE PRINCIPLES II	5
IAMT2330	SMALL ENGINE SYSTEMS	5
IAMT2340	DRIVE TRAINS	3
	Optional Electives	
CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3
ENTP1000	FOUNDATIONS OF ENTREPRENEURSHIP	3
	Additional Exit Points	
IAMT2310	SMALL ENGINE PRINCIPLES I	5
IAMT2320	SMALL ENGINE PRINCIPLES II	5
IAMT2330	SMALL ENGINE SYSTEMS	5
	TCA – IAMT: Small Engine Mechanic	15
IAMT1110	INTRODUCTION TO INDUSTRIAL ENGINES	2
IAMT1150	BASIC HYDRAULICS	3
IAMT2150	ADVANCED HYDRAULICS	4
IAMT1200	MANUFACTURING, MAINTENANCE, AND QUALITY STANDARDS	3
	TCA – IAMT: Industrial/Agriculture Mechanic Helper	12
NCCR1000	INDUSTRIAL SAFETY & QUALITY STANDARDS	3
OILG1001	INTRODUCTION TO OIL AND GAS PLATFORMS	3
	TCA – IAMT: Production Helper	6
IAMT1110	INTRODUCTIN TO INDUSTRIAL ENGINES	2
IAMT1120	INDUSTRIAL ENGINE PARTS IDENTIFICATION & OPERATING PRINICIPLES	4
IAMT1130	INDUSTRIAL ENGINES I	4
HACR1210	ELECTRICAL FUNDAMENTALS	3
HACR1220	ELECTRICAL COMPONENTS	3
HACR1230	ELECTRIC MOTORS	3
HACR1240	APPLIED ELECTRICITY AND TROUBLESHOOTING	3
IAMT1150	BASIC HYDRAULICS	3
NCCR1000	INDUSTRIAL SAFETY & QUALITY STANDARDS	3

OILG1001	**INTRODUCTION TO OIL AND GAS PLATFORMS**	**3**
	CTS – IAMT: Energy Systems Technician	**31**
	With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.	
IAMT2991	**SPECIAL PROJECTS I**	**1**
IAMT2993	**SPECIAL PROJECTS II**	**2**
IAMT2995	**SPECIAL PROJECTS III**	**3**
IAMT2996	**SPECIAL PROJECTS IV**	**3**
IAMT2998	**SPECIAL PROJECTS V**	**1**
IAMT2997	**PRACTICUM**	**3**
IAMT2999	**COOPERATIVE EDUCATION**	**3**

MACHINE TOOL TECHNOLOGY
Technical Diploma

The Machine Tool Technology program prepares individuals to shape metal parts on machines such as lathes, grinders, drill presses, and milling machines. Computer numerical controlled machines are also introduced. The program includes making computations for dimensions and cutting feeds and speeds, using precision measuring instruments, laying out parts, and heat treatment of metals.

The instructor has the option of adding other specialty studies such as Numerical Control (NC), Computer Numerical Control (CNC), etc., in order to meet local industry needs.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**58 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -70; Math - 40; Engl./Writ. – 42** **ACT Scores: Read - 18; Math - 16; Engl./Writ. - 16**
Approximate Total Cost of Books and Supplies:	**$1,682.80**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	FRESHMAN SEMINAR	1
CPTR1000	INTRODUCTION TO COMPUTERS	2
MTTC2110	BLUEPRINT READING	3
MTTC2120	INTRODUCTION TO MACHINE TOOLS	6
MTTC2210	BENCH WORK	3
MTTC2220	FORMING AND SHAPING	3
MTTC2230	DRILL PRESS	6
MTTC2310	BASIC LATHE I	4
MTTC2320	BASIC LATHE II	4
MTTC2331	ADVANCED LATHE	4
MTTC2410	BASIC MILL I	4
MTTC2420	BASIC MILL II	4
MTTC2431	ADVANCED MILL	4
MTTC2510	PRECISION GRINDING	2
MTTC2710	CNC	6
JOBS2450	JOB SEEKING SKILLS	2
	TD - Industrial Machine Shop Technician	**58**
	<u>Optional Electives</u>	
CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3
ENTP1000	FOUNDATIONS OF ENTREPRENEURSHIP	3

With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.

MTTC2991	SPECIAL PROJECTS I	1
MTTC2993	SPECIAL PROJECTS II	2
MTTC2995	SPECIAL PROJECTS III	3
MTTC2996	SPECIAL PROJECTS IV	3
MTTC2997	PRACTICUM	3
MTTC2999	COOPERATIVE EDUCATION	3

Below are Certificate Exit Levels:

MTTC2110	BLUEPRINT READING	3
MTTC2120	INTRODUCTION TO MACHINE TOOLS	6
MTTC2230	DRILL PRESS	6
	TCA - Drill Press Operator	**15**
MTTC2110	BLUEPRINT READING	3
MTTC2120	INTRODUCTION TO MACHINE TOOLS	6
MTTC2310	BASIC LATHE I	4
MTTC2320	BASIC LATHE II	4
MTTC2331	ADVANCED LATHE	4
	CTS - Lathe Operator	**21**
MTTC2110	BLUEPRINT READING	3
MTTC2120	INTRODUCTION TO MACHINE TOOLS	6
MTTC2410	BASIC MILL I	4
MTTC2420	BASIC MILL II	4
MTTC2431	ADVANCED MILL	4
	CTS - Mill Operator	**21**
MTTC2110	BLUEPRINT READING	3
MTTC2120	INTRODUCTION TO MACHINE TOOLS	6
MTTC2310	BASIC LATHE I	4
MTTC2410	BASIC MILL I	4
MTTC2710	CNC	6
	CTS - CNC Operator	**23**

