



[Fast Forward](#) will allow students to earn either a [Jump Start TOPS Tech Career Diploma](#) or a [TOPS University Diploma](#) while simultaneously earning an associate degree or participating in a Louisiana Workforce Commission recognized [pre-apprenticeship or apprenticeship](#) that either prepares graduates for career or continuing postsecondary education.

In this program, students spend the majority of grades 9 and 10 on the high school campus earning core graduation requirements. In grades 11 and 12 they spend the majority of time on the postsecondary campus or Board of Regents approved satellite site dually enrolled in courses to complete graduation requirements as well as earning an associate degree or participating in a pre-apprenticeship or apprenticeship opportunity.

Grants were awarded in each [Regional Labor Market Area](#) (RLMA) to kick start this initiative funded by the Louisiana Department of Education (LDOE) and the Louisiana Board of Regents (BoR). Lead school systems met with other interested school systems, economic development organizations, business and industry partners and postsecondary institutions in the region to develop pathway frameworks approved by the Board of Elementary and Secondary Education (BESE) in June. 39 pathways were developed in the 8 RLMAs based on future job forecasting for each region.

Fast Forward Grant Lead School Systems	
RLMA	School System
1	Jefferson
2	East Baton Rouge
3	Assumption
4	St. Landry
5	Vernon
6	Rapides
7	DeSoto
8	Richland

These 39 pathways are approved for statewide use with the approved postsecondary and apprenticeship organizations. **These pathway frameworks are an outline of how the approved courses can be implemented. Schools may opt to rearrange the order of course sequencing in order to meet local scheduling requirements. While these frameworks have been vetted to meet current high school and postsecondary graduation requirements, school personnel and postsecondary institutions should collaborate to ensure that all current graduation and degree requirements are met if adopting a**



framework for use. Additionally, Fast Forward pathways are dynamic and the Jump Start Review Panel will consider course equivalents on an as needed basis.

Schools/school systems may take approved pathways and use them with the approved postsecondary or apprenticeship organization or map them out to additional postsecondary institutions with assistance from the postsecondary institution, the LDOE and the BoR. Please contact stephanie.marcum@la.gov to set up technical assistance visits to map to alternate postsecondary sites. Note that technical pathway course sequences between institutions that do not have equivalent course requirements may require BESE approval to be labeled Fast Forward pathways.

Schools/school systems may create new pathways that align to the economic forecasts for the region to be considered for approval by BESE each June. TOPS University Diploma pathways can be easily mapped out without changing any graduation requirements and used immediately, but should be brought forth to BESE in June for formal approval, labeling as a Fast Forward pathway and inclusion in the state approved catalog. New Jump Start 2.0 TOPS Tech Career Diploma pathways require formal approval of the Graduation Review Panel and BESE to meet graduation requirements with respect to the approved 9 courses in the pathway and to allow the technical courses to get an official Louisiana course code and become Career Development Fund (CDF) eligible. Please contact stephanie.marcum@la.gov to set up technical assistance in creating new pathways and to get the deadlines for the approval process.



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REGION 1



Jump Start 2.0 Pre-apprenticeship: Nursing

Postsecondary Partner: [Ochsner Health](#) dual enrollment courses taken at [Delgado Community College](#)

Overview

The nursing apprenticeship is set-up to allow students the opportunity to gain knowledge, earn postsecondary credit and experience work-based learning on the way to becoming a Registered Nurse (RN). Students who complete this pathway will be able to directly enter the workforce via Ochsner’s state registered nursing apprenticeship and will also be well on the way to a Registered Nursing degree.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Phlebotomy -EKG	- Certified Nurse Aide - Patient Care Technician - Emergency Medical Responder	- Certified Clinical Medical Assistant	-Apprenticeship: Nursing

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Technical Writing 120350	*English I 120331
*Math Essentials 160351	*Algebra I 160321
*Civics 220501/220504	*½ Physical Education II 190106 ½ Health Education 190500
*Physical Education I 190105	Elective TBD by course selected



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	**Introduction to Health Occupations 090930
*Algebra II 160322	**Medical Terminology 090151
*Biology 150301	**Psychology PSYC 127/Psychology: DE CPSY 2013 - Introduction to Psychology 225011
*U.S. History 220403	*Geometry 160323

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Composition I ENGL 101	*English III: DE - CENL 1013 English Composition I 120601	Intro. to Statistics MATH 203	DE Introductory Statistics 010101
*General Biology BIOL 141/143	*Biology II: DE - CBIO 1013 General Biology I 150323	*Human Anatomy & Physiology BIOL 251/253	*Anatomy: DE - CBIO 2214 Human Anatomy & Physiology I (Lec/Lab) 150331
*College Algebra MATH 130	*Algebra III: DE - CMAT 1213 College Algebra 160500	*English Composition II ENGL 102	*English IV: DE - CENL 1023 English Composition II 120607
Elective Fine Arts or Humanities	TBD by course selected		**First Responder/ Emergency Medical Responder 090711

Summer (Jump Start Summers)	
**Nursing Clinicals	
**Emergency Medical Responder Credential	



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
Human Anatomy & Physiology II BIOL 252/254	Anatomy: DE - CBIO 2223 Human Anatomy & Physiology II (Lec/Lab) 150333	Microbiology BIOL 211	Biology II: DE - BIOL 2102 General Microbiology 149995
	**Medical Assistant I 090251	**Pre-apprenticeship	**DE Fast Forward Pre-Apprenticeship: Ochsner 890002
	**Patient Care Technician 090261		
	**Certified Nurse Aide 861038		



TOPS University Pre-Apprenticeship: Nursing

Postsecondary Partner: [Ochsner Health](#) dual enrollment courses taken at [Delgado Community College](#)

Overview

The nursing apprenticeship is set-up to allow students the opportunity to gain knowledge, earn postsecondary credit and experience work-based learning on the way to becoming a Registered Nurse (RN). Students who complete this pathway will be able to directly enter the workforce via Ochsner’s state registered nursing apprenticeship and will also be well on the way to a Registered Nursing degree.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Phlebotomy -EKG	- Certified Nurse Aide - Patient Care Technician - Emergency Medical Responder	- Certified Clinical Medical Assistant	-Apprenticeship: Nursing

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Civics 220501/220504
*Algebra I 160321	*Geometry 160323
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500
*Earth Science 150901 or Environmental Science 150310	*Biology 150301



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Foreign Language I	*Foreign Language II
*English II 120332	*Chemistry 150401
*U.S. History 220403	*Core Academic Art
**Medical Terminology 090151	*Algebra II 160322

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Composition I ENGL 101	*English III: DE - CENL 1013 English Composition I 120601	Intro. to Statistics MATH 203	DE Introductory Statistics 010101
*General Biology BIOL 141/143	*Biology II: DE - CBIO 1013 General Biology I 150323	*Human Anatomy & Physiology BIOL 251/253	*Anatomy: DE - CBIO 2214 Human Anatomy & Physiology I (Lec/Lab) 150331
*College Algebra MATH 130	*Algebra III: DE - CMAT 1213 College Algebra 160500	*English Composition II ENGL 102	*English IV: DE - CENL 1023 English Composition II 120607
*Western Civilization HIST 101	*Western Civilization: DE - CHIS 1013 Western Civilization I 220446	*Macroeconomics ECON 201	*Economics: DE - CECN 2213 Macroeconomics 220608

Summer (Jump Start Summers)	
**Nursing Clinicals	
**Emergency Medical Responder Credential	



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
Human Anatomy & Physiology II BIOL 252/254	Anatomy: DE - CBIO 2223 Human Anatomy & Physiology II (Lec/Lab) 150333	Microbiology BIOL 211	Biology II: DE - BIOL 2102 General Microbiology 149995
	**Medical Assistant I 090251	**Pre-apprenticeship	**DE Fast Forward Pre-Apprenticeship: Ochsner 890002
	**Patient Care Technician 090261		
	**Certified Nurse Aide 861038		



Jump Start 2.0 Associate of Applied Science: Cloud Computing

Postsecondary Partner: [Delgado Community College](#)

Overview

The goals of this pathway are to prepare students for entry-level positions in cloud computing and to provide the appropriate foundation for further studies in cloud computing. The pathway provides students with instruction on the overall computer information technology environment, local and virtual computer networks, networked data security, management of IT projects and IT support for cloud systems.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Career and Technical Certificate: Cloud Computing - CompTIA Linux+	- CompTIA IT Fundamentals	- CompTIA A+	-Associate of Applied Science: Cloud Computing

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Technical Writing 120350	*English I 120331
*Math Essentials 160351	*Algebra I 160321
*Civics 220501/220504	*½ Physical Education II 190106 ½ Health Education 190500
*Physical Education I 190105	**Quest for Success 080411



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	IT Elective code TBD by course selected
*Algebra II 160322	DE Humanities Elective code TBD by course selected
*Biology 150301	DE Social/Behavioral Science Elective code TBD by course selected
*U.S. History 220403	Elective TBD by course selected

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Composition I ENGL 101	*English III: DE - CENL 1013 English Composition I 120601	**Intro. to Info. Security CMIN 244	**DE Cybersecurity 040223
**Fund. of Info. Tech. & Systems CMIN 204	**DE Computer Technology Literacy 040220	**Database Mgmt. Systems CMIN 266	**DE Databases Design and Programming 080501
**Logic & Design CMIN 203	**DE Programming Logic and Design 080502	**Cloud Computing Foundations CMIN 233	**DE Cloud Computing Foundations 890311
**Network Systems Basics CNET 157	**DE Computer Systems/ Networking I 061112	**Agile Project Mgmt. CMIN 275	**DE Agile Project Mgmt. 890309
**Princ. of Management (Lower Level) MANG 201	**DE Management Information Systems 313834	**IT Hardware Support ELST 262	**DE CompTIA A+ Fundamentals of Computer Installation and Configuration 061130



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Contemporary Math MATH 120	*Contemporary Math 890109	**Linux System Fundamentals CNET 197	**DE Linux System Fundamentals 890312
**IT Software Support ELST 267	**DE CompTIA+ Programming with PL/SQL 061127	*Natural Science Choice in Diploma Requirement Field of Study	*TBD by course selected
**Windows Server CNET 178	**DE Computer Systems/ Networking II 061136	**Approved Elective	**TBD by course selected
**Approved Elective	**TBD by course selected	**Approved Elective	**TBD by course selected
Social/Behavioral Studies Elective	TBD by course selected	Humanities Elective	TBD by course selected

Approved Electives

Postsecondary Course	LDOE Course/Code
**Practicum CNET 287	**DE CDF-Qualifying CTE Internship 080198
**Virtual Computer Systems CNET 180	**DE Virtual Computer Systems 890314
**Cloud Architecture CNET 294	**DE Cloud Architecture 890310
**Internship CMIN 295	**DE CDF-Qualifying CTE Internship 080198
**Programming for Engineering Tech. ELET 160	**DE Programming for Engineering Tech. 890313



Jump Start 2.0 Associate of Applied Science: Technical Studies Concentration in Machine Tool Technology

Postsecondary Partner: [Northshore Technical Community College](#)

Overview

The Associate of Applied Science in Technical Studies with a Concentration in Machine Tool Technology is designed to prepare students with a combined practical approach to the study of machining and millwright. This program prepares students to install conveyor systems, connect machinery to power supplies and piping, direct hoisting and setting of machines and adjust the moving and stationary parts of machines to certain specifications. Students learn troubleshooting techniques and strategies. They shape metal parts on lathes, grinders, drill presses, milling machines and computer numerical controlled machines and utilize these parts in the repair of heavy equipment and machinery. The program includes making computations for dimensions and cutting feeds and speeds using precision measuring instruments, laying out of parts and heat treatment of metals. Students will receive hands-on experience with pumps, gearboxes, and compressors.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-OSHA 30	- Certificate of Technical Studies in Lathe Operator - Certificate of Technical Studies in Mill Operator -NIMS 1	-Technical Diploma in Machine Tool Technology -NIMS 2	-Associate of Applied Science: Machine Tool Technology

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Technical Writing 120350	*English I 120331
*Math Essentials 160351	*Algebra I 160321
*Civics 220501/220504	*Physical Education I 190105
*Earth Science 150901, Physical Science 150802 or Environmental Science 150310	**Quest for Success 080411



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*½ Physical Education II 190106 ½ Health Education 190500
*Algebra II 160322	*Geometry 160323
*U.S. History 220403	Intro. to Psychology PHYC 2015/Psychology: DE CPSY 2013 - Introduction to Psychology 225011
*Biology 150301	Elective TBD by course selected
	College Success CSSK 1000/DE College Success 890200

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
** Blueprint Reading MTTC 2110	**DE Design, Blueprint Reading and Codes 310622	**Drill Press MTTC 2230 (6 hours)	**DE Industrial Machines Shop III 311915
** Intro. To Machine Tools MTTC 2120	**DE Industrial Machines Shop I 311900	**Basic Lathe I MTTC 2310	**DE Basic Lathe I 891102
** Bench Work MTTC 2210	**DE Industrial Machines Shop II 311905	**Basic Mill I MTTC 2410	**DE Basic Mill I 891104
*College Algebra MATH 1015	*Algebra III: DE - CMAT 1213 College Algebra 160500		



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
**Forming and Shaping MTTC 2220	**DE Industrial Machines Shop IV 311918	**Advanced Lathe MTTC 2331	**DE Advanced Lathe 891100
**Basic Lathe II MTTC 2320	**DE Basic Lathe II 891103	**Advanced Mill MTTC 2431	**DE Advanced Mill 891101
**Basic Mill II MTTC 2420	**DE Basic Mill II 891105	**Precision Grinding MTTC 2510	**DE Grinder Assistant 110231
Environmental Biology BIOL 1110	DE General/Physical Science Elective 150899	Western Civilization I HIST 1010	Western Civ: DE - CHIS 1013 Western Civilization I 220446
*English Composition I ENGL 1015	*English III: DE - CENL 1013 English Composition I 120601		



TOPS University Associate of Science: Business Administration

Postsecondary Partner: [Delgado Community College](#)

Overview

The Associate of Science Degree in Business Administration is a preparatory program designed to guide students toward enrollment in a four-year institution immediately upon graduation. The selected courses provide the foundation students need to succeed in majors such as accounting, business administration, management or marketing at the baccalaureate level.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Not applicable			-Associate of Science: Business Administration

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Geometry 160323
*Algebra I 160321	*Biology 150301
*Civics 220501/220504	*½ Physical Education II 190106 ½ Health Education 190500
*Physical Education I 190105	*Elective TBD by course selected



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*Algebra II 160322
*Foreign Language I	*Foreign Language II
*World Geography 220300	*U.S. History 220403
*Chemistry 150401	*DE Core Academic Art

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Composition ENGL 101	*English III: DE - CENL 1013 English Composition I 120601	*English Composition II ENGL 102	*English IV: DE - CENL 1023 English Composition II 120607
*College Algebra MATH 130	*Algebra III: DE - CMAT 1213 College Algebra 160500	**Principles of Management MANG 201	**DE Principles of Management 890409
**Intro. to Business BUSG 129	**DE Intro. to Business 890406	**Principles of Marketing MARK 201	**DE Principles of Marketing I 041025
**Business Computer Applications BUSG 224	**DE Business Computer Applications 040400	*Introductory Statistics MATH 203	*DE Introductory Statistics 010101
*Humanities Elective Western Civilization HIST 101	*Western Civ: DE - CHIS 1013 Western Civilization I 220446	*Natural Science Elective	*TBD by course selected



