

# CHOICE Aviation Institute

with Embry-Riddle Aeronautical University – Worldwide



This is the premier program of its kind that is being copied across the country! Okaloosa County School District has partnered with Embry-Riddle Aeronautical University – Worldwide to provide students with opportunities to earn free college credit and weighted high school credit.

These classes are taught by Embry-Riddle Worldwide adjunct professors at Choctawhatchee High School, Fort Walton Beach High School, Crestview High School and Niceville High School in state-of-the-art electronic classrooms. Upon high school graduation an official college transcript may be requested for use at a college or university of the student's choice.

**EMBRY-RIDDLE**  
Aeronautical University  
WORLDWIDE



THIS IS NOT COLLEGE PREPARATION:  
**THESE ARE COLLEGE COURSES!**

With many universities preferring high school applicants with a college preparatory background, this is an extraordinary opportunity to demonstrate a clear ability to succeed in college at no cost to students or parents.

## EXCLUSIVE BENEFITS OF THE CHOICE AVIATION INSTITUTE


- Earn up to 24 college credits in high school
- Begin course work on your Associate of Science degree
- Weighted high school credit (5.0)
- 100% free college tuition and books
- Courses valued between \$875 – \$1,750
- Opportunities for college scholarships available to aviation seniors only
- Eligibility for Florida Gold Seal Vocational Scholarship
- Opportunities for summer jobs and internships
- Free flights during the school year

# CHOICE Aviation Institute

## Four Year Plan of Study

CHOICE AVIATION INSTITUTE EMBRY RIDDLE WORLDWIDE UNIVERSITY OKALOOSA HIGH SCHOOL		24 CREDIT 4-YEAR GRADUATION PLAN				FAA GROUND SCHOOL CERTIFICATION OR AUTOCAD CERTIFICATION			
		ENGLISH	MATH	SCIENCE	SOCIAL SCIENCE	OCSD COURSES ERAU WW COURSES	OTHER ELECTIVES		
9th	10th	11th	12th	English I Honors Eng I	Algebra I Honors Geometry Geometry Honors Algebra II Honors	Biology I Biology I Honors	World History World History Honors AP Human Geography AP European History (AP courses are optional)	Tech Studies I AUTOCAD Cert (courses practical for graduation)	Student Choice (free elective requirements for high school graduation)
				English II Honors Eng II	Algebra II Algebra II Honors Geometry Geometry Honors	Chemistry I Chemistry Honors Earth Space Earth Space Honors	American History Am. History Honors World History Honors AP World History	STEM Course Under Development with ERAU WW	Student Choice (free elective requirements for high school graduation)
				English III Honors Ap Eng Lang Eng III	Algebra II Algebra II Honors Trig/Analy PreCalculus AP Stats	Earth Space Honors Physics I Physics I Honors AP Chemistry AP Environmental	American History (regular, honors, or AP) Am. Government & Economics (regular, honors, or AP)	Aerospace Tech II ERAU WW 2 Semester Courses	Student Choice (free elective requirements for high school graduation)
				English IV Honors AP Eng Lit ENG IV	AP Stats AP Calculus Math Analysis	Earth Space Honors Physics I Honors AP Chemistry AP Physics	American Government & Economics (regular, honors, or AP) Social Studies Elective	Aerospace Tech III ERAU WW 2 Semester Courses	Student Choice (free elective requirements for high school graduation)
GRADUATION REQUIREMENTS		English 4 Credits Science 3 Credits Social Studies 3 Credits Math 4 Credits Fine/Practical Art 1 Credit Physical Education 1 Credit		Graduation Requirements for 9th Grade Year of Entry '11-'12 Algebra I EOC Level 3 Geometry EOC 30% of Course Grade Biology EOC 30% of Course Grade Grade 10 FCAT 2.0/Reading Level 3		Students in the Aviation Institute are strongly encouraged to take AT LEAST three AP/AICE, Dual Enrollment courses of their choice with math and science given priority			
		GRADUATION AND DUAL ENROLLMENT OPPORTUNITIES		Students may earn articulated college credit to: Embry Riddle Worldwide Aeronautical University University of West Florida (Participation in CHOICE) Northwest Florida State College (Jump Start Program)		Students may participate in any Dual Enrollment courses for any core subject offered as Dual Enrollment at either NWFSU or UWF.		Students are encouraged to check with prospective post secondary programs to ensure they are meeting the requirements for those programs.	

