

## Elective Choices

### **\*ADVANCED JAVA SCRIPT, PROGRAMMING,**

**WEB(LVL 2):** This course consists of project based applications of JavaScript Programming. Industry Based Certification: Advanced JavaScript, Functional Programming and Web Development **PREREQUISITE: Fundamentals of HTML, CSS, and JavaScript Course AND Industry Based Credential Grade 10-12 . Credit: 1**

**\*AFRICAN AMERICAN STUDIES:** The course begins with an introduction to the history and culture of West Africa before 1600 and continues from the Slave Era (1500-1865) to the Reconstruction and Jim Crow Era (1865-1945) and ends with the Civil Rights Movement (1945-present) and exploration of current issues. Can also be used as one of the required social studies credits on the Tops University Diploma track. **PREREQUISITE: Civics Grade Level: 10-12 Fee: None Credit: 1**

**AFJORTC (ROTC) REQUIREMENTS:** *Students WILL wear the Air Force JROTC uniform one day a week and the issued PT uniform on Fridays. Students MUST comply with all Air Force JROTC Hair and Uniform standards in order to remain in the program.*

**AFJROTC I:** Aerospace Science & Leadership Education Science **PREREQUISITE: None** Grade level: 9-12 Credit: 1 Fee: \$20.00 (Covers equipment, uniforms, and travel)

**\*AFJROTC II-IV** Aerospace Science & Leadership Education Science **PREREQUISITE: ROTC I** Grade level: 10-12 Credit: 1 Fee: \$20.00 (Covers equipment, uniforms, and travel)

**JROTC Aviation Course:** In the JROTC Aviation Course, students will learn what it takes to get an FAA drone license to fly a drone for non-recreational use here in the United States. After completing the course students will be authorized to take the Written FAA Part 107 Drone certification test. The below areas will be covered during this course: FAA Drone Laws, National Airspace System (NAS), Reading Sectional Charts, Airport Operations, Weather & Micrometeorology, Flying a Drone at Night, sUAS Loading and Performance, Emergency Procedures, Crew Resource Management, Radio Communications, Effects of Drugs & Alcohol, Aeronautical Decision-Making. Drones are used in so many industries with varying degrees of client outputs needed. What you can expect to make depends on whether or not you're taking basic photos, helping to analyze more complex aerial data sets, doing technical inspection work with a thermal camera, being able to work on a film set, etc. **PREREQUISITE: 1 year of JROTC** Grade level: 11-12 Credit: 1

**ART I--INTRODUCTION TO STUDIO ART:** The student is introduced to or reviews the elements and/or principles of design composition and exploratory approaches as applied to drawing, painting, printmaking, sculpture, pottery and crafts with some demonstration of skill. **PREREQUISITE: None** Grade Level: 9-12 Fee: \$25 Credit: 1

**\*ART II--PAINTING AND DRAWING:** The student's skills and knowledge of the elements and principles of design and composition are developed through experiences with familiar media. The student is introduced to new media, techniques and terminology. This class is a focus on the human form and self. **PREREQUISITE: Art I** Grade Level: 9-12 Fee: \$40 Credit: 1

**\*ART STUDIO AP:** The Advanced Placement Studio Art course is a college-level visual arts course. **PREREQUISITE: Prior demonstration of ability and/or interest** Grade Level: 11-12 Fee: \$40

**\*BAND PREREQUISITE: Audition and/or director approval** (Auxiliary, Cadet, Concert, Percussion, and Symphonic)

**\*BASIC WOOD TECHNOLOGY:** This is a fundamental course in wood technology emphasizing shop safety, hand and machine woodworking tools, and project planning. **PREREQUISITE: General Technology AND NCCER CORE Certification** Grade Level: 10-12 Credit: 1 Fee: \$10 + wood (cost of any project that exceeds \$25)

**\*CARPENTRY I (NCCER):** This course is designed to prepare individuals to construct wood structures for residential and non-residential use. **PREREQUISITE: General Technology & Basic Wood (NCCER CORE AND NCCER Carpentry Helper Certifications)**

**\*CHOIR: PREREQUISITE: Audition (list all the types)**

**COMPUTER SCIENCE I:** Computer Science I exposes students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. The course is broken into 4 major units. It starts with very basic block coding in unit 1 and slowly transitions to text based coding using python throughout the course. The students will learn to code games, surveys, databases, and much more in both block code format and in python. If you complete Computer Science II, it counts as your foreign language requirement. **PREREQUISITE: None** Grade level: 9-12