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
**Intro. to Financial Accounting ACCT 205	**DE Principles of Accounting 080690	**Legal Environment of Business BUSL 250	**DE Legal Environment of Business 890407
**Business Communications BUSG 240	**DE Business Communications 125030	Microeconomics ECON 202	Economics: DE - CECN 2223 Microeconomics 220609
Macroeconomics ECON 201	Economics: DE - CECN 2213 Macroeconomics 220608	**Project Management MANG 275 or Found. of Strategic Management MANG 276	**DE Project Management 890411 or Found. of Strategic Management 890403
**Approved Elective	**TBD by course selected	*Natural Science Elective	*TBD by course selected
		**Approved Elective	**TBD by course selected

Approved Electives

Postsecondary Course	LDOE Course/Code
**Managerial Accounting ACCT 211	**DE Managerial Accounting 080691
**Starting a New Business BUSG 115	**DE Starting a New Business 890413
**Money Banking and the Economy ECON 272	**DE Consumer Finance and Banking 080250
**Personal Finance	**DE Personal Finance 041022
**Stock Markets and Investing BUSG 151	**DE Stock Markets and Investing 890414
**International Business BUSG 200	**DE International Business



	890404
**Internship BUSG 275	**DE Internship Fast Forward 890050
**Management Information Systems MANG 215	**DE Management Information Systems 313834
**International Management MANG 228	**DE International Management 890405
**Personal Selling MARK 211	**DE Personal Selling 890408
**Retailing MARK 213	**DE Retailing 890412
**Principles of Real Estate RLST 161	**DE Principles of Real Estate 890410
Social Science Elective	TBD by course selected



TOPS University Associate of Applied Science: Cloud Computing

Postsecondary Partner: [Delgado Community College](#)

Overview

The goals of this pathway are to prepare students for entry-level positions in cloud computing and to provide the appropriate foundation for further studies in cloud computing. The pathway provides students with instruction on the overall computer information technology environment, local and virtual computer networks, networked data security, management of IT projects and IT support for cloud systems.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Career and Technical Certificate: Cloud Computing	-CompTIA IT Fundamentals	-CompTIA A+ -CompTIA Linux+	-Associate of Applied Science: Cloud Computing

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Algebra I 160321	*Geometry 160323
*Civics 220501/220504	*½ Physical Education II 190106 ½ Health Education 190500
*Physical Education I 190105	*Earth Science 150901, Physical Science 150802 or Environmental Science 150310



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English III 120333	*Core Academic Art
*Algebra II 160322	*U.S. History 220403
*Foreign Language I	*Foreign Language II
*Biology 150301	*Chemistry 150401

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Composition I ENGL 101/110 or ENRE 110	*English IV: DE - CENL 1013 English Composition I 120606	**Intro. to Info. Security CMIN 244	**DE Cybersecurity 040223
**Princ. of Management (Lower Level) MANG 201	**DE Management Information Systems 313834	**Database Mgmt. Systems CMIN 266	**DE Databases Design and Programming 080501
**Logic & Design CMIN 203	**DE Programming Logic and Design 080502	**Cloud Computing Foundations CMIN 233	**DE Cloud Computing Foundations 890311
**Network Systems Basics CNET 157	**DE Computer Systems/Networking I 061112	**Agile Project Mgmt. CMIN 275	**DE Agile Project Mgmt. 890309
**Fund. of Info. Tech. & Systems CMIN 204	**DE Computer Technology Literacy 040220	**IT Hardware Support ELST 262	**DE CompTIA A+ Fundamentals of Computer Installation and Configuration 061130



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*College Algebra MATH 130	*Algebra III: DE - CMAT 1213 College Algebra 160500	**Linux System Fundamentals CNET 197	**DE Linux System Fundamentals 890312
**IT Software Support ELST 267	**DE CompTIA+ Programming with PL/SQL 061127	*Macroeconomics ECON 201	*Economics: DE - CECN 2213 Macroeconomics 220608
**Windows Server CNET 178	**DE Computer Systems/ Networking II 061136	*Natural Science Elective	*TBD by course selected
**Approved Elective	**TBD by course selected	*Western Civilization I HIST 101	*Western Civ: DE - CHIS 1013 Western Civilization I 220446
**Approved Elective	**TBD by course selected	**Approved Elective	**TBD by course selected

Approved Electives

Postsecondary Course	LDOE Course/Code
**Practicum CNET 287	**DE CDF-Qualifying CTE Internship 080198
**Virtual Computer Systems CNET 180	**DE Virtual Computer Systems 890314
**Cloud Architecture CNET 294	**DE Cloud Architecture 890310
**Internship CMIN 295	**DE CDF-Qualifying CTE Internship 080198
**Programming for Engineering Tech. ELET 160	**DE Programming for Engineering Tech. 890313



Associate of Applied Science: Coastal Studies and GIS Technology

Postsecondary Partner: [Nunez Community College](#)

Overview

The Coastal Studies and GIS Technology program prepares students for coastal focused careers with a focus on GIS technology skills and instruction in coastal and environmental science. The program blends instruction in technical skills, regulatory information and science to produce completers who have valuable skills to apply to the sector and have a thorough understanding of the complicated problems of the environment to be informed advocates for coastal stewardship and be a part of innovative solutions.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Career and Technical Certificate: Wastewater Plant Operator -Career and Technical Certificate: Water Plant Operator	-Certificate of Technical Studies: Coastal Geospatial Information Science -Water Distribution Operator I Basic -Water Production Operator I Basic -Water Treatment Operator I	-Technical Diploma in Coastal Studies and GIS Technology -Water Production Operator I -Water Treatment Operator I -Water Distribution Operator I	-Associate of Applied Science: Coastal Studies and GIS Technology

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Algebra I 160321	*Geometry 160323
*Civics 220501/220504	*Core Academic Art
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English III 120333	*Algebra II 160322
*Biology 150301	*U.S. History 220403
*World History 220401	*Chemistry 150401
*Foreign Language I	*Foreign Language II

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Comp I ENGL 1010	*English IV: DE - CENL 1013 English Composition I 120606	*College Algebra MATH 1300	**Algebra III: DE - CMAT 1213 College Algebra 160500
**Survey of Microcomputer Apps BUSN 1150	**DE Business Computer Applications 040400	*General Biology/Lab BIOL 1100/1110	*Biology II: DE - CBIO 1013 General Biology I 150323
Louisiana History HIST 2100	DE Social Studies Elective 220099	Coastal Science CSTL 1013	DE Geotechnical and Geoenvironmental Engineering 140802
Louisiana Wetlands Ecology BIOL 2200	DE Louisiana Wetlands Ecology 312090	**Computer Graphs & Maps CSTL 1114	**DE Modeling and Simulation 060200
*World Regional Geography GEOG 1200	*World Geography: DE CGRG 2113 World Regional Geography 220312	**Water Treatment I CSTL 1213	**DE Water Treatment Operator 110501



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
Statistics MATH 2000	Probability and Statistics : DE - CMAT 1303 Introductory Stat 160356	Sociology SOCI 1100	DE Sociology 220601
**Fundamentals of Mapping and GIS Tech. CSTL 1123	**DE GIS Entry Level 1 010103	*Environmental Science BIOL 2210 or ENVN 2210	*Environmental Science: DE - CEVS 1103 Environmental Science 150914
**Surveying Lab CSTL 1311	**DE Elementary Surveying Measurements 010102	Environmental Law ENVN 1030	DE Law Studies 220506
**Remote Sensing CSTL 2133	**DE Remote Sensing 891300	**GIS Theories and Concepts CSTL 2143	**DE GIS Entry Level 2 010104
**Water Production CSTL 1223	**DE Water Production Operator 110500	**Water Distribution CSTL 1233	**DE Water Distribution Operator 110502



TOPS University Associate of Applied Science: Process Technology

Postsecondary Partner: [Nunez Community College](#)

Overview

The Process Technology (PTEC Concentration) program prepares graduates to work as process technicians in refineries, chemical plants and related industries. Students will demonstrate an understanding of the safety, health and environmental policy. They will apply safe work practices. Students will demonstrate an understanding of the maintenance and operation of process equipment. They will apply the reasoning behind proper equipment line up, safety and process concerns while operating process equipment. Students will demonstrate an understanding of the technical aspects of the process technology and apply skills and knowledge systems and troubleshooting abilities.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Not applicable	-Certificate of Technical Studies: Process Technology Support Technician	-Technical Diploma: Process Technology	-Associate of Applied Science: Process Technology

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Algebra I 160321	*Geometry 160323
*Civics 220501/220504	*Core Academic Art
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English III 120333	*Algebra II 160322
*Biology 150301	*U.S. History 220403
*World History 220401	*Environmental Science 150310 or Biology II 150302
*Foreign Language I	*Foreign Language II

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Comp I ENGL 1010	*English IV: DE - CENL 1013 English Composition I 120606	*College Algebra MATH 1300	*Algebra III: DE - CMAT 1213 College Algebra 160500
**Survey of Microcomputer Apps BUSN 1150	**DE Business Computer Applications 040400	**Process Instrumentation /Lab PTEC 1330/1331	**DE Process Instrumentation I 110915
**Intro to Ptec PTEC 1010	**DE Process Technician I 110911	**Quality Controls INDT 2070	**DE Quality Controls 313727
**Industrial and Plant Safety INDT 1030	**DE Industrial and Plant Safety 311921	**Process Equipment/Lab PTEC 1630/1631	**DE Process Technology I: Equipment 110922



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Chemistry/Lab CHEM 1100/1110	*Chemistry I: DE - CCEM 1103 Chemistry I 150414	**Job Readiness Skills INDT 2900	**DE Career Success Skills 080407
*Microeconomics ECON 2000	* Economics DE: CECN 2223 Microeconomics 220609	Physics/Lab PHYS 1100/1110	*Physics I: DE - CPHY 2114 Physics I (Lec & Lab) 150727
**Business Communication BUSN 2400	**DE Business Communications 040305	**Process Troubleshooting PTEC 2440	**DE Process Instrumentation II 110916
**Process Systems/Lab PTEC 2420/2421	**DE Process Technology II: Unit Systems 110923	**Ptec Internship PTEC 2910	**DE CDF-Qualifying CTE Internship I 080198
**Process Operations/Lab PTEC 2430/2431	**DE Process Technology III: Operations 110924	**Fluid Mechanics PTEC 2630	**DE Fluid Mechanics 110331



Associate of Applied Science: Aerospace Manufacturing

Postsecondary Partner: [Nunez Community College](#)

Overview

The Aerospace Manufacturing Technology program provides classroom and hands-on training that allows students to develop the knowledge and skills to successfully perform the tasks required of an entry level Aerospace Manufacturing Technician. The curriculum was designed to be directly related to an in-depth task analysis for Aerospace Manufacturing Technicians, with content and courses mapped directly to expected job performance.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Not applicable	-Certificate of Technical Studies: Aerospace Manufacturing Technology	-Technical Diploma: Aerospace Manufacturing Technology	-Associate of Applied Science: Aerospace Manufacturing

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Algebra I 160321	*Geometry 160323
*Civics 220501/220504	*Core Academic Art
*Physical Education I 190105	*Physical Science 150802



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English III 120333	*Algebra II 160322
*½ Physical Education II 190106 ½ Health Education 190500	*U.S. History 220403
*World History 220401	*Biology 150301
*Foreign Language I	*Foreign Language II

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Comp I ENGL 1010	*English IV: DE - CENL 1013 English Composition I 120606	*College Algebra MATH 1300	*Algebra III: DE - CMAT 1213 College Algebra 160500
*Western Civilization HIST 1010	*Western Civ: DE - CHIS 1013 Western Civilization I 220446	Sociology SOCI 1100	DE Sociology 220601
**Industrial Plant Safety ARST 1030	**DE Industrial and Plant Safety 311921	**Quality Controls INDT 2070	**DE Quality Controls 313727
**Introduction to Aerospace ARST 1000	**DE Aerospace Science 150903	**Intro. To Electronic and Electrical Assembly ARST 1040	**DE Electrical and Electronics Engineering 141001
**Introduction to Mechanical Assembly ARST 1800	**DE Manufacturing Technology 110250	**Fluid Systems ARST 1050	**DE Fluid Mechanics 110331



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Chemistry CHEM 1100	*Chemistry I: DE - CCEM 1103 Chemistry I 150414	**Advanced Electronic and Electrical Assembly ARST 1760	**DE Advanced Electrical Electronics 310383
**Print Reading ARST 1210	**DE Design, Blueprint Reading and Codes 310622	**Aerospace Mechanical Assembly ARST 2700	**DE Manufacturing Process and Team Building 110256
**Adhesive Bonding ARST 2760	**DE Adhesive Bonding 890600	**Welding for Aerospace ARST 2510	**DE Welding Technology 110230
**Composite Materials ARST 2780	**DE Materials and Processes 110005	**Fabrication for Aerospace ARST 2790	**DE Manufacturing Tools and Equipment 110257
**Surface Prep and Coating ARST 2800	**DE Surface Prep and Coating 890602	**Hoist and Crane Equipment ARST 1500	**DE Hoist and Crane Equipment 890601
		*Environmental Science BIOL 2210 or ENVN 2210	*Environmental Science: DE - CEVS 1103 Environmental Science 150914



REGION 2



Jump Start 2.0 Associate of Applied Science: Technical Studies Concentration in Building Technology Specialist

Postsecondary Partner: [Northshore Technical Community College](#) and general education courses may be taken at [Southeastern Louisiana University](#)

Overview

The mission of the Building Technology Specialist Program is to provide students with a basic core of specialized instruction and shop experience to prepare them for employment in the building trades in a global economy. The highest exit point in the Building Technology Specialist program is the Associate of Applied Science in Technical Studies. To qualify, students must complete the General Education Core and the Technical Diploma (TD) in Building Technology Specialist.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Career and Technical Certificate: Plumbing Helper	- Certificate of Technical Studies: Construction Specialist - Certificate of Technical Studies in Electrical A/C Specialist	Technical Diploma: Building Technology Specialist	Associate of Applied Science: Technical Studies

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*U.S. History 220403
*Algebra I 160321	*Physical Science 150802
*Civics 220501/220504	**Introduction to Computers CPTR 1000/DE Business Computer Applications 040400
*Physical Education I 190105	Elective code TBD by course selected



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*½ Physical Education II 190106 ½ Health Education 190500
*Geometry 160323	*Biology 150301
*Algebra II 160322	*English III 120333
**Foreign Language I	**Foreign Language II

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
**DE College Success CSSD 1000/TBD	**DE Career Success Skills 080407	**Applied Building Technology Math BLDG 1120 (4 th math)	**DE Applied Building Technology Math 891200
*American History I HIST 2010	*U.S. History: DE - CHIS 2013 American History I 220407	*Introduction to Biology I BIOL 1010	*Biology II: DE - CBIO 1013 General Biology I 150323
**Hand/Power Tools BLDG 1150	**DE Hand/Power Tools 891201	**Electricity BLDG 1310	**DE Basic Electricity I 310400
**Introduction & Safety BLDG 1110	**DE Workplace Safety 311923	**Plumbing BLDG 1410	**DE Plumbing 891202
**Carpentry BLDG 1210	**DE Carpentry I 310600	**Communication & Emp Skills BLDG 1130	**DE Business Communications 040305



