



**Aeronautical Science  
Flight Operations  
Aviation Operations Management  
Bachelor of Applied Science Degree  
180 Credits**

Aeronautical Science Bachelor of Applied Science (BAS) degree has two options, Flight Operations and Aviation Operations Management.

The Flight Operations track is designed to build on the Fixed-Wing Commercial Pilot Associate in Applied Science (AAS).

The Aeronautical Science BAS Aviation Operations Management track is designed to build on the following AAS degrees:

- Airline Dispatch
- Air Traffic Control
- Airport Management
- Air Transportation
- Unmanned Aerial Systems (UAS)
- Fixed-Wing Commercial Pilot
- Rotor-Wing Commercial Pilot

AVIA denotes an aviation academic class. FLT denotes an aviation flight training class. The asterisk (\*) indicates a class requiring actual flight training. The carat sign (^) Indicates a course that satisfies an FAA Requirement for Restricted Air Transport Pilot (RATP) Certification.

This degree program prepares students for entry level jobs as commercial pilots in the aviation industry. Flight programs require a commitment from students. Gaps in training should be avoided at all costs. