



ACADEMIC AND ACADEMY PROGRAMS

AICE-Cambridge Diploma Program

Advanced International Certificate of Education (AICE) is a set of challenging college-level courses for high school students. It was developed by Cambridge Assessment, a department of the University of Cambridge in England. AICE was designed to give students the option to pursue a rigorous and ambitious curriculum by teaching them key skills to succeed in college-level work. At the same time, AICE classes and the diploma structure are flexible enough to let students tailor the coursework to their interests and strengths. In addition to the academic and intellectual appeal of learning in greater depth, AICE allows students the opportunity to earn an advanced diploma that is recognized world-wide and to earn college credit towards a post-secondary degree.

AVID

Advancement via Individual Determination (AVID), is a global nonprofit organization dedicated to closing the achievement gap by preparing all students for college and other postsecondary opportunities. Established more than 30 years ago with one teacher in one classroom, AVID today impacts more than 700,000 students in 45 states and 16 countries/territories.

College Board Advanced Placement Program

The Advanced Placement Program (AP) is a cooperative educational endeavor between high schools and colleges and universities. Since its inception in 1955, the program has provided motivated high school students the opportunity to take college-level courses in a high school setting. Students who participate in the AP Program gain college-level skills and have the opportunity to earn college credit while still in high school.

Agriculture Science Academy

The Agriculture Science Academy offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Agriculture, Food and Natural Resources career cluster. The academy provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Agriculture, Food and Natural Resources industry.

Automotive Technology Academy

The Automotive Technology Academy coursework includes instruction in the maintenance and light repair of Engines, Brake Systems, Electrical/Electronic Systems, Suspension, and Steering Systems, Automatic and Manual Transmission/Transaxles, and Engine Performance Systems.

Program participation provides students with an understanding of soft skills and technological skills required for employment in the automotive industry. With comprehensive instruction from a knowledgeable and experienced ASE certified instructor, students also get hands-on training using techniques and industry-standard tools to complete computer diagnostics. Students in this academy learn in the only professional state of the art automotive lab in the East Zone.

Criminal Justice Academy

The Criminal Justice (CJ) community has a foundation built on discipline, respect, and integrity. As future leaders, citizens will rely on law enforcement to keep our communities safe. Career ready practices are taught and reinforced in the CJ program with increasingly higher levels of complexity and expectation as a cadet advances through the program.

Culinary Academy

The Culinary Program is an introduction to the art of preparation, cooking, and presentation of food in the form of meals. Course material within the Hospitality is designed to teach young entrepreneurs the world of the Hospitality Industry. Students take a glimpse into the ever-evolving world of hospitality, etiquette, and the art of cooking in both commercial and residential fields. This program is geared toward students aspiring for a future in the fields of Hospitality, such as Resort & Hospitality, Hotel Management, Culinary Arts Management, and Fine Arts. Students are given the opportunity to be officially certified in the Arts of Cooking through the *ServSafe National Restaurant Association Exam*. Upon receiving the certification, students are upheld and granted a higher acceptance into the hospitality career field.

The qualities gained within the culinary field, not only prepare students for the Hospitality industry, but allow students to become more eloquently introduced to the characteristics of eating and preparation etiquette, cooking, and certain knowledge tasks such as cleaning and sanitization. This well-rounded Culinary Program covers all aspects and necessities of knowledge needed for life.

Digital Information Technology Academy

The Digital Information Technology Academy provides instruction with the most widely used software of Microsoft Office. Industry certification preparation occurs through the use of the online simulator GMetrix. GMetrix was founded in 2006 by a management team with over 30 years of experience in the computer and IT training industries.

This program that allows students to practice taking Microsoft Office Specialist certification exams. GMetrix works with partners throughout Europe, the Middle East, Asia and North and South America to provide educational tools designed to prepare individuals for the effective use of technology in the business environment. Certiport issues industry certification in the field and believes that GMetrix practice tests instill confidence and are an essential component in preparing candidates for certification. Students that successfully pass the certification exam earn the title of a Microsoft Specialist and have proven to possess the highly valued software skills.

Firefighting Academy

The Fire Service lives and breathes by the principles of integrity, respect, discipline, and pride. The Firefighting Academy at East Lee County High School is designed for individuals who are interested in entering the public safety fields of either firefighting or emergency medical services (EMS). Recruits who successfully meet the requirements of the academy and the Florida Bureau of Fire Standards and Training will be eligible to sit for the State of Florida Firefighter I exam. The recruits participate in activities such as fire prevention, public safety, enforcement of firefighting safety codes and standards, firefighting tactics, rescue techniques and emergency medical procedures.

The ELCHS Firefighting Academy concentrates on developing its recruits' firefighting skills, positive work habits, knowledge of the fire service traditions, as well as providing emphasis on integrity, discipline, ethical character, as well as having pride in the program and showing respect for their peers, their community, and themselves.

Medical Academy

The Medical Academy is a three-year program which offers students the opportunity to graduate with Certified Nursing Assistant and Certified EKG Technician industry certifications. Students have the experience and certifications to immediately pursue job opportunities in hospitals, nursing homes, and medical clinics following high school graduation. While Certified Nursing Assistants and Certified EKG Technicians are entry-level medical positions, they do help give students a solid foundation to further their education to pursue more advanced medical careers, such as nurses and doctors.

The Medical Academy is regulated by both the Lee County School District and the Florida Board of Nursing. Therefore, students are held to high expectations. Students are required to pass their FSA, and all classes related to obtaining their High School Diploma. Students must have a clean disciplinary record, and not have any ISS or OSS. There are also course grade requirements for each class as the student progresses through the academy. During the final year of the program, students demonstrate and practice the skills they have learned in a nursing home and hospital environment, while taking the Certified Nursing Assistant Class. Allied Health students shadow health care professionals in a healthcare setting.

TV Production Academy

The TV Production lab has been upgraded with state-of-the-art equipment. This upgrade puts ELCHS on par with other schools in the district and allows our students to work with technology and equipment they will encounter in the “real world”. The goal of this academy is to get each student to excel in a chosen field, and to be comfortable with most, if not all, aspects of the field. Each student is required to appear on camera and deliver information, operate on camera, edit raw video, add graphics, produce a newscast, as well as write and produce a video feature.

Welding Academy

The Welding Technology coursework prepares students for entry into the welding industry. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills key to the success of working in the welding industry. Students study workplace safety and organization, basic manufacturing processes, metals identification, basic interpretation of welding symbols, and oxyfuel gas cutting practices. Students demonstrate learned skills by creating and producing a finished product.

As students progress in the academy, they explore career opportunities and requirements of a professional welder. Students will emphasize learned skills and apply them to the success of working in the welding industry. Due to the steady growth in the demand for goods fabricated by welding, new welders are needed in every area of welding.

Yearbook Academy

Yearbook Academy students design and produce the East Lee County High School yearbook using industry standard computer and design programs. As a member of the yearbook staff, students capture memories that will be remembered for many years as alumni gaze at the pages of their high school yearbooks.