MASONRY
Technical Diploma

The purpose of this program is to provide specialized classroom instruction and practical experience to prepare students for employment in the masonry field. It prepares individuals to lay brick and block in the construction or repair of walls, partitions, paving, arches, foundations, fireplaces, and chimneys. This includes layout, spacing, alignment, estimating, bonding, cutting, and shaping of brick and block using hand and power tools.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**47 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -62; Math - 36; Engl./Writ. – 32** **ACT Scores: Read - 13; Math - 16; Engl./Writ. - 13**
Approximate Total Cost of Books and Supplies:	**$184.27**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	**FRESHMAN SEMINAR**	**1**
MSNY1110	**INTRODUCTION AND SAFETY**	**1**
MSNY1120	**TOOLS AND EQUIPMENT**	**2**
MSNY1151	**MASONRY UNITS**	**1**
MSNY1210	**MORTAR**	**2**
MSNY1231	**BRICK LAYING**	**4**
MSNY2531	**FOUNDATIONS AND FOOTINGS**	**1**
	TCA – Masonry Helper	**12**
MSNY1311	**BRICK STEPS**	**3**
MSNY1321	**PIERS, PILASTERS, AND CHASES**	**4**
MSNY2521	**LAYING CONCRETE BLOCK**	**4**
MSNY1130	**MASONRY MATH**	**3**
MSNY1411	**PAVEMENTS AND PANEL WALLS**	**3**
MSNY1421	**ARCHES**	**4**
	CTS – Mason Apprentice	**33**
MSNY1140	**BLUEPRINT READING**	**3**
MSNY1160	**ESTIMATING**	**3**
JOBS2450	**JOB SEEKING SKILLS**	**2**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
MSNY2621	**CHIMNEYS AND FIREPLACES**	**4**
	TD – Mason, Two-Year Apprentice	**47**
	<u>**Optional Electives**</u>	
CSRV1000	**CUSTOMER SERVICE**	**3**

CSRV2000	**CUSTOMER SERVICE & SALES**	**3**
ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	**3**
	With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.	
MSNY2991	**SPECIAL PROJECTS I**	**1**
MSNY2993	**SPECIAL PROJECTS II**	**2**
MSNY2995	**SPECIAL PROJECTS III**	**3**
MSNY2996	**SPECIAL PROJECTS IV**	**3**
MSNY2997	**PRACTICUM**	**3**
MSNY2999	**COOPERATIVE EDUCATION**	**3**

NONDESTRUCTIVE TESTING TECHNOLOGY
Technical Diploma

The purpose of this program is to provide specialized classroom instruction and practical experience as per the American Society for Nondestructive Testing standards and to prepare students for employment as an NDT Technician.

The NDT program generally prepares individuals to perform in radiation safety, applied math, applied physics, ultrasonic, and manufacturing processes as pertaining to the field of nondestructive testing.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**47 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -77; Math - 40; Engl./Writ. – 42** **ACT Scores: Read - 18; Math - 16; Engl./Writ. - 16**
Approximate Total Cost of Books and Supplies:	**$184.27**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
ORNT1000	**FRESHMAN SEMINAR**	1
NDTT1140	**NONDESTRUCTIVE TESTING I**	4
NDTT1230	**NONDESTRUCTIVE TESTING II**	5
	TCA – NDT Trainee	10
NDTT1210	**NONDESTRUCTIVE TESTING MATHEMATICS**	4
NDTT1220	**NONDESTRUCTIVE TESTING PHYSICS**	4
CPTR1000	**INTRODUCTION TO COMPUTERS**	2
NDTT1311	**NONDESTRUCTIVE TESTING DRAFTING**	3
NDTT1324	**NONDESTRUCTIVE TESTING III**	6
	CTS – NDT Quality Control Assistant (TCA-NDT Trainee plus above courses)	29
NDTT1151	**NONDESTRUCTIVE TESTING TECHNICAL REPORT WRITING**	1
NDTT1426	**NONDESTRUCTIVE TESTING IV**	6
NDTT1340	**MANUFACTURING PROCESSES**	3
NDTT1450	**RADIATION SAFETY**	2
NDTT1240	**NONDESTRUCTIVE TESTING BLUEPRINT READING & SKETCHING**	1
NDTT1330	**WORKING IN THE NONDESTRUCTIVE TESTING INDUSTRY**	3
JOBS2450	**JOB SEEKING SKILLS**	2
	TD – Nondestructive Testing Technology	47
	<u>**Optional Electives**</u>	
CSRV1000	**CUSTOMER SERVICE**	3

CSRV2000	**CUSTOMER SERVICE & SALES**	**3**
ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	**3**

With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.

NDTT2991	**SPECIAL PROJECTS I**	**1**
NDTT2993	**SPECIAL PROJECTS II**	**2**
NDTT2995	**SPECIAL PROJECTS III**	**3**
NDTT2996	**SPECIAL PROJECTS IIV**	**3**
NDTT2997	**PRACTICUM**	**3**
NDTT2999	**COOPERATIVE EDUCATION**	**3**

PRACTICAL NURSING
Technical Diploma

The Practical Nursing program is designed to prepare the student to meet the licensure requirements for Licensed Practical Nurse (LPN), as established by the Louisiana State Board of Practical Nurse Examiners (LSBPNE). The program progresses from simple to complex and consists of classroom instruction; lab practicum and supervised clinical activities in accredited hospitals, nursing homes, and other health care agencies.

Students should note that some courses have prerequisites, which must be successfully completed before enrolling into upper level courses and continuing in the program. Students must demonstrate basic computer skills prior to advancement into the acute care clinical component of the program. Practical Nursing Program Coordinators or their designees may assess a student's basic computer skills by administering a competency exam or having the student successfully complete the CPTR 1000 or a comparable computer course.

Articulated courses are determined at the discretion of the Practical Nurse Program Coordinator and based upon individual evaluation as described in the 2005 Louisiana Nursing Education Articulation Model.

Each course in the PN program must be successfully completed with a minimum score of 80%. Upon graduation, the student is awarded a diploma and is eligible to take the National Council of State Boards Licensure Examination for Practical Nurses (NCLEX-PN).

