

Minor Courses of Study

Minor courses of study are academic programs designed to satisfy students' personal interests and to meet their professional needs. Students explore, in some depth, the offerings in a field of study. A minor course of study provides the student with significant experience in a discipline organized around skills, methodology, and subject matter. Minor courses of study are posted on the academic transcript at the time of completion of the baccalaureate degree. Students are prohibited from declaring a minor for an associate degree.

To gain the greatest value from their academic experiences, students are encouraged to select minors that complement their degree program and/or other minors they are pursuing. Designed to include a minimum number of required courses, minors provide students, whenever possible, with flexibility in fulfilling program requirements.

A minor program does not provide the depth of knowledge and experience that a major does. All minors consist of 15-24 hours of coherent academic coursework under the following guidelines:

- At least six hours must be fulfilled at the upper level.
- Six hours of coursework applied to a minor must be completed at Embry-Riddle.
- At least three of those hours completed in residence must be at the upper level.
- No more than two substitutions (6 credits) are permitted in any minor. The Program Chair/Coordinator offering the minor must approve the substitutions.
- A minor may not be applied toward more than one baccalaureate degree.
- Students are prohibited from declaring a minor for an associate degree.
- When pursuing multiple minors, if the same course is required in more than one minor, the course may apply to all without requiring additional hours.
- Students must earn a 2.0 GPA or higher in the minor to complete that program of study successfully.
- Students become subject to the requirements of the minor as stated in the catalog in effect at the time the minor is declared.
- Some minor restrictions (<https://catalog.erau.edu/programs/undergraduate/minors/restrictions/>) apply when pursuing particular degree programs or areas of concentration.
- A minor must be in a discipline outside of the student's major field of study.
- Daytona Beach and Prescott students are encouraged to declare a minor by the beginning of their senior year.
- Worldwide & Online students must declare their intention to seek a minor(s) as early as possible, preferably at the time of admission.
- Worldwide & Online students may declare their intention to seek a minor later in their academic career, but not after the date on which their application for graduation is received by the Office of the Registrar.
- Students in the Daytona Beach Aerospace Engineering department must complete at least six credit hours of coursework applied to the minor that are not specifically required in the student's degree program
- Minor Restrictions (<https://catalog.erau.edu/programs/undergraduate/minors/restrictions/>)
- Minor in Advanced Air Mobility (<https://catalog.erau.edu/programs/undergraduate/minors/advanced-air-mobility/>)
- Minor in Aeronautical Studies (<https://catalog.erau.edu/programs/undergraduate/minors/aeronautical-studies/>)
- Minor in Aeronautics (<https://catalog.erau.edu/programs/undergraduate/minors/aeronautics/>)
- Minor in Aerospace Engineering (<https://catalog.erau.edu/programs/undergraduate/minors/aerospace-engineering/>)
- Minor in Air Cargo Management (<https://catalog.erau.edu/programs/undergraduate/minors/air-cargo/>)
- Minor in Air Traffic Control (<https://catalog.erau.edu/programs/undergraduate/minors/air-traffic-control/>)
- Minor in Air Traffic Management (<https://catalog.erau.edu/programs/undergraduate/minors/air-traffic-mgmt/>)
- Minor in Air Transportation (<https://catalog.erau.edu/programs/undergraduate/minors/air-transportation/>)
- Minor in Airline Operations (<https://catalog.erau.edu/programs/undergraduate/minors/airline-operations/>)
- Minor in Airport Management (<https://catalog.erau.edu/programs/undergraduate/minors/airport-management/>)
- Minor in Alternative Energy (<https://catalog.erau.edu/programs/undergraduate/minors/alternative-energy/>)
- Minor in Applications of Artificial Intelligence (<https://catalog.erau.edu/programs/undergraduate/minors/applications-artificial-intelligence/>)
- Minor in Applied Data Science (<https://catalog.erau.edu/programs/undergraduate/minors/applied-data-science/>)
- Minor in Applied Mathematics (<https://catalog.erau.edu/programs/undergraduate/minors/applied-mathematics/>)
- Minor in Applied Meteorology (<https://catalog.erau.edu/programs/undergraduate/minors/applied-meteorology/>)
- Minor in Arabic Studies (<https://catalog.erau.edu/programs/undergraduate/minors/arabic-studies/>)
- Minor in Artificial Intelligence, Ethics and Creativity (<https://catalog.erau.edu/programs/undergraduate/minors/artificial-intelligence-ethics-creativity/>)
- Minor in Astronautics (<https://catalog.erau.edu/programs/undergraduate/minors/astronautics/>)
- Minor in Astronomy and Astrophysics (<https://catalog.erau.edu/programs/undergraduate/minors/astronomy-astrophysics/>)
- Minor in Aviation Law (<https://catalog.erau.edu/programs/undergraduate/minors/aviation-law/>)
- Minor in Aviation Maintenance Operations (<https://catalog.erau.edu/programs/undergraduate/minors/aviation-maintenance-operations/>)
- Minor in Aviation Maintenance Science Airframe (<https://catalog.erau.edu/programs/undergraduate/minors/aviation-maintenance-science-airframe/>)
- Minor in Aviation Maintenance Science Powerplant (<https://catalog.erau.edu/programs/undergraduate/minors/aviation-maintenance-science-powerplant/>)
- Minor in Aviation Management (<https://catalog.erau.edu/programs/undergraduate/minors/aviation-management/>)
- Minor in Aviation Safety (<https://catalog.erau.edu/programs/undergraduate/minors/aviation-safety/>)
- Minor in Aviation Sustainability (<https://catalog.erau.edu/programs/undergraduate/minors/aviation-sustainability/>)
- Minor in Aviation, Technology, and Society (<https://catalog.erau.edu/programs/undergraduate/minors/aviation-technology-society/>)
- Minor in Avionics Line Maintenance (<https://catalog.erau.edu/programs/undergraduate/minors/avionics-line-maintenance/>)
- Minor in Bioastronautics (<https://catalog.erau.edu/programs/undergraduate/minors/bioastronautics/>)
- Minor in Biomedical Engineering (<https://catalog.erau.edu/programs/undergraduate/minors/biomedical-engineering/>)
- Minor in Biomedical Sciences (<https://catalog.erau.edu/programs/undergraduate/minors/biomedical-sciences/>)

