

Indiana Commission for Higher Education
Indiana Board for Proprietary Education

**Out-of-State Institutions and
In-State Proprietary Institutions Offering Instruction in Indiana
with a Physical Presence in the State**

DEGREE APPLICATION
(New or Renewal program)

Use the <tab> key to advance to the next field, or select a field by clicking the cursor.

Name of Institution Embry-Riddle Aeronautical University

Program name and
Suggested CIP Code: Bachelor of Science in Interdisciplinary Studies, 30.9999

Level of Degree (AAS, AS, AA, BAS, BA, BS, MBA, MAS, MA, MS, Ph.D.) BS

Name of Person Preparing this Form Rachel Durrance

Telephone Number 386-226-7129 **Application Type**

Date the Form was Prepared 3/28/2016 Initial or Renewal
(Revise date after any revision) Revised: 2016/05/18

I. PROGRAM OBJECTIVES: Describe what the program is designed to achieve and explain how it is structured in order to accomplish the objectives.

The Interdisciplinary Studies Program offers students a unique opportunity to design a curriculum that serves their needs and aspirations. This flexible degree, designed in response to global corporate leaders, nurtures critical thinkers who understand the connections between science, technology, and humanity.

The Program requires coursework in general education, a core curriculum, a minor, a specialty area, and open electives. The general education component provides a broad foundation of study, which leads to the core curriculum, focusing on a specialty. Core courses aim to enhance communication and analytical skills, so students gain an understanding of art, literature and history, which shape an appreciation for the humanities. Also, core courses prepare students to discover meaningful links to technology, science and other technical areas -- developing a renaissance education in a global economy.

Interdisciplinary Studies provides freedom for students to choose coursework, which is primarily lodged in the selection of a minor course of study. It allows students to explore the University's offerings in search of a scholarly education that will broaden knowledge and worldwide ambitions. In the capstone experience, each student will complete and document program outcomes. The Capstone Project will illustrate and provide evidence of a well-rounded education to domestic and international employers.

The flexibility of the Interdisciplinary Studies Program allows students to design their own degree programs, building on their individual strengths and interests. Depending on their choices, graduates can prepare for careers in aviation, aerospace, international business, communication, or other related professions. In addition, it provides a strong foundation for advanced degrees, graduate studies, or even law school. The Interdisciplinary Studies program seeks students with an entrepreneurial spirit who will cross boundaries, make creative connections, be flexible in a changing career environment, and become leaders in their chosen fields.

II. PROGRAM STRUCTURE: List all courses in the program. Indicate course name, course number, and number of credit hours or clock hours for each course.

Name of Program: _____ Bachelor of Science in Indisciplinary Studies

Total Course Hours: 120 Check one: Quarter Hours _____
 _____ Semester Hours X
 _____ Clock Hours _____

Tuition : \$42,600.00 Length of Program: 4 years

SPECIALTY COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
ASCI 202 HIST 130	Aviation Foundation Select one of the following: Introduction to Aeronautical Science History of Aviation in America	3
	Humanities Transfer up to three (3) additional credit hours of humanities upper or lower -or- take a 3 credit hour upper or lower level Humanities course.	3
	Management Foundation Transfer any three (3) credit hours or choose one Embry-Riddle Management elective.	3
RSCH 202	Interdisciplinary Research and Skills Transfer a three (3) credit hour of a 100 level or above Research Methods course or take: Introduction to Research Methods	3
MATH 211 MATH 222	Transfer three (3) credit hours of 100 level or above Statistics course or select one from below: Statistics with Aviation Applications Business Statistics	3
	International Perspectives Transfer three (3) upper level credit hour Government course or take a three 3 credit hour upper level Government course.	3
HUMN 330	Philosophical Perspectives Transfer three (3) credit hours upper level Ethics course or take: Values and Ethics	3

BSIS 473	Upper-Level Literature Transfer three (3) credit hour upper level Literature course or take an upper level Humanities course	3
	Upper-Level Communication Transfer three (3) credit hour upper level Communications course or select an upper level COMD or ENGL course	3
	Senior Capstone Senior Thesis	3
	Specialization - Specialty area of related courses can be taken at ERAU or transferred from another college or university	15
	Open Electives - Open electives (any shortage in the required upper level hours will be made up in this area)	24

