

B.S. in Technical Management

At the **Worldwide Campus**, the Bachelor of Science in Technical Management allows students to select a major to align coursework with specific career fields. Available majors address topics relevant to managerial roles in technical and data-driven environments. Options include Aviation Management, 21 credit hours; Business Cybersecurity, 21 credit hours; Human Resources Management, 21 credit hours; Leadership, 21 credit hours; and Technical Management, 21 credit hours. The Bachelor of Science in Technical Management is accredited by the Accreditation Council for Business Schools and Programs (ACBSP). Courses within the program are accredited by the Project Management Institute (PMI), and security courses are accredited by the National Security Agency (NSA).

Program-Level Student Learning Outcomes

Students will:

- Use established methodologies and standards to critically evaluate business functions and processes, identify needs, and structure business approaches.
- Describe key principles of business and management disciplines and their business applications, including the possible interrelationships to technical management practices especially in the field of aviation and aerospace.
- Employ supervisory and management skills needed to effectively lead and support others within a team environment across business functions.
- Apply a research skillset to solve business problems and communicate the results effectively.
- Solve problems related to the specialty areas of aviation management, business cybersecurity, human resources management, or leadership and their interrelationships to business and technical management practices.

Worldwide Program Requirements

General Education Requirements	36
Core Requirements	36
Major	21
Electives	27
Total Credits	120

Program Details

The Bachelor of Science in Technical Management requires successful completion of a minimum of 120 credit hours. Students enrolled in the Worldwide Undergraduate Online program may complete the degree in 20 terms, or approximately four years, assuming full-time enrollment and continuous progress. Students pursuing this undergraduate degree must earn a minimum cumulative grade point average (CGPA) of 2.00 for all work completed at the University. The courses required to earn this degree are listed below.

Students should be aware that many courses have prerequisites and/or corequisites. Students are responsible for ensuring that all prerequisite and degree requirements are satisfied prior to enrollment in advanced coursework. The suggested plan of study is provided as a guide. A student's actual plan of study may vary based on term of admission, course availability, transfer credit, and other academic considerations. Students should consult with their academic advisor to develop an individualized plan of study.

Students must complete one of the following majors: Technical Management, Aviation Management, Business Cybersecurity, Leadership, or Human Resources Management. Students may apply eligible technical

transfer credit toward the degree, where applicable. If technical transfer credit is not awarded, the required credit hours must be satisfied through an approved minor or management electives at the 200-, 300-, or 400-level. Open electives may also be used to complete approved minors in consultation with an academic advisor while satisfying degree requirements.

General Education Requirements

Communication	9
COMM 122 English Composition	
COMM 222 Business Communication	
Any Communication above COMM 106 Introduction to Composition	
Humanities - Lower Level	3
Social Sciences - Lower Level	6
ECON 210 Microeconomics	
ECON 211 Macroeconomics	
Humanities - Upper Level	3
Computer Science/Information Technology	3
Mathematics	6
STAT 211 Statistics with Aviation Applications or STAT 222 Business Statistics	
Any College Algebra or higher math or any Statistics (Credit cannot be awarded for STAT 211 or STAT 222)	
Physical/Life Sciences	6
Physics/Biology/Meteorology	
Total Credits	36

Core Requirements

MGMT 201 Principles of Management	3
MMIS 320 Business Information Systems	3
MKTG 311 Marketing	3
ACCT 210 Financial Accounting	3
ACCT 312 Managerial Accounting	3
MGMT 317 Organizational Behavior	3
BUSA 325 Social Responsibility and Ethics in Management	3
FINE 332 Corporate Finance I	3
BUSA 335 International Business	3
BUSA 390 Business Law	3
SCLM 420 Management of Production and Operations	3
MGMT 436 Strategic Management	3
Total Credits	36

Major

Aviation Management

AVMG 415 Airline Management	3
SCLM 410 Management of Air Cargo	3
AMNT 416 Aviation Maintenance Management: A Global Perspective	3
AVMG 408 Airport Management	3
MKTG 450 Airline/Airport Marketing	3
AVMG 412 Airport Planning and Design	3
AVMG 426 International Aviation Management	3
Total Credits	21

Technical Management

BUAN 428 Business Analytics and Data Intelligence	3
MGMT 326 Concepts and Practices of Project Management	3

