

Aviation Science

Aviation Science

The Aviation Science department is in the [Scott M. Smith College of Engineering](#). To find the most up-to-date information, including Program Learning Outcomes for degree programs offered by the Aviation Science department, visit their website.

[Aviation Science department](#)

DEPARTMENT CHAIR

LEICK, Ryan *Associate Professor*

FACULTY

CHAMBERLAIN, Cory *Associate Professor*

HOLLISTER, Michael L. *Lecturer*

LEICK, Ryan *Associate Professor*

LEY, Stephen *Associate Professor*

SILCOX, Fiona *Assistant Professor*

SUTLIFF, Daniel *Professional in Residence*

TROUTT, Jack *Assistant Professor*

WILLIAMS, Brice *Associate Professor*

Degrees & Programs

Aviation Science, A.A.S.

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Requirements

The Applied Associates of Science in Professional Pilot prepares students to enter the workforce as a commercial pilot. Students receive specific training under Federal Aviation Administration (FAA) 14 CFR Part 141 and Restricted Air Transport Pilot (R-ATP) regulations to qualify for specialized employment requirements. Delivery focuses on technical training and applied exercises providing the knowledge and skills required for several licenses and ratings.

Total Program Credits: 63

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| Matriculation Requirements: | | |
| Students seeking admission to the program will be required to meet the following admission requirements. | | |
| 1. Hold a second class FFA medical certificate from an Aviation Medical Examiner. | | |
| 2. An overall GPA of at least 2.5 | | |
| 3. Due to limited availability of flight training resources, flight student admission into the on-campus AVSC 100 Ground I - Private and AVSC 1110 Flight I - Private course, when necessary, may require selection through a competitive application process. | | |
| General Education Requirements: | | 18 Credits |
| | ENGL 1010 Introduction to Academic Writing CC | 3 |
| or | ENGL 1005 Literacies and Composition Across Contexts CC | |
| Complete one of the following: | | 3 |
| | MAT 1030 Quantitative Reasoning QL (3) | |

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| | MAT 1035 Quantitative Reasoning with Integrated Algebra QL (6) | |
| | STAT 1040 Introduction to Statistics QL (3) | |
| | STAT 1045 Introduction to Statistics with Algebra QL (5) | |
| | MATH 1055 College Algebra with Preliminaries QL (5) | |
| | MATH 1090 College Algebra for Business QL (3) | |
| Social/Behavioral Science | | 3 |
| Complete three courses with no more than one from any of the following GE distributions | | 9 |
| American Institutions * | | |
| Physical Science | | |
| Additional Physical Science or Biology ** | | |
| Humanities Distribution | | |
| Fine Arts Distribution | | |
| Discipline Core Requirements: | | 45 Credits |
| | AVSC 1010 Survey of Aviation Science | 3 |
| | AVSC 1100 Ground I - Private | 3 |
| | AVSC 1110 Flight I - Private | 3 |
| | AVSC 1240 Ground II - Instrument | 3 |
| | AVSC 1250 Flight II - Instrument II | 3 |
| | AVSC 2070 Communications for Aviation Professionals WE | 3 |
| | AVSC 2110 Aviation Weather | 3 |
| | AVSC 2130 Aviation Safety | 3 |
| | AVSC 2150 Air Transportation Management | 3 |
| | AVSC 2300 Ground IV - Commercial | 3 |
| | AVSC 2310 Flight IV - Commercial | 3 |
| Elective Credits | | 12 |
| Notes: | | |
| *If student chooses HIST 2700 US History to 1877 AS and HIST 2710 US History since 1877 AS, the additional hours may be used towards a social science distribution requirement. | | |
| **METO 1010 Introduction to Meteorology PP recommended. | | |

Graduation Requirements:

1. Completion of a minimum of 63 or more semester credits.
2. Overall grade point average of 2.0 (C) or above. Aviation courses require a C- or above.
3. Residency hours--minimum of 20 credit hours through course attendance at UVU.
4. Completion of Commercial Pilot Certificate.

Aviation Science, A.A.S.

Careers

1. Demonstrate knowledge of FAA written exam material with score of 80% or above.
2. Students will satisfactorily demonstrate knowledge, maneuvers and skills of an instrument rated commercial, multi-engine pilot to FAA standards.
3. Students will manage all available equipment, systems and people in normal and emergency operations while mitigating threats and errors.