GENERAL EDUCATION / LIBERAL ARTS COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
ENGL 123	Communication Theory and Skills	9
	Lower-Level Humanities	3
	Lower-Level Social Sciences	3
	Lower or Upper-Level Humanities or Social Sciences	3
	Upper-Level Humanities or Social Sciences	3
	Computer Science	3
	Mathematics	6
	Physical and Life Sciences	6
	Communication Theory and Skills Transfer English Composition or take: English Composition	3
	Transfer in up to six (6) credit hours of writing, communication or speech courses or take two Speech/English courses	6
	Lower Level Humanities Transfer up to three (3) credit hours of 100 or 200 level courses or take a Humanities course (Lower Level)	3
	Lower Level Social Sciences Transfer up to three (3) credit hours of Lower Level Social Sciences or take a Social Science elective (Lower Level)	3
	Minor - Students must select one minor field of study. Required credits in each minor vary, depending on the minor chosen.	15-21

GENERAL EDUCATION / LIBERAL ARTS COURSES:

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
	Lower or Upper Level Humanities or Social Sciences Transfer lower or upper credit or select a non-duplicated Humanities or Social Science elective (lower or upper level) Upper Level Humanities or Social Sciences Transfer up to three (3) credit hours of upper level Humanities or Social Science or take a Humanities or Social Science elective, (Upper Level) *International Relations minor students may be required to take a humanities course to satisfy this requirement.	3
	Computer Sciences Transfer three (3) credit hours of 100 level or above computer science course credit or take: Introduction to Computers and Applications Mathematics	3
CSCI 109	Take six (6) credit hours in a series below or transfer in direct equivalents:	6
MATH 111	College Mathematics for Aviation I	
MATH 112 - OR - MATH 140	College Mathematics for Aviation II College Algebra	
MATH 142	Trigonometry	
	Physical and Life Sciences Transfer up to six (6) credit hours of physical/life science courses or take one or two Physical and Life Sciences courses (as appropriate to add up to a total of 6 semester hours).	6

Number of Credit/Clock Hrs. in Specialty Courses: _____ / 69 Percentage: 57.5%

Number of Credit/Clock Hrs. in General Courses: _____ / 36 Percentage: 30%

If applicable:
Number of Credit/Clock Hrs. in Liberal Arts: _____ / 15-21 Percentage: 12.5%
(Minor)

III. LIBRARY: Please provide information pertaining to the library located in your institution.

1. Location of library; Hours of student access; Part-time, full-time librarian/staff:

Due to the nature of our University with 137 campuses globally, we strive to provide library resources through digital platforms. For further information please see the attached Appendix 1 Library resources document.

2. Number of volumes of professional material:

See attached Appendix 1 Library Resources Document

3. Number of professional periodicals subscribed to:

See attached Appendix 1 Library Resources Document

4. Other library facilities in close geographical proximity for student access:

See attached Appendix 1 Library Resources Document

**Supplementary Information on
Licensure, Certification, and Accreditation**

Institution: Embry Riddle Aeronautical University
Degree Program: Bachelor of Science in Interdisciplinary Studies
Locations: 5726 Professional Circle, Suite 120, Indianapolis, IN 46241

State Licensure

Does a graduate of this program need to be licensed by the State to practice their profession in Indiana and if so, will this program prepare them for licensure?

If so, please identify
The specific license(s) needed:
The State agency issuing the license(s):

Please see attached Appendix 2 document

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Professional Certification

What are the professional certifications that exist for graduates of similar program(s)?

Will a graduate of this program be prepared to obtain national professional certification(s) in order to find employment, or to have substantially better prospects for employment, in a related job in Indiana?

If so, please identify
Each specific professional certification:
The national organization issuing each certification:

Please explain the rationale for choosing each professional certification:

Please identify the single course or a sequence of courses that lead to each professional certification?

Please see attached Appendix 2 document

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Professional Industry Standards/Best Practices

Does the program curriculum incorporate professional industry standard(s) and/or best practice(s)?

If so, please identify
The specific professional industry standard(s) and/or best practice(s):
The organization or agency, from which the professional industry standard(s) and/or best practice(s) emanate:

Please see attached Appendix 2 document

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Program Accreditation

Does this program need specialized accreditation in order for a graduate to become licensed by the State or to earn a national professional certification, so graduates of this program can work in their profession or have substantially better prospects for employment?