Enrollment Schedule:	**Fall and spring semesters**
Length of Program:	**58 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements: (required)	**COMPASS Scores: Read -85; Math - 48; Engl./Writ. – 68** **ACT Scores: Read - 20; Math - 18; Engl./Writ. - 18**
Approximate Total Cost of Books and Supplies:	**$2,608.17**
Licensure/Certification:	**Practical Nurse License issued by Louisiana State Board of Practical Nurse Examiners**

Course Number	Course Title	Total Credit Hours
	Pre-Requisite Courses:	
	Pre-requisite courses may be exempted based on entrance test scores or successful completion of previous college level courses.	
AHSC1000	**ALLIED HEALTH SCIENCE**	3
AHMA1000	**ALLIED HEALTH MATH**	3
AHRE1000	**ALLIED HEALTH READING**	3
AHEN1000	**ALLIED HEALTH ENGLISH**	3
ORNT1000	**FRESHMAN SEMINAR**	1
	Required Practical Nursing courses:	

HNUR1211	**NURSING FUNDAMENTALS I**	**4**
HNUR1212	**GERIATRIC CLINICAL I**	**1**
	TCA – Health Aide	**5**
HNUR1270	**PRACTICAL NURSING PERSPECTIVES**	**3**
HNUR1300	**ANATOMY & PHYSIOLOGY FOR HEALTHCARE PROVIDERS**	**5**
HNUR1320	**NUTRITIONAL ASPECTS**	**2**
HNUR1361	**BASIC PHARMACOLOGY**	**3**
HNUR1411	**NURSING FUNDAMENTALS II**	**3**
HNUR1460	**ADVANCED PHARMACOLOGY**	**2**
HNUR2113	**MEDICAL SURGICAL I**	**8**
HNUR2123	**MEDICAL SURGICAL II**	**8**
HNUR2133	**MEDICAL SURGICAL III**	**8**
HNUR2523	**MENTAL ILLNESS/PSYCHIATRIC NURSING**	**2.5**
HNUR2611	**IV THERAPY**	**1**
HNUR2713	**OBSTETRICS**	**2.5**
HNUR2723	**PEDIATRICS**	**2.5**
HNUR2813	**PN LEADERSHIP & MANAGEMENT**	**2.5**
	TD - Practical Nursing	**58**

Program Coordinators have the option to substitute HNUR 2523, 2713, or 2723 with approved courses if needed to avoid clinical scheduling conflicts.

<u>Optional Electives</u>

CSRV1000	**CUSTOMER SERVICE**	**3**
CSRV2000	**CUSTOMER SERVICE & SALES**	**3**
ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	**3**

The following courses may not be substituted for the above course requirements.

HNUR2991	**SPECIAL PROJECTS I**	**1**
HNUR2993	**SPECIAL PROJECTS II**	**2**
HNUR2995	**SPECIAL PROJECTS III**	**3**
HNUR2996	**SPECIAL PROJECTS IV**	**3**

WELDING
Technical Diploma

The purpose of the Welding Program is to prepare individuals for employment in the field of welding. Instruction is provided in various processes and techniques of welding including oxyfuel cutting, carbon arc cutting, shielded metal arc welding, gas tungsten arc welding, flux-cored arc welding, gas metal arc welding, pipe-welding, plasma arc cutting, blueprint reading, weld symbols, and joints. After completion of this program, the student will have covered the skills designated by the AWS (American Welding Society) and will be prepared to take the AWS Entry Level Welder test.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**60 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -62; Math - 36; Engl./Writ. – 32** **ACT Scores: Read - 13; Math - 16; Engl./Writ. - 13**
Approximate Total Cost of Books and Supplies:	**$831.57**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
	The following program course listings and exit points are non-sequential and delivered depending on industry need and student selection. Courses are required to be taken only once if successfully completed to satisfy exit credentials. The student advisor will assist in proper course sequencing to obtain exit credentials. Additional industry specific courses can be developed as needed.	
WELD1110	**OCCUPATIONAL ORIENTATION & SAFETY**	**3**
WELD1120	**BASIC BLUEPRINT, METALLURGY & WELD SYMBOLS**	**3**
WELD1130	**WELDING INSPECTION & TESTING**	**2**
WELD1140	**ELECTRICAL FUNDAMENTALS**	**2**
WELD1210	**OXYFUEL SYSTEMS**	**2**
WELD1310	**CUTTING PROCESSES - CAC/PAC**	**2**
WELD1410	**SMAW - BASIC BEADS**	**2**
WELD1411	**SMAW - FILLET WELD**	**3**
WELD1412	**SMAW - V-GROOVE BU/GOUGE**	**3**
WELD2110	**FCAW - BASIC FILLET WELDS**	**3**
WELD2111	**FCAW - GROOVE WELDS**	**3**
WELD2210	**GTAW - BASIC MULTI-JOINT**	**3**
WELD2230	**GTAW - ALUMINUM MULTI-JOINT**	**3**
WELD2310	**GMAW - BASIC FILLET WELD**	**3**
WELD2311	**GMAW - GROOVE WELD**	**3**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
JOBS2450	**JOB SEEKING SKILLS**	**2**
	Program Core Totals	**44**
	To meet the requirements to earn a diploma, students must complete the program core and select an additional minimum of 16 credits from ANY of	**16**

the courses listed as "Required Electives."