Aviation Science

- Students will self-critique ability to gather available data, identify possible courses of action, evaluate risk inherent in each course of action and make appropriate decisions.
- Students will produce professional quality reports and effectively present the information to an audience using appropriate technology.

Related Careers

- Airline Pilots, Copilots, and Flight Engineers
- Commercial Pilots

Aviation Science, A.S.

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Requirements

The A.S. degree is designed to prepare the student with all the ratings necessary to be qualified for entry-level jobs in the aviation field. Obtaining an associate degree helps the graduate prepare for a diversity of job-related responsibilities and prepares students to enter directly into the B.S. degree.

Total Program Credits: 62

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| General Education Requirements: | | 35 Credits |
| | ENGL 1010 Introduction to Academic Writing CC | 3 |
| or | ENGL 1005 Literacies and Composition Across Contexts CC (5) | |
| | ENGL 2010 Intermediate Academic Writing CC | 3 |
| Complete one of the following: | | 3 |
| | MAT 1030 Quantitative Reasoning QL (3) (recommended for Humanities or Arts majors) | |
| | MAT 1035 Quantitative Reasoning with Integrated Algebra QL (6) | |
| | STAT 1040 Introduction to Statistics QL (3) | |
| | STAT 1045 Introduction to Statistics with Algebra QL (5) | |
| | MATH 1050 College Algebra QL(4) (recommended for Business, Education, Science, and Health Professions majors) | |
| | MATH 1055 College Algebra with Preliminaries QL (5) | |
| | MATH 1090 College Algebra for Business QL (3) | |
| Complete one of the following: | | 3 |
| | HIST 2700 US History to 1877 AS (3) | |
| and | HIST 2710 US History since 1877 AS (3) ¹ | |
| | HIST 1700 American Civilization AS (3) | |
| | HIST 1740 US Economic History AS (3) | |
| | POLS 1000 American Heritage SS (3) | |
| | POLS 1100 American National Government AS (3) | |
| Complete the following: | | |
| | PHIL 2050 Ethics and Values IH | 3 |
| | HLTH 1100 Personal Health and Wellness TE (2) | |
| or | EXSC 1097 Fitness for Life TE | 2 |

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| Distribution Courses: | | | |
| | Biology | | 3 |
| | Physical Science² | | 3 |
| | Additional Biology or Physical Science³ | | 3 |
| | Humanities Distribution⁴ | | 3 |
| | Fine Arts Distribution | | 3 |
| | Social/Behavioral Science⁵ | | 3 |
| Discipline Core Requirements: | | | 18 Credits |
| | AVSC 1010 Survey of Aviation Science | | 3 |
| or | AVSC 1050 Introduction to Aviation Management (3) | | |
| | AVSC 1100 Ground I - Private | | 3 |
| | AVSC 2070 Communications for Aviation Professionals WE | | 3 |
| or | MKTG 220G Written Business Communication GI WE (3) | | |
| | AVSC 2110 Aviation Weather | | 3 |
| | AVSC 2130 Aviation Safety | | 3 |
| | AVSC 2150 Air Transportation Management | | 3 |
| Elective Requirements: | | | 9 Credits |
| | Elective credits | | 9 |

Graduation Requirements:

- Completion of a minimum of 62 or more semester credits.
- Overall grade point average of 2.0 (C) or above. Aviation courses require a C- or above. (Departments may require a higher GPA.)
- Residency hours--minimum of 20 credit hours through course attendance at UVU.
- Completion of GE and specified departmental requirements.

Footnotes

- If student chooses HIST 2700 and HIST 2710 as the additional hours may be used towards a social science distribution requirement.
- PHYS 1850 The Physics of Aviation PP recommended
- METO 1010 Introduction to Meteorology PP recommended
- COMM 1020 Public Speaking HH recommended
- PSY 1010 General Psychology SS recommended

Aviation Science, A.S.