If so, please identify the specialized accrediting agency:

Please see attached Appendix 2 document

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Transferability of Associate of Science Degrees

Since CHE/BPE policy reserves the Associate of Science designation for associate degrees whose credits apply toward meeting the requirements of a related baccalaureate degree, please answer the following questions:

Does a graduate of this A.S. degree program have the option to apply all or almost all of the credits to a related baccalaureate degree at your institution?

If so, please list the baccalaureate degree(s):

Please see attached Appendix 2 document

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Job Titles

List specific job titles and broad job categories that would be appropriate for a graduate of this program:

Please see attached Appendix 2 document

Appendix 1. Library Resources

Books, Library and Supplies

Hunt Library: Bringing the Library to You

<http://huntlibrary.erau.edu/>

The Hunt Library, located on the Daytona Beach Campus, is the Library for all Worldwide students, faculty and staff, regardless of location. The Hunt Library slogan, "Bringing the Library to You," defines our commitment that the Worldwide community has access to all library resources and services.

The mission of the Hunt Library is to provide materials, services, and facilities to students, faculty, and staff in support of the University's commitment to excellence in teaching, learning, and research for both the Daytona Beach and Worldwide campuses.

Hunt Library users will find resources in a variety of formats: books, government documents, periodicals, microforms, conference proceedings, videos, DVDs, and electronic resources.

The Hunt Library's web pages are located at library.erau.edu; choose the Hunt Library link.

The electronic library includes round-the-clock access to EAGLEsearch (<http://library.erau.edu/find/eaglesearch.html>), which allows researchers to search much of Hunt Library's collection simultaneously, as well as the Library's online catalog, Voyager (<http://voyager.db.erau.edu:7008/vwebv/searchAdvanced>), and over 100 online databases (<http://guides.erau.edu/databases>) (which include many full-text resources).

Textbook Purchase

Please consult the Campus Director at your Worldwide location or your Student Affairs Office advisor for information on ordering textbooks. Students may search for textbook information by term on the Worldwide Master Textbook & Materials List site. Online, EagleVision Home, and certain classroom books may be purchased through the Worldwide bookstore website (<http://store.nexternal.com/erau/storefront.aspx>).

Identification Cards

Applying for a student identification card, known as the EAGLEcard, is done through your ERNIE (<http://ernie.erau.edu>) login under Student Services (<https://ernie.erau.edu/portal/page/portal/students/services/worldwide>). These identification cards may be required to use the library facilities of other universities and might be used for student discounts wherever a student identification card is honored.

Help

The Hunt Library is the researcher's primary resource provider. Regardless of their location, members of Embry-Riddle's Worldwide community have circulation (check-out) privileges, online quick-help opportunities, and access to a web-based document delivery system.

Research Librarians are also available via telephone at (800) 678-9428 or (386) 226-7656, by chat (<http://library.erau.edu/help/ask-a-librarian>) or by emailing us at library@erau.edu (library@erau.edu). Research Librarians will provide detailed advice on research strategies, referrals to relevant reference sources, assistance with literature searches, and help navigating the library's website.

An overview of the Hunt Library's help features is available from <http://library.erau.edu/help/>

How to Contact the Hunt Library

Phone: (800) 678-9428 or (386) 226-7656 (8 a.m.-5 p.m. Eastern)

E-mail: library@erau.edu

Internet: library.erau.edu/home.html

Hunt Library Strategic Plan

Vision Statement

The Embry-Riddle Aeronautical University Hunt Library will be a leading resource for the access and discovery of information and research in aviation and aerospace studies.

Mission Statement

The Hunt Library supports the Daytona Beach and Worldwide Campuses. It provides access to materials, information resources, services and facilities to students, faculty and staff in support of the University's commitment to excellence in teaching, learning, and research. As an academic support unit, the Library maintains flexibility and is proactive in meeting the changing information needs of its clientele.

Strategic Directions for 2013-2016

To fulfill the Library's vision, the staff will focus on the following strategic directions.

Strategic Direction 1: Provide easy access to Library collections, excellent customer service, and student study space through the transitions to temporary and new permanent locations.

Strategic Direction 2: Facilitate open access to the research and creative works of faculty, students and staff.

Strategic Direction 3: Enhance virtual collections, instruction and research assistance.

Strategic Direction 4: Preserve the University's collections of rare and unique information resources.

Strategic Direction 5: Develop new research and service partnerships

Appendix 2. Bachelor of Science in Interdisciplinary Studies

State Licensure

Does a graduate of this program need to be licensed by the State to practice their profession in Indiana and if so, will this program prepare them for licensure?

No, a graduate of this program will not need to be licensed by the State to practice their profession.

If so, please identify

The specific license(s) needed:

The State agency issuing the license(s):

Professional Certification

What are the professional certifications that exist for graduates of similar program(s)?

Will a graduate of this program be prepared to obtain national professional certification(s) in order to find employment, or to have substantially better prospects for employment, in a related job in Indiana?

Since this Program allows students to design a curriculum that meets their needs and aspirations there are no specific professional certifications that go along with this program.

If so, please identify

Each specific professional certification:

The national organization issuing each certification:

Please explain the rationale for choosing each professional certification:

Please identify the single course or a sequence of courses that lead to each professional certification?

Professional Industry Standards/Best Practices

Does the program curriculum incorporate professional industry standard(s) and/or best practice(s)?

This Program does not incorporate professional industry standards and/or best practices because it is only a Bachelor level degree program.

If so, please identify

The specific professional industry standard(s) and/or best practice(s):

The organization or agency from which the professional industry standard(s) and/or best practice(s) emanate:

Program Accreditation

Does this program need specialized accreditation in order for a graduate to become licensed by the State or to earn a national professional certification, so graduates of this program can work in their profession or have substantially better prospects for employment?

Since this is only a Bachelor level degree program there is no specialized accreditation in order for the graduate to become licensed in the state or earn a national professional certification.

If so, please explain the specialized accrediting agency:

Transferability of Associate of Science Degrees

Since CHE/BPE policy reserves the Associate of Science designation for associate degrees whose credits apply toward meeting the requirements of a related baccalaureate degree, please answer the following questions:

Does a graduate of this A.S. degree program have the option to apply all or almost all of the credits to a related baccalaureate degree at your institution?

If so, please list the baccalaureate degree(s):

N/A since this is a Bachelor's level Degree Program.