2 Minor Courses of Study

- Minor in Business Administration (<https://catalog.erau.edu/programs/undergraduate/minors/business-administration/>)
- Minor in Business Aviation Operations (<https://catalog.erau.edu/programs/undergraduate/minors/business-aviation-operations/>)
- Minor in Chemistry (<https://catalog.erau.edu/programs/undergraduate/minors/chemistry/>)
- Minor in Chinese Studies (<https://catalog.erau.edu/programs/undergraduate/minors/chinese-studies/>)
- Minor in Communication (<https://catalog.erau.edu/programs/undergraduate/minors/communication/>)
- Minor in Communication and Broadcast Media (<https://catalog.erau.edu/programs/undergraduate/minors/communication-broadcast-media/>)
- Minor in Computational Mathematics (<https://catalog.erau.edu/programs/undergraduate/minors/computational-mathematics/>)
- Minor in Computer Aided Design/Computer Aided Manufacturing (<https://catalog.erau.edu/programs/undergraduate/minors/computer-aided-design-computer-aided-manufacturing/>)
- Minor in Computer Science (<https://catalog.erau.edu/programs/undergraduate/minors/computer-science/>)
- Minor in Criminal Justice (<https://catalog.erau.edu/programs/undergraduate/minors/criminal-justice/>)
- Minor in Crisis, Risk, and Resilience Communication (<https://catalog.erau.edu/programs/undergraduate/minors/crisis-risk-resilience-communication/>)
- Minor in Cyber Intelligence and Security (<https://catalog.erau.edu/programs/undergraduate/minors/cyber-intelligence-security/>)
- Minor in Cybersecurity Application and Management (<https://catalog.erau.edu/programs/undergraduate/minors/cybersecurity-application-and-management/>)
- Minor in Cybersecurity Engineering (<https://catalog.erau.edu/programs/undergraduate/minors/cyber-security-engineering/>)
- Minor in Data Science (<https://catalog.erau.edu/programs/undergraduate/minors/data-science/>)
- Minor in Defense Studies (<https://catalog.erau.edu/programs/undergraduate/minors/defense-studies/>)
- Minor in Economics (<https://catalog.erau.edu/programs/undergraduate/minors/economics/>)
- Minor in Economics and Finance (<https://catalog.erau.edu/programs/undergraduate/minors/economics-finance/>)
- Minor in Electrical and Computer Engineering (<https://catalog.erau.edu/programs/undergraduate/minors/electrical-and-computer-engineering/>)
- Minor in Emergency Management (<https://catalog.erau.edu/programs/undergraduate/minors/emergency-management/>)
- Minor in Emergency Services (<https://catalog.erau.edu/programs/undergraduate/minors/emergency-services/>)
- Minor in Engineering Fundamentals (<https://catalog.erau.edu/programs/undergraduate/minors/engineering-fundamentals/>)
- Minor in Engineering Sciences (<https://catalog.erau.edu/programs/undergraduate/minors/engineering-sciences/>)
- Minor in Entrepreneurship (<https://catalog.erau.edu/programs/undergraduate/minors/entrepreneurship/>)
- Minor in Environmental Science (<https://catalog.erau.edu/programs/undergraduate/minors/environmental-sci/>)
- Minor in Finance (<https://catalog.erau.edu/programs/undergraduate/minors/finance/>)
- Minor in Flight (<https://catalog.erau.edu/programs/undergraduate/minors/flight/>)
- Minor in Flight Test and Simulation (<https://catalog.erau.edu/programs/undergraduate/minors/flight-test-sim/>)
- Minor in Forensic Accounting & Fraud Examination (<https://catalog.erau.edu/programs/undergraduate/minors/forensic-accounting-fraud-examination/>)
- Minor in Forensic Biology (<https://catalog.erau.edu/programs/undergraduate/minors/forensic-biology/>)
- Minor in Geographic Information Systems (<https://catalog.erau.edu/programs/undergraduate/minors/geographic-information-systems/>)
- Minor in Global Conflict Studies (<https://catalog.erau.edu/programs/undergraduate/minors/global-conflict-studies/>)
- Minor in Helicopter Operations and Safety (<https://catalog.erau.edu/programs/undergraduate/minors/helicopter-operations-safety/>)
- Minor in Homeland Security (<https://catalog.erau.edu/programs/undergraduate/minors/homeland-security/>)
- Minor in Human Factors (<https://catalog.erau.edu/programs/undergraduate/minors/human-factors/>)
- Minor in Human Resources (<https://catalog.erau.edu/programs/undergraduate/minors/human-resources/>)
- Minor in Humanistic STEM (<https://catalog.erau.edu/programs/undergraduate/minors/humanistic-stem/>)
- Minor in Humanities (<https://catalog.erau.edu/programs/undergraduate/minors/humanities/>)
- Minor in Industrial/Organizational Psychology (<https://catalog.erau.edu/programs/undergraduate/minors/industrial-organizational-psychology/>)
- Minor in Intelligence (<https://catalog.erau.edu/programs/undergraduate/minors/intelligence/>)
- Minor in International History (<https://catalog.erau.edu/programs/undergraduate/minors/international-history/>)
- Minor in International Relations (<https://catalog.erau.edu/programs/undergraduate/minors/international-relations/>)
- Minor in Latin American Studies (<https://catalog.erau.edu/programs/undergraduate/minors/latin-american-studies/>)
- Minor in Leadership (<https://catalog.erau.edu/programs/undergraduate/minors/leadership/>)
- Minor in Logistics Management (<https://catalog.erau.edu/programs/undergraduate/minors/logistics-management/>)
- Minor in Management (<https://catalog.erau.edu/programs/undergraduate/minors/management/>)
- Minor in Management Information Systems (<https://catalog.erau.edu/programs/undergraduate/minors/management-information-systems/>)
- Minor in Marketing (<https://catalog.erau.edu/programs/undergraduate/minors/marketing/>)
- Minor in Mechanical Engineering (<https://catalog.erau.edu/programs/undergraduate/minors/mechanical-engineering/>)
- Minor in Military Science (<https://catalog.erau.edu/programs/undergraduate/minors/military-science/>)
- Minor in Occupational Safety and Health (<https://catalog.erau.edu/programs/undergraduate/minors/occupational-safety/>)
- Minor in Physics (<https://catalog.erau.edu/programs/undergraduate/minors/physics/>)
- Minor in Project Management (<https://catalog.erau.edu/programs/undergraduate/minors/project-management/>)
- Minor in Propulsion (<https://catalog.erau.edu/programs/undergraduate/minors/propulsion/>)
- Minor in Psychology (<https://catalog.erau.edu/programs/undergraduate/minors/psychology/>)
- Minor in Research Foundations (<https://catalog.erau.edu/programs/undergraduate/minors/research-foundations/>)
- Minor in Robotic Systems (<https://catalog.erau.edu/programs/undergraduate/minors/robotic-systems/>)