TD - Welding   **60**

REQUIRED ELECTIVES

SMAW Process

WELD1420	SMAW - V-GROOVE OPEN	4
WELD1510	SMAW - PIPE 2G	4
WELD1511	SMAW - PIPE 5G	4
WELD1512	SMAW - PIPE 6G	4
WELD1610	SMAW STAINLESS STEEL (W-SS) MULTI-JOINT	4
WELD1620	SMAW STAINLESS STEEL (SMAW-SS) 5G PIPE	4
WELD1621	SMAW STAINLESS STEEL (SMAW-SS) 2G PIPE	4
WELD1622	SMAW STAINLESS STEEL (SMAW-SS) 6G PIPE	4

FCAW Process

WELD2112	FCAW PIPE 5G	4
WELD2113	FCAW PIPE 2G	4
WELD2114	FCAW PIPE 6G	4

GTAW Process

WELD2220	GTAW PIPE 5G	4
WELD2221	GTAW PIPE 2G	4
WELD2222	GTAW PIPE 6G	4
WELD2240	GTAW LOW ALLOY (GTAW-LA) 5G PIPE	4
WELD2241	GTAW LOW ALLOY (GTAW-LA) 2G PIPE	4
WELD2242	GTAW LOW ALLOY (GTAW-LA) 6G PIPE	4
WELD2250	GTAW STAINLESS STEEL (GTAW-SS) 5G PIPE	4
WELD2251	GTAW STAINLESS STEEL (GTAW-SS) 2G PIPE	4
WELD2252	GTAW STAINLESS STEEL (GTAW-SS) 6G PIPE	4
WELD2260	GTAW ALUMINUM (GTAW-AL) 5G PIPE	4
WELD2261	GTAW ALUMINUM (GTAW-AL) 2G PIPE	4
WELD2262	GTAW ALUMINUM (GTAW-AL) 6G PIPE	4

GMAW Process

WELD2320	GMAW - PIPE 2G	4
WELD2321	GMAW - PIPE 5G	4
WELD2322	GMAW - PIPE 6G	4
WELD2330	GMAW - ALUMINUM MULTI-JOINT	4
WELD2340	GMAW ALUMINUM (GMAW-AL) 5G PIPE	4
WELD2341	GMAW ALUMINUM (GMAW-AL) 2G PIPE	4
WELD2342	GMAW ALUMINUM (GMAW-AL) 6G PIPE	4

Advanced Procedures

WELD1121	ADVANCED BLUEPRINT READING	4
WELD2410	AUTOMATED WELDING PROCESSES	3
WELD2420	CONSTRUCTION PROCEDURES I	2
WELD2421	CONSTRUCTION PROCEDURES II	2
WELD2422	CONSTRUCTION PROCEDURES III	2

WELD2423	CONSTRUCTION PROCEDURES IV	2
WELD2430	MAINTENANCE PROCEDURES I	2
WELD2431	MAINTENANCE PROCEDURES II	2
WELD2432	MAINTENANCE PROCEDURES III	2
WELD2433	MAINTENANCE PROCEDURES IV	2
WELD2440	MANUFACTURING PROCEDURES I	2
WELD2441	MANUFACTURING PROCEDURES II	2
WELD2442	MANUFACTURING PROCEDURES III	2
WELD2443	MANUFACTURING PROCEDURES IV	2
WELD2450	MARINE PROCEDURES I	2
WELD2451	MARINE PROCEDURES II	2
WELD2452	MARINE PROCEDURES III	2
WELD2453	MARINE PROCEDURES IV	2
WELD2460	PIPING PROCEDURES I	2
WELD2461	PIPING PROCEDURES II	2
WELD2462	PIPING PROCEDURES III	2
WELD2463	PIPING PROCEDURES IV	2
WELD2470	PRESSURE VESSEL PROCEDURES I	2
WELD2471	PRESSURE VESSEL PROCEDURES II	2
WELD2472	PRESSURE VESSEL PROCEDURES III	2
WELD2473	PRESSURE VESSEL PROCEDURES IV	2
WELD2480	SHIPBUILDING PROCEDURES I	2
WELD2481	SHIPBUILDING PROCEDURES II	2
WELD2482	SHIPBUILDING PROCEDURES III	2
WELD2483	SHIPBUILDING PROCEDURES IV	2
WELD2490	STRUCTURAL PROCEDURES I	2
WELD2491	STRUCTURAL PROCEDURES II	2
WELD2492	STRUCTURAL PROCEDURES III	2
WELD2493	STRUCTURAL PROCEDURES IV	2
	Approved Electives	
WELD2883	BASIC SKILLS EVALUATION	1
WELD2885	ADVANCED SKILLS EVALUATION	1
WELD2893	SMAW CERTIFICATION PREPARATION	3
WELD2895	FCAW CERTIFICATION PREPARATION	3
WELD2897	GTAW CERTIFICATION PREPARATION	3
WELD2899	GMAW CERTIFICATION PREPARATION	3
WELD2996	CERTIFICATION I	4
WELD2997	PRACTICUM	3
WELD2999	COOPERATIVE EDUCATION	3
WELD2991	SPECIAL PROJECTS I	1
WELD2993	SPECIAL PROJECTS II	2
WELD2995	SPECIAL PROJECTS III	3
WELD2992	SPECIAL PROJECTS IV	2