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*College Algebra Fundamentals MATH 1005	*Algebra III: DE - CMAT 1213 College Algebra 160500	**Job Seeking Skills	**DE Career Success Skills 080407
**Masonry/Ceramic Tile BLDG 1220	**DE Masonry I 312200	Introduction To Psychology PSYC 2015	Psychology: DE CPSY 2013 - Introduction to Psychology 225011
**Cabinetmaking BLDG 1420	**DE Cabinet Making I 310500	**Blueprint Reading BLDG 1140	**DE Design, Blueprint Reading and Codes 310622
*English Composition I ENGL 1015	*English IV: DE - CENL 1013 English Composition I 120606	**Introduction to Computers CPTR 1000	**DE Introduction to Computers 890346



**TOPS University Associate of Applied Science: Computing and Information Systems Concentration
Cloud Computing**

Postsecondary Partners: [Baton Rouge Community College](#)

Overview

The goals of this pathway are to prepare students for entry-level positions in cloud computing and to provide the appropriate foundation for further studies in cloud computing. The pathway provides students with instruction on the overall computer information technology environment, local and virtual computer networks, networked data security, management of IT projects and IT support for cloud systems.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
Microsoft Certified Professional Installing and Configuring Windows Server	- CompTIA IT Fundamentals -Certificate of Technical Studies: Cloud Computing and Cybersecurity	Technical Diploma: Cloud Computing - CompTIA A+ - CompTIA Network+ - CompTIA Security+ - CompTIA Linux+	Associate of Applied Science: Computing and Information Systems

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	**Ethics in Computer Science CSCI 1923/1953/DE Introduction to Programming 080500
*Biology 150301	*Algebra I 160321
*Civics 220501/220504	*Foreign Language I
*Physical Education I 190105	*Core Academic Art



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*½ Physical Education II 190106 ½ Health Education 190500
*Geometry 160323	*Chemistry 150401
*U.S. History 220403	*Foreign Language II
**Software and Design and Programming I CSCI 1933/DE Software Design and Programming I 080503	*Algebra II 160322

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
**Intro. to Databases CSCI 1823	**DE Intro. to Databases 890304	*English Composition II ENGL 1023	*English IV: DE - CENL 1023 English Composition II 120607
*English Composition I ENGL 1013	*English III: DE - CENL 1013 English Composition I 120601	**Install & Troubleshooting I INTE 1103	**DE Install & Troubleshooting I 890302
**Intro. to Networking CNET 2103	**DE Networking Basics 310850	**Advanced Database Storage CSCI 1993	**DE Advanced Database Storage 890300
*College Algebra MATH 1113 or 1213	*Algebra III: DE - CMAT 1213 College Algebra 160500	*Physical Science I PHSC 1023	*Physical Science: DE - CPHY 1023 Physical Science I 150915
**Cloud Computing CSCI 2113	**DE Cloud Computing 890301	*World Geography GEOG 2113	*World Geography: DE CGRG 2113 World Regional Geography 220312
*General Biology I BIOL 1013	*Biology II: DE - CBIO 1013 General Biology I		



	150323		
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Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
**Software & Design Programming II CSCI 1943	**DE Software Design and Programming II 080504	**PC/Network Security CNET 2503	**DE Computer Systems /Networking I 061112
**Linux/Unix CSCI 2153	**DE Linux/Unix 890305	**System Analysis CSCI 2783	**DE System Analysis 890306
*World Civilization I HIST 1113	*World History: DE - CHIS 1113 World Civilization I 220450	**Virtual Infrastructure CSCI 2653	**DE Virtual Infrastructure 890307
**Install & Troubleshooting II INTE 1113	**DE Install & Troubleshooting II 890303	**Window Server I INTE 2013	**DE Window Server I 890308
Psychology PHSC 1023	Psychology: DE CPSY 2013 - Introduction to Psychology 225011		



TOPS University Associate of Applied Science: Industrial Technology Concentration Construction Technology

Postsecondary Partner: [Southeastern Louisiana University](#)

Overview

The Mission of the Industrial Technology program is to prepare students for employment in technical and/or technical management-oriented professions in business, industry, education and government. The Industrial Technology program is a management-oriented technical curriculum built upon a balanced program of studies drawn from a variety of disciplines related to construction technology.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-NCCER Carpenter Helper -OSHA 30	-NCCER Carpentry Level 1 -Autodesk AutoCAD Certified User -ADDA Certified Architectural Apprentice Drafter	-NCCER Carpentry Level 2	-NCCER Carpentry Level 3 -Associate of Applied Science: Industrial Technology

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Algebra I 160321
**NCCER Carpentry in Agriscience I 010601	*Foreign Language I
*Biology 150301	*Physical Education I 190105
*Civics 220501/220504	*Fine Arts Survey 030332



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*½ Physical Education II 190106 ½ Health Education 190500
*Geometry 160323	*Physical Science 150802
*World Geography 220300	*Foreign Language II
**NCCER Carpentry in Agriscience II 010604	*Algebra II 160322

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Freshmen Composition ENGL 101	*English III: DE - CENL 1013 English Composition I 120601	*Critical Reading and Writing ENGL 102	*English IV: DE - CENL 1023 English Composition II 120607
*College Algebra MATH 161	*Algebra III: DE - CMAT 1213 College Algebra 160500	*Trigonometry MATH 162	*Adv Math-Pre Calc: DE - CMAT 1223 Trigonometry 160501
*General Chemistry I and Lab CHEM/CLAB 101/103	*Chemistry I: DE - CCEM 1103 Chemistry I 150414	Introductory Sociology SOC 101	DE Sociology 220601
**Construction Graphics CTEC 111	**DE Design, Blueprint Reading and Codes 310622	**Engineering Drafting with Computer Assisted Design IT 111	**DE Engineering Design and Development 110860
**Construction Industry Systems CTEC 101	**DE Construction Industry Systems 891204	**Intro. to Occupational Safety, Health and Environment OSHE 111	**DE Workplace Safety 311923
Freshman Success SE 101	DE Freshman Success 890201	**Construction Materials CTEC 121 or CTEC 132	**DE Construction Materials 891205



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*General Physics PHYS/PLAB 191/193	*Physics I: DE - CPHY 2114 Physics I (Lec & Lab) 150727	**Project Management CTEC 201	**DE Project Management 310630
Introduction to Public Speaking COMM 211	DE Speech I 051101	**Construction Estimating CTEC 271	**DE Building Materials and Estimating 310620
**Survey Principles CTEC 171	**DE Survey Principles 891208	**Computer Planning and Scheduling CTEC 203	**DE Computer Planning and Scheduling 891203
**Software for Management of Data CMPS 173	**DE Data Manipulation and Analysis 080530	**Design Drafter DDT 113	**DE Design Drafter 891206
**Project Supervision CTEC 202	**DE Project Supervision 891207	**Industrial Internship/Independent Study IT 291/292	**DE Internship Fast Forward 890050
*American History HIST 201 or 202	*U.S. History: DE - CHIS 2013 American History I 220407 or U.S. History: DE - CHIS 2023 American History II 220408	*Western Civilization HIST 101 or 102	*Western Civilization: DE - CHIS 1013 Western Civilization I 220446 or Western Civilization: DE - CHIS 1023 Western Civilization II 220447



TOPS University Louisiana Transfer Degree: General Business Concentration in Logistics & Supply Chain

Postsecondary Partner: [Northshore Technical Community College](#)

Overview

The Louisiana Transfer Degree Program is designed to provide students with an opportunity to complete the first 60 hours of coursework toward a baccalaureate degree at a 2-year or community college. Graduates are eligible to enter a 4-year Louisiana public university as a junior, with all 60 (non-developmental) credits transferring to the receiving university. The Transfer Degree Guarantee refers to a guaranteed and easy transfer for students from a 2-year community college to a public university in Louisiana. Elective options will provide business students with diverse opportunities in logistics and supply chain management. The educational opportunities and experiences will lead graduates to leadership roles in the marketing and supply chain management industries as well as academics. Students will gain knowledge of the American business environment.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
Microsoft Office Specialist, Word, PowerPoint, and Excel	-Certified Logistics Associate or Certified Logistics Technician - Microsoft Office Specialist, Word, PowerPoint, Excel, and Access	Microsoft Office Specialist, Word, PowerPoint, Excel, Access, and Word Expert or Excel Expert	Louisiana Transfer Degree: General Business

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	Basic Word Processing BUSO 1440/DE Word Processing 040203
*Biology 150301	*Algebra I 160321
*Civics 220501/220504	*Foreign Language I
*Physical Education I 190105	*Core Academic Art



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*½ Physical Education II 190106 ½ Health Education 190500
*Geometry 160323	*Chemistry 150401
*U.S. History 220403	*Foreign Language II
**Supply Chain Management 313833	*Algebra II 160322

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Composition I ENGL 1015	*English IV: DE - CENL 1013 English Composition I 120606	*English Composition II ENGL 1025	*English IV: DE - CENL 1023 English Composition II 120607
*College Algebra Fundamentals MATH 1005	*Algebra III: DE - CMAT 1213 College Algebra 160500	*Principles of Microeconomics ECON 2020	*Economics: DE - CECN 2223 Microeconomics 220609
*Introduction to Biology I BIOL 1010	*Biology II: DE - CBIO 1013 General Biology I 150323	*General Chemistry CHEM 1010	*Chemistry II: DE - CCEM 1103 Chemistry I 150419
*Principles of Macroeconomics ECON 2010	*Economics: DE - CECN 2213 Macroeconomics 220608	*Western Civilization I HIST 1010	*Western Civ: DE - CHIS 1013 Western Civilization I 220446
*Survey of World Art History I ARTS 1010	*Art History: DE - CART 2103 Art History I 030595	*Elementary Statistics MATH 2410	*Probability and Statistics : DE - CMAT 1303 Introductory Stat 160356



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
American Literature ENGL 2020	English III: DE - CENL 2153 American Literature I 136003	**Business Law BUSN 2003	**DE Business Law 040303
**Career Mgmt. & Communication BUSN 2100	**DE Career Mgmt. & Communication 890419	**Introduction to Speaking SPCH 1015	**DE Speech I 051101
*General Biology II BIOL 1020	*Biology II: DE - CBIO 1023 General Biology II 150325	Introduction to Psychology PSYC 2015	Psychology: DE CPSY 2013 - Introduction to Psychology 225011
**Intro to Financial Accounting ACCT 1100	**DE Accounting I 040101	**Business Communications BUSN 1000	**DE Business Communications 040305
Humanities Elective	TBD by course selected	Elective of Choice	TBD by course selected



REGION 3



TOPS University Louisiana Transfer Degree: Associate of Arts Concentration in Humanities

Postsecondary Partner: [Fletcher Technical Community College](#)

Overview

The Louisiana Transfer, Associate of Science or Arts Degree is designed specifically for students who want to complete their freshman and sophomore years at Fletcher before transferring to a four-year college or university to finish a bachelor’s degree. The program includes a core of general education courses that are required in all baccalaureate degree programs at Louisiana’s public colleges. Students in the program complete basic requirements in English, mathematics, natural sciences, art, humanities and social science.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
Not applicable			Louisiana Transfer Degree: Associate of Arts

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Intro to Visual Arts ARTS 1200 or Music Appreciation MUSC 1010/DE Core Academic Art
*Algebra I 160321	*Geometry 160323
*Civics 220501/220504	*Physical Science 150802
*Physical Education I 190105	*Elective code TBD by course selected



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*½ Physical Education II 190106 ½ Health Education 190500
*Algebra II 160322	*DE Spanish I 122501/Spanish I CSPN 1013/1014
*World Geography 220300	*Elective code TBD by course selected
*Biology 150301	*Elective code TBD by course selected

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Composition I ENGL 1010/1020	*English III: DE - CENL 1013 English Composition I 120601	*College Algebra MATH 1100 or Trigonometry MATH 1110	*Algebra III: DE - CMAT 1213 College Algebra 160500
*Chemistry I CHEM 1010	*Chemistry I: DE - CCEM 1103 Chemistry I 150414	*American History I HIST 2010	*U.S. History: DE - CHIS 2013 American History I 220407
Psychology PSYC 2010	Psychology: DE CPSY 2013 - Introduction to Psychology 225011	Speech SPCH 1200	DE Speech I 051101
*Spanish II SPAN 1020	*DE Spanish II 122502	*Biology BIOL 1010	*Biology II: DE - CBIO 1013 General Biology I 150323
Approved Elective	TBD by course selected	Approved Elective	TBD by course selected



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Humanities or Social/Behavior Sc. Elective TBD by selection	*TBD by course selected	*British Literature I ENGL 2010	*English IV: DE - CENL 2103 British Literature I 120608
*Trigonometry - If needed MATH 1110	*Pre-Calculus: DE-CMAT 1233 or (CMAT 1213 & 1223) Alg & Trig 160502	*Humanities or Social/Behavior Sc. Elective TBD by selection	*TBD by course selected
*Western Civilization I HIST 1010	*Western Civ: DE - CHIS 1013 Western Civilization I 220446	Humanities Elective	TBD by course selected
*General Biology II BIOL 1020	*DE Biology Elective 150399	Elective of choice	TBD by course selected
Approved Elective	TBD by course selected		



REGION 4



Jump Start 2.0 Associate of Applied Science: Computer Information Technology

Postsecondary Partner: [Louisiana State University Eunice](#)

Overview

Students in a Computer Information Technology program gain knowledge and skills to install, administer and troubleshoot networks. They learn about the installation and troubleshooting of network operating systems, cabling, CISCO routers and switches, security and wireless networks and other LAN/WAN technologies. Graduates from the Information Technology program can troubleshoot and solve various IT issues encountered in regular businesses by using diagnostic software and technical knowledge base, demonstrate and apply effective written, oral and nonverbal communication techniques in a variety of organizational situations, explain terminology, rules and practices regarding common IT issues and their proper solutions, observe and apply basic safety rules and procedures related to information technology software and hardware and apply proper communication and customer service skills upon entering the workforce.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Microsoft Technology Associate (MTA) -Microsoft Certified Solutions Associate (MCSA) - Microsoft Office Specialist: Access - Microsoft Office Specialist: Word, PowerPoint AND Excel	CompTIA IT Fundamentals +	- CompTIA Network+ - CompTIA A+ - CompTIA Security+	Associate of Applied Science: Computer Information Technology

*Core Academic Course

**Jump Start CTE Course

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Math Essentials 160351	*Algebra I 160321
**Quest for Success 080411 or Jobs for America's	**Intro to Bus Comp Apps 040401 or Business



Graduates 1 042010	Computer Applications 040400
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500

Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Biology 150301	*U.S. History 220403
*Algebra II 160322	**Cyber Society 040216 or AP Computer Science Principles 061177
*Fine Arts Survey: DE - CMUS 1013 Musc Appreciation 030590/Music Appreciation MUS 1751	**Introduction to Remote Controlled Vehicle Technologies 110795 or Fundamentals of HTML, CSS, and Javascript 080523
**Jobs for America's Graduates 2 042020 or Jobs for America's Graduates 3 042030	**Cyber Science (NICERC Partnership) 040219 or CyberSecurity (LSU Partnership) 040217