Careers

- Demonstrate knowledge of FAA written exam material with score of 80% or above
- Students will satisfactory demonstrate knowledge, maneuvers and skills of an instrument rated commercial, multi-engine pilot to FAA standards.
- Students will manage all available equipment, systems and people in normal and emergency operations while mitigating threats and errors.
- Students will self-critique ability to gather available data, identify possible courses of action, evaluate risk inherent in each course of action and make appropriate decisions.
- Students will produce professional quality reports and effectively present the information to an audience using appropriate technology.

Related Careers

- Airline Pilots, Copilots, and Flight Engineers
- Commercial Pilots

Aviation Science, Certificate of Proficiency

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Requirements

The Certificate of Proficiency in Aviation Science is available for all UVU students with an aviation particular focus designed to provide high school students an opportunity to obtain a stackable certificate of proficiency with an emphasis in career and technical education while still enrolled in high school. This certificate is available from the University for college students/adults looking for basic entry-level skills leading to further academic advancement.

Total Program Credits: 15

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|--------------------------------|---|------------|
| Discipline Core Requirements: | | 15 Credits |
| | ENGL 1010 Introduction to Academic Writing CC | 3 |
| or | ENGH 1005 Literacies and Composition Across Contexts CC (5) | |
| | HIST 1700 American Civilization AS | 3 |
| Complete one of the following: | | 3 |
| | MAT 1030 Quantitative Reasoning QL | |
| | MAT 1035 Quantitative Reasoning with Integrated Algebra QL | |
| | STAT 1040 Introduction to Statistics QL | |
| | STAT 1045 Introduction to Statistics with Algebra QL | |
| | MATH 1050 College Algebra QL | |
| | MATH 1055 College Algebra with Preliminaries QL | |
| | MATH 1090 College Algebra for Business QL | |
| | AVSC 1010 Survey of Aviation Science QL | 3 |
| Complete one of the following: | | 3 |
| | AVSC 1100 Ground I - Private | |
| | AVSC 2110 Aviation Weather | |
| | AVSC 2150 Air Transportation Management | |

Graduation Requirements:

1. Overall grade point average of 2.0 (C) or above.
2. Completion of 16 credit hours in subjects included in the course list.
3. All courses must be completed with a grade of C- or better.

Aviation Science, Certificate of Proficiency Careers

1. Investigate aviation/aerospace career opportunities and associated skills required in aviation preparation for aviation employment.
2. Identify aviation applications including aerospace technology and terminology.
3. Explain the aerodynamic principles of flight that affect aircraft operation.
4. Apply knowledge of pilotage, dead reckoning, and radio navigation in conjunction with the aeronautical charts, plotters,

flight computers, and flight publications necessary for cross-country flight.

Related Careers

- Airline Pilots, Copilots, and Flight Engineers
- Commercial Pilots

Aerospace Technology Management, B.S.

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Requirements

The BS in Aerospace Technology Management from Utah Valley University is designed to prepare graduates for various technical aerospace professional roles across a products life cycle. Skills associated with air and space vehicle sustainability systems and risk management, customer management, project management, aftermarket services, business development, manufacturing and inspection processes, safety management systems, and process improvement will be learned and applied. The program will provide a completion degree for students who possess the Airframe and Powerplant ratings of an FAA issued Aircraft Maintenance Technician Certificate under the rules defined by FAR Part 65 or possess a license as an Aircraft Maintenance Engineer (Cat B1) issued under EASA Part 66 regulations.

Total Program Credits: 123

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| Matriculation Requirements: | | | |
| Completion of a Technical Specialty associated with FAA issued Airframe & Powerplant Maintenance Technician Certificate issued under rules of FAR Part 65 OR Completion of an Associates in Science or an Associates of Applied Science Degree from a regionally accredited institution of higher education with a designated technical specialty associated with FAA issued Airframe & Powerplant Maintenance Technician Certificate issued under the rules of FAR Part 147 OR possess a license as an Aircraft Maintenance Engineer (AME) (Cat B1) issued under EASA Part 66 regulations. A total not to exceed 45 credit hours will be awarded for evidence of the possession of the A&P or AME certificate. | | | |
| General Education Requirements | | 35 Credits | |
| | ENGL 1010 Introduction to Academic Writing CC | | 3 |
| or | ENGH 1005 Literacies and Composition Across Context CC (5.0) | | |
| | ENGL 2010 Intermediate Academic Writing CC | | 3 |
| Complete one of the following: | | 3 | |
| | MAT 1030 Quantitative Reasoning QL (3.0) | | |
| | MAT 1035 Quantitative Reasoning with Integrated Algebra QL (6.0) | | |
| | STAT 1040 Introduction to Statistics QL (3.0) | | |
| | STAT 1045 Introduction to Statistics with Algebra QL (5.0) | | |
| | MATH 1050 College Algebra QL (4.0) | | |
| | MATH 1055 College Algebra with Preliminaries QL (5.0) | | |
| | MATH 1090 College Algebra for Business QL (3.0) | | |
| Complete one of the following: | | 3 | |
| | POLS 1000 American Heritage SS (3.0) | | |
| | POLS 1100 American National Government AS (3.0) | | |

