

B.S. in Aeronautics

Students will:

- Show evidence of the basic concepts in national and international legislation and law as they pertain to the aviation, aerospace, and aeronautics industries.
- Show evidence of sound, ethical, management principles within standard aviation, aerospace, and aeronautics operations.
- Show evidence of basic concepts in aviation safety as they pertain to the aviation, aerospace, and aeronautics industry.
- Apply advanced concepts of aviation, aerospace and aeronautical science to solve problems in the aviation/aerospace industry.
- Communicate concepts in written, digital, and oral forms for technical and non-technical audiences.
- Synthesize and apply knowledge to define and solve problems in professional and personal environments.
- Analyze historical events, cultures, cultural artifacts, social issues, and philosophical concepts.
- Conduct meaningful research, gathering information from primary and secondary sources, and incorporating and documenting source material in their writing.
- Use digitally-enabled technology and mathematical analysis to interpret data, draw valid conclusions, and solve mathematical and economic problems.
- Work effectively with others on diverse teams to produce quality written documents, oral presentations, and/or meaningful projects, assist in organizing shared tasks, contribute actively to groups, and resolve conflicts.
- Select, use, manage, and evaluate technologies, understand their functions, constraints, trade-offs, and societal impact, and apply or integrate these technologies in solving practical problems.