**\*COSMETOLOGY:** Delgado Community College is licensed by the Louisiana State Board of Cosmetology to

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provide students with both theory and practical skills in all phases of hairstyling, manicures, pedicures, makeup application and salon management. **Dual Enrollment:** *Delgado: Intro to Cosmetology. 11th and 12th grade only*

**CRIMINAL JUSTICE I:** This course takes place at the St. Charles Parish Sheriff's Office Training Facility, and it is taught by various law enforcement professionals from the St. Charles Parish Sheriff's Office. This course is designed to equip students with a foundation in citizenship and law enforcement knowledge, as well as provide them with an opportunity of a great entry-level career in law enforcement upon graduation. This course provides an overview of the criminal justice system, including the functions and responsibilities of law enforcement, the judiciary, and corrections. Students will complete units of study by participating in demonstrations, site visits, learning from experts in the field, and completing hands-on activities. Methods of instruction will incorporate three learning styles. These styles include auditory (lectures), visual (videos and demonstrations), and kinesthetic learning (exercises, hands-on activities, virtual reality), which will provide deeper levels of comprehension and understanding. Students will learn the duties and responsibilities of the 3 Cs – Cops, Courts, and Corrections. Included in this course are the historical developments of the justice system and the study of landmark Supreme Court decisions and how they affect criminal justice. Students will gain an understanding of the criminal justice process and how investigative procedures and forensic science are used to solve crimes. **PREREQUISITE: None**  
**Grades: 11-12 Credit: 1 Fee: None**

**CYBERSOCIETY (NICERC PARTNERSHIP):** Cybersociety introduces the tools and concepts of cybersociety and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersociety, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. Whether seeking a career in the growing field of cybersociety or learning to defend their own personal data or a company's data, students in Cybersociety establish an ethical code of conduct while learning to defend data in today's complex cyberworld. **PREREQUISITE: None Grade level: 9-12 Credit: 1 FEE: None**

**DIGITAL GRAPHICS AND ANIMATION:** In the Digital Graphics course, students will use graphics, images, and/or

video to create content-oriented productions. Industry Based Credential: Adobe Photoshop (State Basic)

**\*DRAFTING-TECHNICAL BASIC:** This course is designed as a basic drawing course involving sketching, lettering, the use of the drafting instruments, measuring, accurate drawing, and computer aided drafting. Industry Based Credential: AutoCad Inventor (Advanced) **PREREQUISITE: Pass Math section of Leap.**

**\*ELECTRICITY I (NCCER):** Students in this class will learn basic electronic safety, theory, and practice. Industry Based Certification: NCCER Electrical Level I **PREREQUISITE: Algebra I, General Technology, and NCCER CORE Certification (2 credits-full year course)**

**\*ENTREPRENEURSHIP I:** You will learn what skills are needed in order to become an entrepreneur, determine who your customers are, learn how to market your business, and obtain financial assistance. You will also focus on products or services to sell, how to manage employees, and how to put together a business plan. Industry Based Credential: Micro-Enterprise Regional **PREREQUISITE Age 16 or Grades 11-12**

**FAMILY AND CONSUMER SCIENCE I:** This is a comprehensive course designed for 9th and 10th grade students. This course builds a foundation in the areas of personal and family relationships, foods and nutrition, clothing selection, simple construction, housing, and child development. Lab experiences are required. Students will be required to purchase a fabric/supply kit for \$15 - \$20 for the Science Unit and a five pound bag of sugar for the Child Development Unit. **PREREQUISITE: None Grade level: 9-12 Credit: 1 Fee: \$30.00 (Covers materials for projects, material, food, etc.)**

**FINE ARTS SURVEY:** This course is designed as an introduction to the four arts: dance, drama, music and visual arts; their relationships; and how they each touch our daily lives. Can count the art graduation requirement. **PREREQUISITE: None Grade level: 9-12 Credit: 1 Fee: \$10.00**

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

**Deleted: \*ENTREPRENEURSHIP II:** Continuation of Entrepreneurship I heavily focused on Marketing skills. **PREREQUISITE Age 16 or Grades 11-12, Entrepreneurship I and Micro-Enterprise IBC**

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**PREREQUISITE:** None **Grade level:** 9-12 **Credit:** 1  
**Fee:** none

### **\*FUNDAMENTALS OF HTML, CSS, AND JAVA**

**SCRIPT (LEVEL 1):** This course provides an introduction to computer programming using JavaScript and is designed for high school students with little to no prior experience in coding. This does count as a foreign language.