Aviation Science

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|---|-----------|---|------------|
| | HIST 1700 | American Civilization AS (3.0) | |
| | HIST 1740 | US Economic History AS (3.0) | |
| | HIST 2700 | US History to 1877 AS (3.0) | |
| and | HIST 2710 | US History since 1877 AS (3.0) | |
| Complete the following: | | | |
| | PHIL 2050 | Ethics and Values IH | 3 |
| | HLTH 1100 | Personal Health and Wellness TE (2.0) | |
| or | EXSC 1097 | Fitness for Life TE | 2 |
| Distribution Courses: | | | |
| Biology | | | 3 |
| Physical Science (PHYS 1850 recommended) | | | 3 |
| Humanities (ENGL 2100 recommended) | | | 3 |
| Fine Arts | | | 3 |
| Social/Behavioral Science | | | 3 |
| Additional Biology or Physical Science (TECH 1010 or METO 1010 recommended) | | | 3 |
| Technical Core Requirement | | | 45 Credits |
| Completion of a Technical Specialty associated with FAA issued Airframe & Powerplant Maintenance Technician Certificate issued under rules of FAR Part 65 OR Completion of an Associates in Science or an Associates of Applied Science Degree from a regionally accredited institution of higher education with a designated technical specialty associated with FAA issued Airframe & Powerplant Maintenance Technician Certificate issued under the rules of FAR Part 147 OR possess a license as an Aircraft Maintenance Engineer (AME) (Cat B1) issued under EASA Part 66 regulations. A total not to exceed 45 credit hours will be awarded for evidence of the possession of the A&P or AME certificate. | | | 45 |
| Discipline Core Requirements | | | 30 Credits |
| | TECH 3400 | Project Management WE | 3 |
| | TECH 3850 | Quality Management in Technology | 3 |
| | AVSC 2150 | Air Transportation Management | 3 |
| | AVSC 3320 | Aviation Managerial Accounting | 3 |
| | AVSC 4500 | Aerospace Aftermarket Support Services | 3 |
| | AVSC 4550 | Aerospace Vehicle Certification-Reliability-Maintainability Systems | 3 |
| | AVSC 4950 | Aerospace Technology Management Capstone Project WE | 3 |
| | AVSC 410G | Global Ethical and Professional Issues in Aviation GI | 3 |
| Complete (2) of the following: | | | 6 |
| | AVSC 3100 | Corporate Aviation Management (3) | |
| | AVSC 3020 | Aviation Insurance and Risk Management (3) | |
| | AVSC 3090 | Airline and Dispatch Operations (3) | |
| | AVSC 3310 | Aviation Logistics Management (3) | |
| | AVSC 3150 | Principles of Aviation Management (3) | |
| | AVSC 3350 | Aviation Labor and Human Resource (3) | |
| | AVSC 4160 | Aviation Law WE (3) | |

| | |
|------------------------------------|------------|
| Elective Requirements | 13 Credits |
| Complete 13 upper division credits | 13 |

Graduation Requirements:

1. Completion of a minimum of 123 semester credits.
2. Overall grade point average of 2.0 (C) or above.
3. No grade lower than a C- in any AVSC or TECH course.
4. Residency hours - Minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
5. Completion of GE and specified departmental requirements.
6. Successful completion of at least one (1) Global/Intercultural course.