WELD2994	SPECIAL PROJECTS V	4
WELD2990	SPECIAL PROJECTS VI	6
	Optional Electives	
CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3
ENTP1000	FOUNDATIONS OF ENTREPRENEURSHIP	3
	Certificate Exit Levels are Below:	
WELD1110	OCCUPATIONAL ORIENTATION & SAFETY	3
WELD1140	ELECTRICAL FUNDAMENTALS	2
	TCA - Welder Helper	5
WELD1110	OCCUPATIONAL ORIENTATION & SAFETY	3
WELD1210	OXYFUEL SYSTEMS	2
	TCA - Thermal Cutter	5
WELD1110	OCCUPATIONAL ORIENTATION & SAFETY	3
WELD1140	ELECTRICAL FUNDAMENTALS	2
WELD1310	CUTTING PROCESSES - CAC/PAC	2
	TCA - Arc Cutter	7
WELD2883	BASIC SKILLS EVALUATION	1
	OR	
WELD2885	ADVANCED SKILLS EVALUATION	1
WELD1110	OCCUPATIONAL ORIENTATION & SAFETY	3
	PLUS - A minimum of 4 credits from the list of Required Electives	4
	TCA - Arc Welder Skills Upgrade	8
WELD1110	OCCUPATIONAL ORIENTATION & SAFETY	3
WELD1120	BASIC BLUEPRINT, METALLURGY & WELD SYMBOLS	3
WELD1210	OXYFUEL SYSTEMS	2
WELD1410	SMAW - BASIC BEADS	2
	TCA - Tack Welder/Fitter Helper	10
WELD1110	OCCUPATIONAL ORIENTATION & SAFETY	3
WELD1140	ELECTRICAL FUNDAMENTALS	2
WELD1210	OXYFUEL SYSTEMS	2
WELD1410	SMAW - BASIC BEADS	2
	PLUS -- Any ONE below	3
WELD1411	SMAW - FILLET WELD	3
WELD2110	FCAW - BASIC FILLET WELDS	3
WELD2210	GTAW - BASIC MULTI-JOINT	3
WELD2310	GMAW - BASIC FILLET WELD	3
	TCA - Production Line Welder	12
WELD1110	OCCUPATIONAL ORIENTATION & SAFETY	3
WELD1140	ELECTRICAL FUNDAMENTALS	2
WELD1210	OXYFUEL SYSTEMS	2
WELD1310	CUTTING PROCESSES - CAC/PAC	2
WELD1410	SMAW - BASIC BEADS	2

	PLUS - Any ONE Advanced Procedures course	2
	PLUS - 12 credits from list below	12
WELD1411	SMAW - FILLET WELD	3
WELD1412	SMAW - V-GROOVE BU/GOUGE	3
WELD2110	FCAW - BASIC FILLET WELDS	3
WELD2111	FCAW - GROOVE WELDS	3
WELD2210	GTAW - BASIC MULTI-JOINT	3
WELD2230	GTAW - ALUMINUM MULTI-JOINT	3
WELD2310	GMAW - BASIC FILLET WELD	3
WELD2311	GMAW - GROOVE WELD	3
	CTS - Production Line Welder II	**25**
WELD1110	OCCUPATIONAL ORIENTATION & SAFETY	3
WELD1140	ELECTRICAL FUNDAMENTALS	2
WELD1210	OXYFUEL SYSTEMS	2
WELD1410	SMAW - BASIC BEADS	2
WELD2110	FCAW - BASIC FILLET WELDS	3
WELD2480	SHIPBUILDING PROCEDURES I	2
WELD1130	WELDING INSPECTION & TESTING	2
WELD1411	SMAW - FILLET WELD	3
WELD1310	CUTTING PROCESSES - CAC/PAC	2
WELD2111	FCAW - GROOVE WELDS	3
WELD2481	SHIPBUILDING PROCEDURES II	2
	CTS - Production Line Welder - Shipbuilding	**26**
WELD1110	OCCUPATIONAL ORIENTATION & SAFETY	3
WELD1140	ELECTRICAL FUNDAMENTALS	2
WELD1210	OXYFUEL SYSTEMS	2
WELD1310	CUTTING PROCESSES - CAC/PAC	2
WELD2210	GTAW - BASIC MULTI-JOINT	3
	PLUS ANY 3 courses from the GTAW Required Electives	12
	CTS - Arc Welder - GTAW	**24**
WELD1110	OCCUPATIONAL ORIENTATION & SAFETY	3
WELD1140	ELECTRICAL FUNDAMENTALS	2
WELD1210	OXYFUEL SYSTEMS	2
WELD1310	CUTTING PROCESSES - CAC/PAC	2
WELD2310	GMAW - BASIC FILLET WELD	3
WELD2311	GMAW - GROOVE WELD	3
	PLUS ANY 3 courses from the GMAW Required Electives	12
	CTS - Arc Welder - GMAW	**27**
WELD1110	OCCUPATIONAL ORIENTATION & SAFETY	3
WELD1140	ELECTRICAL FUNDAMENTALS	2
WELD1210	OXYFUEL SYSTEMS	2
WELD1310	CUTTING PROCESSES - CAC/PAC	2
WELD2110	FCAW - BASIC FILLET WELDS	3

WELD2111	FCAW - GROOVE WELDS	3
	PLUS ANY 3 courses from the FCAW Required Electives	12
	CTS - Arc Welder - FCAW	27
WELD1110	OCCUPATIONAL ORIENTATION & SAFETY	3
WELD1140	ELECTRICAL FUNDAMENTALS	2
WELD1210	OXYFUEL SYSTEMS	2
WELD1310	CUTTING PROCESSES - CAC/PAC	2
WELD1410	SMAW - BASIC BEADS	2
WELD1411	SMAW - FILLET WELD	3
WELD1412	SMAW - V-GROOVE BU/GOUGE	3
WELD1420	SMAW - V-GROOVE OPEN	4
	PLUS ANY 3 courses from the SMAW Required Electives	12
	CTS - Arc Welder - SMAW	33

CERTIFICATE OF TECHNICAL STUDIES PROGRAMS

Clinical Laboratory Assistant
Heavy Equipment Operator
Medical Assistant
Patient Care Technician
Pharmacy Technician

Note: The exit points are indicated in each curriculum. Complete program content can be found at www.ltc.edu.