**PREREQUISITE:** None **Credit:** 1

### **GENERAL TECHNOLOGY EDUCATION:**

This course is designed as an introductory course into the world of construction technology and industry workplace safety. The following topics are covered in this course using the NCCER Core Curriculum Certification standards: Basic Safety, Introduction of Construction Math, Intro to Hand Tools, Intro to Power Tools, Intro to Construction Drawings, Basic Communication Skills, Basic Employability Skills, and Intro to Materials Handling. This is a prerequisite for other CTE courses. It is recommended for all students who may want to prepare for working in any phase of industry, including positions in engineering, architecture, management, education, skilled or semi-skilled occupations, office work, sales and promotions, service and repair, and many other fields. The course is open to all grade levels. **PREREQUISITE:** None

### **\*GEOGRAPHIC INFORMATION SYSTEMS (GIS)**

**ENTRY LEVEL 1 (Statewide Basic IBC Opportunity):** Geographic Information Systems (GIS) is technology capable of gathering, managing, and analyzing location-based data which can be used for creating maps, operations, and decision-making. **PREREQUISITE:** Algebra I, English I **Grade Level:** 10-12

### **\*GOVERNMENT-SCHOOL IMPROVEMENT (Student**

**Council Only):** Student Leadership students work with the principal and the HAT team on projects and activities that will improve Hahnville as a school. **PREREQUISITE:** Member of Student Council

**GUITAR:** This course is designed for students with no previous guitar experience. Students will receive guidance and direction in solving problems related to playing guitar at a beginning level and will learn different styles, skills and techniques required to become a successful guitarist.

**\*INDEPENDENT STUDY IN TECHNOLOGY:** Students work with HHS IT department to maintain and repair technology on campus. **PREREQUISITE:** preapproval from HHS IT Technicians

**INTRO TO BCA:** Intro to BCA is an in depth study of application programs that provide students with tools to assist in cross-curricular problem solving projects using MS Office

applications. Industry Based Credentials: MOS Word, PowerPoint, and Excel **PREREQUISITE:** None  
**Grade level:** 9-12

**\*INTRO TO ENGINEERING DESIGN PLTW:** Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software.

**PREREQUISITE:** Algebra I

**LAW STUDIES:** Law Studies is designed to assist students in understanding basic legal rights and responsibilities as they apply to individuals and communities. This course includes crime prevention, conflict management, substance abuse, and study of criminal/juvenile justice systems. **PREREQUISITE:** None **Grade level:** 9-12 **Credit:** 1 **Fee:** \$1.00 (Covers materials)

**NUTRITION AND FOOD:** This course provides students with basic nutrition and wellness knowledge and basic food preparation skills. Emphasis is placed on food preparation, kitchen and meal management, and the relationship of diet to health. Industry Based Certification: ServSafe.

**PREREQUISITE:** NONE **Grade level:** 10-12  
**Credit:** 1 **Fee:** \$20.00 (Covers supplies for projects, food, etc.)

**\*OFFICE AIDE (ADMIN AIDE):** Must be approved by administration and students cannot not have any records of discipline. **MUST be a Senior and can only do 1 per year. No credit is awarded for this course. There is an application process for this position. Please see your counselor for more information.**

**PRINCIPLES OF BIOMEDICAL SCIENCE:** In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. **PREREQUISITE:** None **Grade level:** 9-12  
**Credit:** 1 **Fee:** (None)

**\*PRINCIPLES OF BUSINESS:** This course will introduce you to the world of business and help prepare you for the economic roles of consumer, worker, and citizen. Industry Based Certification in Customer Service and Business of Retail (State Level) **PREREQUISITE:** Age 16 or older

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**Grade level: 9-12 Credit: 1 Fee: \$2.00 (Covers materials for projects)**

**\*PRINCIPLES OF ENGINEERING PLTW:** Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students explore a broad range of engineering topics including mechanisms, strength of structure and materials, and automation, and then they apply what they know to take on challenges like designing a self-powered car.

**PREREQUISITE: Introduction to Engineering**

**PSYCHOLOGY:** This course is designed to include the principles and theories concerning behavior, personality, intellectual ability and the application of these concepts through experimentation, activities and demonstrations.

**\*PUBLICATIONS I (Yearbook):** Publications I is a general exploration of processes and systems which result in both individual and group publishing of fliers, pamphlets, brochures, and various pre-press operations common to the small printing business. **PREREQUISITE: English II with "C" or better, teacher recommendations; interview with advisor. Grade level: 11-12**

**QUEST FOR SUCCESS:** This course focuses on many key components: high school orientation, character education, personal interests and talents, exploration of the various career fields, post high school options, and online learning.