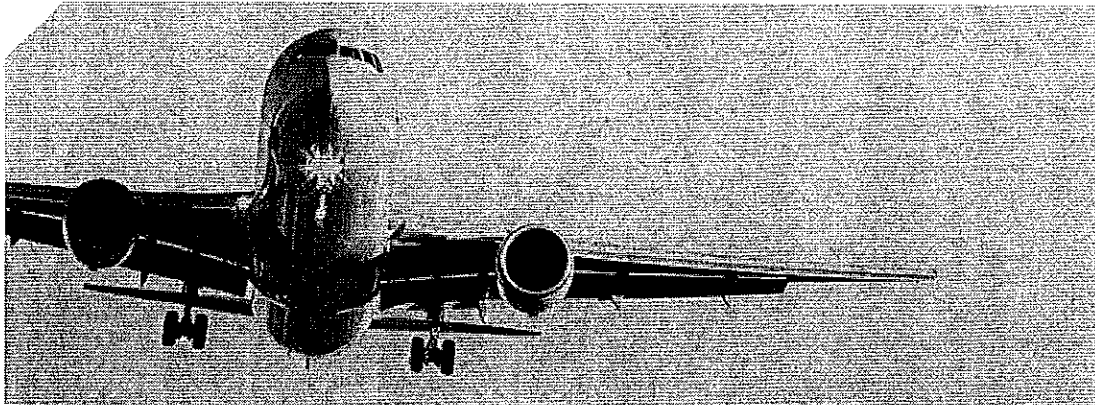
GRADUATION REQUIREMENTS	CREDIT
English	4 Credits
Science	3 Credits
Social Studies	3 Credits
Math	4 Credits
Fine/Practical Art	1 Credit
Physical Education	1 Credit
Graduation Requirements for 9th Grade Year of Entry '11-'12	
Algebra I EOC Level 3	
Geometry EOC 30% of Course Grade	
Biology EOC 30% of Course Grade	
Grade 10 FCAT 2.0/Reading Level 3	
College Credit given in Junior and Senior Years only	
Courses offered are subject to change	
Students in the Aviation Institute are strongly encouraged to take AT LEAST three AP/AICE, Dual Enrollment courses of their choice with math and science given priority	



For more information contact: Dr. Paul Henshall, Director, OCSD CHOICE Aviation Institute, 850-833-3614 ext. 626, HenshallP@mail.okaloosa.k12.fl.us

# CHOICE Aviation Institute

Begin Your Associate of Science Degree Here!



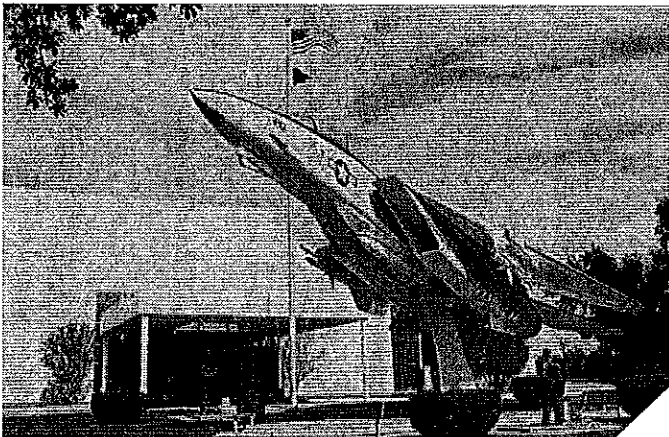
## Aviation Courses

The Okaloosa County School District has partnered with Embry-Riddle Aeronautical University - Worldwide to provide a world-class curriculum that combines high school introductory classes with university courses. Students are offered college courses, weighted high school credit, and opportunities to prepare and take the Federal Aviation Administration (FAA) ground school certification exam. Students are offered the opportunity to attend Aviation Institute Field Trips as scheduled.

