

## Five Ways to Learn

With Embry-Riddle Aeronautical University – Worldwide, you can get your education in the way that works best for you:

1. **Traditional Classroom** - learning at more than 170 locations worldwide
2. **Online** - from anywhere in the world
3. **EagleVision Classroom** - web video conferencing between classrooms
4. **EagleVision Home** - web video conferencing from the convenience of your home
5. **Blended Program** - combined learning modes to suit your lifestyle

Depending on the program you choose, you can combine modalities based on your needs. Whichever route you choose to achieve your educational goals, you can count on the support of the Embry-Riddle Worldwide team to help you reach your final destination.

**Education has never been this easy!**



**Take the fast track to a career in transportation.**

Developed by transportation industry professionals, the Bachelor of Science in Transportation from Embry-Riddle Worldwide will give you the knowledge, skills and credentials to succeed in the field that moves the world.

**EMBRY-RIDDLE**  
Aeronautical University  
WORLDWIDE

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

# Bachelor of Science in Transportation



**EMBRY-RIDDLE**  
Aeronautical University  
WORLDWIDE

# For a world that moves fast – and a career that moves even faster.

Today's world is on the move. People, products, as well as goods and services make transportation the cornerstone of our modern economy. Domestically and worldwide, designers, operators and managers of efficient transportation systems are needed now more than ever. You can become one of these sought-after professionals with the new Bachelor of Science in Transportation from Embry-Riddle Aeronautical University – Worldwide.

This specialized degree is designed for those seeking a rewarding career in the fast-paced transportation field. Research indicates a significant and growing demand for professionals in this field, with outstanding opportunities in the business, commercial and military sectors. With the advanced knowledge and skill set developed through the program, you will distinguish yourself as an outstanding candidate for these positions.

The comprehensive curriculum was developed by industry professionals and addresses all major modes of transport: air, highway, rail and marine. Students will explore critical areas in the science of transportation, including the important role transportation plays in the larger world economy.

Key issues:

- Physical characteristics of the air, highway, rail and marine transportation systems, including carrier vessel design
- Economics, pricing and the impacting factors for all transportation modes
- Physical distribution, materials management and analysis
- Systems engineering, integrated logistics support and business logistics theories and their integration in a practical framework
- Safety and security in transportation networks, vehicles and facilities
- International business and the role of transportation
- Strategic business management principles
- Current transportation industry issues and challenges

Successful program graduates will be eligible for positions in transportation and logistics analysis, management, research and planning, and will be prepared to lead the field into the future.



## DEGREE REQUIREMENTS

**Transportation Area of Concentration:** 15

### GENERAL EDUCATION:

Embry-Riddle courses in the general education categories of Communication Theory, Communication Skills, Humanities, and Social Sciences may be chosen from those listed below, assuming prerequisite requirements are met. Courses from other institutions are acceptable if they fall into these broad categories and are at the level specified.

#### Communication Theory & Skills:

ENGL 123 English Composition 3

Speech/English 6

#### Mathematics:

MATH 111 & MATH 112 or MATH 140 & MATH 142 6

#### Physical and Life Sciences:

PHYS 102, PHYS 142 6

Humanities/Social Sciences 6

(HU/SS one course must be UL)

**Total Credits** 27



## PROGRAM SUPPORT:

Course	Title	Credits
CSCI 109	Introduction to Computers and Applications	3
ECON 210	Microeconomics	3
ECON 211	Macroeconomics	3
MATH 222	Business Statistics	3
MGMT 201	Principles of Management	3
<b>Total Credits</b>		<b>15</b>

## TRANSPORTATION TOPICS:

Course	Title	Credits
TRAN 274	Transportation Science	3
TRAN 301	Transportation Legislation	3
TRAN 321	Air Transportation Systems	3
TRAN 331	Road and Highway Transportation	3
TRAN 341	Railroad Operations	3
TRAN 351	Urban Transportation and City Planning	3
TRAN 361	Marine Transportation	3
TRAN 371	Pipelines, Land Use, and the Environment	3
TRAN 401	Transportation and the Environment	3
TRAN 411	Strategic Intermodal Alliances	3
TRAN 421	Transportation Safety and Security	3
<b>Total Credits</b>		<b>33</b>

## TRANSPORTATION SUPPORT TOPICS:

Course	Title	Credits
MGMT 210	Financial Accounting	3
MGMT 221	Advanced Computer Based Systems	3
MGMT 314	Human Resource Management	3
MGMT 390	Business Law	3
<b>Total Credits</b>		<b>12</b>

## SPECIFIED ELECTIVES:

200-400	Lower-level & Upper-level	15
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## TRANSPORTATION CAPSTONE COURSE:

TRAN 490	Transportation Science Capstone Course	3
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## TOTAL DEGREE REQUIREMENTS 120

