INFORMATION TECHNOLOGY

At the IT institute, students learn how to implement the newest technologies while using industry standard equipment and applications. The IT Academies—Adobe Digital Media, Microsoft Networking, Adobe Web Design, Microsoft Programming, Pathways to Engineering, and Apple Professional Applications—are all aimed at the various career opportunities in today's high-skill, high-wage market. Students entering ITI will be prepared for any number of the 28 national certification tests that will allow them to enter directly into the job market or continue training at a community college or university with a Florida Bright Futures Gold Seal Scholarship earned from three IT elective credits. **NOTE:** *Three* **courses in an academy are required for Florida Bright Futures Gold Seal Scholarship Eligibility.**

8207310 – Digital Information Technology (Meets Fine Art Requirement)

This course is designed to provide an introduction to information technology concepts and careers. Emphasis is placed on developing proficiency with the fundamental computer applications of keyboarding and word processing so they may be used as communication tools for enhancing personal and workplace proficiency in an information based society. Students will be introduced to the Microsoft Office Suite 2013, e-mail and Internet services, computing fundamentals, and will have practical experience with Word, Excel, Outlook, Access, PowerPoint, and Vista. Students prepare for national industry certifications in Word, PowerPoint, and Excel. 1 year; 1 elective credit; grades 9-12

8209510 – Digital Design 1: Photoshop Fundamentals and Digital Photography
(Meets Fine Art Fundamentals *Requirement)*

Use cutting edge technology in this program to help you learn the basics of photography and graphic design while earning industry standard certifications. Learn to enhance, manipulate, and transform photographs using Adobe's Photoshop CC. Projects include: Designing a CD cover, Movie Poster, Magazine Cover, the LHS Planner, Package Design, turning photos into paintings, creating panoramas, and more! 1 year; 1 elective credit; grades 9-12

8209520 – Digital Design 2: Illustrator
(Meets Fine Art Requirement)

Experience the industry's premier vector drawing environment and maximize your creative talents using Adobe Illustrator while taking the Digital Design 2 course. You will be able to bring your vision to life with shapes, color, effects, typography, and more. Learning Adobe Illustrator will allow you to develop your unique personal style and perfect your skills as a graphic artist while adding to your electronic portfolio. Students will learn how to use DSLR cameras and photography techniques. Students will prepare to earn their certification in Adobe Illustrator.

1 year; 1 elective credit; grades 9-12

8209530 – Digital Design 3: InDesign
(Meets Fine Art Requirement)

Turn your dreams into action by using Adobe InDesign in Digital Design 3. In this course, you will experience the extraordinary power of the InDesign software and the creative freedom that allows you to take your designs to new levels. This course introduces the fundamentals of InDesign's tools, menus, panels and interactivity. Discover how to create custom page layouts, digital e-books, magazines, interactive web sites, and develop Apps. Advanced projects using InDesign, Photoshop and Illustrator will strengthen your electronic portfolio and skill as a graphic artist. Students will prepare to earn their certification in Adobe InDesign.

1 year; 1 elective credit; grades 9-12

AGRICULTURE

Environmental Horticulture Science and Services

The Environmental Horticulture Science and Services cluster is designed to prepare students for employment or advanced training in the horticulture and landscape industries. This cluster focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the horticulture industry; planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety and environmental issues.

8106810 – Agriscience Foundations I

1 year, 1 credit, Grades 9-12; no prerequisite

8121510 – Introduction to Horticulture II

1 year, 1 credit, Grades 10-12; prerequisite Agriscience Foundations I

8121520 – Horticultural Science III

1 year, 1 credit, Grades 11-12; prerequisite Introduction to Horticulture II

Agritechnology

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the agriculture industry: planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues and health, safety and environmental issues.

8106810 – Agriscience Foundations I

1 year, 1 credit, Grades 9-12; no prerequisite

8106820 – Agritechnology I

1 year, 1 credit, Grades 10-12; prerequisite Agriscience Foundations I

8106830 – Agritechnology II

1 year, 1 credit, Grades 11-12; prerequisite Agriscience Foundations I and Agritechnology I

Aerospace

ASCI 260 UNMANNED AERIAL VEHICLES AND SYSTEMS (1ST SEMESTER) (3 college credits)

This course is a survey of Unmanned Aerial Vehicles (UAV) and systems, emphasizing the military and commercial history, growth and applications of UAVs. The course will include basic acquisition, use, and operation of UAVs with an emphasis on operations along with preparation for the FAA sUAS Certification Exam.

SFTY 210 INTRODUCTION TO AEROSPACE SAFETY (2ND SEMESTER) (3 college credits)

This course provides an introduction and overview of the theories, concepts, applications, and practices of the field of aerospace safety. This course is designed for the beginning aviation student and covers topics such as human factors, mechanical factors, accident investigation, safety programs and safety instructions.