**SPEECH I:** Speech I is designed to introduce the student to verbal communication. The course includes a study of the voice and body as tools of communication, an introduction to public speaking, oral interpretation, theatre, discussion, debate and media. **PREREQUISITE: None Grade level: 9-12**

**Credit: 1 Fee: \$2:00 (Covers project materials)**

**SPORTS MEDICINE I:** This course will provide an overview of the field of Sports Medicine as well as expose students to fundamental skills involved in Sports Medicine Healthcare setting. Students will learn about the study of medicine and how the field of Sports Medicine is unique in its focus and delivery of healthcare. **PREREQUISITE: Biology I or concurrent enrollment in Biology I Grade level: 10-12**

**Credit: .5/.5 Fee: \$25.00 (Covers materials and supplies, tape, bandages)**

**SPORTS MEDICINE II:** This course will provide an overview of the pathology of sports injuries and basic management skills. Students will learn about the body's response to an injury and how to apply emergency action principles and skills. An emphasis is placed on an athlete's

psychological and sociological response to an injury and coping strategies utilized by healthcare professions to assist them to recovery. Students will also learn the symptomatic process healthcare professionals use when evaluating an injury and planning a rehabilitation plan. **PREREQUISITE: Biology I or concurrent enrollment in Biology I Grade level: 10-12 Credit: .5/.5 Fee: \$25.00 (Covers materials and supplies, tape, bandages)**

**\*SPORTS MEDICINE III:** This course is offered for student athletic trainers only. **PREREQUISITE: Sports Med I/II-Instructor Approval Required**

**\*TALENTED THEATRE I-IV:** The Talented Theatre program offers students who possess unique talent in the performing arts the opportunity to further develop their skills in an accelerated environment. Students are screened and identified for the program. This involves an audition before state evaluators in which the student must demonstrate creative thought processes, improvisational ability, and physical and emotional characterization. Once identified for Talented Theatre services, students develop their craft through rehearsals and performances, learn the historical and cultural significance of works of theatre, analyze the impact of theatre on thoughts and emotions, and develop a deeper appreciation for theatre arts. Talented Theatre students are afforded the opportunity to work with their peers at a high level and to create and collaborate on authentic theatrical experiences. This is a special education program; therefore, students must go through state screening. Students must meet IEP goals to remain. **PREREQUISITE: Talented Screening Grade: 9-12 Credit: 1 Fee: \$25.00 (Covers materials for projects)**

**TELEVISION PRODUCTIONS I:** This class is designed to acquaint students with knowledge of all aspects of the field of television production. Industry Based Certification: Adobe Premiere Pro (State Basic) **Dual Enrollment Option: Must be in 11th or 12th grade and meet admissions requirements to earn DE credit**

**\*WELDING I (NCCER):** This course is a three-hour class designed to provide students with entry level skills and safety training in welding. Students are required to have steel toe boots and wear appropriate clothing and safety equipment. **PREREQUISITE: General Technology AND NCCER CORE Certification**

**\*WELDING II (NCCER):** This course is a continuation of Welding I in which students will be exposed to ARC and MIG welding, oxy-acetylene and plasma-arc cutting, a variety of welding positions. Students are required to have steel toe boots and wear appropriate clothing and safety equipment. Industry Based Certification: **PREREQUISITE: Welding I**

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(WELDING Helper Certification) & (NCCER CORE CERTIFICATION)

### Satellite Center & Community Course

#### Options: Grades 9th -12th

##### ADVANCED TELEVISION BROADCASTING I (2

**credits):** This is a project-based course designed to prepare students for more advanced television production utilizing studio and field production techniques. Students working individually as well as in teams will gain experience in all phases of studio and field production including multi camera production, video editing, graphics, lighting and audio. Students will work toward becoming Adobe Premiere Pro Certified. Students will develop the ability to produce professional projects for real world clients. The course is intended to allow students to think creatively while meeting client expectations. Students must complete 25 hours of teacher-approved work in addition to the instruction time. In addition, students are provided the opportunity to earn Dual Enrollment at Southeastern University (COMM 257 - 3 college credits). This course is a Satellite Center course and is taught at the Lafon Performing Arts Center.

**PREREQUISITE: TV Production I or Satellite Center instructor recommendation. GRADE LEVEL: 11-12**

##### ADVANCED TELEVISION BROADCASTING II (2

**credits):** Advanced Television Broadcasting II is a continuation of Advanced TV Broadcasting I which expands student's technical skills. Students working individually, as well as in teams, will gain experience related to short film production, documentaries, news/sports journalism, music videos and PSA/Commercials. Students will have the opportunity to become Adobe After Effects, a state approved industry based certification. Students must complete 25 hours of teacher approved work in addition to their instructional time. This course is a Satellite Center course and taught at the Lafon Performing Arts Center. Through the course students have the opportunity to earn an Industry Based Certification of Adobe After Effects **PREREQUISITE: Advanced TV Broadcasting I GRADE LEVEL: 11-12**