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Composition ENGL 1001	*English III: DE - CENL 1013 English Composition I 120601	*English Composition ENG 1002	*English IV: DE CENL 1023 English Composition II 120607
*Introduction to Environmental Sciences ENVS 1126	*Environmental Science: DE – CEVS 1103 150914	*College Algebra MATH 1021	*Algebra III: DE - CMAT 1213 College Algebra 160500
**Introduction to Computer Science CSC 1011	**DE Computer Science I 061102	**Programming Visual Basic CSC 2030	**DE Programming Visual Basic 890321
**Fundamentals of Programming CSC 1015	**DE Introduction to Programming 080500	**PC Services and Network Support CSC 2210	**DE Computer Systems/ Networking I 061112



Gen Ed Elective Natural Sciences/Physical Science	TBD by selection	**Database Management Systems CSC 2250	**DE Database Management Systems 890315
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Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*American Government POLS 2051	*US Government: DE - CPOL 2013 Intro to American Government 220514	**Object Oriented Systems Analysis and Design CSC 2257	**DE Object Oriented Systems Analysis and Design 890318
**Local Area Networks CSC 2230 or Operating Systems CSC 2212	**DE Local Area Networks 890317 or Operating Systems 890319	**Visual C++ Programming CSC 2265	**DE Visual C++ Programming 890326
**Systems Analysis and Design CSC 2253	**DE Systems Analysis and Design 890325	**Programming in JAVA CSC 2280	**DE Programming in JAVA 890320
**Introduction to C/C++ Programming CSC 2264	**DE Introduction to C/C++ Programming 890316	**Project Management CSC 2257	**DE Project Management 890322
**Software Security CSC 2260	**DE Software Security CSC 890324		



Jump Start 2.0 Associate of Applied Science: Culinary Arts and Occupations
 Postsecondary Partner: [South Louisiana Community College](#)

Overview

Students in Culinary Arts and Occupations learn about recipe and menu planning, preparing and cooking foods, supervising and training kitchen assistants, the management of food supplies and kitchen resources, aesthetics of food presentation and mastery of a wide variety of cuisines and culinary techniques.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-ServSafe Food Manager	-Certificate of Technical Studies in Prep Cook	-Technical Diploma in Culinary Arts and Occupations	-Associate of Applied Science: Culinary Arts and Occupations

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Math Essentials 160351	*Algebra I 160321
**Quest for Success 080411 or Jobs for America's Graduates 1 042010	**Intro to Bus Comp Apps 040401 or Jobs for America's Graduates 2 042020
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Biology 150301	*U.S. History 220403
*Algebra II 160322	**Agriscience I 010301 or Business Computer Applications 040400
**Jobs for America's Graduates 3 042030 or Cyber Society 040216	**Jobs for America's Graduates 4 042040 or Food Science 100315
**Nutrition and Food 100302 or Meat Processing 010330	**Advanced Nutrition and Food 100303 or Customer Service 041001

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Rhetoric & Composition ENGL 1010	*English III: DE - CENL 1013 English Composition I 120601	*Introduction to Fiction ENGL 2055 or *British Literature ENGL 2020	*English IV: DE - CENL 2303 Introduction to Fiction 120614 or CENL 2103 British Literature I 120608
*Environmental Science ENSC 1000	*Environmental Science: DE – CEVS 1103 Environmental Science 150914	*College Algebra Math 1105	*Algebra III: DE - CMAT 1213 College Algebra 160500
**Culinary Calculations CULN 1103	**DE Culinary Calculations 891501	**Introduction to Culinary Skills CULN 1207	**DE Culinary Occupations I 311000
**Sanitation and Safety CULN 1203	**DE Food Science 100315	**Nutrition CULN 1223	**DE Nutrition and Food 100302



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*American National Government POLI 1100	*US Government: DE - CPOL 2013 Intro to American Government 220514	**Baking and Pastry II CULN 2413	**DE Baking and Pastry Arts II 100341
**Culinary Production for Dining Facilities CULN 1219	**DE Food Services I 100361	**A la Carte CULN 2409	**DE Culinary Occupations II 311005
**Baking and Pastry I CULN 2303	**DE Baking and Pastry Arts I 100331	**Food and Beverage Operations CULN 1233	**DE Food Service Technician 100353
**Essentials of Dining Room Service-CULN 1112	**DE Food Services II 100371		



Jump Start 2.0 Associate of Applied Science in Technical Studies: Industrial Marine Electronics

Postsecondary Partner: [South Louisiana Community College](#)

Overview

The Industrial Marine Electronics Technology program provides specialized classroom instruction and practical shop experience to prepare students for employment in a variety of jobs in the field of Industrial Marine Electronics. The program includes instructions in using motors, mechanical diagrams/schematics, radar, fiber optics, laser technology, computer applications, telecommunications, microwave, hydraulics, PLC, video industrial controls, industrial wiring, diagnostic and troubleshooting techniques and the use of testing equipment.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Maritime Safety Credentials Suite: Personal Safety/Social Responsibilities, Basic Water Survival, Basic Firefighting AND Basic First Aid/CPR AED -PEC Basic Orientation SafeLand	-Certificate of Technical Studies: Electronics Technician -Certificate of Technical Studies: Industrial Marine Electronics and Hydraulics Technician	-Technical Diploma: Industrial Marine Electronics Technology	-Associate of Applied Science: Industrial Marine Electronics Technology

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Math Essentials 160351 or Technical Math 165010	*Algebra I 160321
**Quest for Success 080411	**Intro to Bus Comp Apps 040401 or Fundamentals of HTML, CSS, and Javascript 080523
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Biology 150301	*U.S. History 220403
*Algebra II 160322	**Agriscience II 010302 or Computer Applications 061110
**Agriscience I 010301 or Jobs for America's Graduates 2 042020	**Cyber Society 040216 or Workplace Safety 311923
**Jobs for America's Graduates 3 042030 or Pre-Apprenticeship I 080210	**Jobs for America's Graduates 4 042040 or Welding Technology 110230

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Rhetoric & Composition ENG 1010	*English III: DE - CENL 1013 English Composition I 120601	*College Algebra MATH 1105	*Algebra III: DE - CMAT 1213 College Algebra 160500
*Environmental Science ENSC 1000	*Environmental Science: DE – CEVS 1103 Environmental Science 150914	**Semiconductors and Transistor Circuits IMEL 1206	**DE Semiconductors and Transistor Circuits 891304
**Direct Current Circuits IMEL 1005	**DE Direct Current Circuits 890812	**Digital Circuits IMEL 1307	**DE Digital Circuits 890811
**Alternating Current Circuits IMEL 1105	**DE Alternating Current Circuits 890810		



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*American National Government POLI 1100	*US Government: DE - CPOL 2013 Intro to American Government 220514	*Introduction to Fiction ENG 2055/British Literature ENG 2020	*English IV: DE - CENL 2303 Introduction to Fiction 120614 or CENL 2103 British Literature I 120608
**Industrial Marine Hydraulics IMEL 1406	**DE Industrial Marine Hydraulics 891301	**Advanced Remote Operated Vehicles IMEL 1805	**DE Remote Controlled Vehicle Technologies 110796
**Motor Controls IMEL 1503	**DE Motor Controls 891302	**Programmable Logic Controllers IMEL 1603	**DE Programmable Logic Controllers 891303
**Remote Operated Vehicles IMEL 1705	**DE Introduction to Remote Controlled Vehicle Technologies 110795	**Basic Industrial Scaffolding (SLCC Corporate College)	**DE Fundamentals of Industrial Scaffolding 310631
		**Marine Operations (SLCC Corporate College)	**DE Marine Operations 312100



Jump Start 2.0 Associate of Applied Science: Technical Studies in Welding

Postsecondary Partner: [South Louisiana Community College](#)

Overview

This welding program prepares students for gainful employment. Students who complete the program are equipped to meet the needs of the welding technology fields. 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, plasma arc cutting, blueprint reading, weld symbols and joints.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
- NCCER Welder Helper - OSHA 30	-Certificate of Technical Studies: Welder Helper/Thermal Cutter - Basic Access Industrial Scaffolding - NCCER Welder Level 1	-Technical Diploma: Welding - AutoDesk Inventor Certified User - NCCER Welder Level 2	Associate of Applied Science: Technical Studies in Welding

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Technical Math 165010	*Algebra I 160321
**Quest for Success 080411	**Agriscience I 010301 or Jobs for America's Graduates 2 042020
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Biology 150301	*U.S. History 220403
*Algebra II 160322	**Intro to Bus Comp Apps 040401 or Business Computer Applications 040400
**Agriscience II 010302 or Basic Technical Drafting 110560	**Jobs for America’s Graduates 3 042030 or Cyber Society 040216
** Workplace Safety 311923 or Jobs for America’s Graduates 4 042040	**Remote Controlled Vehicle Technology 110796 or Welding Technology 110230

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Rhetoric & Composition ENG 1010	*English III: DE - CENL 1013 English Composition I 120601	*Intro. to Fiction ENG 2055 or British Literature ENG 2020	*English IV: DE - CENL 2303 Introduction to Fiction 120614 or CENL 2103 British Literature I 120608
*Environmental Science ENSC 1000	*Environmental Science: DE – CEVS 1103 Environmental Science 150914	*College Algebra MATH 1105	*Algebra III: DE - CMAT 1213 College Algebra 160500
*Mathematics for Workforce Occupations WFMA 1003 (4 th math)	*DE Mathematics for Workforce Occupations 890424	**Shielded Metal Arc Welding I WELD 1205	**DE Shielded Metal Arc Welding I 890716
**Occupational Orientation and Safety WELD 1003	**DE Workplace Safety 311923	**Electrical Fundamentals and Inspection WELD 1403	**DE Electrical Fundamentals and Inspection 890703



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*American National Government POLI 1100	*US Government: DE CPOL 2013 Intro to American Government 220514	**Gas Tungsten Arc Welding WELD 2103	**DE Gas Tungsten Arc Welding 890708
**Shielded Metal Arc Welding II WELD 1304	**DE Shielded Metal Arc Welding II 890717	**Gas Metal Arc Welding & Flux Cored Arc Welding II WELD 2205	**DE Gas Metal Arc Welding & Flux Cored Arc Welding I 890706
**Advanced Shielded Metal Arc Welding V-Groove WELD 2225	**DE Advanced Shielded Metal Arc Welding V-Groove 890700	**Manufacturing Procedures WELD 2213	**DE Manufacturing Procedures 890603
**Metallurgy and Symbols WELD 1123	**DE Metallurgy and Symbols 890712	**Basic Industrial Scaffolding (SLCC Corporate College)	**DE Fundamentals of Industrial Scaffolding 310631
**Gas Metal Arc Welding & Flux Cored Arc Welding I WELD 2115	**DE Gas Metal Arc Welding & Flux Cored Arc Welding I 890706	**Cutting Processes WELD 1103	**DE Cutting Processes 890701



Jump Start 2.0 Associate of Applied Science: Information Technology

Postsecondary Partner: [South Louisiana Community College](#)

Overview

Students in a Computer Information Technology program gain knowledge and skills to install, administer and troubleshoot networks. They learn about the installation and troubleshooting of network operating systems, cabling, CISCO routers and switches, security and wireless networks and other LAN/WAN technologies. Graduates from the Information Technology program can troubleshoot and solve various IT issues encountered in regular businesses by using diagnostic software and technical knowledge base, demonstrate and apply effective written, oral and nonverbal communication techniques in a variety of organizational situations, explain terminology, rules and practices regarding common IT issues and their proper solutions, observe and apply basic safety rules and procedures related to information technology software and hardware and apply proper communication and customer service skills upon entering the workforce.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
<ul style="list-style-type: none"> - Microsoft Technology Associate (MTA) - Microsoft Certified Solutions Associate (MCSA) - Microsoft Office Specialist: Access - Microsoft Office Specialist: Word, PowerPoint AND Excel 	<ul style="list-style-type: none"> - Certificate of Technical Studies: Cyber Security - Certificate of Technical Studies: System Analyst - Certificate of Technical Studies: System Support Technician - CompTIA IT Fundamentals + 	<ul style="list-style-type: none"> - Technical Diploma in Information Technology - CompTIA Network+ - CompTIA A+ - CompTIA Security+ 	Associate of Applied Science: Information Technology

*Core Academic Course

**Jump Start CTE Course

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Math Essentials 160351	*Algebra I 160321
**Quest for Success 080411 or Jobs for America's	**Cyber Society 040216 or Computer Science: AP



Graduates 1 042010	Computer Science Principles 061177
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500

Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Biology 150301	*U.S. History 220403
*Algebra II 160322	**Cybersecurity (LSU Partnership) 040217
*Media Arts I 030810 or Computer Science I 061102	**Remote Controlled Vehicle Technologies 110796
**Jobs for America's Graduates 2 042020 or Jobs for America's Graduates 3 042030	**Intro to Bus Comp Apps 040401 or Business Computer Applications 040400

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
Seminar in First-Year Student Experience SFSE 1003	**DE Seminar in First-Year Student Experience 890202	*Math 1105 College Algebra	*Algebra III: DE - CMAT 1213 College Algebra 160500
**Installation & Troubleshooting II INTE 1110	**DE Install & Troubleshooting II 890303	**Introduction to Client/Server Network INTE 2010	**DE Introduction to Client/Server Network 890332
**Installation & Troubleshooting I INTE 1100	**DE Install & Troubleshooting I 890302	**Server Network Infrastructure INTE 2020	**DE Server Network Infrastructure 890338
**Operating Systems INTE 1200	**DE Operating Systems 890319	**Introduction to Routing & Switching INTE 2111	**DE Introduction to Routing & Switching 890333
**Introduction to	**DE Introduction to	**Approved Elective	**TBD by course



Programming INTE 1210	Programming 080500		selected
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Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Rhetoric & Composition ENG 1010	*English III: DE - CENL 1013 English Composition I 120601	*Introduction to Fiction ENG 2055 or British Literature ENG 2020	*English IV: DE - CENL 2303 Introduction to Fiction 120614 or CENL 2103 British Literature I 120608
*American National Government POLI 1100	*US Government: DE - CPOL 2013 Intro to American Government 220514	*Environmental Science ENSC 1000	*Environmental Science: DE –CEVS 1103 Environmental Science 150914
**Networking Technologies INTE 2110	**DE Networking Technologies 890336	**Configuring Advanced Server Services INTE 2033 or INTE Elective	**DE Configuring Advanced Server Services 890328
**Approved Elective	**TBD by course selected	**Approved Elective	**TBD by course selected
**Approved Elective	**TBD by course selected	**Approved Elective	**TBD by course selected

Approved Electives

Postsecondary Course	LDOE Course/Code
**Introduction to UNIX/LINUX INTE 1800	**DE Introduction to UNIX/LINUX 890334
**Implementing Network Security INTE 2014	**DE Implementing Network Security 890329
**Server Network Infrastructure INTE 2020	**DE Server Network Infrastructure 890338
**Managing Network	**DE Managing Network



Security INTE 2840	Security 890335
**SQL Database INTE 2073	**DE SQL Database 890339
**Cloud Technologies INTE 2853	**DE Cloud Technologies 890327