- Minor in Robotics (<https://catalog.erau.edu/programs/undergraduate/minors/robotics/>)
- Minor in Russian Studies (<https://catalog.erau.edu/programs/undergraduate/minors/russian-studies/>)
- Minor in Science Literacy (<https://catalog.erau.edu/programs/undergraduate/minors/science-literacy/>)
- Minor in Security and Intelligence (<https://catalog.erau.edu/programs/undergraduate/minors/security-intelligence/>)
- Minor in Small Uncrewed Aircraft Systems (sUAS) Operation (<https://catalog.erau.edu/programs/undergraduate/minors/suas/>)
- Minor in Space Operations (<https://catalog.erau.edu/programs/undergraduate/minors/space-operations/>)
- Minor in Space Physics (<https://catalog.erau.edu/programs/undergraduate/minors/space-physics/>)
- Minor in Space Policy, History, and Culture (<https://catalog.erau.edu/programs/undergraduate/minors/space-policy-history-culture/>)
- Minor in Spanish Studies (<https://catalog.erau.edu/programs/undergraduate/minors/spanish-studies/>)
- Minor in Supply Chain Management in Aviation and Aerospace (<https://catalog.erau.edu/programs/undergraduate/minors/supply-chain-management-aviation-and-aerospace/>)
- Minor in Systems Engineering (<https://catalog.erau.edu/programs/undergraduate/minors/systems-engineering/>)
- Minor in Technical Management (<https://catalog.erau.edu/programs/undergraduate/minors/technical-management/>)
- Minor in Terrorism Studies (<https://catalog.erau.edu/programs/undergraduate/minors/terrorism-studies/>)
- Minor in Uncrewed Aircraft Systems (UAS) for Public Safety (<https://catalog.erau.edu/programs/undergraduate/minors/uas-public-safety/>)
- Minor in Uncrewed and Autonomous Systems (<https://catalog.erau.edu/programs/undergraduate/minors/uncrewed-autonomous-systems/>)