##### \*AIR CONDITIONING AND REFRIGERATION I (2

**credits):** This is the first semester of courses for the *Air Conditioning & Refrigeration* Certification of Technical Students in Domestic Refrigeration form River Parish Community College. These courses provide the electrical knowledge necessary to work with AC and refrigeration systems. Students will earn an industry based credential in Electrical Employment Ready. **COREQUISITE: NCCER Core Grade Level: 11-12. This course is offered at the Satellite Center.**

##### \*AIR CONDITIONING AND REFRIGERATION II (2

**credits):** Continuation of A/C I and is designed to provide information needed to prepare individuals to enter the Air Conditioning and Refrigeration Industry. It includes basic safety and health, inventory control, stock management, vehicle maintenance, licensure, certification requirements, and basic business management practices. Students work with components of air conditioning and refrigeration Students earn EPA 608 Certification and HVAC Employment Ready Certification. **PREREQUISITE: NCCER Core Grade Level: 11-12 and A/C I. This course is offered at the Satellite Center.**

**CULINARY ARTS/PROSTART I (2 credits):** This course is the first of two courses focused on preparing students for careers in the foodservice/hospitality industry. Emphasis is on obtaining skills for industry-based certification and preparation for internships in the industry. Topics of study include skills necessary for careers in the hospitality industry, organization and management professionalism, use of commercial equipment, proper sanitation and safety standards for industry, and business/kitchen math. The ProStart I class provides laboratory experiences in the school, outside learning experiences through field trips, work-site tours, catering experiences, and guest speakers from the food-service industry. School based enterprises, internships, projects, and leadership activities provide opportunities for application of instructional competencies. Students must complete 25 hours of teacher approved work in addition to instructional time. This course is offered at the Satellite Center and provides the opportunity for students to earn an Industry Based Certification of ServSafe. **PREREQUISITE: Nutrition and Food GRADE LEVEL: 11-12**

**CULINARY ARTS/PROSTART II (2 credits):** This course is the continuation of Culinary Arts/Prostart I. Students must complete 25 hours of teacher approved work in addition to instructional time. This course is offered at the Satellite Center and provides the opportunity for students to earn an Industry Based Certification of ServSafe. **PREREQUISITE: ProStart I GRADE LEVEL: 11-12**

**CYBERSECURITY (PLTW):** This course introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computation resources are vulnerable and frequently attacked; in cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. **PREREQUISITE: Computer Science I (Essentials) or Operation Spark Level 1 or AP Computer Science**

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**Grade level: 10-12 Credit: 2 (Double-blocked class) Fee: None**

**DANCE I:** This class begins with an overview of human anatomy as it relates to dance movement, along with various injury-prevention techniques and standard dance terms. Students will study the basic elements of space, time, and energy as it relates to dance, dance structures, and choreographic devices and how they serve as both foundation and a departure point for choreographers. Students will learn to interpret and analyze dance movement by considering intent, meaning, and artistic expression as communicated through the use of the body, elements of dance, dance technique, dance structure, and context. Finally, students will practice dance literacy which includes deep knowledge and perspectives about societal, cultural, historical, and community contexts. **This course may be used as a fine arts or physical education credit. Grade Level: 9 - 12**

**\*DANCE II:** In Dance II, team members will choose one of two learning paths based on their fields of interest in the dance world. Team members will further explore history, taking time to delve into more detailed time periods, events, and artists. Team members will also further develop their techniques and strengthen their movement vocabulary and execution. Dance II will have more focus on facilitated class discussions of the philosophy of dance and performance focused. Dancers will gain experience and insight into how to perform efficiently and professionally in a dance rehearsal and dance performance. **This course may be used as a fine arts or physical education credit. PREREQUISITE: Dance I Grade Level 9 - 12**

**DIGITAL MEDIA I (2 credits):** Digital Media I is a project based course that allows students to creatively express themselves through digital graphics, print media, computer animation, and other newly emerging forms of digital media. Using industry standard tools and techniques, students will create innovative digital media projects for clients both inside and out of the School District. Students will also be given the ability to facilitate meetings, serve as team leaders, manage project timelines and produce professional products. In addition, students will also be expected to give presentations, as well as participate in class critiques and team meetings. Through this course students have the opportunity to earn an Industry Based Certification of Adobe Illustrator.