Codes for exit points are as follows:

TCA - Technical Competency Area
CTS - Certificate of Technical Studies

CLINICAL LABORATORY ASSISTANT
Certificate of Technical Studies

This program prepares students for employment in private and large group physician's offices, clinics, and hospitals. This certificate prepares individuals to apply technical skills and knowledge in the areas of phlebotomy, administrative, and clinical laboratory procedures. Upon completion of this competency-based program, students are eligible to take the National Certification exam from the American Medical Technologist Allied Health Professionals—Certified Medical Laboratory Assistant (CMLA). The Louisiana State Board of Medical Examiners has a licensure classification for Clinical Laboratory Personnel.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**25 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -62; Math - 25; Engl./Writ. – 32** **ACT Scores: Read - 13; Math - 14; Engl./Writ. - 13**
Approximate Total Cost of Books and Supplies:	**$1,204.00**
Licensure/Certification:	**Certified Medical Laboratory Assistant**

Course Number	Course Title	Total Credit Hours
HNUR1211	NURSING FUNDAMENTALS I	4
MAST1210	ADMINISTRATIVE PROCEDURES I	4
HCOR1160	PROFESSIONALISM FOR HEALTHCARE PROVIDERS	1
HPHL1011	PHLEBOTOMY PRINCIPLES	3
HPHL1022	PHLEBOTOMY PROCEDURES/SKILLS	6
CLTS1030	INTRODUCTION TO CLINICAL LABORATORY SCIENCE	2
CLTS2450	URINALYSIS	2
CLAS2050	CLINICAL LABORATORY ASSISTANT-CLINICAL PRACTICUM	3
	CTS – Clinical Laboratory Assistant	**25**

HEAVY EQUIPMENT OPERATOR
Certificate of Technical Studies

The Heavy Equipment Operator program is a short-term training course designed to prepare students to enter the heavy construction industry. Program content includes instruction in general construction site safety, safe operation and maintenance of diesel powered heavy equipment, identification of common equipment/vehicle components, documentation and verification of loads, grades, equipment inspections, earthmoving operations and site plans, defensive driving skills in the operation of off-road equipment, safety measures for transporting heavy equipment and actual driving and maneuvering of heavy equipment used in the construction industry.

This CTS program is a portion of the Heavy Construction Vehicle Operator program.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**28 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -62; Math - 25; Engl./Writ. – 32** **ACT Scores: Read - 13; Math - 14; Engl./Writ. - 13**
Approximate Total Cost of Books and Supplies:	**$1,204.00**
Licensure/Certification:	**None**

Course Number	Course Title	Total Credit Hours
HCVO1000	**INTRODUCTION TO CONSTRUCTION**	**2**
HCVO1010	**CONSTRUCTION SAFETY**	**3**
HCVO1011	**FORKLIFTS (Certification)**	**1**
JOBS2450	**JOB SEEKING SKILLS**	**2**
	TCA – NCCER Core Certification	**8**
HCVO1110	**HEAVY EQUIPMENT ORIENTATION AND SAFETY**	**1**
HCVO1111	**BASIC OPERATIONAL TECHNIQUES**	**1**
HCVO1120	**GRADES PART I**	**1**
HCVO1121	**GRADES PART II**	**2**
HCVO1130	**INTRODUCTION TO EARTH MOVING**	**2**
HCVO1131	**DUMP TRUCK**	**1**
HCVO1200	**TRACTORS**	**1**
HCVO1210	**ROLLERS**	**1**
HCVO1220	**SCRAPERS**	**1**
HCVO1230	**LOADERS**	**1**
	TCA – Heavy Equipment Operator	**12**
HEOP1310	**HEAVY EQUIPMENT OPERATIONS 1**	**2**
HEOP1320	**HEAVY EQUIPMENT OPERATIONS 2**	**3**

HEOP1330	**HEAVY EQUIPMENT OPERATIONS 3**	**3**
	TCA –Heavy Equipment Operations	**8**
	CTS – Heavy Equipment Operator	**28**
HCVO2991	**SPECIAL PROJECTS I**	**1**
HCVO2993	**SPECIAL PROJECTS II**	**2**
HCVO2995	**SPECIAL PROJECTS III**	**3**
HCVO2996	**SPECIAL PROJECTS IV**	**3**
HCVO2998	**SPECIAL PROJECTS V**	**1**

MEDICAL ASSISTANT
Certificate of Technical Studies

This program prepares individuals for employment in private and large group physician's offices, clinics, hospitals, medical records, laboratories and/or insurance companies. Supervised/preceptor clinical activities are included. Prior to clinical, the student must present CPR card for Basic Life Support for Health Care Providers.

Upon completion of this competency-based program, students are eligible to take the National Certification exam from the National Association for Health Professionals.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**30 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -62; Math - 25; Engl./Writ. – 32 ACT Scores: Read - 13; Math - 14; Engl./Writ. - 13**
Approximate Total Cost of Books and Supplies:	**$1,204.00**
Licensure/Certification:	**National certification exam available**

Course Number	Course Title	Total Credit Hours
HMDT1170	MEDICAL TERMINOLOGY	1
HCOR1120	BASIC BODY STRUCTURE & FUNCTION	2
MAST1110	INTRODUCTION TO MEDICAL ASSISTANT	1
MAST1120	LAW & ETHICS FOR MEDICAL ASSISTANT	2
MAST1130	MEDICAL ASSISTANT APPLICATIONS	2
CPTR1000	INTRODUCTION TO COMPUTERS	2
MAST1210	ADMINISTRATIVE PROCEDURES I	4
MAST1220	CLINICAL PROCEDURES I	1
MAST1230	INSURANCE AND MEDICAL CODING	2
BUSE1030	BUSINESS ENGLISH	3
MAST2110	MEDICAL TRANSCRIPTION	3
MAST2130	CLINICAL PROCEDURES II	1
MAST2140	PHARMACOLOGY FOR MEDICAL ASSISTANTS	2
MAST2210	CLINICAL PROCEDURES III	1
HCOR1160	PROFESSIONALISM FOR HEALTHCARE PROVIDERS	1
MAST2222	MEDICAL ASSISTANT EXTERNSHIP	2
	CTS – Medical Assistant	**30**
	Optional Electives	
CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3

ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	**3**
	The following courses may be substituted for any of the above course requirements with the prior approval of the Chief Academic Officer.	
HCOR2991	**SPECIAL PROJECTS I**	**1**
HCOR2993	**SPECIAL PROJECTS II**	**2**
HCOR2995	**SPECIAL PROJECTS III**	**3**
HCOR2996	**SPECIAL PROJECTS IV**	**3**
HCOR2997	**SPECIAL PROJECTS V**	**1**

PATIENT CARE TECHNICIAN
(CNA/EKG/PHLEBOTOMY)
Certificate of Technical Studies

The Patient Care Technician certificate program prepares individuals for a variety of job opportunities in the health occupations areas and is generated to meet the need for cross training of employees in health care facilities. Graduates may find employment in long-term care facilities, hospitals, laboratories, and clinics where basic bedside nursing skills are required, as well as the skills of phlebotomy, performing electrocardiograms (EKG), stress testing, and holter monitoring procedures. All OBRA skill standards are included into this competency-based curriculum. The program consists of classroom/lab instruction and supervised/preceptor clinical activities. Prior to clinical, the student must present a current CPR card for Basic Life Support for Health Care Providers.