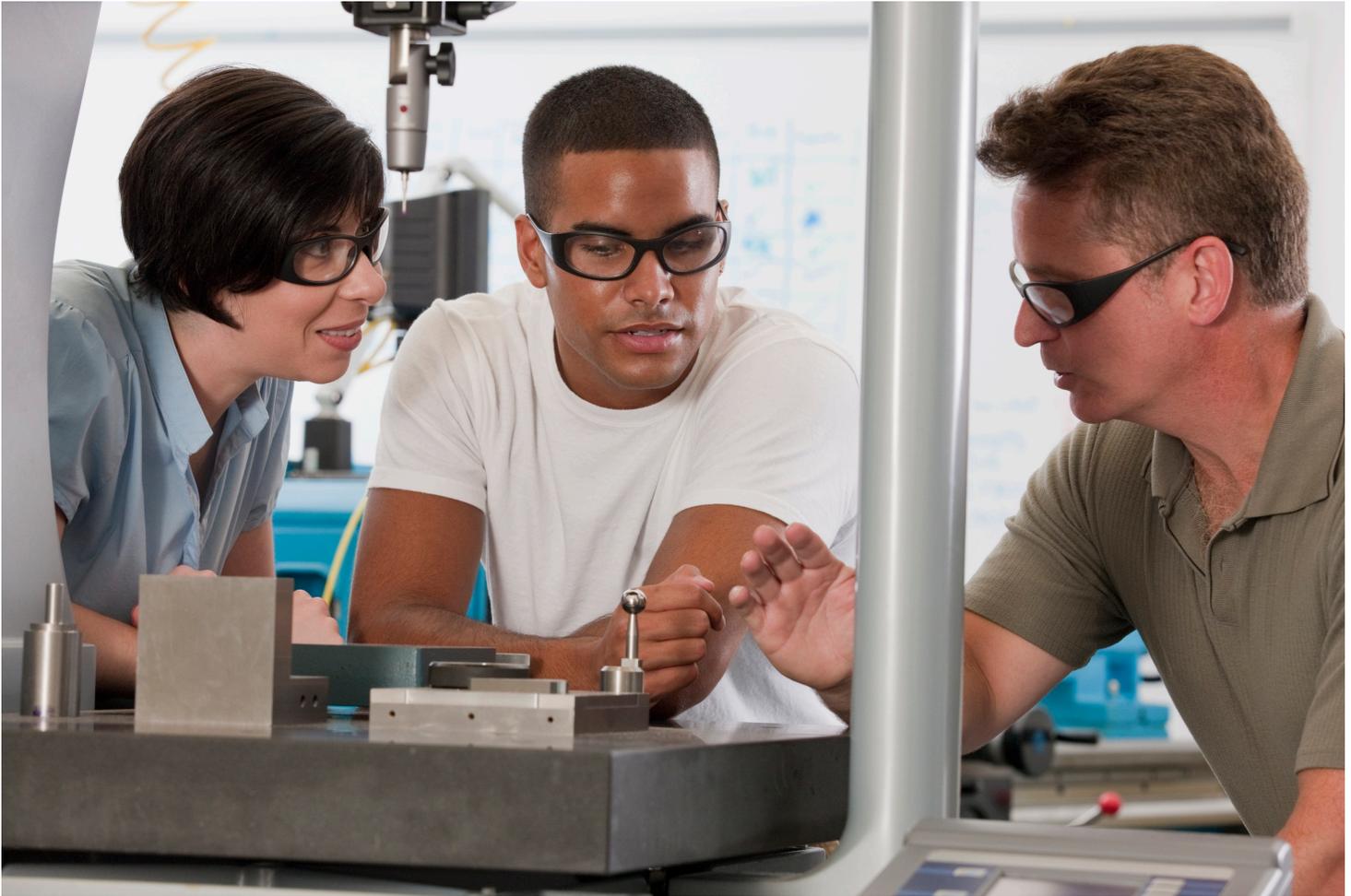
Job Titles

List specific job titles and broad job categories that would be appropriate for a graduate of this program:

- *Academic Advisor*
- *Graduate Coordinator*
- *Lecturer*
- *Admissions Counselor*
- *Research Associate*
- *Research Associate in Human Factors*
- *Natural Resource Specialist*

B. S. in Interdisciplinary Studies

Program Plan of Study and Requirements



The Interdisciplinary Studies Program offers students a unique opportunity to design a curriculum that serves their needs and aspirations. This flexible degree, designed in response to global corporate leaders, nurtures critical thinkers who understand the connections between science, technology, and humanity.

The Program requires coursework in general education, a core curriculum, a minor, a specialty area, and open electives. The general education component provides a broad foundation of study, which leads to the core curriculum, focusing on a specialty. Core courses aim to enhance communication and analytical skills, so students gain an understanding of art, literature and history, which shape an appreciation for the humanities. Also, core courses prepare students to discover meaningful links to technology, science and other technical areas -- developing a renaissance education in a global economy.

Interdisciplinary Studies provides freedom for students to choose coursework, which is primarily lodged in the selection of a minor course of study. It allows students to explore the University's offerings in search of a scholarly education that will broaden knowledge and worldwide ambitions. In the capstone experience, each student will complete and document program outcomes. The Capstone Project will illustrate and provide evidence of a well-rounded education to domestic and international employers.

The flexibility of the Interdisciplinary Studies Program allows students to design their own degree programs, building on their individual strengths and interests. Depending on their choices, graduates can prepare for careers in aviation, aerospace, international business, communication, or other related professions. In addition, it provides a strong foundation for advanced degrees, graduate studies, or even law school. The Interdisciplinary Studies program seeks students with an entrepreneurial spirit who will cross boundaries, make creative connections, be flexible in a changing career environment, and become leaders in their chosen fields.

This degree program participates in the Air University-Associate to Baccalaureate Cooperative (AU-ABC Category I). Students who have completed a Community College of the Air Force (CCAF) associates degree are eligible. CCAF graduates can complete a Bachelor of Science in Interdisciplinary Studies by taking no more than 60 semester hours beyond their CCAF degree.

Degree Requirements

The Bachelor of Science degree in Interdisciplinary Studies requires successful completion of a minimum of 120 credit hours. Included in the 120 credit hours must be 40 credit hours of upper-division courses (300-400 level).

General Education Requirements

For a full description of Embry-Riddle General Education guidelines, please see the General Education (<http://catalog.erau.edu/worldwide/general-ed>) section of this catalog. These minimum requirements are applicable to all degree programs.