**PREREQUISITE: (one of the following) Art II, Talented Art, AP Studio Art, Digital Graphics and Animation or Satellite Center Instructor recommendation. GRADE LEVEL: 11-12**

**DIGITAL MEDIA II (2 credits):** Digital Media II is a continuation of Digital Media I, expanding upon students' visual design abilities and technical skills. Students will create

electronic and print portfolios, explore various animation techniques, styles, and production methods, and continue to work on advanced design campaigns. There is a strong focus on students providing project and team management services to other students, fostering a real world business atmosphere in the classroom. Students must complete 25 hours of teacher approved work in addition to the instructional time. This course is a Satellite Center course and taught at the Performing Arts Center. **PREREQUISITE: Digital Media I GRADE LEVEL: 11-12**

**EDUCATORS RISING I (2 credits):** is designed for students interested in exploring the field of education. Instruction is provided through hands-on service learning projects using the Educators Rising curriculum. Students will learn the foundations of education, observe teaching (Kindergarten - 12th grade and Special Education), and practice teaching skills. Successful completion of the course gives students dual-enrolled college credit. The Educators Rising course is combined with STAR I. Dual Enrollment – SELU **Grade level: 10-12 Fee: (None) PATHWAY: Pre-Education**

**EDUCATORS RISING II - TEACHING INTERNSHIP:** provides students the opportunity to practice skills developed in the Educators Rising course through direct hands-on experiences in a classroom. Students work with a mentor teacher throughout the semester observing the class, working with small student groups, and teaching a full lesson to the class. Along with the internship, students will complete performance-based assessments to showcase their skills. Students receive an Internship credit in addition to the Ed Rising II credit. **PREREQUISITE: Educators Rising Grade level: 11-12**

**EMERGENCY MEDICAL RESPONDER: (2 credits)** This course offers the opportunity for students to become Emergency Medical Responder (EMR) Certified through the Bureau of Emergency Medical Services. Students are taught how to respond to various medical and trauma emergencies. Students must be able to pass not only written tests but skills check off tests that prove that the student is competent and knowledgeable in treating a victim or patient. Students must complete 25 hours of teacher approved work in addition to the instructional time. This course is offered at the Satellite Center and provides the opportunity for students to earn an Industry Based Certification of Emergency Medical Responder (EMR). Students must earn American Heart Association BLS for Healthcare Providers certification, which will be taught at the start of the semester, to be eligible for EMR certification. **PREREQUISITE: GPA 1.85 Grade level: 11-12**

**ENGINEERING DESIGN I & II (2 credits each):** This course is a project based course designed to introduce students to the field of engineering and engineering design. This course

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will provide an overview of the fields of engineering with an emphasis on engineering principles and practices. Topics such as mechanical systems and electrical control systems are included. The engineering design principles and practices related to each of the systems will be emphasized through hands-on experiences in a wide range of engineering technologies using industrial quality equipment and software. Work-based learning strategies for this course may include job shadowing and/or field experiences. Oral and written skills are reinforced through presentations, group projects and technical writing. This course focuses on improving academic skills and teaches other important career skills such as problem-solving, work ethic, and critical thinking. This course is a Dual Enrollment course with the UNO - PHYS 1063 for one (1) college credit. This course is a senior level course. Juniors will be considered based upon course requirements.

**PREREQUISITE: (Overall GPA of 2.5- Math and Science Overall GPA of 2.75- should have taken or concurrently be enrolled in Advanced Math GRADE LEVEL: 12 NOTE: One additional credit in Physics H and one additional credit in Principles of Engineering will be earned along with this course credit.**

### **\*HRT (HOTEL, RESTAURANT AND TOURISM)**

**ADMINISTRATION I (2 credits):** The Hotel, Restaurant and Tourism Administration course is an introduction to a successful career in the hospitality industry. Emphasis is placed on the various skills and services found in event planning, food and beverage management, advertising, marketing, travel and tourism. The class focuses on developing 21st century skills such as effective communication skills, teamwork and leadership practices that can be applied in any business setting. Topics covered in this course range from the planning, organization and implementation of events, fundraisers, festivals and walking tours, customer service training and the economic impact of tourism. Real world projects provide opportunities for application of instructional competencies. Students must complete 25 hours of teacher approved work in addition to instructional time. This course is dual enrolled with HOST 101 with Delgado Community College and can be used to continue with their studies at the School of Hotel, Restaurant, and Tourism Administration at the University of New Orleans. It requires an overall 2.0 GPA. This course is offered at the Satellite Center. **PREREQUISITE: None Grade level: 11-12, 2.0 GPA or C+ in English courses.**

### **HRT (HOTEL, RESTAURANT AND TOURISM)**

**ADMINISTRATION II (2 credits):** The Hotel, Restaurant and Tourism Administration course is a continuation to HRT Admin I and develops skills for a successful career in the hospitality industry. This course is offered at the Satellite Center. This course is dual enrolled with HOST 103 at

Delgado Community College. to continue with their studies by matriculating in the School of Hotel, Restaurant, and Tourism Administration at the University of New Orleans.

