

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 Safety Management, 15.0701

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)

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

The Bachelor of Science in Safety Management (BSSM) program is designed to provide students with knowledge and skills to allow them to operate as competent leaders, managers, and practitioners within the field of safety management. Students will develop not only technical understanding and expertise, but also a practical and analytical approach to problem solving that will allow them to address a range of industry-related safety challenges.

The Worldwide Campus is appropriately positioned to offer the Bachelor of Science in Safety Management program; the Worldwide Campus has expertise in multi-modal curriculum delivery, as well as experience delivering graduate programs to a widely dispersed student population.

**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 Safety Management

Total Course Hours: 121 Check one: Quarter Hours \_\_\_\_\_  
 Semester Hours X  
 Clock Hours \_\_\_\_\_

Tuition : \$43,310.00 Length of Program: 4 years

**SPECIALTY COURSES:**

<u>Course Number</u>	<u>Course Title</u>	<u>Course Hours</u>
SFTY 201	Introduction to Health, Occupational, and Transportation Safety	3
SFTY 205	Principles of Accident Investigation	3
SFTY 311	Fundamentals of Occupational Safety and Health	3
SFTY 315	Environmental Compliance and Safety	3
SFTY 321	Ergonomics	3
SFTY 326	System Safety	3
SFTY 355	Industrial Hygiene and Toxicology	3
SFTY 365	Fire Protection	3
SFTY 440	System Safety Management	3
SFTY 450	Loss Control & Insurance	3
FIRE 300	Fire-Related Human Behavior	3
FIRE 305	Fire Prevention Organization and Management	3
EMGY 310	Fundamentals of Emergency Management	3
BSSM 490	Safety Management Capstone Course	3
PSYC 220	Introduction to Psychology	3
MATH 222	Business Statistics	3
MGMT 201	Principles of Management	3
MGMT 317	Organizational Behavior	3
MGMT 325	Social Responsibility and Ethics in Management	3
MGMT 371	Leadership	3
CHEM 105	General Chemistry	3
CHEM 105L	General Chemistry Laboratory	1
RSCH 202	Introduction to Research Methods	3
	Select one Safety Management Specializations	18
	Occupational Safety Management	
	Aviation Safety Management	
	Construction Safety Management	
	Emergency Management	

**GENERAL EDUCATION / LIBERAL ARTS COURSES:**

<b><u>Course Number</u></b>	<b><u>Course Title</u></b>	<b><u>Course Hours</u></b>
ENGL 123	Communication Theory and Skills	3
	English Composition	6
	Speech/English	
HUMN 330	Humanities*	3
	Values and Ethics	3
	Humanities elective	
ECON 210 or ECON 211	Social Sciences	3
	Microeconomics	
	Macroeconomics	3
	Social Science elective	
PHYS 102	Physical and Life Science	3
BIOL 107	Explorations in Physics	3
	Elements of Biological Science	
MATH 140	Mathematics	3
MATH 142	College Algebra	3
	Trigonometry	
CSCI 109	Computer Science	3
	Introduction to Computers and Applications	

**GENERAL EDUCATION / LIBERAL ARTS COURSES:**

<b><u>Course Number</u></b>	<b><u>Course Title</u></b>	<b><u>Course Hours</u></b>
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Number of Credit/Clock Hrs. in Specialty Courses: \_\_\_\_\_ / 85 Percentage: 70%

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

If applicable:  
Number of Credit/Clock Hrs. in Liberal Arts: \_\_\_\_\_ / \_\_\_\_\_ Percentage: \_\_\_\_\_

**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

**IV. FACULTY:** Attach completed Instructor's Qualification Record for each instructor.  
**\*\* Include all required documentation pertaining to the qualifications of each instructor.**

<b>Total # of Faculty in the Program:</b>	7	<b>Full-time:</b>	3	<b>Part-time:</b>	4
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Fill out form below: (PLEASE LIST NAMES IN **ALPHABETICAL ORDER.**)

List Faculty Names (Alphabetical Order)	Degree or Diploma Earned	# Years of Working Experience in Specialty	# Years Teaching at Your School	# Years Teaching at Other	Check one:	
					Full-time	Part-time
Bailey, William	Ph.D.	28	9	3	X	
Harris, Randall	Ph.D.	34	17	2	X	
Hauser, Jeffrey	MS	17		5		X
Lloyd, Scott	M	17	9	9		X
McFarland, Michael	MS	10	14			X
Stewart, George	MS	26	5			X
Zimmerman, Donald	Ph.D.	33	22	8	X	

*Indiana Commission for Higher Education  
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**Supplementary Information on  
Licensure, Certification, and Accreditation**

Institution: Embry-Riddle Aeronautical University  
Degree Program: Bachelor of Science in Safety Management  
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](http://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](mailto:library@erau.edu) ([library@erau.edu](mailto: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](mailto:library@erau.edu)

Internet: [library.erau.edu/home.html](http://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 Safety Management

### 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 does not need to be licensed by the State to practice their profession.*

Is 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?

If so, please identify

Each specific professional certification:

- *Associated Safety Professional*

The national organization issuing each certification:

- *Board of Certified Safety Professionals*

Please explain the rationale for choosing each professional certification:

*These professional certifications will help graduates of this program further themselves in the field of safety and will help the graduate keep current with new information and technology.*

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

*To attain each of these certifications the graduate will need to submit either documentation to show that they are in the field of safety or sit for an exam that will test their knowledge of the field of safety. Some of these certifications required both evidence and a test, while others require one or the other.*

### **Professional Industry Standards/Best Practices**

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

*This Program does incorporate professional industry standards and/or best practices.*

If so, please identify

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

*This program incorporates the Occupational Safety and Health Administrations (OSHA) professional industry standards and best practices.*

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

*These emanate from the Occupational Safety and Health Administration.*

### **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 Bachelors 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):

*Not Applicable 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:

- *Senior Manager, Building Operations*
- *Clinical Risk Management & Compliance*
- *Quality Manager*
- *Senior Control Engineer*