Upon successful completion of this competency-based program, students may be eligible to take certification exams in Phlebotomy, Nursing Assistant, Electrocardiogram (EKG) Technician, and/or Patient Care Technician.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**27 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -62; Math - 25; Engl./Writ. – 32** **ACT Scores: Rea.d - 13; Math - 14; Engl./Writ. - 13**
Approximate Total Cost of Books and Supplies:	**$1,092.59**
Licensure/Certification:	**Certification upon successful completion of all courses**

Course Number	Course Title	Total Credit Hours
HNUR1211	**NURSING FUNDAMENTALS I**	**4**
HCOR1212	**SKILLS APPLICATION**	**1**
	TCA - Nurse Assistant	**5**
HCOR1120	**BASIC BODY STRUCTURE AND FUNCTION**	**2**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
MAST1210	**ADMINISTRATIVE PROCEDURES I**	**4**
HEKG1011	**EKG PROCEDURES**	**3**
HMDT1170	**MEDICAL TERMINOLOGY**	**1**
	TCA - EKG Skills	**12**
HPHL1011	**PHLEBOTOMY PRINCIPLES**	**3**
HPHL1022	**PHLEBOTOMY PROCEDURES/SKILLS**	**6**
HCOR1160	**PROFESSIONALISM FOR HEALTHCARE PROVIDERS**	**1**
	TCA - Phlebotomy Skills	**10**
	CTS - Patient Care Technician	**27**
	Optional Electives	
CSRV1000	**CUSTOMER SERVICE**	**3**

CSRV2000	**CUSTOMER SERVICE & SALES**	**3**
ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	**3**

The following courses may be substituted for any of the above course requirements with prior approval of the Chief Academic Officer.

HCOR2991	**SPECIAL PROJECTS I**	**1**
HCOR2993	**SPECIAL PROJECTS II**	**2**
HCOR2995	**SPECIAL PROJECTS III**	**3**
HCOR2996	**SPECIAL PROJECTS IV**	**3**
HCOR2997	**SPECIAL PROJECTS V**	**1**

PHARMACY TECHNICIAN
Certificate of Technical Studies

The Pharmacy Technician program is structured to meet the competency standards as established by the Department of Health and Hospitals, Board of Pharmacy. The curriculum outline consists of courses designed to train students in all phases of the pharmacy technician field. This program requires classroom and lab work in areas such as medical and pharmaceutical terminology, pharmaceutical calculations, pharmacy recordkeeping, pharmaceutical techniques, pharmacy law and ethics, and customer service. An important aspect of this program is the clinical experience, which provides a bridge to future employment. The required supervised/preceptor clinical activities will be conducted in pharmacy-board approved sites such as a community pharmacy, institutional pharmacy, and/or hospital pharmacy. Prior to enrolling in clinical courses, Pharmacy Technician Candidates must register with the Pharmacy Board and possess a Pharmacy Technician Candidate Registration.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**30 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Requirements:	**COMPASS Scores: Read -70; Math - 36; Engl./Writ. – 33** **ACT Scores: Read - 15; Math - 16; Engl./Writ. - 14**
Approximate Total Cost of Books and Supplies:	**$1,204.00**
Licensure/Certification:	**National certification exam available upon successful completion of all courses**

Course Number	Course Title	Total Credit Hours
	Pre-requisite Courses	
ORNT1000	**FRESHMAN SEMINAR**	**1**
CPTR1000	**INTRODUCTION TO COMPUTERS**	**2**
	Required Core Courses	
HPHM1200	**PHARMACY TECHNICIAN FUNDAMENTALS**	**3**
HPHM1300	**PHARMACY LAWS & ETHICS**	**3**
HPHM1400	**PHARMACY MATH & DOSAGE CALCULATIONS**	**2**
HPHM1503	**PHARMACOLOGY FOR PHARMACY TECHNICIANS I**	**5**
HPHM1513	**PHARMACOLOGY FOR PHARMACY TECHNICIANS II**	**5**
HPHM2000	**PROFESSIONALISM FOR PHARMACY TECHNICIANS**	**3**
HPHM2012	**PHARMACY CLINICAL EXTERNSHIP I**	**4**
HPHM2012	**PHARMACY CLINICAL EXTERNSHIP II**	**5**
	CTS – Pharmacy Technician	**30**

TECHNICAL COMPETENCY AREA PROGRAMS

Commercial Vehicle Operations
Medical Attendant Certified
Nurse Assistant
Phlebotomy

Note: The exit points are indicated in each curriculum. Complete program content can be found at www.ltc.edu.

Codes for exit points are as follows:

TCA - Technical Competency Area

COMMERCIAL VEHICLE OPERATIONS
Technical Competency Area

The purpose of this program is to prepare individuals for employment as professional tractor-trailer drivers. The program is a short-term training course designed to prepare students to enter the truck driving industry. The program content includes instruction in operating diesel powered tractor-trailer rigs, identifying common vehicle components, defensive driving skills, actual driving on rural, urban and interstate highways, handling cargo, backing and maneuvering tractor-trailers, documentation and verification of loads, logging and the performance of vehicle inspections.