MISA 384	Information Security Operations Management	3
MKTG 449	Strategic Marketing Management	3
MMIS 494	Aviation Information Systems	3
SCLM 411	Logistics Management for Aviation/Aerospace	3
SCLM 363	Supply Chain Management	3
Total Credits		21

Business Cybersecurity

CYBR 235	Computer and Network Technologies	3
CYBR 335	Information Security Tools and Techniques	3
CYBR 365	Introduction to Digital Forensics	3
MISA 387	IT/OT System Vulnerability and Risk Management	3
MISA 384	Information Security Operations Management	3
MISA 403	IT Audit and Control	3
MISA 404	IT/OT Incident Response, Continuity, and Disaster Recovery	3
Total Credits		21

Leadership

MGMT 275	Critical Thinking for Leadership	3
MGMT 285	The Evolution of Leadership	3
MGMT 304	Coaching and Mentoring	3
MGMT 310	Mediation, Negotiation, and Conflict Resolution	3
MGMT 315	Contemporary Leadership Theories	3
MGMT 409	Ethics, Values, and Differences	3
MGMT 407	Driving Change in Organizations	3
Total Credits		21

Human Resource Management

MGMT 310	Mediation, Negotiation, and Conflict Resolution	3
MGMT 314	Human Resource Management	3
MGMT 324	Aviation Labor Relations	3
MGMT 427	Management of the Multicultural Workforce	3
MGMT 482	Human Resources Training and Development	3
MGMT 483	Compensation and Benefits	3
MGMT 485	Staffing and Workforce Planning	3
Total Credits		21

Electives

Transfer Credit or Minor or COB Electives	12
Open Electives	15
Total Credits	27

Suggested Plan of Study

Year One

Requirements	Credits
COMM 122 - English Composition	3
Any College Algebra or higher math or any Statistics (Credit cannot be awarded for STAT 211 or STAT 222)	3
Semester Hours	6

Requirements	Credits
COMM 222 - Business Communication	3

STAT 211 - Statistics with Aviation Applications or 222 - Business Statistics	3
Semester Hours	6

Requirements	Credits
Physical/Life Sciences	3
Any Communication above COMM 106 Introduction to Composition	3

Semester Hours	6
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Requirements	Credits
ECON 210 - Microeconomics	3
MGMT 201 - Principles of Management	3

Semester Hours	6
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Requirements	Credits
ECON 211 - Macroeconomics	3
Humanities - Lower Level	3

Semester Hours	6
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Total Credits

Total Hours for All Requirements: 30

Year Two

Requirements	Credits
Physical/Life Sciences	3
ACCT 210 - Financial Accounting	3
Semester Hours	6

Requirements	Credits
ACCT 312 - Managerial Accounting	3
MGMT 317 - Organizational Behavior	3
Semester Hours	6

Requirements	Credits
FINE 332 - Corporate Finance I	3
MKTG 311 - Marketing	3
Semester Hours	6

Requirements	Credits
Computer Science/Information Technology	3
Humanities - Upper Level	3
Semester Hours	6

Requirements	Credits
MMIS 320 - Business Information Systems	3
Major Course	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 30

Year Three

Requirements	Credits
BUSA 335 - International Business	3
Major Course	3
Semester Hours	6

Requirements	Credits
Major Course	3
Major Course	3
Semester Hours	6

Requirements	Credits
Major Course	3
Major Course	3
Semester Hours	6

Requirements	Credits
Major Course	3
Transfer/Minor/COB Elective	3
Semester Hours	6

Requirements	Credits
Transfer/Minor/COB Elective	3
Transfer/Minor/COB Elective	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 30

Year Four

Requirements	Credits
BUSA 325 - Social Responsibility and Ethics in Management	3
Transfer/Minor/COB Elective	3
Semester Hours	6

Requirements	Credits
BUSA 390 - Business Law	3
Open Elective	3
Semester Hours	6

Requirements	Credits
SCLM 420 - Management of Production and Operations	3
Open Elective	3
Semester Hours	6

Requirements	Credits
MGMT 436 - Strategic Management	3
Open Elective	3
Semester Hours	6

Requirements	Credits
Open Elective	3
Open Elective	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 30

Estimated Cost of Attendance

Estimated Cost of Attendance: California Student Information (<https://catalog.erau.edu/student-life/student-affairs/california-student/>)