**PREREQUISITE: HRT I Grade level: 11-12. Successful completion of HOST 101**

**HUMAN BODY SYSTEMS (PLTW) (2 credits):** Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases, and often play the role of biomedical professionals to solve medical mysteries. This course offers the opportunity for students to become American Heart Association CPR certified. **PREREQUISITE: Principles of Biomedical Science or Biology. Grade level 10-12**

**INSTRUMENTATION I NCCER (2 credits):** This course is designed to introduce students to becoming Instrumentation Technicians. They maintain the equipment that controls the automation in industry plants and factories. This course is designed to prepare students to perform key installation and maintenance functions across several industries in the field of instrumentation. Students will learn important processes and knowledge areas including hand tools, electrical safety, power tools, electrical systems, metallurgy and fasteners. The course content is organized into modules with written and performance assessments designed by NCCER. Students will complete 12 modules and earn the NCCER Instrumentation Credential. This is a Dual Enrollment course with River Parish Community College- INST 1110 for three (3) college credits and INST 1120 for three (3) college credits and is offered at the Satellite Center. **PREREQUISITE: NCCER Core GRADE LEVEL: 11-12**

**INTERACTIVE MEDIA I (2 credits):** This is a personalized, project-based course that allows students to explore their creative side while also following their own passions. After spending the first few weeks of the semester exploring multiple areas of the media arts world, each student will be allowed to create an individual plan for completion of student-led projects that are tailored to their interests. Students will also be given the ability to facilitate meetings, serve as team leaders, manage project timelines and produce professional products. In addition, each student will examine possible careers in the technology or digital arts field and create a personal portfolio to use as they pursue their goals. **PREREQUISITE: (one of the following) Art I or above,**

Please note that any course that has an \*asterisk before the name has a prerequisite. Please ask your counselor before you pick/schedule this course.

## Elective Choices

**Talented Art, Digital Graphics, Web Mastering I/II, Drafting, Digital Media, Technical Theatre, Advanced TV Broadcasting, or Satellite Center instructor recommendation. Grade level: 11-12**

### **INTRODUCTION TO AVIATION INDUSTRY**

**(STATEWIDE BASIC IBC OPPORTUNITY):** Students will learn about career opportunities in aviation and aerospace and the critical issues facing the industry. Students will also drill down into the various sectors of aviation and the elements that make up the aerospace ecosystem. Students will explore modern innovations and develop innovative ideas to address the aviation industry's real-world challenges. They will be exposed to various career options in aviation and aerospace and take an in-depth look at available opportunities.

**PREREQUISITE: None Grade level: 9-12 Credit: 2 (Double-blocked class) Fee: None**

### **INTRODUCTION TO LOGISTICS & SUPPLY CHAIN MANAGEMENT (STATEWIDE BASIC IBC OPPORTUNITY)**

This course introduces learners to supply chain and logistics activities involved in the flow of products and information among the suppliers, producers, and distributors to fulfill consumer's demand. Hands-on experiential learning activities are used to enhance learning of concepts and field trips and guest speakers are provided to demonstrated concepts in real world application. Students will have an opportunity to earn the Manufacturing Skills Standard Council's (MSSC) Certified Logistics Associate certification.

**PREREQUISITE: None Grade Level: 10-12 Credit: 2 (Double-blocked class) Fee: None**

### **INDUSTRIAL MAINTENANCE MECHANIC**

**(STATEWIDE BASIC IBC OPPORTUNITY):** Numerous industries rely on skilled industrial maintenance craftworkers to keep operations running smoothly. Using a wide variety of technical skills, maintenance craftworkers help manufacturers install, repair, and replace heavy equipment. A craftworker needs a wide range of skills to support advancements in technology. These skills include reading blueprints, understanding computerized control panels, and diagnosing mechanical problems. Students will have an opportunity to earn the statewide basic industry-based certification, NCCER Industrial Maintenance Mechanic Level 1. **PREREQUISITE: NCCER Core Grade level: 11-12 Credit: 2 (Double-blocked class) Fee: None**

**MEDICAL ASSISTANT I (2 credits):** This course is designed to provide classroom and clinical experiences in health care facilities for those interested in pursuing a career as a Medical Assistant. The course provides an introduction to medical terminology, Anatomy and Physiology, office based

skills, patient assessment, and phlebotomy, in addition to class based lab experiences. This course is offered through RPCC and is dual enrolled. **PREREQUISITES: Must pass a clear background check, 16 years of age, pass drug tests, up-to-date immunizations Grade level: 12 Credits: 2 Fee: Must have Teacher Approved Scrub Pants and White Jacket, as well as Closed Toe Shoes MUST BE TAKEN WITH MEDICAL ASSISTANT II**

