

B.S. in Safety Management

The Bachelor of Science in Safety Management (BSSM) program is designed to provide students with the knowledge and skills to operate as competent leaders, managers, and practitioners in safety management. Students will develop technical understanding and expertise and a practical and analytical approach to problem solving that will allow them to address industry-related safety challenges in both the public and private sectors.

This degree program comprises core safety and emergency management courses with enough elective hours for students to earn as many as two minors to leverage professional development opportunities and study additional areas of interest.

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

For students wanting to pursue a master's degree, the BSSM-MSOSM 4+1 program is now available to all BSSM program students.

- Upon acceptance, students spend three academic years in undergraduate-level study. Then, during their senior year, they will take up to three graduate-level courses that will meet the undergraduate 400-level elective and graduate program core requirements (GPA restrictions apply).
- Upon completing the BSSM requirements, students will be enrolled in graduate school and can complete their degree in one year. (GPA restrictions apply).

Estimated Cost of Attendance

Students will:

- Have an ability to identify, formulate, and solve broadly-defined technical or scientific problems by applying knowledge of mathematics and science and/or technical topics to areas relevant to the discipline.
- Have an ability to formulate or design a system, process, procedure, or program to meet desired needs.
- Have an ability to develop and conduct experiments or test hypotheses, analyze, and interpret data and use scientific judgment to draw conclusions.
- Have an ability to communicate effectively with a range of audiences.
- Have an ability to understand ethical and professional responsibilities and the impact of technical and/or scientific solutions in global, economic, environmental, and societal contexts.
- Have an ability to function effectively on teams that establish goals, plan tasks, meet deadlines, and analyze risk and uncertainty.

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.

Communication Theory and Skills

ENGL 123	English Composition	3
ENGL (above ENGL 106) / SPCH / COMD (6)		6

Humanities

Any Upper Level Humanities	3
Any Lower Level Humanities	3
Social Sciences	
Any Social Science	6
Physical and Life Science	
Any Physical/Life Science	3
Mathematics	
Any College Algebra or Higher Math Series	6
Computer Science	
Any Computer Science	3
Total Credits	33

Core/Major

Safety Management Core

SFTY 201	Introduction to Occupational Safety and Health	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 360	Construction Safety	3
SFTY 365	Fire Protection	3
SFTY 440	System Safety Management	3
SFTY 450	Loss Control & Insurance	3
EMGY 310	Fundamentals of Emergency Management	3
EMGY 405	Disaster Policy and Management	3
STAT 222	Business Statistics	3
CHEM 110	General Chemistry I	3
CHEM 110L	General Chemistry I Laboratory	1
RSCH 202	Introduction to Research Methods	3
BSSM 491	Operational Applications in Safety Management	3
Total Credits		52

Safety Management Electives

Safety Management Elective 18

Select six Safety Management Courses (SFTY, EMGY, and safety-related SCTY, ESVS, HLSD courses)

Open Electives or Choose Minor

Open Electives or Minor 18

Choose 18 credit hours of Open Electives and/or Minor

Total Degree Requirements 121

Plan of Study (BSSM)

Year 1

Term 1		Credits
	Any Communication Theory and Skills above ENGL 106	3
	Any College Algebra or Higher Math Series	3
	Credits Subtotal	6.0
Term 2		
	Any Communication Theory and Skills above ENGL 106	3
	Any College Algebra or Higher Math Series	3
	Credits Subtotal	6.0
Term 3		

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STAT 222	Business Statistics	3
RSCH 202	Introduction to Research Methods	3
Credits Subtotal		6.0
Term 4		
	Any Social Science	3
	Any Computer Science	3
Credits Subtotal		6.0
Term 5		
	Any Social Science	3
	Any Physical and Life Science/Physics	3
Credits Subtotal		6.0
Credits Total:		30.0

Year 2

Term 1		Credits
	Any Lower-Level Humanities	3
	Any Communication Theory and Skills above ENGL 106	3
Credits Subtotal		6.0
Term 2		
	Any Upper-Level Humanities	3
CHEM 110	General Chemistry I	3
CHEM 110L	General Chemistry I Laboratory	1
Credits Subtotal		7.0
Term 3		
SFTY 201	Introduction to Occupational Safety and Health	3
SFTY 205	Principles of Accident Investigation	3
Credits Subtotal		6.0
Term 4		
EMGY 310	Fundamentals of Emergency Management	3
SFTY 311	Fundamentals of Occupational Safety and Health	3
Credits Subtotal		6.0
Term 5		
SFTY 315	Environmental Compliance and Safety	3
SFTY 321	Ergonomics	3
Credits Subtotal		6.0
Credits Total:		31.0

Year 3

Term 1		Credits
SFTY 326	System Safety	3
SFTY 355	Industrial Hygiene and Toxicology	3
Credits Subtotal		6.0
Term 2		
SFTY 365	Fire Protection	3
EMGY 405	Disaster Policy and Management	3
Credits Subtotal		6.0
Term 3		
SFTY 360	Construction Safety	3
	Safety Management Elective	3
Credits Subtotal		6.0
Term 4		
	Safety Management Elective	3
	Safety Management Elective	3
Credits Subtotal		6.0
Term 5		
	Open Elective	3

Open Elective	3
Credits Subtotal	6.0
Credits Total:	30.0

Year 4

Term 1		Credits
SFTY 440	System Safety Management	3
SFTY 450	Loss Control & Insurance	3
Credits Subtotal		6.0
Term 2		
	Safety Management Elective	3
	Safety Management Elective	3
Credits Subtotal		6.0
Term 3		
	Safety Management Elective	3
	Open Elective	3
Credits Subtotal		6.0
Term 4		
	Open Elective	3
	Open Elective	3
Credits Subtotal		6.0
Term 5		
	Open Elective	3
BSSM 491	Operational Applications in Safety Management	3
Credits Subtotal		6.0
Credits Total:		30.0

Total Degree Requirements	121
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BSSM to MSOSM 4+1 Program: A Unique Opportunity

This program is for exceptional students committed to continuing their education through a Master's degree. This fast-paced program allows qualifying students to complete both the Bachelor of Science in Safety Management (BSSM) and the Master of Science in Occupational Safety Management (MSOSM) in five academic years.

Students must have completed 75 credit hours of undergraduate study before applying to the 4+1 program. Senior students accepted in the BSSM/MSOSM 4+1 program will be allowed to apply nine (9) specified graduate credits toward their baccalaureate degree in lieu of nine (9) specific undergraduate credits. Upon completing the BSSM requirements, students will be enrolled in graduate school and can complete their MSOSM degree in one year. Undergraduate students must earn a grade of B or better for any graduate courses taken. Students receiving a C or F grade in any MSOSM graduate courses taken for BSSM credit will be removed from the 4+1 program, have credit awarded to the BSSM degree only, and continue to complete the BSSM degree.

Students initiate program acceptance through their Academic Advisor or Campus Advisor to ensure program criteria compliance. The student's Advisor will complete the request for processing into the 4+1 program.