**Free college tuition:  
up to 24 college  
credits available in  
high school!**

**Weighted high school  
credit (5.0)**

**College scholarships  
reserved for aviation  
students**



[www.erau.edu/worldwide](http://www.erau.edu/worldwide)

**EMBRY-RIDDLE**  
Aeronautical University

WORLDWIDE

## Introductory Course

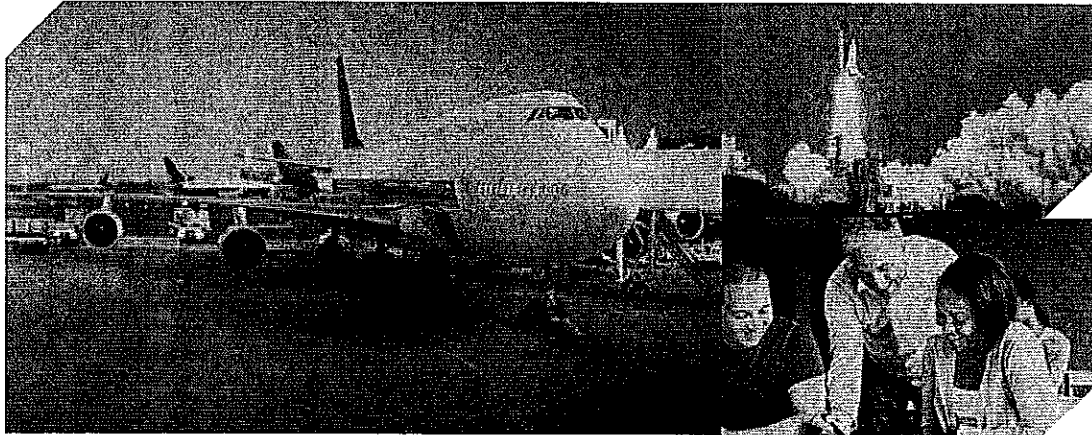
### Introduction to Aerospace and Engineering 8600510

(High school credit - freshman only)

This course provides students an Introduction to the various career fields available in engineering and aerospace. Students will learn about the history of aerodynamics and the development of the airplane through extensive use of flight simulators and field trips to local aviation museums, military bases, and air shows. *1 year; 1 vocational elective credit; grade 9.*

*New course now available*

Aviation STEM Course for 10th graders, which encompasses Science, Technology, Engineering and Math to prepare for ERAU-W college credit courses.



## Aviation Specialization Courses

### **History of Aviation in America & Life Support Systems** **8600580 (ERAU-W HIST 130 & ASCI-220)** (6 college credits)

The aviation history course provides a survey of the history of America in the 20th century, the course emphasizes the explosive growth of aviation as a major influence upon the economic, military, and societal development of the United States. The Life Support Systems course provides a survey, at the elementary physics level, of the requirements and design considerations for life support systems in space and on other planets. Included are an introduction to basic human physiology, a description of the space environment and a survey of historical life support systems, and a presentation of spacecraft limitations and requirements. *1 year; 1 weighted+ vocational\* elective credit; grades 11-12.*

### **Aeronautical Science for Management & Aviation Legislation** **8600680 (ERAU-W AMGT-202 & ASCI-254)** (6 college credits)

Aeronautical Science for Management is an Introductory course in Aeronautical Science to provide students an orientation in aviation topics appropriate to management degree programs. Subjects include: the aviation profession; the science of flight; safety, security and human factors; aviation resources; the aviation environment; and meteorology. Aviation Legislation is a study of the evolution of federal civil aviation regulations in the United States. Students will examine the past and present problems prompting regulation of the industry, the resultant safety legislation, airport development funding legislation, and international aviation legislation. *1 year; 1 weighted+ vocational elective credit; grades 11-12.*

### **Introduction to Space Flight & Space Transportation Systems** **8600610 (ERAU-W ASCI-110 & ASCI-210)** (6 college credits)

Introduction to Space Flight is a survey of the major aspects of space flight. Topics covered include the history of space flight, space shuttle operations, and present and future commercial, industrial, and military applications in space. Space Transportation Systems is a survey course of the Space Transportation System (STS) at the introductory physics level. Included are manned space flight operations, supporting systems and the space shuttle mission, both present and future. A review of space shuttle flight profiles, guidance and navigation control, proximity operations, and rendezvous and a brief review of hypersonic orbiter aerodynamics are included. Also covered are future STS applications to space station logistical operations, commercial applications, and Department of Defense operations. *1 year; 1 weighted+ vocational elective credit; grades 11-12.*

