

## 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 video production utilizing studio and field production techniques. Students work individually, as well as in teams, to 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 certified in Adobe Premiere Pro, a state-approved industry-based certification. The course is designed around real-world situations. 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 12 hours of teacher-approved work in addition to the instructional time. Students taking this course are expected to work athletic, arts, and community events after school, which does go toward reaching the 12-hour requirement.** There is a heavy influence of sports journalism when taking this course in the fall semester. There is a heavy influence of creativity when taking this course in the spring semester. This course is a Satellite Center course held 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 Certified, a state approved industry-based certification. Students must complete 12 hours of teacher-approved work in addition to their instructional time. This course is a Satellite Center course and held 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 introductory course provides information needed to prepare individuals to enter the Air Conditioning and Refrigeration Industry. Includes basic safety and health, inventory control, stock management, vehicle maintenance, licensure, certification requirements, and basic business management practices. This course is dual-enrolled with River Parish Community College. Students will earn an industry-based credential in EPA Section 608 Certification.. **COREQUISITE: NCCER Core Grade Level: 11-12. 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 food service/hospitality industry. Emphasis is on obtaining skills for industry-based certification and preparation for internships in the industry. ProStart 1 is an introduction to *restaurant management and culinary arts*. The topics covered in this course are workplace safety, food safety, food service equipment, basic mise en place techniques, culinary math, an introduction to food preparation including salads, dressings and dips, sandwiches, stocks, soups, sauces, cooking methods, an introduction to baking, and customer service and management. 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 the application of instructional competencies. This course is offered at the Satellite Center and provides the opportunity for students to earn ServSafe and ProStart industry-based certifications **PREREQUISITE: Nutrition and Food GRADE LEVEL: 11-12**

**CULINARY ARTS/PROSTART II (2 credits):** This course is the continuation of Culinary Arts/Prostart I. The topics covered in this course are: Marketing, menus and menu management, managing costs, eggs and breakfast cookery, fruits and vegetables, potatoes, grains, and pasta, meat, poultry, and seafood, and baking and desserts. There is also the possibility to compete on the ProStart culinary and/or management competition team(s) that compete at the state, and possibly, the national level. Students must complete 12 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 (2 Credits)

Cybersecurity 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 Grade level: 10-12**

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**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. Dance I consists of five units: The Origins of Dance, Ballet, Modern Dance, Performance Workshop, and Dancing Through Time. Team members will also participate in workshops and performances with local dance artists. There is also a final performance for friends and family at the end of the Dance I semester. **This course may be used as a fine arts or physical education credit. Grade Level: 9 - 12**

**\*DANCE II:** Dance II expands upon the knowledge learned in Dance I. Dancers learn the techniques of Contemporary Ballet, PostModern Dance, Tap, and Jazz. Dance II includes three units: Ballet vs. Contemporary Ballet, Modern vs. Postmodern Dance, and Dance for the Stage vs. Dance for Film (where dancers make their own dance films). Throughout the semester, dancers will create solo pieces in the dance style of their choice, culminating in a performance for family and friends. Dancers will have the opportunity to participate in workshops and performances with local dance artists. Dance II team members will also have the possibility of being eligible for induction into the National Honors Society for Dance Arts. **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 outside 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) Talented Art, AP Studio Art, Digital Graphics or Satellite Center Instructor recommendation. GRADE LEVEL: 11-12**

**DIGITAL MEDIA II (2 credits):** Digital Media II builds on the foundations covered in Digital Media I by diving deeper into the production side of graphic design. Students will create electronic and print products for clients, build out their 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. 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(Spring)-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**

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**ENGINEERING DESIGN I & II (2 credits each):** These courses are project-based courses designed to introduce students to the field of engineering and engineering design. These courses 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. These courses are Dual Enrollment courses with the UNO - PHYS 1063, PHYS 1065, and ENGR 1000, for a total of three (3) college credits. This course is a senior-level course. Juniors will be considered based on 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/II (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. This course is dual enrolled with HOST 101 and 103 with Delgado Community College and can be transferred 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: 2.0 GPA or C+ in English courses.  
Grade level: 11-12**

**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**

### **GEOGRAPHIC INFORMATION SYSTEMS (GIS) Entry Level 1**

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. GIS organizes layers of spatial data and information by visually displaying data. With this unique geospatial capability, GIS reveals deeper insights into data, revealing patterns and relationships which may otherwise go unnoticed – preparing GIS users with skills allowing them to live, compete and successfully function in a global society by make smarter decisions for stakeholders. Students will have an opportunity to earn the statewide basic industry-based certification, Geographic Information System (GIS) ESRI User Certification.

**PREREQUISITE: None Grade level: 11-12**

**\*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 is offered at the Satellite Center. **PREREQUISITE: NCCER Core GRADE LEVEL: 11-12**

**INTERACTIVE MEDIA I (2 credits):** This personalized, project-based course allows students to explore their creative side while following their 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 the 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

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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, 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**

### INTERACTIVE MEDIA II (2 credits)

This internship course is an opportunity for a student to spend time with one or more employees at a business, non-profit organization, or government agency. The goal of the Internship program is to increase the student's knowledge of workplace skills and receive on-the-job experience. By being at the work site, students will also gain an understanding of the internship site's work, mission, and audience, and the organization's position in the broader industry or field. The internship experience is selected based on the student's chosen career cluster/pathway. In addition, this course enables the instructor to communicate to students what skills and knowledge are necessary to enter certain careers.

**PREREQUISITE: Internship Application and Interview, Interactive Media I, Digital Media, Advanced Television Broadcasting, or Operation Spark. Grade Level 12**

### INTRODUCTION TO AVIATION INDUSTRY

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: 1 Fee: None**

### INTRODUCTION TO LOGISTICS & SUPPLY CHAIN MANAGEMENT

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 demand. Hands-on experiential learning activities are used to enhance learning of concepts and field trips and guest speakers are provided to demonstrate 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 (2 cr edits)

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 I. **PREREQUISITE: NCCER Core Grade level: 11-12 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 on the Satellite Center Campus and is dual enrolled thirteen (13) college credits. **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 which will be completed during 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 for thirteen (13) college credit hours. **PREREQUISITES: Medical Assistant I Grade level: 12 Credits: 2**

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**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. 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. In addition, students have the opportunity to become certified as an electrocardiograph technician. ECG Technicians are health professionals who are responsible for performing diagnostic tests to assess the patient's heart rhythm and rate. They ensure proper electrode placement on the patient, record the ECG, prepare the report for the physician, ensure patient comfort and safety, and troubleshoot abnormalities with the recording. Patient Care is a DE course with the River Parishes Community College, Reserve Campus - HLTH 1002 for three (3) 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 and Plant Safety'. 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 River Parish Community College, - PTEC 1010 for three (3) college credits and PTEC 2030 for three (3) college credits. Students earn a Career and Technical Certificate in Process Technology Plant Safety. This course is offered at the Satellite Center. **PREREQUISITE: 2.0 GPA C in Physical or Environmental Science** **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 is 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 could 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 with a teacher recommendation. **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; 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. Academic study and hands-on application provide a practical approach to production. Student workers could 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**

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