Aerospace Technology Management, B.S. Careers

Program Learning Outcomes

1. Evaluate current market conditions, customer requirements, and aerospace vehicle support requirements, and demonstrate the knowledge, skills, and procedures to successfully design an effective aerospace support organization in a simulated aerospace operations setting.
2. Identify in a teams setting a current issue and propose a viable solution through a formal report and presentation that will be associated with topics involving aerospace vehicles (or component) certification standards, regulatory requirements, maintenance planning, safety management, and training within one of the aerospace sectors.
3. Synthesize acquired knowledge, judgment, and expertise in an operational setting.

Related Careers

- Aerospace Engineering and Operations Technicians

Aviation Management, B.S.

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Requirements

This degree is designed to develop practical leadership skills for a variety of careers in the aviation industry. Courses are based on real world aviation needs and are developed through ties with industry experts. The curriculum will prepare students with a broad range of knowledge and skills, including airline and airport management, aviation security and safety, marketing, aviation finance, human resources, and many others.

Total Program Credits: 120

| | | | |
|--|-----------|---|------------|
| Matriculation Requirements: | | | |
| Students seeking admission to the program will be required to meet the following admissions requirements: | | | |
| <ol style="list-style-type: none"> 1. Completion of ENGL 1010 or ENGH 1005 and 25 aviation credits with a grade of C+ or higher 2. Overall GPA of at least 2.5 | | | |
| General Education Requirements: | | | 35 Credits |
| | ENGL 1010 | Introduction to Academic Writing CC | 3 |
| or | ENGH 1005 | Literacies and Composition Across Contexts CC (5) | |
| | ENGL 2010 | Intermediate Academic Writing CC | 3 |

| | | |
|--------------------------------|---|------------|
| Complete one of the following: | | 3 |
| MAT 1030 | Quantitative Reasoning QL (3) | |
| MAT 1035 | Quantitative Reasoning with Integrated Algebra QL (6) | |
| MATH 1050 | College Algebra QL (4) | |
| MATH 1055 | College Algebra with Preliminaries QL (5) | |
| MATH 1090 | College Algebra for Business QL (3) | |
| STAT 1040 | Introduction to Statistics QL (3) | |
| STAT 1045 | Introduction to Statistics with Algebra QL (5) | |
| Complete one of the following: | | 3 |
| POLS 1000 | American Heritage SS (3) | |
| POLS 1100 | American National Government AS (3) | |
| HIST 1700 | American Civilization AS (3) | |
| HIST 1740 | US Economic History AS (3) | |
| HIST 2700 | US History to 1877 AS (3) ¹ | |
| and HIST 2710 | US History since 1877 AS (3) ¹ | |
| Complete the following: | | |
| PHIL 2050 | Ethics and Values IH | 3 |
| HLTH 1100 | Personal Health and Wellness TE (2) | |
| or EXSC 1097 | Fitness for Life TE | 2 |
| | Biology (BIOL 1010 recommended) | 3 |
| | Physical Science ² | 3 |
| | Additional Biology or Physical Science ³ | 3 |
| | Humanities Distribution ⁴ | 3 |
| | Fine Arts Distribution | 3 |
| | Social/Behavioral Science ⁵ | 3 |
| Discipline Core Requirements: | | 85 Credits |
| AVSC 1010 | Survey of Aviation Science | 3 |
| or AVSC 1050 | Introduction to Aviation Management (3) | |
| AVSC 1100 | Ground I - Private | 3 |
| AVSC 2070 | Communications for Aviation Professionals WE | 3 |
| or MKTG 220G | Written Business Communication GI WE (3) | |
| AVSC 2090 | Air Transport Economics | 3 |
| or ECON 2020 | Principles of Economics II SS (3) | |
| AVSC 2110 | Aviation Weather | 3 |
| AVSC 2130 | Aviation Safety | 3 |
| AVSC 2150 | Air Transportation Management | 3 |
| AVSC 2180 | Managing Technology in Aviation | 3 |
| AVSC 2250 | Aviation Business Statistics | 3 |
| AVSC 2710 | Aviation Marketing | 3 |
| AVSC 3020 | Aviation Insurance and Risk Management | 3 |
| AVSC 3030 | Air Traffic Control I | 3 |

