

# B.S. in Human Factors Psychology

## DEGREE REQUIREMENTS

### General Education

#### General Education

Embry-Riddle courses in the general education categories of Communication Theory and Skills, Humanities, Social Sciences, Physical and Life Science, Mathematics, and Computer Science may be chosen from as listed, assuming prerequisites are met. Courses from other institutions are acceptable if they fall into these broad categories and are at the level specified.

<b>Communication Theory and Skills</b>	<b>9</b>
<b>Computer Science/Information Technology</b>	<b>3</b>
<b>Mathematics</b>	<b>6</b>
<b>Physical and Life Sciences (Natural Sciences)</b>	<b>6</b>
<b>Humanities and Social Sciences</b>	<b>12</b>
Lower-Level Humanities	
Lower-Level Social Science	
Lower-Level or Upper-Level Humanities or Social Science	
Upper-Level Humanities or Social Science	
<b>Total Credits</b>	<b>36</b>

### Core/Major

#### Human Factors Core

BSHF 300	Human Factors I: Principles and Fundamentals	3
BSHF 302	Human Factors II: Analytic Methods and Techniques	3
BSHF 306	Human Factors III: Performance Processes	3
Culminating Experience (Select One):		3
BSHF 401	Applied Research	
BSHF 480	Human Factors Capstone	
COIN 496	Co-Operative Education	
<b>Total Credits</b>		<b>12</b>

#### Additional Core (Program Support)

RSCH 202	Introduction to Research Methods	3
STAT 211	Statistics with Aviation Applications	3
BSHF 414	Sensation and Perception	3
BSHF 420	Memory and Cognition	3
<b>Total Credits</b>		<b>12</b>

#### Program Specialization **36**

Choose two specializations

### Electives

#### Specified Electives

COMD 225	Science and Technology Communication	3
COMD 322	Aviation and Aerospace Communication	3
COMD 335	Technology and Modern Civilization	3
HUMN 330	Values and Ethics	3
or MGMT 201	Principles of Management	
RSCH 350	Research Ethics	3
or SOCI 210	Introduction to Sociology	
SOCI 499	Special Topics/Social Science	3
<b>Total Credits</b>		<b>18</b>

<b>Open Electives</b>	<b>6</b>
-----------------------	----------

<b>Total Degree Requirements</b>	<b>120</b>
----------------------------------	------------

### Program Specializations:

#### Psychological Foundations of Human Factors

PSYC 220	Introduction to Psychology	3
Select 5 courses from the following:		15
PSYC 320	Aviation Psychology	
PSYC 326	Group and Team Behavior	
PSYC 340	Industrial/Organizational Psychology	
PSYC 350	Social Psychology	
PSYC 355	The Psychology of Creativity and Innovation	
PSYC 360	Cultural Psychology	
PSYC 400	Introduction to Cognitive Science	
PSYC 440	The Psychology of Resilience	
<b>Total Credits</b>		<b>18</b>

#### Homeland Security and Emergency Management

HLSD 110	Introduction to Homeland Security	3
EMGY 310	Fundamentals of Emergency Management	3
HLSD 280	Professional Skills in Homeland Security	3
Select 3 of the following:		9
EMGY 400	Introduction to Incident Command System	
BSAS 350	Aircraft Crash and Emergency Management	
HLSD 360	Strategic Planning and Decision Making in Homeland Security	
HLSD 315	Critical Infrastructure Security, Resilience, and Risk Analysis	
HLSD 215	Introduction to Industrial Security	
HLSD 405	Emergent Topics in Homeland Security	
HLSD 155	Foundations of Information Security	
ESVS 201	Fire-Related Human Behavior	
ESVS 301	Community Risk Reduction for the Fire and Emergency Services	
ESVS 405	Personnel Management for Fire and Emergency Services	
ESVS 400	Analytical Approaches to Public Fire Protection	
<b>Total Credits</b>		<b>18</b>

#### Safety

Select 6 of the following:		18
SFTY 201	Introduction to Occupational Safety and Health	
SFTY 205	Principles of Accident Investigation	
SFTY 311	Fundamentals of Occupational Safety and Health	
BSAS 320	Human Factors in Aviation Safety	
SFTY 321	Ergonomics	
SFTY 326	System Safety	
SFTY 341	Occupational Safety and Health Program Management	
SFTY 415	Human Reliability and Safety Analysis	
SFTY 421	Ergonomics II	
<b>Total Credits</b>		<b>18</b>

#### Organizational Behavior and Leadership

OBLD 275	Critical Thinking for Leadership	3
Select 3 of the following:		15
OBLD 300	Emotional, Social, and Cognitive Intelligence	
OBLD 304	Coaching and Mentoring	

2 *B.S. in Human Factors Psychology*

OBLD 310	Mediation, Negotiation, and Conflict Resolution
OBLD 315	Contemporary Leadership Theories
OBLD 317	Organizational Behavior
OBLD 371	Leadership
OBLD 407	Driving Change in Organizations
OBLD 427	Management of the Multicultural Workforce
<b>Total Credits</b>	<b>18</b>