TOPS University Associate of Applied Science: Computer Information Technology
 Postsecondary Partner: [Louisiana State University Eunice](#)

Overview

Students in a Computer Information Technology program gain knowledge and skills to install, administer and troubleshoot networks. They learn about the installation and troubleshooting of network operating systems, cabling, CISCO routers and switches, security and wireless networks and other LAN/WAN technologies. Graduates from the Information Technology program can troubleshoot and solve various IT issues encountered in regular businesses by using diagnostic software and technical knowledge base, demonstrate and apply effective written, oral and nonverbal communication techniques in a variety of organizational situations, explain terminology, rules and practices regarding common IT issues and their proper solutions, observe and apply basic safety rules and procedures related to information technology software and hardware and apply proper communication and customer service skills upon entering the workforce.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
<ul style="list-style-type: none"> -Microsoft Technology Associate (MTA) -Microsoft Certified Solutions Associate (MCSA) -Microsoft Office Specialist: Access -Microsoft Office Specialist: Word, PowerPoint AND Excel 	CompTIA IT Fundamentals+	<ul style="list-style-type: none"> -CompTIA Network+ -CompTIA A+ -CompTIA Security+ 	Associate of Applied Science: Computer Information Technology

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Algebra I 160321	*Algebra II 160322
*World Geography 220300	*Environmental Science: AP Environmental Science 150311 or Earth Science 150901



*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500
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Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Geometry 160323	*Music Appreciation MUS 1751/Fine Arts Survey: DE CMUS 1013 - Musc Appreciation 030590
*Biology 150301	*U.S. History 220403
*World History 220401	*Chemistry 150401
*Foreign Language I	*Foreign Language II

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Composition IENGL 1001	*English III: DE - CENL 1013 English Composition I 120601	*English Composition II ENG 1002	*English IV: DE CENL 1023 English Composition II 120607
*Introduction to Environmental Sciences ENV5 1126	*Environmental Science: DE - CEVS 1103 Environmental Science 150914	*College Algebra Math 1021	*Algebra III: DE - CMAT 1213 College Algebra 160500
**Introduction to Computer Science CSC 1011	**DE Computer Science I 061102	**Programming Visual Basic CSC 2030	**DE Programming Visual Basic 890321
**Fundamentals of Programming CSC 1015	**DE Introduction to Programming 080500	**PC Services and Network Support CSC 2210	**DE Computer Systems/ Networking I 061112
** Local Area Networks CSC 2212 or Operating Systems CSC 2230	**DE Local Area Networks 890317 or Operating Systems 890319	**Database Management Systems CSC 2250	**DE Database Management Systems 890315



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*American Government POLS 2051	*US Government: DE - CPOL 2013 Intro to American Government 220514	**Object Oriented Systems Analysis and Design CSC 2257	**DE Object Oriented Systems Analysis and Design 890318
**Local Area Networks CSC 2230 or Operating Systems CSC 2212	**DE Local Area Networks 890317 or Operating Systems 890319	**Visual C++ Programming CSC 2265	**DE Visual C++ Programming 890326
**Systems Analysis and Design CSC 2253	**DE Systems Analysis and Design 890325	**Programming in JAVA CSC 2280	**DE Programming in JAVA 890320
**Introduction to C/C++ Programming CSC 2264	**DE Introduction to C/C++ Programming 890316	**Project Management CSC 2255	**DE Project Management 890322
**Software Security CSC 2260	**DE Software Security 890323		



TOPS University Associate of Applied Science: Culinary Arts and Occupations
 Postsecondary Partner: [South Louisiana Community College](#)

Overview

Students in Culinary Arts and Occupations learn about recipe and menu planning, preparing and cooking foods, supervising and training kitchen assistants, the management of food supplies and kitchen resources, aesthetics of food presentation and mastery of a wide variety of cuisines and culinary techniques.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
- ServSafe Food Manager	-Certificate of Technical Studies: Prep Cook	-Technical Diploma: Culinary Arts and Occupations	-Associate of Applied Science: Culinary Arts and Occupations

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Algebra I 160321	*Algebra II 160322
*World Geography 220300	*Environmental Science: AP Environmental Science 150311 or Earth Science 150901
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Geometry 160323	*Core art selection
*Biology 150301	*U.S. History 220403
*World History 220401	*Chemistry 150401
*Foreign Language I	*Foreign Language II

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Rhetoric & Composition ENGL 1010	*English III: DE - CENL 1013 English Composition I 120601	*Introduction to Fiction ENGL 2055 or British Literature ENGL 2020	*English IV: DE - CENL 2303 Introduction to Fiction 120614 or CENL 2103 British Literature I 120608
*Environmental Science ENSC 1000	*Environmental Science: DE - CEVS 1103 Environmental Science 150914	*College Algebra Math 1105	*Algebra III: DE - CMAT 1213 College Algebra 160500
**Culinary Calculations CULN 1103	**DE Culinary Calculations 891501	**Introduction to Culinary Skills CULN 1207	**DE Culinary Occupations I 311000
**Sanitation and Safety CULN 1203	**DE Food Science 155040	**Nutrition CULN 1223	**DE Nutrition and Food 100302



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*American National Government POLI 1100	*US Government: DE - CPOL 2013 Intro to American Government 220514	**Baking and Pastry II CULN 2413	**DE Baking and Pastry II 100341
**Culinary Production for Dining Facilities CULN 1219	**DE Food Services I 100361	**A la Carte CULN 2409	**DE Culinary Occupations II 311005
**Baking and Pastry I CULN 2303	**DE Baking and Pastry Arts I 100331	**Food and Beverage Operations CULN 1233	**DE Food Service Technician 100353
**Essentials of Dining Room Service-CULN 1112	**DE Food Services II 100371		



TOPS University Associate of Applied Science in Technical Studies: Industrial Marine Electronics

Postsecondary Partner: [South Louisiana Community College](#)

Overview

The Industrial Marine Electronics Technology program provides specialized classroom instruction and practical shop experience to prepare students for employment in a variety of jobs in the field of Industrial Marine Electronics. The program includes instructions in using motors, mechanical diagrams/schematics, radar, fiber optics, laser technology, computer applications, telecommunications, microwave, hydraulics, PLC, video industrial controls, industrial wiring, diagnostic and troubleshooting techniques and the use of testing equipment.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Maritime Safety Credentials Suite: Personal Safety/Social Responsibilities, Basic Water Survival, Basic Firefighting AND Basic First Aid/CPR AED -PEC Basic	-Certificate of Technical Studies: Electronics Technician -Certificate of Technical Studies: Industrial Marine Electronics and Hydraulics Technician	-Technical Diploma: Industrial Marine Electronics Technology	-Associate of Applied Science (Technical Studies): Industrial Marine Electronics Technology

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Algebra I 160321	*Algebra II 160322
*World Geography 220300	*Environmental Science: AP Environmental Science 150311 or Earth Science 150901
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Geometry 221001	*Core art selection
*Biology 321001	*U.S. History 411001
*World History 451001	*Chemistry I 331001
*Foreign Language I	*Foreign Language II

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Rhetoric & Composition ENG 1010	*English III: DE - CENL 1013 English Composition I 120601	*College Algebra MATH 1105	*Algebra III: DE - CMAT 1213 College Algebra 160500
*Environmental Science ENSC 1000	*Environmental Science: DE - CEVS 1103 Environmental Science 150914	**Semiconductors and Transistor Circuits IMEL 1206	**DE Semiconductors and Transistor Circuits 891304
**Direct Current Circuits IMEL 1005	**DE Direct Current Circuits 890812	**Digital Circuits IMEL 1307	**DE Digital Circuits 890811
**Alternating Current Circuits IMEL 1105	**DE Alternating Current Circuits 890810		



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*American National Government POLI 1100	*US Government: DE - CPOL 2013 Intro to American Government 220514	*Introduction to Fiction ENG 2055 or British Literature ENG 2020	*English IV: DE - CENL 2303 Introduction to Fiction 120614 or CENL 2103 British Literature I 120608
**Industrial Marine Hydraulics IMEL 1406	**DE Industrial Marine Hydraulics 891301	**Advanced Remote Operated Vehicles IMEL 1805	**DE Remote Controlled Vehicle Technologies 110796
**Motor Controls IMEL 1503	**DE Motor Controls 891302	**Programmable Logic Controllers IMEL 1603	**DE Programmable Logic Controllers 891303
**Remote Operated Vehicles IMEL 1705	**DE Introduction to Remote Controlled Vehicle Technologies 110795	**Basic Industrial Scaffolding (SLCC Corporate College)	**DE Fundamentals of Industrial Scaffolding 310631
		**Marine Operations (SLCC Corporate College)	**DE Marine Operations 312100



TOPS University Associate of Applied Science: Technical Studies in Welding

Postsecondary Partner: [South Louisiana Community College](#)

Overview

This welding program prepares students for gainful employment. Students who complete the program are equipped to meet the needs of the welding technology fields. 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, plasma arc cutting, blueprint reading, weld symbols and joints.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
- NCCER Welder Helper - OSHA 30	-Certificate of Technical Studies: Welder Helper/Thermal Cutter - Basic Access Industrial Scaffolding - NCCER Welder Level 1	-Technical Diploma: Welding - AutoDesk Inventor Certified User - NCCER Welder Level 2	Associate of Applied Science: Technical Studies in Welding

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Algebra I 160321	*Algebra II 160322
*World Geography 220300	*Environmental Science: AP Environmental Science 150311 or Earth Science 150901
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Geometry 160323	*Core art selection
*Biology 150301	*U.S. History 220403
*World History 220401	*Chemistry 150401
*Foreign Language I	*Foreign Language II

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Rhetoric & Composition ENGL 1010	*English III: DE - CENL 1013 English Composition I 120601	*Introduction to Fiction ENGL 2055 or British Literature ENGL 2020	*English IV: DE - CENL 2303 Introduction to Fiction 120614 or CENL 2103 British Literature I 120608
*Environmental Science ENSC 1000	*Environmental Science: DE - CEVS 1103 Environmental Science 150914	*College Algebra MATH 1105	*Algebra III: DE - CMAT 1213 College Algebra 160500
**Mathematics for Workforce Occupations WFMA 1003	**DE Technical Math 165010	**Shielded Metal Arc Welding I WELD 1205	**DE Shielded Metal Arc Welding I 890716
**Occupational Orientation and Safety WELD 1003	**DE Workplace Safety 311923	**Electrical Fundamentals and Inspection WELD 1403	**DE Electrical Fundamentals and Inspection 890703
**Cutting Processes WELD 1103	**DE Cutting Processes 890701	**Pneumatic/Hydraulic Power Systems OGPT 1500	**DE Pneumatic/Hydraulic Power Systems 890715



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*American National Government POLI 1100	*US Government: DE - CPOL 2013 Intro to American Government 220514	**Gas Tungsten Arc Welding WELD 2103	**DE Gas Tungsten Arc Welding 890708
**Shielded Metal Arc Welding II WELD 1304	**DE Shielded Metal Arc Welding II 890717	**Gas Metal Arc Welding & Flux Cored Arc Welding II WELD 2205	**DE Gas Metal Arc Welding & Flux Cored Arc Welding II 890707
**Metallurgy and Symbols WELD 1123	**DE Metallurgy and Symbols 890712	**Advanced Shielded Metal Arc Welding V-Groove WELD 2225	**DE Advanced Shielded Metal Arc Welding V-Groove 890700
**Gas Metal Arc Welding & Flux Cored Arc Welding I WELD 2115	**DE Gas Metal Arc Welding & Flux Cored Arc Welding I 890706	**Manufacturing Procedures WELD 2213	**DE Manufacturing Procedures 890603
		**Basic Industrial Scaffolding (SLCC Corporate College)	**DE Fundamentals of Industrial Scaffolding 310631



TOPS University Associate of Applied Science: Information Technology
 Postsecondary Partner: [South Louisiana Community College](#)

Overview

Students in a Computer Information Technology program gain knowledge and skills to install, administer and troubleshoot networks. They learn about the installation and troubleshooting of network operating systems, cabling, CISCO routers and switches, security and wireless networks and other LAN/WAN technologies. Graduates from the Information Technology program can troubleshoot and solve various IT issues encountered in regular businesses by using diagnostic software and technical knowledge base, demonstrate and apply effective written, oral and nonverbal communication techniques in a variety of organizational situations, explain terminology, rules and practices regarding common IT issues and their proper solutions, observe and apply basic safety rules and procedures related to information technology software and hardware and apply proper communication and customer service skills upon entering the workforce.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
<ul style="list-style-type: none"> -Microsoft Technology Associate (MTA) -Microsoft Certified Solutions Associate (MCSA) - Microsoft Office Specialist: Access - Microsoft Office Specialist: Word, PowerPoint AND Excel 	<ul style="list-style-type: none"> - Certificate of Technical Studies: Cyber Security - Certificate of Technical Studies: System Analyst - Certificate of Technical Studies: System Support Technician - CompTIA IT Fundamentals + 	<ul style="list-style-type: none"> - Technical Diploma in Information Technology - CompTIA Network+ - CompTIA A+ - CompTIA Security+ 	Associate of Applied Science: Information Technology

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Algebra I 160321	*Algebra II 160322
*World Geography 220300	*Environmental Science: AP Environmental Science 150311 or Earth Science 150901



*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500
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Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Geometry 160323	*Core Art Selection
*Biology 150301	*U.S. History 220403
*World History 220401	*Chemistry 150401
*Foreign Language I	*Foreign Language II

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
Seminar in First-Year Student Experience SFSE 1003	DE Seminar in First-Year Student Experience 890202	*Math 1105 College Algebra	*Algebra III: DE - CMAT 1213 College Algebra 160500
**Installation & Troubleshooting II INTE 1110	**Install & Troubleshooting II 890303	**Introduction to Client/Server Network INTE 2010	**DE Introduction to Client/Server Network 890332
**Installation & Troubleshooting I INTE 1100	**DE Install & Troubleshooting I 890302	**Server Network Infrastructure INTE 2020	**DE Server Network Infrastructure 890338
**Operating Systems INTE 1200	**DE Operating Systems 890319	**Introduction to Routing & Switching INTE 2111	**DE Introduction to Routing & Switching 890333
**Introduction to Programming INTE 1210	**DE Introduction to Programming 080500	**Approved Elective	**TBD by course selected



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Rhetoric & Composition ENG 1010	*English III: DE - CENL 1013 English Composition I 120601	*Introduction to Fiction ENG 2055 or British Literature ENG 2020	*English IV: DE - CENL 2303 Introduction to Fiction 120614 or CENL 2103 British Literature I 120608
*American National Government POLI 1100	*US Government: DE - CPOL 2013 Intro to American Government 220514	*Environmental Science ENSC 1000	*Environmental Science: DE - CEVS 1103 Environmental Science 150914
**Networking Technologies INTE 2110	**DE Networking Technologies 890336	**Configuring Advanced Server Services INTE 2033 or INTE Elective	**DE Configuring Advanced Server Services 890328
**Approved Elective	**TBD by course selected	**Approved Elective	**TBD by course selected
**Approved Elective	**TBD by course selected	**Approved Elective	**TBD by course selected