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| AVSC 3060 | Airline Management | 3 |
| AVSC 3090 | Airline and Dispatch Operations | 3 |
| AVSC 3100 | Corporate Aviation Management | 3 |
| AVSC 3120 | Airport Management | 3 |
| AVSC 3150 | Principles of Aviation Management | 3 |
| AVSC 3320 | Aviation Managerial Accounting | 3 |
| or ACC 3000 | Financial Managerial and Cost Accounting Concepts (3) | |
| AVSC 4020 | Applied Aviation Finance | 3 |
| AVSC 410G | Global Ethical and Professional Issues in Aviation GI | 3 |
| AVSC 4160 | Aviation Law WE | 3 |
| AVSC 4700 | Aviation Professional Seminars | 3 |
| AVSC 4710 | Aviation Career Preparation | 1 |
| AVSC 4900 | Strategic Aviation Management Capstone | 3 |
| Elective Requirements: | | 15 Credits |
| Must complete 15 credits. | | 15 |

Graduation Requirements:

1. Completion of a minimum of 120 or more semester credits, with a minimum of 40 upper division semester credits.
2. Overall grade point average of 2.0 (C) or above. Aviation courses require a C- or above. (Departments may require a higher GPA.)
3. Residency hours--minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
4. Students may count no more than 8 credit hours of total cooperative work experience (AVSC 281R/AVSC 285R /AVSC 481R/AVSC 485R toward the degree requirement without department approval.
5. Successful completion of at least one Global/Intercultural course.

Footnote:

- 1- If student chooses HIST 2700 and HIST 2710, the additional hours may be used towards a social science distribution requirement.
- 2-PHYS 1010 Elementary Physics PP recommended
- 3-METO 1010 Introduction to Meteorology PP recommended
- 4-COMM 1020 Public Speaking HH recommended
- 5-PSY 1010 General Psychology SS recommended

Aviation Management, B.S. Careers

Program Learning Outcomes

1. Evaluate current market conditions and demonstrate the knowledge, skills, and procedures to successfully manage aerospace operations in a simulated aviation business setting.
2. In a team setting, students will create a viable business plan that includes business overview, market analysis, sales and marketing plan, ownership and management plan, operating and financial plan.
3. Synthesize acquired knowledge, judgment, and expertise in a business setting.

Related Careers

- Transportation, Storage, and Distribution Managers

Professional Pilot, B.S.

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Requirements

The Bachelor of Science in Professional Pilot prepares students to enter the work force as a certified flight instructor and commercial, multi-engine rated pilot. Students receive specific training under Federal Aviation Administration (FAA) 14 CFR Part 141 and Restricted Air Transport Pilot (R-ATP) regulations to qualify for specialized employment requirements with a regional airline. Delivery focuses on technical training and applied exercises providing the knowledge and skills required for several licenses and ratings.

Total Program Credits: 120

| | | |
|--|--|------------|
| Matriculation Requirements: | | |
| Students seeking admission to the program will be required to meet the following admission requirements: | | |
| <ol style="list-style-type: none"> 1. Hold a second class FAA medical certificate from an FAA designated Medical. 2. An overall GPA of at least 2.5. 3. Due to limited availability of flight training resources, flight student admission into the on-campus AVSC 1110 Flight I - Private Pilot course, when necessary, may require selection through a competitive point based application. | | |
| General Education Requirements: | | 35 Credits |
| | ENGL 1010 Introduction to Academic Writing CC | 3 |
| or | ENGH 1005 Literacies and Composition Across Contexts CC (5) | |
| | ENGL 2010 Intermediate Academic Writing CC | 3 |
| Complete one of the following: | | 3 |
| | MAT 1030 Quantitative Reasoning QL (3) (recommended for Humanities or Arts majors) | |
| | MAT 1035 Quantitative Reasoning with Integrated Algebra QL (6) | |
| | MATH 1050 College Algebra QL (4) (recommended for Business, Education, Science, and Health Professions majors) | |
| | MATH 1055 College Algebra with Preliminaries QL (5) | |
| | STAT 1040 Introduction to Statistics QL (3) | |
| | STAT 1045 Introduction to Statistics with Algebra QL (5) | |
| Complete one of the following: | | 3 |
| | HIST 2700 US History to 1877 AS (3) | |
| and | HIST 2710 US History since 1877 AS (3) ¹ | |
| | HIST 1700 American Civilization AS (3) | |
| | HIST 1740 US Economic History AS (3) | |
| | POLS 1000 American Heritage SS (3) | |
| | POLS 1100 American National Government AS (3) | |
| Complete the following: | | |
| | PHIL 2050 Ethics and Values IH | 3 |
| | HLTH 1100 Personal Health and Wellness TE (2) | |