Communication Theory and Skills	9
Lower-Level Humanities	3
Lower-Level Social Sciences	3
Lower or Upper-Level Humanities or Social Sciences	3
Upper-Level Humanities or Social Sciences	3
Computer Science	3
Mathematics	6
Physical and Life Sciences	6
Total Credits	36

Communication Theory and Skills

Transfer English Composition or take:	3
ENGL 123 English Composition	
Transfer in up to six (6) credit hours of writing, communication or speech courses or take two Speech/English courses	6

Lower Level Humanities

Transfer up to three (3) credit hours of 100 or 200 level Humanities courses or take a Humanities course (Lower Level)	3
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Lower Level Social Sciences

Transfer up to three (3) credit hours of Lower Level Social Sciences or take a Social Science elective (Lower Level)	3
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Lower or Upper Level Humanities or Social Sciences

Transfer lower or upper Humanities or Social Sciences credit or select a non-duplicated Humanities or Social Science elective (lower or upper level)	3
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Upper Level Humanities or Social Sciences

Transfer up to three (3) credit hours of upper level Humanities or Social Science or take a Humanities or Social Science elective, (Upper Level) *International Relations minor students may be required to take a humanities course to satisfy this requirement.	3
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Computer Sciences

Transfer three (3) credit hours of 100 level or above computer science course credit or take:	3
CSCI 109 Introduction to Computers and Applications	

Mathematics

Take six (6) credit hours in a series below or transfer in direct equivalents:	6
MATH 111 College Mathematics for Aviation I	
MATH 112 College Mathematics for Aviation II	
- OR -	
MATH 140 College Algebra	
MATH 142 Trigonometry	

Physical and Life Sciences

Transfer up to six (6) credit hours of physical/life science courses or take one or two Physical and Life Sciences courses (as appropriate to add up to a total of 6 semester hours).	6
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Core Requirements/Categories

Aviation Foundation

Select one of the following:	3
ASCI 202 Introduction to Aeronautical Science	
HIST 130 History of Aviation in America	

Humanities

Transfer up to three (3) additional credit hours of humanities upper or lower -or- take a 3 credit hour upper or lower level Humanities course.	3
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Management Foundation

Transfer three (3) 100 level or above Management credit hours or choose one Embry-Riddle Management elective.	3
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Interdisciplinary Research and Skills

Transfer a three (3) credit hour of a 100 level or above Research Methods course or take:	3
RSCH 202 Introduction to Research Methods	
Transfer three (3) credit hours of 100 level or above Statistics course or select one from below:	3
MATH 211 Statistics with Aviation Applications	
MATH 222 Business Statistics	

International Perspectives

Transfer three (3) upper level credit hour Government course or take a three 3 credit hour upper level Government course.	3
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Philosophical Perspectives

Transfer three (3) credit hours upper level Ethics course or take:	3
HUMN 330 Values and Ethics	

Upper-Level Literature

Transfer three (3) credit hour upper level Humanities or Literature course or take an upper level Humanities or Literature course	3
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Upper-Level Communication

Transfer three (3) credit hour upper level Communications or English course or select an upper level COMD or ENGL course	3
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Senior Capstone

BSIS 473 Senior Thesis	3
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Total Core Requirements

30

View Minors (<http://catalog.erau.edu/worldwide/minors>)**Available Minors**

Students must select one minor field of study. Required credits in each minor vary, depending on the minor(s) chosen. Examples of minors and required credits are shown below but can change. Please consult the Worldwide Minor Courses of Study page for up to date list. Courses taken in minors cannot duplicate (double-counted for) requirements in other areas.

Air Cargo Management	15
Airport Management	15
Aviation Management	15
Aviation Maintenance Operations	18
Aviation Safety	18
Economics	18
Engineering Sciences	21
Emergency Services	15
Helicopter Operations and Safety	18
Human Resources	15
International Relations	15
Logistics Management	15
Management	18
Management Information Systems	15
Marketing	15
Occupational Safety and Health	18
Project Management	15
Security and Intelligence	18
Technical Management	15
Transportation	18
Unmanned Aerial Systems	18
Total Credits (for 1 Minor)	15/21

Specialization

15

Specialty Area of related courses can be taken at ERAU or transferred from another college or university.

Open Electives

0-24

Open Electives (Any shortages in the required upper level hours will be made up in this area).

Total Degree Credits

120

(at least 40 semester hours need to be upper level coursework)