Approved Electives

Postsecondary Course	LDOE Course/Code
**Introduction To UNIX/LINUX INTE 1800	**DE Introduction to UNIX/LINUX 890334
**Implementing Network Security INTE 2014	**DE Implementing Network Security 890329
**Server Network Infrastructure INTE 2020	**DE Server Network Infrastructure 890338
**Managing Network Security INTE 2840	**DE Managing Network Security 890335
**SQL Database INTE 2073	**DE SQL Database 890339



**Cloud Technologies INTE 2853	**DE Cloud Technologies 890327



REGION 5



Jump Start 2.0 Associate Applied Science: Business Administration Concentration Hospitality Management

Postsecondary Partner: [SOWELA Technical Community College](#)

Overview

The mission of the Business Administration program is to offer students a well-rounded business education that will equip them for entry-level administrative or supervisory positions. Students receive instruction in foundational areas of business such as marketing, management, ethics, personal finance and accounting. Students in Business Administration can select a concentration in General Business or Hospitality Management.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
ServSafe Manager	Certificate of Technical Studies: Management Trainee	Technical Diploma: Business Administration	Associate of Applied Science: Business Administration Concentration Hospitality Management

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Physical Education I 190105
*Algebra I 160321	**Quest for Success 080411
*Physical Science 150802 or Environmental Science 150310	**Food Science 100315
*Civics 220501/220504	**Intro to Bus Comp Apps 040401



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*½ Physical Education II 190106 ½ Health Education 190500
*Algebra II 160322	**First Responder 090711
*Biology 150301	**Food Services I 100315
**Cyber Society (NICERC Partnership) 040218	* Geometry 160323

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Composition ENGL 1010	*English III: DE - CENL 1013 English Composition I 120601	Business Communications BUSI 2300 or English Composition II ENGL 1020	Business English 125020 or English IV: DE - CENL 1023 English Composition II 120607
**Fundamentals of Accounting ACCT 1110	**DE Fundamentals of Accounting 890423	*College Algebra MATH 1100	*Algebra III: DE - CMAT 1213 College Algebra 160500
**Introduction to Software Application ITEC 1000 or Application Basics OADM 1150	**DE Business Computer Applications 040400	**Principles of Management BUSI 2310	**DE Principles of Management 890422
**Introduction to Business BUSI 1030	**DE Principles of Business 040306	**Principles of Marketing BUSI 2320	**DE Principles of Marketing I 041025
**Customer Service OADM 1000	**DE Customer Service 041001	**Hospitality Management HOSP 1000	**DE Principles of Hospitality and Tourism 080710



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
**Legal Environment of Business BUSI 2010	**DE Business Law 040303	**Resort Operations HOSP 1010	**DE Lodging Management I 040502
*Microeconomics ECON 2020	*Economics: DE - CECN 2223 Microeconomics 220609	**Food & Beverage Operations CULN 2433	**DE Food & Beverage Operations 891500
*American History I HIST 2010 or American History II HIST 2020	*US History: DE - CHIS 2013 American History I 220407 or US History: DE - CHIS 2023 American History II 220408	*General Biology II BIOL 1020	*Biology II: DE - CBIO 1023 General Biology II 150325
**Business Ethics BUSI 2330	**DE Ethics in Business 080640	**Introduction to Psychology PSYC 2010 OR Introduction to Sociology SOCL 2010	**Psychology: DE CPSY 2013 - Introduction to Psychology 225011 or DE Sociology 220601
**Sanitation and Safety CULN 1133	**DE Workplace Safety 311923	**Internship BUSI 2995	**DE Internship Fast Forward 890050



TOPS University Associate: General Studies

Postsecondary Partner: [Northwestern State University](#)

Overview

Students can earn an Associate of General Students (AGS) by enrolling in the outlined dual credit courses. A minimum of 60 semester hours of academic work is required for the AGS. Academic coursework includes general education requirements and enrichment elective requirements.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
MOS Specialist	Micro-Enterprise Statewide Basic		Louisiana Transfer Degree Associate: General Studies

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Algebra I 160321	*Geometry 160323
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500
*Physical Science 150802 or Environmental Science 150310	**Cyber Society (NICERC Partnership) 040218



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Algebra II 160322	*Chemistry 150401
*Biology 150301	*U.S. History 220403
*Foreign Language I	*Foreign Language II
** Intro to Bus Comp Apps 040401 or Business Computer Applications 040400	**Entrepreneurship II (Adv Micro Ent Credential) 041041

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Basic Concepts of Physical Science I SCI 1010	*Physical Science: DE - CPHY 1023 Physical Science I 150915	Principles of Sociology SOC 1010	DE Sociology 220601
*Composition and Rhetoric I ENGL 1010	*English III: DE - CENL 1013 English Composition I 120601	*Early World Civilization HIST 1010	*Western Civ: DE - CHIS 1013 Western Civilization I 220446
*World Regional Geography - the Developed World GEOG 1010	*World Geography: DE - CGRG 2113 World Regional Geography 220312 or Physical Geography: DE- CGRC 2113 Physical Geography 220301	*Modern World Civilization HIST 1020	*Western Civ: DE - CHIS 1023 Western Civilization II 220447
*College Algebra MATH 1020	*Algebra III: DE - CMAT 1213 College Algebra 160500	The Ways Of Humankind: an Anthropological Perspective ANTH 1510	DE The Ways Of Humankind: an Anthropological Perspective 890115
Oral Communication 1010	DE Speech I 051101	*Biological Principles I BIOL 1010	*Biology II: DE - CBIO 1033 General Biology I (Sci Majors) 150324



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
General Psychology PSYC 1010	Psychology: DE CPSY 2013 - Introduction to Psychology 225011	*Composition and Rhetoric II ENGL 1020	*English IV: DE - CENL 1023 English Composition II 120607
*Government of the United States PSCI 2010	*US Government: DE - CPOL 2013 Intro to American Government 220514	Developmental Psychology PSYC 2050	DE Developmental Psychology 890116
Finite Mathematics MATH 1060	DE Finite Mathematics 890107	The University Experience UNIV 1000	DE The University Experience 890203
*Exploring the Arts FA 1040	*Fine Arts Survey: DE - CART 1013 Exploring the Arts 030593	History of the United States HIST 2020	US History: DE - CHIS 2023 American History II 220408
Introduction to Philosophy PHIL 1010	DE Introduction to Philosophy 890113		



REGION 6

Under Further Development



REGION 7



Jump Start 2.0 Pre-Apprenticeship: Electrician
 Postsecondary Partner: [Electrical Training Alliance \(ETA\)](#)

Overview

The electrician pre-apprenticeship is designed to prepare students to enter and succeed in registered apprenticeship, as well as explore the crafts of the trade. This electrical pre-apprenticeship program provides students with the knowledge and skills necessary for advanced placement into a post-secondary electrical apprenticeship program. This includes the introduction of tools and materials that an electrician will use on a daily basis, workplace soft skills needed to succeed and instruction in basic electrical theories. Students who are 18 or older and are working on the ETA curriculum or hold the credential can apply with the local [International Brotherhood of Electrical Workers \(IBEW\)](#) for apprenticeship programs. Students who are under 18 can participate in pre-apprenticeship programs with school district electricians or with local electricians willing to hire the students. 17 year olds are eligible to apply with IBEW while working on the ETA curriculum, but will not be hired as an apprentice until they turn 18.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
	-ETA Level 1-3 -ETA Level 4 -ETA Level 5	-ETA Interim Credentials Curriculum	Pre-apprenticeship: Electrical

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Physical Education I 190105
*Algebra I 160321	**Quest for Success 080411
*Physical Science 150802 or Environmental Science 150310	*Business Math 040307
*Civics 220501/220504	*Business English 040302



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*½ Physical Education II 190106 ½ Health Education 190500
*Geometry 160323	*Technical Writing 120350
*Financial Literacy 271001	*Biology 150301
*U.S. History 220403	*Math Essentials 160351

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
	** Fast Forward Pre-Apprenticeship: ETA 890006 (3 credits)		**Fast Forward Pre-Apprenticeship: ETA 890007 (4 credits)
	**Workplace Safety 311923		

Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
	*Fast Forward Pre-Apprenticeship: ETA OJT 890011 (4 credits)		**Fast Forward Pre-Apprenticeship: ETA OJT 890011 (4 credits)



Jump Start 2.0 Associate of Applied Science: Business Office Administration (General Concentration)

Postsecondary Partner: [Central Louisiana Technical Community College](#)

Overview

This program prepares individuals to perform the duties of special assistants for business executives and top management. It includes instruction in business communications, public relations, scheduling, travel management, conference and meeting recording, report preparation, office equipment and procedures, office supervisory skills, professional standards and legal requirements.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
Career and Technical Certificate: Software Applications	Certificate of Technical Studies: Customer Service Specialist Certificate of Technical Studies: Administrative Assistance Career and Technical Certificate: Customer Service Representative	Technical Diploma: Business Administration (General Concentration)	Associate of Applied Science: Business Administration (General Concentration)

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*American Government 220502
*Math Essentials 160351	*Algebra I 160321
**Computer Literacy and Applications CPTR 1002/DE Intro to Bus Comp Apps 850039	**Word Processing ISYS 1440/DE Word Processing 040203
*Physical Education I 190105	*Physical Science 150802



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*Biology 150301
*Geometry 160323	*U.S. History 220403
**Entrepreneurship I 041038	*½ Physical Education II 190106 ½ Health Education 190500
**Technical Reading and Writing 125010	**Intro to Financial Accounting CACC 2113 or Principles of Accounting I CACC 2313/DE DE Accounting I 850002

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Business Mathematics BUSM 1050	*DE Business Math 040307	*Business English BUSE 1030	*DE Business English 125020
**Customer Service CSRV 1000	**DE Customer Service 041001	**Keyboarding KYBD 1010	**DE Keyboarding 040229
**Freshman Seminar ORNT 1000	**DE Freshman Seminar 890204	Records and Information Management BUSO 1100	**DE Records and Information Management 890402
**Computerized Accounting ACCT 1500	**DE Accounting II 040104	Spreadsheets CPTR 1320	**DE Spreadsheets 890348
**Introduction to Business BUSI 1030	**DE Introduction to Business 890400	Advanced Word Processing ISYS 1540	**DE Advanced Word Processing 890345
**Office Procedures OSYS 2530	**DE Office Procedures 890401	**Business Communications BUSE 1045	**DE Business Communications 040305



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
* English Composition I ENGL 1010	*English IV: DE - CENL 1013 English Composition I 120606	Natural Science Elective	TBD by course selected
Math Elective	TBD by course selected	Humanities Elective	TBD by course selected
**Advanced Spreadsheets CPTR 1420	**DE Advanced Spreadsheets 890344	Approved Business Elective	TBD by course selected
Behavioral/Social Science Elective	TBD by course selected	Behavioral/Social Science Elective	TBD by course selected
Approved Elective	TBD by course selected	**Job Seeking Skills JOBS 2450	**DE Job Seeking Skills 890421



Jump Start 2.0 Associate of Science: Computer Science (Scientific Option)

Postsecondary Partner: [Southern University Shreveport](#)

Overview

The Certificate of Applied Science is designed to attract students who desire to learn about technology as it relates to business rather than from a scientific perspective. After graduation, a student will be able to go directly into the workforce into various computer-related fields, or the student may choose to continue their educational path at a higher institution in Computer Information Systems or Management Information Systems.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
- Microsoft Word, PowerPoint and Excel - Microsoft Access	- CompTIA IT Fundamentals	- CompTIA Network+ - CompTIA A+	Associate of Science: Computer Science (Scientific Option)

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Algebra I 160321	*Financial Literacy 160345
*Physical Science 150802	*Biology 150301
*Civics 220501/220504	*U.S. History 220403



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500
**Quest for Success 080411	Elective of Choice code TBD by course selected
**Intro to Bus Comp Apps 040401	*Algebra II 160322
Elective of Choice code TBD by course selected	Elective of Choice code TBD by course selected

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Freshman English I SENL 101S	*English III: DE - CENL 1013 English Composition I 120601	*Trigonometry SMAT 122S	*Advanced Mathematics - Pre-Calculus: DE - CMAT 1223 Trigonometry 160501
*Pre-Calculus Algebra SMAT 121S	*Pre-Calculus: DE- CMAT 1233 or (CMAT 1213 & 1223) Alg & Trig 160502	**Python CMPS 150S	**DE Python 890342
*General Biology Lecture SBIO 103S and General Biology Lab SBIO 103LS	*Biology II: DE - CBIO 1023 General Biology II 150325	**Introduction to Programming in C++ CMPS 293S	**DE Introduction to Programming in C++ 890340
**Structured Programming CMPS 140S	**DE Structured Programming 890343	**Business Applications CMPS 225S	**DE Business Computer Applications 040400
College Success FROR 120S	DE College Success 890200	**Data Structures CMPS 240S	**DE Data Structures and Algorithms 080507



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Freshman English II SENL 102S	*English IV: DE - CENL 1023 English Composition II 120607	**Public Speaking SCOM 2015	**DE Speech I 051101
**Object-Oriented Programming using Java CMPS 296S	*DE Object-Oriented Programming using Java 890341	Physical Science I SPHY 102S	Physical Science: DE - CPHY 1023 Physical Science I 150915
*Analytic Geometry and Calculus I SMAT 211S	*Calculus: DE - CMAT 2113-5 Calculus I 160506	Intro to Sociology SSOC 201S	DE Sociology 220601
**Discrete Structures CMPS 250S	**DE Discrete Structures 080506	**Computer Systems Maintenance CNET 145S	**DE CompTIA A+ Level 1 825015
Understanding the Arts FIAR 200S	Fine Arts Survey: DE - CART 1013 Exploring the Arts 030593	**Support Client Operating System CNET 156S	**DE CompTIA A+ Level 2 825014



TOPS University Associate of Applied Science: General Studies

Postsecondary Partner: [Northwestern State University](#)

Overview

Students can earn an Associate of General Students (AGS) by enrolling in the outlined dual credit courses. A minimum of 60 semester hours of academic work is required for the AGS. Academic coursework includes general education requirements and enrichment elective requirements.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
Not applicable			-Associate of Applied Science: General Studies

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Physical Education I 190105
*Algebra I 160321	**Quest for Success 080411 (elective)
*Physical Science 150802 or Environmental Science 150310	*Foreign Language I
*Civics 220501/220504	**Intro to Bus Comp Apps 040401

Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*½ Physical Education II 190106 ½ Health Education 190500
*Geometry 160323	*Algebra II 160322
*Biology 150301	*Foreign Language II



*U.S. History 220403	*Chemistry 150401
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Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*US Government PSCI 2010	*US Government: DE - CPOL 2013 Intro to American Government 220514	*Early US History HIST 2010	*US History: DE - CHIS 2013 American History I 220407
*English Comp I ENGL 1010	*English III: DE - CENL 1013 English Composition I 120601	*English Comp II ENGL 1020	*English IV: DE - CENL 1023 English Composition II 120607
*College Algebra Math 1020	*Algebra III: DE - CMAT 1213 College Algebra 160500	*Trig MATH 1090	*Pre-Calculus: DE- CMAT 1233 or (CMAT 1213 & 1223) Alg & Trig 160502
Intro to Criminal Justice CJ 1100	DE Intro to Criminal Justice 890112	Oral Comm COMM 1010	DE Oral Comm 890114
*Late US History HIST 2020	*US History: DE - CHIS 2023 American History II 220408	*World Geography GEOG 1010	*World Geography: DE - CGRG 2113 World Regional Geography 220312
Interpersonal Communication COMM 2500	DE Interpersonal Communication 890111		