| | | |
|---------------------------------|---|------------|
| or | EXSC 1097 Fitness for Life TE | 2 |
| Distribution Courses: | | |
| | Biology | 3 |
| | Physical Science | 3 |
| | Additional Biology or Physical Science ² | 3 |
| | Humanities Distribution ³ | 3 |
| | Fine Arts Distribution | 3 |
| | Social/Behavioral Science ⁴ | 3 |
| Discipline Core Requirements: | | 68 Credits |
| | AVSC 1010 Survey of Aviation Science | 3 |
| | AVSC 1100 Ground I - Private | 3 |
| | AVSC 1110 Flight I - Private | 3 |
| | AVSC 1240 Ground II - Instrument | 3 |
| | AVSC 1250 Flight II - Instrument II | 3 |
| | AVSC 2070 Communications for Aviation Professionals WE | 3 |
| | AVSC 2110 Aviation Weather | 3 |
| | AVSC 2130 Aviation Safety | 3 |
| | AVSC 2150 Air Transportation Management | 3 |
| | AVSC 2300 Ground IV - Commercial | 3 |
| | AVSC 2310 Flight IV - Commercial | 3 |
| | AVSC 2450 Flight III - Multi Engine | 1 |
| | AVSC 2440 Ground III - Multi Engine | 1 |
| | AVSC 3090 Airline and Dispatch Operation | 3 |
| | AVSC 3030 Air Traffic Control I | 3 |
| | AVSC 3200 Flight Physiology | 3 |
| | AVSC 3300 Jet Transport Systems | 3 |
| | AVSC 3400 International Flight Operations | 3 |
| | AVSC 3530 Flight Aerodynamic | 3 |
| | AVSC 3600 Multi-piloted Operations | 3 |
| | AVSC 410G Global Ethical and Professional Issues in Aviation GI | 3 |
| | AVSC 4700 Aviation Professional Seminars | 3 |
| | AVSC 4160 Aviation Law WE | 3 |
| | AVSC 4800 Professional Pilot Capstone | 3 |
| Elective Requirements: | | 17 Credits |
| Upper division elective credits | | 9 |
| 1000+ Electives | | 8 |

Graduation Requirements:

1. Completion of a minimum of 120 or more semester credits, with a minimum of 40 upper division semester credits.
2. Overall grade point average of 2.0 (C) or above. Aviation courses require a C- or above. (Departments may require a higher GPA.)
3. Residency hours--minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
4. Completion of Commercial Pilot Certificate.

5. Students in the Professional Pilot degree should obtain an FAA Class I or II Medical Certificate prior to beginning flight training.
6. Students may count no more than 8 credit hours of total cooperative work experience (AVSC 281R/285R/481R/485R) toward the degree requirements without department approval.
7. Successful completion of at least one Global/Intercultural course.
8. Successful completion of at least two Writing Enriched (WE) courses.

Footnote:

1. If student chooses HIST 2700 and HIST 2710, the additional hours may be used towards a social science distribution requirement.
2. METO 1010 recommended
3. COMM 1020 recommended
4. PSY 1010 recommended

Professional Pilot, B.S.

Careers

1. Students will satisfactory demonstrate knowledge, maneuvers and skills of an instrument rated commercial, multi-engine pilot to FAA standards.
2. Students will manage all available equipment, systems and people in normal and emergency operations while mitigating threats and errors.
3. Students will self-critique their ability to gather available data, identify possible courses of action, evaluate risk inherent in each course of action and make appropriate decisions.
4. Students will produce professional quality reports and effectively present the information to an audience using appropriate technology.
5. Students will demonstrate self-directed learning to complete a professional industry certification, training course or an approved internship program.

Related Careers

- Airline Pilots, Copilots, and Flight Engineers
- Commercial Pilots