

Aviation Studies

Type

Associate in Science

Aviation Studies, Associate in Science

The Aviation Studies, A.S. degree is focused on providing students with the first two years of a baccalaureate degree in areas of study such as airport management, aviation business administration, professional pilot, air traffic control and air transportation management. The program is designed with a substantial prescription of both general education electives and program courses so students may tailor their coursework to meet their transfer goals.

Students should identify the institution to which they plan to transfer and, through academic advisement, complete courses at Atlantic Cape that will not only transfer to a baccalaureate degree granting institution, but also count as an equivalent course at the receiving institution. Atlantic Cape has arranged transfer articulation agreements with several colleges.

Contact the department chair for a list of transfer agreements. It is strongly recommended that students pursuing this degree regularly meet with their faculty advisor.

For additional program information, please contact department chair, Dr. Otto Hernandez, at (609) 343-4978 or hernande@atlanticcape.edu.

Upon completion of this program students will be able to:

- Complete the first two years of study towards a baccalaureate degree in aviation studies;
- Communicate technical concepts;
- Apply quantitative knowledge and skills;
- Apply scientific knowledge and reasoning;
- Demonstrate competence in information literacy;
- Analyze situations from the humanistic and historical perspective;
- Identify human factors impacting our world;
- Demonstrate basic aeronautical knowledge;
- Identify the impacts of weather on aviation;
- Identify key components of the National Airspace System.

(AVIT-Fall 2022)

General Education Courses

When a course is not specified, refer to the list of approved General Education courses.

Communication

| Course # | Title | Credits |
|----------|----------------|---------|
| ENGL101 | Composition I | 3 |
| ENGL102 | Composition II | 3 |

Mathematics-Science-Technology

| Course # | Title | Credits |
|----------|--|---------|
| CISM125 | Introduction to Computers | 3 |
| | General Education Mathematics Course (4 credits) | 4 |
| | General Education Science Course (4 credits) | 4 |

Social Science

| Course # | Title | Credits |
|----------|---|---------|
| | General Education Social Science Course (3 credits) | 3 |

Humanities

| Course # | Title | Credits |
|----------|---|---------|
| | General Education Humanities Course (3 credits) | 3 |

General Education Elective

(Students are strongly encouraged to meet with their faculty advisor before making a choice.)

| Course # | Title | Credits |
|----------|---|---------|
| | General Education Humanities Course (3 credits) | 3 |
| | General Education Course (3 credits) | 3 |
| | General Education Course (3 credits) | 3 |

Program Requirements

| Course # | Title | Credits |
|----------|--|---------|
| ATCT101 | Introduction to Air Traffic Control | 4 |
| ATCT120 | Aviation Weather | 3 |
| AVIT110 | Aeronautical Knowledge | 3 |
| AVIT115 | National Airspace System | 3 |
| AVIT127 | Introduction to Airport Management | 3 |
| AVIT140 | Small Unmanned Aircraft Systems Operation-Multi-Rotor | 3 |
| | Choose: AVIT101-Experiential Flight or AVIT103-Simulated Flight (1 credit) | 1 |

Program Electives

Choose eight credits from the following course alphas:

ACCT, ATCT, AVIT, BUSN, CISM, GIST, ECON, MATH or TCOM

(Students are strongly encouraged to meet with their faculty advisor before making a choice.)

| Course # | Title | Credits |
|----------|---|-----------|
| | Choose a course from the following alphas: ACCT, ATCT, AVIT, BUSN, CISM, GIST, ECON, MATH or TCOM (4 credits) | 4 |
| | Choose a course from the following alphas: ACCT, ATCT, AVIT, BUSN, CISM, GIST, ECON, MATH or TCOM (4 credits) | 4 |
| | Total Credits | 60 |

Recommended Sequence of Courses

First Semester

| Course # | Title | Credits |
|----------|--|---------|
| ATCT120 | Aviation Weather | 3 |
| AVIT115 | National Airspace System | 3 |
| CISM125 | Introduction to Computers | 3 |
| ENGL101 | Composition I | 3 |
| | Choose: AVIT101-Experiential Flight or AVIT103-Simulated Flight (1 credit) | 1 |
| | General Education Mathematics Course (4 credits) | 4 |

Second Semester

| Course # | Title | Credits |
|----------|---|---------|
| AVIT140 | Small Unmanned Aircraft Systems Operation-Multi-Rotor | 3 |
| ENGL102 | Composition II | 3 |
| | Choose a course from the following alphas: ACCT, ATCT, AVIT, BUSN, CISM, GIST, ECON, MATH or TCOM (4 credits) | 4 |
| | General Education Humanities Course (3 credits) | 3 |
| | General Education Social Science Course (3 credits) | 3 |

Third Semester

| Course # | Title | Credits |
|----------|---|---------|
| ATCT101 | Introduction to Air Traffic Control | 4 |
| | Choose a course from the following alphas: ACCT, ATCT, AVIT, BUSN, CISM, GIST, ECON, MATH or TCOM (4 credits) | 4 |
| | General Education Science Course (4 credits) | 4 |
| | General Education Humanities Course (3 credits) | 3 |

Fourth Semester

| Course # | Title | Credits |
|-----------------|--------------------------------------|----------------|
| AVIT110 | Aeronautical Knowledge | 3 |
| AVIT127 | Introduction to Airport Management | 3 |
| | General Education Course (3 credits) | 3 |
| | General Education Course (3 credits) | 3 |