

Embry- Riddle Aeronautical University - Worldwide
 BS in Technical Management Program Plan File (PPF)
 Category I

Degree Requirements	Required Semester Credits	CCAF Transfer Credits	Course Credits to take at Institution
General Education	36	18	18
Communication Theory and Skills (9)			
ENGL 123 English Composition	3	3	
Speech/English	6	6	
Humanities (6)			
HUMN 330 Values and Ethics	3	3	
Humanities elective (lower or upper level)	3	3	
Social Sciences (6)			
ECON 210 Microeconomics	3		3
ECON 211 Macroeconomics	3		3
Physical and Life Science lower-level elective (6)			
Physics/Biology/Meteorology/Chemistry, etc.	3		3 ²
Physics/Biology/Meteorology/Chemistry, etc.	3		3 ²
Mathematics (6)			
MATH 111 Pre-calculus for Aviation –and-	3		3
MATH 112 Applied Calculus for Aviation –or- STAT 320 Decision Mathematics	3		3
Computer Science (3) Take one of the following courses to satisfy Computer Science requirements. The course used to satisfy the GenEd Computer Science requirement cannot also be used to satisfy a Core/Major or Minor requirement			
CSCI 109 Introduction to Computers and Applications –or- CSCI 123 Introduction to Computing for Data Analysis –or- CYBR 235 Computer and Network Technologies	3	3 ³	
Core/Major			
Technical Management Core	33	12	21
STAT 211 Statistics with Aviation Applications –or- STAT 222 Business Statistics	3		3 ⁴
MGMT 201 Principles of Management	3	3	
MGMT 221 Introduction to Management Information Systems	3	3 ³	
MGMT 311 Marketing	3		3
MGMT 312 Managerial Accounting	3		3
MGMT 314 Human Resource Management	3	3 ^{5&7}	
MGMT 332 Corporate Finance I	3		3
MGMT 371 Leadership	3	3 ⁵	

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MGMT 390 Business Law	3		3
MGMT 436 Strategic Management	3		3
RSCH 202 Introduction to Research Methods	3		3
Technical Management Major –OR-	21⁶		21⁶
MGMT 320 Business Information Systems	3		3
MGMT 321 Aviation/Aerospace Systems Analysis Methods	3		3
PMGT 391 Project Planning 1	3		3
MGMT 394 Information Security Management	3		3
MGMT 420 Management of Production and Operations	3		3
MGMT 444 Principles of Supply Chain Management	3		3
MGMT 449 Strategic Marketing Management	3		3
Aviation Management Major	21⁶		21⁶
MGMT 408 Airport Management	3		3
MGMT 419 Aviation Maintenance Management	3		3
BSAB 412 Airport Planning and Design	3		3
BSAB 415 Airline Management	3		3
BSAB 425 Trends and Current Problems in Air Transportation	3		3
BSAB 426 International Aviation Management	3		3
BSAB 450 Airline/Airport Marketing	3		3
Project Management Major –OR-	21⁶		21⁶
MGMT 321 Aviation/Aero Systems Analysis Methods	3		3
PMGT 391 Project Planning 1	3		3
PMGT 394 Project Planning 2	3		3
PMGT 400 Project Risk and Control	3		3
MGMT 420 Management of Production and Operations	3		3
Choose two courses from the following:			
PMGT 424 Project Management in Aviation Operations	3		3
PMGT 461 Global Project Management	3		3
PMGT 465 Managing Troubled Projects	3		3
PMGT 470 Agile Project Management	3		3
Management of Information Systems Major –OR-	21⁶		21⁶
Select seven of the following			
MGMT 321 Aviation/Aero Systems Analysis Methods	3		3
MGMT 385 Programming Concepts	3		3
MGMT 392 Database Management	3		3
MGMT 393 Computer Networks	3		3