Enrollment Schedule:	**Contact the Acadian Campus for details.**
Length of Program:	**10 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Recommenations:	**COMPASS Scores: Read -62;** **ACT Scores: Read - 13**
Approximate Total Cost of Books and Supplies:	**$1,204.00**
Licensure/Certification:	**Licensure available upon successful completion of all courses**

Course Number	Course Title	Total Credit Hours
CTDP1110	**INTRODUCTION TO COMMERCIAL VEHICLE OPERATION**	3
CTDP1120	**FEDERAL MOTOR CARRIER SAFETY REGULATIONS**	2
CTDP1131	**COMMERCIAL VEHICLE INSPECTIONS**	1
CTDP1140	**COMMERCIAL VEHICLE BASIC SKILLS**	2
CTDP1211	**COMMERCIAL VEHICLE OPERATIONS I**	2
	TCA – Commercial Vehicle Operator	10
	Optional Electives	
CSRV1000	**CUSTOMER SERVICE**	3
CSRV2000	**CUSTOMER SERVICE & SALES**	3
ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	3

MEDICATION ATTENDANT CERTIFIED
Technical Competency Area

The Medication Attendant Certified (MAC) program prepares individuals for employment in approved long-term care facilities as certified medication attendants. The course meets the minimum standards set by the Department of Health & Hospitals for MACs. It addresses training and competency directed towards the provision of safe, effective and timely administration of medications to nursing home residents by medication attendants. This is a new program mandated by the Louisiana legislature in HB 246, to assist in relieving the shortage of licensed nurses by training approved unlicensed personnel to administer medications in authorized nursing homes. Graduates will be eligible to seek certification from Louisiana's Department of Health and Hospitals via the approved statewide competency exam.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**6 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Recommendations:	**COMPASS Scores: Read -64, Math – 31, English/Writ. - 25** **ACT Scores: Read – 13, Math – 13, English/Writ. - 13**
Approximate Total Cost of Books and Supplies:	**$1,204.00**
Licensure/Certification:	**National certification exam available upon successful completion of all courses**

Course Number	Course Title	Total Credit Hours
HMAC1103	FUNDAMENTALS OF MEDICATION ATTENDANTS	6
	TCA – Medication Attendant Certified	6

NURSING ASSISTANT
Technical Competency Area

The Nurse Assistant certificate program prepares students for employment in long-term care facilities, home health agencies, and hospitals where basic bedside nursing care is needed. Classroom instruction includes an introduction to health care, essential OBRA skills required for certification, body structure and function, and the job-seeking process, with an introduction to computer skills, as it relates to the health care industry. Students participate in clinical activities at approved facilities under the supervision of the instructor. Upon successful completion of this program, the student is qualified for universal certification and employment in the areas of long-term care, home health care, and acute care.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**4 or 5 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Recommendations:	**COMPASS Scores: Read -62** **ACT Scores: Read - 13**
Approximate Total Cost of Books and Supplies:	**$1,204.00**
Licensure/Certification:	**National certification exam available upon successful completion of all courses**

Course Number	Course Title	Total Credit Hours
HNUR1211	**NURSING FUNDAMENTALS I**	**4**
HCOR1212	**SKILLS APPLICATION**	**1**
	TCA – Nurse Assistant	**5**
	Or	
HCOR1213	**NURSE ASSISTANT REFRESHER COURSE**	**4**
	Enrollment in HCOR 1213 will require proof of attainment of previous Nurse Assistant certification.	
	TCA – Nurse Assistant	**4**
	Optional Electives	
CSRV1000	**CUSTOMER SERVICE**	**3**
CSRV2000	**CUSTOMER SERVICE & SALES**	**3**
ENTP1000	**FOUNDATIONS OF ENTREPRENEURSHIP**	**3**
	The following courses may not be substituted for the above requirements without the approval of the Chief Academic Officer.	
HCOR2991	**SPECIAL PROJECTS I**	**1**
HCOR2993	**SPECIAL PROJECTS II**	**2**
HCOR2995	**SPECIAL PROJECTS III**	**3**
HCOR2996	**SPECIAL PROJECTS IV**	**3**
HCOR2997	**SPECIAL PROJECTS V**	**1**

PHLEBOTOMY
Technical Competency Area

This program prepares individuals to obtain blood specimens by venipuncture, capillary collection, and micro-collection techniques. They collect and transport laboratory specimens and administer certain tests and are trained to work as laboratory and mortician assistants. Phlebotomists may be employed in private or large group physicians' offices, clinics, hospitals, private laboratories, and as coroner/mortician assistants. The program consists of classroom/lab instruction and supervised/preceptor clinical activities. Prior to clinical, the student must present a current CPR card for Basic Life Support for Health Care Providers.

Upon completion of this competency-based program, students are eligible to take the national certification exam from the American Society of Phlebotomy Technicians, Inc.

Enrollment Schedule:	**Beginning of a semester**
Length of Program:	**14 Semester Credit Hours**
Education Requirements:	**High School Diploma or GED**
Placement Exam Recommendations:	**COMPASS Scores: Read -62** **ACT Scores: Read - 13**
Approximate Total Cost of Books and Supplies:	**$1,204.00**
Licensure/Certification:	**National certification exam available upon successful completion of all courses**

Course Number	Course Title	Total Credit Hours
HCOR1110	INTRODUCTION TO HEALTH CARE	1
HPHL1011	PHLEBOTOMY PRINCIPLES	3
HMDT1170	MEDICAL TERMINIOLOGY	1
Hphl1022	PHLEBOTOMY PROCEDURES/SKILLS	6
HCOR1160	PROFESSIONALISM FOR HEALTHCARE PROVIDERS	1
HCOR1120	BASIC BODY STRUCTURE AND FUNCTION	2
	TCA – Phlebotomy Skills	14
	Optional Electives	
CSRV1000	CUSTOMER SERVICE	3
CSRV2000	CUSTOMER SERVICE & SALES	3
ENTP1000	FOUNDATIONS OF ENTREPRENEURSHIP	3