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
Principles of Sociology SOC 1010	DE Sociology 220601	*Intro to Lit English 2110	English IV: DE - CENL 2323 Introduction to Literature 120615
*Biology Principles I BIOL 1010/Lab BIOL 1011	*Biology: DE - CBIO 1033 General Biology I (Sci Majors) 150322	Biology Principles II BIOL 1020/Lab BIOL 1021	*Biology II: DE - CBIO 1043 General Biology II (Sci Majors) 150326
*Early Western Civilization HIST 1010	*Western Civ: DE - CHIS 1013 Western Civilization I 220446	*Early Western Civilization HIST 1020	*Western Civ: DE - CHIS 1023 Western Civilization II 220447
General Psychology PSYC 1010	Psychology: DE CPSY 2013 - Introduction to Psychology 225011	Fundamentals of Business Enterprises BUAD 1040	*DE Fundamentals of Business Enterprises 890420
Fine Arts FA 1040	*Fine Arts Survey: DE - CART 1013 Exploring the Arts 030593	University Studies UNIV 1000	DE University Studies 890205
		Developmental Psychology PSYC 2050	DE Psychology 222001



TOPS University Associate of Applied Science: Engineering Technology
 Postsecondary Partner: [Southern University Shreveport](#)

Overview

The Associate in Applied of Science, Emphasis in Engineering Technology provides the curriculum for students who wish to specialize in Industrial Engineering and/or are preparing for application to other postsecondary programs in various Industrial and Manufacturing fields. Students who complete all requirements may also earn two additional Embedded Certificate in Quality Assurance Technology (CTS) and Certificate in Engineering Technology (CTS) with a 61 credit hour requirement.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
Not applicable	Certificate of Technical Studies: Quality Assurance Technician		Associate of Applied Science: Engineering Technology

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Physical Science 150802 or Environmental Science 150310
*Algebra I 160321	**Quest for Success 080411 (elective)
*Civics 220501/220504	*Foreign Language I
*Physical Education I 190105	*World History 220401



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*Biology 150301
*Geometry 160323	*Algebra II 160322
*Foreign Language II	*U.S. History 220403
*½ Physical Education II 190106 ½ Health Education 190500	*Chemistry 150401

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Freshman English 1 SENG 101S	*English III: DE - CENL 1013 English Composition I 120601	**Engineering Graphics ENGR 120S	**DE Drafting & Design Technology I 311300
*Western Civilization SHIS 101S	*Western Civ: DE - CHIS 1013 Western Civilization I 220446	**Intro to Industrial Engineering Technology IETC 125S	**DE Intro to Industrial Engineering Technology 891406
Introduction to Sociology SOC 201S	DE Sociology 220601	*Plane Trigonometry SMAT 122S	*Adv Math - Pre-Calculus: DE - CMAT 1223 Trigonometry 160501
*Chemistry I Lecture SCHE 132S/Lab SCHE 132LS	*Chemistry II: DE - CCEM 1103 Chemistry I 150419	**Introduction to Engineering & Technology ENGR 140S	**DE Introduction to Engineering & Technology 891407
*Pre-Calculus Algebra SMAT 121S	*Pre-Calculus: DE- CMAT 1233 or (CMAT 1213 & 1223) Alg & Trig 160502	**Technical Communication ENGR 230S	**DE Technical Communication 890110
**Digital Logic Design ELEC 220S	**DE Digital Logic Design 891400	**Electrical Circuits I ELEC 110S	**DE Electrical Circuits I 891401



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Freshman English 2 SENG 102S	*English IV: DE - CENL 1023 English Composition II 120607	**Safety, Health, & Environment (OSHA) ENGR 201S	**DE Safety, Health, & Environment (OSHA) 891411
**Engineering Mechanics ENGR 226S	**DE Engineering Mechanics 891404	**Quality Control Systems (Lean Six Sigma) ENGR 208S	**DE Quality Control Systems (Lean Six Sigma) 891410
**Electrical Circuits II Lecture and Lab ELECT 210S	**DE Electrical Circuits II Lecture and Lab 891402	**Production, Planning & Control IETC 135S	**DE Production, Planning & Control 891409
**Manufacturing Materials & Science IETC 228S	**DE Manufacturing Materials & Science 891408	**Work Ergonomics & Measurement IETC 236S	**DE Work Ergonomics & Measurement 891412
**Electro-Mechanical Control Technology ENGR 240S	**DE Electro-Mechanical Control Technology 891403	**Industrial Engineering Technology Co-Op IETC 299S	**DE Industrial Engineering Technology Co-Op 891405
*Understanding the Arts FIAR 200S	*Fine Arts Survey: DE - CART 1013 Exploring the Arts 030593		



REGION 8



Jump Start 2.0 Associate of Applied Science: Technical Studies Concentration in Electrician

Postsecondary Partner: [Louisiana Delta Community College](#)

Overview

The Associate of Applied Science (AAS) degree prepares graduates to enter a career immediately after graduation. Electricians install and maintain electrical systems in residential construction and commercial buildings. They also work in manufacturing settings often servicing highly automated industrial processes. Increasingly electricians will be required to wire computer networks and telecommunications. This program will prepare students to work in each of these applications of electricity.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
- OSHA 30	-Certificate of Technical Studies: Residential Electrician - NCCER Electrical Level 1	-Technical Diploma: Commercial Wiring II - NCCER Electrical 2	-Associate of Applied Science: Technical Studies Concentration in Electrician

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Physical Education I 190105
*Algebra I 160321	*Civics 220501/220504
**Quest for Success 080411 or Jobs for America's Graduates 1 042010	*Agriscience II 010302 or Environmental Science 150310
**Intro to Bus Comp Apps 040401 or Agriscience I 010301	**Cyber Society (NICERC Partnership) 040218



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*Biology 150301
*Financial Literacy 160345 or Geometry 160323	**Jobs for America's Graduates 3 042030 or Remote Controlled Vehicle Technologies 110796
*½ Physical Education II 190106 ½ Health Education 190500	**Workplace Safety 311923
**Jobs for America's Graduates 2 042020 or Basic Technical Drafting 110560	**Business Computer Applications 040400

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Business English BUSE 1030	*DE Business English 125020	*English Composition I ENGL 101	*English III: DE - CENL 1013 English Composition I 120601
*Technical Mathematics for Electricians ELEC 2460 (4 th math)	*DE Technical Mathematics for Electricians 890809	**Residential Wiring Installation ELEC 1311	**DE Residential Wiring Installation 890806
**Basic Electricity ELEC 1120	**DE Basic Electricity I 310400	**Generators/Motors and Transformer Operation ELEC 1330	**DE Generators/Motors and Transformer Operation 890801
**Residential Wiring ELEC 1210	**DE Residential Wiring 890806	**Introduction to Motor Control ELEC 1420	**DE Introduction to Motor Control 890802
**Electrical Raceways ELEC 1220	**DE Electrical Raceways 890800	**Blueprint Interpretation ELEC 1430	**DE Design, Blueprint Reading and Codes 310622



Freshman Seminar ORNT 1000	DE Freshman Seminar 890204	**Introduction to Computers CPTR 1000	**DE Introduction to Computers 890346
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Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*U.S. History HIST 202	*US History: DE - CHIS 2013 American History I 220407	*Natural Science (General Biology I BIOL 101 OR Physical Science I PHSC 100)	*Biology II: DE - CBIO 1013 General Biology I 150323 or Physical Science: DE - CPHY 1023 Physical Science I 150915
*College Algebra MATH 110	*Algebra III: DE - CMAT 1213 College Algebra 160500	Psychology PSYC 201 or Sociology SOCL 201	Psychology: DE CPSY 2013 Introduction to Psychology 225011 or DE Sociology 220601
**Solid State Theory ELEC 2520	**DE Solid State Theory 890808	**Introduction to Programmable Logic Controllers ELEC 2720	**DE Programming Logic and Design 080502
**National Electrical Code ELEC 1230	**DE National Electrical Code 890805	**Logic Functions ELEC 2540	**DE Logic Functions 890803
**Motor Controls ELEC 1440	**DE Motor Controls 890804	**Job Seeking Skills JOBS 2450	**DE Advanced Career Readiness 080410



Jump Start 2.0 Associate of Applied Science: Technical Studies Concentration in Welding

Postsecondary Partner: [Louisiana Delta Community College](#)

Overview

The Technical Diploma in Welding prepares 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 learned the skills identified by the [American Welding Society \(AWS\)](#) to be prepared to take the AWS Entry Level Welder test.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
- NCCER Welding Helper	-Certificate of Technical Studies: Arc Welder - GMAW -Certificate of Technical Studies: Arc Welder - GTAW -Certificate of Technical Studies: Arc Welder - SMAW -NCCER Welding Level 1	-Technical Diploma: Welding -NCCER Welding Level II	-Associate of Applied Science: Technical Studies Concentration in Welding

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Physical Education I 190105
*Algebra I 160321	*Civics 220501/220504
**Quest for Success 080411 or Jobs for America's Graduates 1 042010	*Agriscience II 010302 or Environmental Science 150310
**Intro to Bus Comp Apps 040401 or Agriscience I 010301	**Cyber Society (NICERC Partnership) 040218



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*Biology 150301
*Financial Literacy 160345 or Geometry 160323	**Jobs for America's Graduates 3 042030 or Remote Controlled Vehicle Technologies 110796
*½ Physical Education II 190106 ½ Health Education 190500	**Business Computer Applications 040400
**Jobs for America's Graduates 2 042020 or Basic Technical Drafting 110560	**DE Occ. Orientation & Safety WELD 1110/Occ. Orientation & Safety 890713

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*U.S. History HIST 202	*US History: DE - CHIS 2013 American History I 220407	*English Composition I ENGL 101	*English III: DE - CENL 1013 English Composition I 120601
*Business English BUSE 1030	*DE Business English 125020	**Cutting Processes - CAC/PAC WELD 1310	**DE Cutting Processes - CAC/PAC 890702
*Basic Blueprint, Metallurgy & Welding Symbols WELD 1120 (4 th math)	**DE Basic Blueprint, Metallurgy & Welding Symbols 890721	**SMAW - Basic Beads WELD 1410	**DE Basic SMAW 313120 313120
**Welding Inspection & Testing WELD 1130	**DE Welding Inspection & Testing 890720	**SMAW - Fillet Weld WELD 1411	**DE SMAW - Fillet Weld 890718
**Oxyfuel Systems WELD 1210	**DE Oxyfuel Systems 890714	**Introduction to Computers CPTR 1000	**DE Intro to Bus Comp Apps 040401



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*College Algebra MATH 110	*Algebra III: DE - CMAT 1213 College Algebra 160500	Psychology PSYC 201 or Sociology SOCL 201	Psychology: DE CPSY 2013 - Introduction to Psychology 225011 or DE Sociology 220601
**SMAW - V-Groove Bu/Gouge WELD 1412	**DE SMAW Groove Welds 313121	**Job Seeking Skills JOBS 2450	**DE Advanced Career Readiness 080410
**SMAW-V-Groove Open WELD 1420	**DE SMAW-V-Groove Open 890719	*Natural Science (General Biology I BIOL 101 OR Physical Science I PHSC 100)	*Biology II: DE - CBIO 1013 General Biology I 150323 or Physical Science: DE - CPHY 1023 Physical Science I 150915
**FCAW - Basic Fillet Welds WELD 2110	**DE FCAW - Basic Fillet Welds 890704	**GMAW - Basic Beads WELD 2210	**DE GMAW - Basic Beads 890709
**FCAW - Groove Welds WELD 2111	**DE FCAW - Groove Welds 890705	**GMAW - Basic Fillet Weld WELD 2310	**DE GMAW - Basic Fillet Weld 890710
**Intro to Public Speaking SPCM 120	**DE Speech I 051101	**GMAW - Groove Weld WELD 2311	**DE GMAW - Groove Weld 890711



Jump Start 2.0 Associate of Applied Science: Business Office Administration

Postsecondary Partner: [Louisiana Delta Community College](#)

Overview:

The Associate of Applied Science in Business Office Administration prepares individuals to acquire marketable skills for entry-level employment positions and career advancement in various areas of business, industry and government offices. Students will receive hands-on training in office technology software skills using Word, Excel, Access and Publisher. Coursework in business calculators, records management, business communication, math, accounting and office procedures is also included in the curriculum. This program provides students with safe and efficient work practices, basic occupational skills, customer service, job-seeking skills, employability skills and strong work ethics required for success in the workplace.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Career and Technical Certificate in General Clerk - Microsoft Access - Microsoft Word, PowerPoint and Excel - Customer Service	-Certificate of Technical Studies: Office Assistant Specialist	-Technical Diploma :Business Office Technology General Office Concentration	-Associate of Applied Science: Business Office Administration

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Physical Education I 190105
*Algebra I 160321	*Civics 220501/220504
**Quest for Success 080411 or Jobs for America's Graduates 1 042010	*Agriscience II 010302 or Environmental Science 150310
**Intro to Bus Comp Apps 040401 or Agriscience I 010301	**Cyber Society (NICERC Partnership) 040218



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*Biology 150301
*Algebra II 160322 or Financial Literacy 160345	*U.S. History 220403
*½ Physical Education II 190106 ½ Health Education 190500	**Basic Keyboarding KYBD 1010 and Introduction to Formatting KYBD 1111/DE Keyboarding 040229
**Jobs for America's Graduates 2 042020 or Workplace Safety 311923	**Customer Service CSRV 1000/DE Customer Service 041001

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Business English BUSE 1030	*DE Business English 125020	*English Composition I ENGL 101	*English III: DE - CENL 1013 English Composition I 120601
*Business Math BUSM 1050	*DE Business Math 040307	**Word Processing ISYS 1440	**DE Word Processing 040203
Freshman Seminar ORNT 1000	DE Freshman Seminar 890204	**Introduction Database Management CPTR 1310	**DE Databases Design and Programming 080501
**Computer Literacy and Applications CPTR 1002	**DE Computer Literacy and Applications 890347	**Principles of Accounting Part I ACCT 1100	**DE Accounting I 040101
**Business Communication BUSE 1045	**DE Business Communications 125030	**Principles of Accounting Part II ACCT 1200	**DE Accounting II 040104



Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
Introduction to Psychology PSYC 201 or Introduction To Sociology SOCL 201	Psychology: DE CPSY 2013 - Introduction to Psychology 225011 or Sociology 220601	Western Civilization to 1650 A.D. HIST 101 or History of the United States 1492-1877 HIST 201	Western Civ: DE CHIS 1013 Western Civilization I 220446 or US History: DE - CHIS 2013 American History I 220407
*College Algebra MATH 110	*Algebra III: DE- CMAT 1213 - College Algebra 160500	General Biology I BIOL 101	Biology II: DE – CBIO 1013 General Biology I 150323
**Spreadsheets CPTR 1320	**DE Spreadsheets 890348	**Desktop Publishing ISYS 1650	**DE Desktop Publishing 040207
**Records Management OSYS 1100	**DE Records Management 890418	**Computerized Accounting ACCT 1500	**DE Computerized Accounting 890415
**Office Procedures OSYS 2530	**DE Office Procedures 890417	**Job Seeking Skills Jobs 2450	**DE Advanced Career Readiness 080410
**Introduction to Formatting KYBD 1111	**DE Introduction to Formatting 890416		