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MGMT 394 Information Security Management	3		3
MGMT 422 Information Technology Management, Strategy and Governance	3		3
MGMT 428 Business Analytics & Data Intelligence	3		3
MGMT 492 Information Systems Project Management	3		3
MGMT 494 Aviation Information Systems	3		3
Information Security Major –OR-	21⁶		21⁶
MGMT 386 Fundamentals of Information Systems Security	3		3
Select six of the following	18		18
MGMT 387 Managing Risk in Information Systems			
MGMT 388 System Forensics, Investigation, and Response			
MGMT 389 Info Assurance and Information Quality			
MGMT 401 Information Security Policies			
MGMT 402 Legal Issues in Information Security			
MGMT 403 IT Audit and Control			
MGMT 404 Business Continuity & Disaster Recovery Planning			
Occupational Safety and Health Major –OR-	21⁶		21⁶
SFTY 311 Fundamentals of Occupational Safety and Health	3		3
SFTY 315 Environmental Compliance and Safety	3		3
SFTY 321 Ergonomics	3		3
SFTY 355 Industrial Hygiene and Toxicology	3		3
SFTY 360 Construction Safety	3		3
SFTY 365 Fire Protection	3		3
SFTY 410 Design of Engineering Hazard Controls –or- SFTY 420 Systems Design for Fire & Life Safety	3		3
Human Resources Management Major (See Note 7) – OR-	21⁶		21⁶
MGMT 314 Human Resources Management	3		3 ⁷
MGMT 317 Organizational Behavior	3		3
MGMT 324 Aviation Labor Relations	3		3
MGMT 427 Management of the Multicultural Workforce	3		3
MGMT 482 Human Resources Training and Development	3		3
MGMT 483 Compensation and Benefits	3		3
MGMT 495 Staffing and Workforce Planning	3		3
Electives			
Transfer Credit –or- COB Minor –or- Management Electives	12	12	0
If technical transfer credit is not applicable, the 12 hours can ONLY be used toward COB minors. If no minor is chosen, then any non-duplicated MGMT 200-300-400 level courses.		12 ⁸	

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Open Electives (upper or lower level)	18	18	0
Any undergraduate non-duplicated courses		18	
Total Credits Required: Bachelor of Science Degree	120	60	60

NOTES:

1. This degree will require no more than 60 SH to be taken with ERAU-Worldwide toward the declared AU-ABC program for students who have met the CCAF graduation requirements. For credit evaluation of courses taken at other academic institutions (not listed above), students should submit official transcripts with their admissions application. All previously earned credit (ERAU and otherwise) will be taken into consideration for course exemption decisions. After initial evaluation, no more than 60 additional ERAU credits will be required for completion of a Category I program.
2. PHYSICAL/LIFE SCIENCE ELECTIVE – may be awarded for any MET 1000-2000 level course or PHY1422 course meeting this requirement. If this transfer credit is not present 3-6 SH of Physics/Biology/Meteorology courses may be required, but no more than 60 SH will be required to complete the degree program.
3. Computer Courses – CSCI 109, CSCI 123, CYBR 235 & MGMT 221 – Transfer credit may be awarded, or these courses may be required if no transfer credit is present. If transfer credit is not awarded no more than 60 SH will be required to complete the degree program.
4. Math Courses – STAT 211 * STAT 222 - Transfer credit may be awarded, or these courses may be required if no transfer credit is present. If transfer credit is not awarded no more than 60 SH will be required to complete the degree program.
5. Management Courses – MGMT 314 & MGMT 371 - Transfer credit may be awarded, or these courses may be required if no transfer credit is present. If transfer credit is not awarded no more than 60 SH will be required to complete the degree program.
6. Select one (1) Major from one of the following: Technical Management Major, Information Security Major, Project Management Major, Management of Information Systems Major, Occupational Safety & Health Major, Human Resources Management Major, or Aviation Management Major.
7. Students in the Human Resources Management Major should complete MGMT-314 Human Resources Management before taking other courses in the Major. Students that select the Human Resources Management Major must take an additional upper level elective of their choice.
8. Elective Hours provided may be adjusted depending on the amount of transfer credit awarded for General Education & Core Requirements in addition to previous ERAU credit. If transfer credit is not awarded no more than 60 SH will be required to complete the degree program