### **Basic Ground School & General Aeronautics and Applications** **8601780 (ERAU-W ASCI-185 & AMNT 240)** (6 college credits)

Upon completion of the Basic Ground School course, the student will have been adequately prepared to know and understand the fundamental concepts of theories of basic flight (aerodynamics and aircraft performance), air navigation, weather reports and forecasts, and relevant Federal Aviation Regulations. The General Aeronautics and Applications Course is an introduction to general aeronautics. It includes the study of physical mathematics, weight and balance, FAA regulations, common and special tools and measuring devices, fluid lines, hardware, aircraft servicing, and documentation (Part 65). *1 year; 1 weighted+ vocational elective credit; grades 11-12.*

*Acceptance into the ERAU - Worldwide Aviation Institute is required for the 11th and 12th grade courses.*

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Aeronautical University

WORLDWIDE

# **CHOICE High School and Technical Center**

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Niceville High School students may concurrently attend the CHOICE High School and Technology Center. Students who attend will earn elective credits needed for graduation, and possibly National Industry Certification as well as Bright Futures Gold Seal Scholarship. Transportation is provided to and from the student's home school and students typically attend 3 periods in either the morning or afternoon session. Students interested in Career and Technical courses and certifications should contact their guidance counselors or CHOICE High School and Technical Center at 833-3500. Courses and course numbers are as follows:

**AMAT-Administrative Medical Assistant Technology (8212201)** Using an instructional lab set up as an actual medical office, the program offers practical instruction in the performance of office procedures specific to the medical environment such as medical transcription, front desk communication skills, medical terminology and medical insurance coding.

**Automotive Technology (8709410)** Utilizing a classroom and hands on approach, the program focuses on automotive diagnostic systems and repair services which can lead to ASE certifications (Automotive Service Excellence).

**Carpentry (8722110)** The program offers practical instruction for residential construction, such as framing, roofing, siding, interior millwork, and cabinetry utilizing one of our student built homes.

**Certified Nursing Assistant (8417100)** The program offers a foundation of knowledge and skills, expanding the traditional role of nursing assistant for both acute and long term care settings. (The program is offered in the evening as a dual enrollment course).

**Certified Veterinary Assistant – NEW Pending Interest (8111510)** Utilizing a simulated animal hospital, this course of study blends four essential elements into a program that leads to certification as a veterinary assistant, kennel technician and/or pet groomer through Animal Care Technologies (ACT).

**Construction Technology (8600710)** The program focuses on construction processes, estimation, scheduling, blueprint reading and technical and production skills needed to prepare students for employment or advanced training in the building construction industry.

**Cosmetology (8757210)** Utilizing curriculum standards in the salon and spa industry, the program teaches colors, cuts, perms, as well as manicure and facial services in order to prepare students for the State Board Exam.

**Creative/Digital Arts (8718010)** Utilizing cutting edge technology, the program offers practical experiences in computer generated art and text, graphic design, photography, animation and illustration; and the development of specialized skill in multimedia presentations.

**Culinary Arts (8763010)** The course content will include food preparation and serving; and identification, storage, selection and presentation of a wide variety of foods. Students can earn a National Restaurant ProStart Certification developed by the National Restaurant Association and earn college credit through Johnson & Wales University.

**Digital Cinema (8052010)** The program develops knowledge in storytelling, planning, shooting, editing and finalizing video content for DVD and Web. Students will use real world footage to demonstrate the features of Final Cut Pro and develop practical techniques used in film and video productions. Completers can receive an Apple Final Cut Certification.

**Horticulture/Landscaping (8121510)** The program is designed to provide practical experience in landscape design and landscape and turf maintenance and is great for those who like to be outdoors.

**Video Game Development – NEW Pending Interest (8208200)** Utilizing state of the art software, the program offers real-life experiences in the simulation, animation and development of video games.

**Welding Technology (8754510)** Using classroom and hands on experiences, the program features MIG, TIG and stick welding for aluminum and steel fabrication. This high skilled/high wage job is very much in demand in the southeast.