Jump Start 2.0 Associate of Applied Science: Industrial Instrumentation Technology

Postsecondary Partners: [Louisiana Delta Community College](#)

Overview

The Associate of Applied Science in Industrial Instrumentation Technology prepares individuals to install, maintain, troubleshoot and repair various types of measuring and control instruments and peripherals, such as measuring, transmitting, indicating, recording, controlling devices, final elements, optical instruments and control systems. Specialized classroom instruction will be provided along with practical shop experience in the areas of electronics, motor controls and different types of measuring systems. Students may be granted a Technical Diploma upon satisfactory completion of the diploma curriculum. Certificates are also offered. Students transferring into the program must take a minimum of 12 hours of technical coursework at Louisiana Delta Community College to be eligible to graduate with an Associate's Degree in Industrial Instrumentation.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
- OSHA 30	-Certificate of Technical Studies: Industrial Electronic Repair	-Technical Diploma: Industrial Instrumentation Technician	-Associate of Applied Science: Industrial Instrumentation Technology

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Physical Education I 190105
*Algebra I 160321	*Civics 220501/220504
**Quest for Success 080411 or Jobs for America's Graduates 1 042010	*Agriscience II 010302 or Environmental Science 150310
**Intro to Bus Comp Apps 040401 or Agriscience I 010301	**Cyber Society (NICERC Partnership) 040218



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*Biology 150301
*Algebra II 160322 or Financial Literacy 160345	**Jobs for America's Graduates 3 042030 or Remote Controlled Vehicle Technologies 110796
*½ Physical Education II 190106 ½ Health Education 190500	**Business Computer Applications 040400
**Jobs for America's Graduates 2 042020 or Basic Technical Drafting 110560	**Workplace Safety 311923

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Business English BUSE 1030	*DE Business English 125020	**English Composition I ENGL 101	*English III: DE - CENL 1013 English Composition I 120601
*History Of The U.S. 1877-present HIST 202	*US History: DE - CHIS 2023 American History II 220408	*Digital Logic & Analog/Digital Conversion INST 1030 (4 th math)	*DE Digital Logic & Analog/Digital Conversion 890903
**Introduction to Industrial Instrumentation INST 1000	**DE Introduction to Industrial Instrumentation 890905	**Practical Wiring and Fabrication INST 1500	**DE Practical Wiring and Fabrication 890907
**Fundamentals of Direct & Alternating Current Circuits INST 1010	**DE Fundamentals of Direct & Alternating Current Circuits 890904	**Motors and Motor Control INST 1510	**DE Motors and Motor Control 890906
**Solid State Devices and Circuits INST 1020	**DE Solid State Devices and Circuits 890911	**Primary/Final Elements and Control Loops INST 1520	**DE Primary/Final Elements and Control Loops 890908



Freshman Seminar ORNT 1000	DE Freshman Seminar 890204		
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Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
**College Algebra MATH 110	*Algebra III: DE - CMAT 1213 College Algebra 160500	*Introduction To Psychology PSYC 201	*Psychology: DE CPSY 2013 - Introduction to Psychology 225011
*Physical Science I PHSC 100	*Physical Science: DE - CPHY 1023 Physical Science I 150915	**Safety Standards and Systems INST 2010	**DE Safety Standards and Systems 890910
**Properties of Temperature, Pressure, and Flow INST 1530	**DE Properties of Temperature, Pressure, and Flow 890909	**Programmable Logic Controllers INST 2020	**DE Programming Logic and Design 080502
**Automatic Control, Controllers, and Tuning INST 1540	**DE Automatic Control, Controllers, and Tuning 890901	**Communication and Distributed Control INST 2030	**DE Communication and Distributed Control 890902
**Analytical Measurement and Control INST 2000	**DE Analytical Measurement and Control 890900	**Introduction to Computers CPTR 1000	**DE Introduction to Computers 890346
**Intro to Public Speaking SPCM 120	**DE Speech I 051101	**Job Seeking Skills JOBS 2450	**DE Advanced Career Readiness 080410



TOPS University Associate of Science: Teaching Grades 1-5
 Postsecondary Partner: [Louisiana Delta Community College](#)

Overview

The Associate of Science in Teaching program introduces candidates to the field of teaching by focusing on professional responsibilities of educators and the development of elementary school children. The primary topics addressed are: Professional Issues for Education Careers, Child Development, Technology for Teaching and Learning, Diverse Ways of Knowing and Learning, and Professional Issues of Diversity in Education. The program includes a combination of lecture, group learning, maintaining an electronic portfolio, reflection, site-based experiences within schools. Courses in the AST program are designed to transfer into applicable bachelor's degree programs based upon the four-year institution's guidelines.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
	-Louisiana Pre-Educator - Basic	-Louisiana Pre-Educator - Advanced -CompTIA A+	-Associate of Science: Teaching Grades 1-5

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Physical Education I 190105
*Algebra I 160321	*Civics 220501/220504
*Environmental Science 150310	*Foreign Language I
**Quest for Success 080411	**Psychology 222001 or Child Development 100604



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*½ Physical Education II 190106 ½ Health Education 190500
*Geometry 160323	*Foreign Language II
**CompTIA A+ Level 1 061130 or Computer Science I 061102	*U.S. History 220403
*Chemistry 150401	**Cyber Society 040216

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
	Algebra II 160322	*English Composition II ENGL 102	*English IV: DE - CENL 1023 English Composition II 120607
*English Composition I ENGL 101	*English III: DE - CENL 1013 English Composition I 120601	**Introduction to Teaching TEAC 101	**DE Foundations of Education 100678
*General Biology I BIOL 101 /General Biology I Lab BIOL 103	*Biology: DE - CBIO 1013 General Biology I 150321	*General Biology II BIOL 102	*Biology II: DE - CBIO 1023 General Biology II 150325
Freshman Seminar FRST 100	DE Freshman Seminar 890204	**Elementary Number Structure MATH 203	**DE Elementary Number Structure 891000
*Humanities/American History I HIST 201	*US History: DE - CHIS 2013 American History I 220407	*History of Western Civilization II HIST 102	*World History: DE - CHIS 1123 World Civilization II 220451
*Art Appreciation ARTS 120, Music Appreciation MUSC 101 or Theater	*Fine Arts Survey: DE - CART 1023 Introduction to Visual Arts 030592,	*College Algebra MATH 110	*Algebra III: DE - CMAT 1213 College Algebra 160500



Appreciation THEA 190	Fine Arts Survey: DE - CMUS 1013 Music Appreciation 030590 or Theatre: DE - CTHE 1013 Introduction to Theatre 030717		
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Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*British Literature II ENGL 202	*English IV: DE - CENL 2103 British Literature I 120608	*American Literature II ENGL 204	*English III: DE - CENL 2163 American Literature II 120604
*Physical Science I PHSC 1015/Physical Science I Lab PHSC 110	*Physical Science: DE - CPHY 1023 Physical Science I 150915	*Physical Science II Pre-Chemistry CPHY 1033/Physical Science II Lab PHSC 130	*Physical Science: DE - CPHY 1023 Physical Science I 150915
*Introduction to Statistics MATH 210	*Probability and Statistics: DE- CMAT 1303 Introductory Stat 160356	**Teaching & Learning in Diverse Settings II TEAC 203	**DE Teaching & Learning in Diverse Settings II 891002
*Cultural Geography GEOG 202	*World Geography: DE - CGRG 2113 World Regional Geography 220312	*Geometry: Elementary and Middle School Teaching MATH 168	**DE Geometry: Elementary and Middle School Teaching 891001
**Teaching & Learning in Diverse Settings I TEAC 201	**DE Multicultural Learning Communities 100677	*American Government POLI 110	*US Government: DE - CPOL 2013 Intro to American Government 220514



TOPS University Louisiana Transfer Degree Associate of Science: Concentration in Biological Science

Postsecondary Partner: [Louisiana Delta Community College](#)

Overview

Graduates of the Louisiana Delta Community College Associate of Science program will be able to identify the historical and modern impacts of Fine Arts, demonstrate the ability to read at the college level, identify the development of western civilizations and the cultural impact of the American political system, demonstrate the ability to interpret numerical data or utilize mathematical statistics, demonstrate the use of abstract reasoning and critical thinking in scientific applications and communicate effectively in written English. The mission of the transfer associate degree is to provide students with an opportunity to complete the first 60 hours of work toward a baccalaureate degree at a two-year or community college.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Not applicable			-Associate of Science Louisiana Transfer Degree: Concentration in Biological Sciences

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Civics 220501/220504
*Algebra I 160321	**Quest for Success 080411
*Physical Science 150802 or Environmental Science 150310	*Foreign Language I
*Physical Education I 190105	Elective of choice TBD by course selected



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*Foreign Language II
*Geometry 160323	*Biology 150301
*½ Physical Education II 190106 ½ Health Education 190500	*World Geography 220300
Elective of choice TBD by course selected	Elective of choice TBD by course selected

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
	*Algebra II 160322	*English Composition II ENGL 102	*English IV: DE - CENL 1023 English Composition II 120607
*English Composition I ENGL 101	*English III: DE - CENL 1013 English Composition I 120601	*Physical Science I PHSC 100	*Physical Science: DE - CPHY 1023 Physical Science I 150915
*Principles of Biology I/Lab BIOL 201/203	*Biology II: DE - CBIO 1033 General Biology I (Sci Majors) 150324	*Principles of Biology II/Lab BIOL 202/204	*Biology II: DE - CBIO 1043 General Biology II (Sci Majors) 150326
*History Of The United States 1492-1877 HIST 201	*US History: DE - CHIS 2013 American History I 220407	*History Of The US 1877-present HIST 202	*US History: DE - CHIS 2023 American History II 220408
*Art Appreciation ARTS 120, Music Appreciation MUSC 101 or Theater Appreciation THEA 190	*Fine Arts Survey: DE - CART 1023 Introduction to Visual Arts 030592, Fine Arts Survey: DE - CMUS 1013 Music Appreciation 030590	*College Algebra MATH 110	*Algebra III: DE - CMAT 1213 College Algebra 160500



	or Theatre: DE - CTHE 1013 Introduction to Theatre 030717		
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Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Literature I ENGL 201 or American Literature I ENGL 203	*English IV: DE - CENL 2103 British Literature I 120608 or English III: DE - CENL 2153 American Literature I 120603	*Chemistry I/Lab CHEM 110/111	*Chemistry II: DE - CCEM 1123 Chemistry I (Sci Majors) 150420
*Introduction To Statistics MATH 210 or Plane Trigonometry MATH 111	*Adv Mathematics - Functions and Statistics: DE - CMAT 1303 Introductory Statistics 160503 or Adv Math-Pre Calc: DE - CMAT 1223 Trigonometry 160501	Elective Natural Science, Humanities or Math	TBD by course selected
Elective Natural Science, Humanities or Math	TBD by course selected	Elective Natural Science, Humanities or Math	TBD by course selected
Physical Science II-Pre Chemistry PHSC 120	DE Physical Science II-Pre Chemistry 890108	Elective Natural Science, Humanities or Math	TBD by course selected
Introduction To Psychology PSYC 201 or Introduction To Sociology SOCL 201	Psychology: DE CPSY 2013 - Introduction to Psychology 225011 or Sociology 220601	Western Civilization 1650 AD HIST 101	Western Civ- DE: CHIS 1013 Western Civilization I 220446
Elective Social/Behavioral Science	TBD by course selected	Fundamentals of Speech SPCM 110 or Introduction to Public Speaking SPCM 120	DE Speech I 051101



TOPS University Louisiana Transfer Degree Associate of General Studies: Arts and Humanities

Postsecondary Partner: [Louisiana Delta Community College](#)

Overview

The Associate of General Studies is designed to allow students greater flexibility to develop a degree program tailored to their individual needs, whether the student intends to earn a degree and begin work or continue at a four-year institution to pursue a bachelor’s degree. Upon completion of the General Studies Degree Program, graduates will be able to demonstrate competency in written and verbal communication skills and critical thinking, demonstrate the ability to think and reason logically using language of social and behavioral sciences, demonstrate the ability to utilize formulas, equations, and quantitative problem solving strategies, demonstrate an appreciation for the fine arts through music, theater or art appreciation, and identify the nature and processes of science, in particular, the scientific method.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Not applicable	-Certificate of General Studies		-Associate of General Studies: Arts and Humanities

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Environmental Science 150310
*Algebra I 160321	**Quest for Success 080411
*Civics 220501/220504	*Foreign Language I
*Physical Education I 190105	Elective of choice TBD by course selected



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*Biology 150301
*Geometry 160323	*World Geography 220300
*Foreign Language II	*Algebra II 160322
*½ Physical Education II 190106 ½ Health Education 190500	*Elective of choice TBD by course selected

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Composition I ENGL 101	*English III: DE - CENL 1013 English Composition I 120601	*English Composition II ENL 102	*English IV: DE - CENL 1023 English Composition II 120607
*College Algebra Math 110	*Algebra III: DE - CMAT 1213 College Algebra 160500	**Introduction to Computers CINS 101	**DE Introduction to Computers 890346
*Art Appreciation ARTS 120, Music Appreciation MUSC 101 or Theater Appreciation THEA 190	*Fine Arts Survey: DE - CART 1023 Introduction to Visual Arts 030592, Fine Arts Survey: DE - CMUS 1013 Music Appreciation 030590 or Theatre: DE - CTHE 1013 Introduction to Theatre 030717	*General Chemistry CHEM 101	*Chemistry I: DE - CCEM 1103 Chemistry I 150414
*Physical Science PHSC 100	*Physical Science: DE - CPHY 1023 Physical Science I 150915	Introduction to Psychology Introduction to Psychology PSCY 201 or	Psychology: DE CPSY 2013 - Introduction to Psychology 225011
*Western Civilization	*Western Civ: DE - CHIS	*History Of The US	*U.S. History: DE - CHIS



HIST 101	1013 Western Civilization I 220446	1877-present HIST 202	2023 American History II 220408
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Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Literature I ENGL 201 or American Literature I ENGL 203	*English IV: DE - CENL 2103 British Literature I 120608 or English III: DE - CENL 2153 American Literature I 120603	**Fundamentals of Speech SPCM 110 or Introduction to Public Speaking SPCM 120	**DE Speech I 051101
*General Biology BIOL 101 (Minor concentration General Ed course discipline)	*Biology II: DE - CBIO 1013 General Biology I 150323	Elective Major Concentration Arts & Humanities	TBD by course selected
Introduction to Sociology CSOC 2013	DE Sociology 220601	Elective Major Concentration Arts & Humanities	TBD by course selected
*Introduction To Statistics MATH 210 or Plane Trigonometry MATH 111 (Minor concentration General Ed Course Discipline)	*Probability and Statistics: DE- CMAT 1303 Introductory Stat 160356 or Adv Math-Pre Calc: DE- CMAT 1223 Trigonometry 160501	Elective Major Concentration Arts & Humanities	TBD by course selected
Elective Major Concentration Arts & Humanities	TBD by course selected	Elective Major Concentration Arts & Humanities	TBD by course selected