**MEDICAL ASSISTANT II (2 credits):** this course is a continuation of Medical Assistant I. The course provides basic nursing skills which include safety and emergency procedures, restorative services, personal care, Heimlich Maneuver, resident's rights/independence, communication and interpersonal skills, basic nursing services, mental health and social service needs. Through this course students will be working with patients for a total of 40 hours and will be completed during the class time and upon passing the Certified Medical Assistant Exam (CCMA) they will be a Certified Medical Assistant. This course is offered through RPCC and is dual enrolled. **PREREQUISITES: Medical Assistant I Grade level: 12 Credits: 2**

**PATIENT CARE I (2 credits):** The Patient Care course is designed to introduce students to patient assessment and care. In this course, students are performing hands-on skills and learning note taking strategies. This course integrates anatomy and physiology, diseases and medical terminology of the body systems. Topics such as microbiology, infection control, patient safety, medication administration and body mechanics as related to overall patient health are included. Work based learning strategies appropriate for this course may include professional speakers from the industry and/or field experiences. This course offers the opportunity for students to become American Heart Association CPR certified. Students must complete 25 hours of teacher approved work in addition to instructional time. Patient Care is a DE course with the River Parishes Community College, Reserve Campus - MAST 1003 for four (4) college credits. This course is offered at the Satellite Center. **PREREQUISITE: None GRADE LEVEL: 11-12**

**PROCESS TECHNOLOGY (PTEC) I/II:** Process Technology I is an 'Introduction to Process Technology'. This course covers a basic overview of a plant operator's job including the responsibilities and duties, personal and environmental safety, workplace communications, ethics, and industrial equipment used in the process industries (refineries, chemical plants, power plants, etc.). Partnerships with local industries provide guest instructors, field experiences, and industry approved equipment and software. This course is a Dual Enrollment course with the South Central Louisiana Technical College, Reserve Campus - PTEC 1010 for three (3)

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## Elective Choices

college credits. This course is offered at the Satellite Center.

**PREREQUISITE: None GRADE LEVEL: 11-12**

**SCULPTURE AND CERAMICS (2 credits):** This course is an introductory course in Sculpture and Ceramics. Students will cover the basics and methods of hand-building: pinch, slab, and coil techniques. Students will be introduced to art making through additive, subtractive and modeling processes of sculptural construction using multiple mediums. Art history, aesthetics and art criticism will be incorporated throughout the course. Class will be held at the Lafon Performing Arts Center. **PREREQUISITE: None GRADE LEVEL: 10-12**

**STUDIO PIANO:** Students will learn to read and play music on the piano, gaining technical proficiency through the study and practice of scales, chords, and music literacy fundamentals. Class will be held at the Lafon Performing Arts Center. **PREREQUISITE: None/Must be approved by Satellite Center Principal to take a 2nd time. Grade Level 9-12**

**TECHNICAL THEATRE (2 credits):** Explore the “behind the scenes” elements of production in the following disciplines: art/design, backstage crew, lighting/electrics, and sound, among other subcategories. Learn and apply knowledge and skills to design your own work for a portfolio; act as crew moving sets, props, etc. during shows; operate a spotlight, lighting console, and audio console; set up a PA system and cabling for audio set-ups; and participate in best safety practices, including handling electrics and using proper body mechanics. Academic study and hands-on application provide a practical approach to production. Student workers can earn compensation after 25 hours of teacher approved work in addition to instructional time. This is a Satellite Center course, instructed at the Lafon Performing Arts Center. A student can repeat the course. **GRADE LEVEL: 9 - 12**

**THEATRE DESIGN AND TECHNOLOGY (2 credits):** Learn and apply knowledge and skills to design your own work for a portfolio; act as crew moving sets, props, etc. during shows; build and paint scenery; operate a rigging console to fly performers on stage; create props for performers’ use; alter and sew costumes; practice makeup application and techniques for special effects; and run a production smoothly by maintaining records and acting as a mediator through stage management, similar to directing. Academic study and hands-on application provide a practical approach to production. Student workers can earn compensation after 25 hours of teacher approved work in addition to instructional time. This is a Satellite Center course, instructed at the Lafon Performing Arts Center. **PREREQUISITE: None GRADE LEVEL 9-12**

Please note that any course that has an \*asterisk before the name has a prerequisite. Please ask your counselor before you pick/schedule this course.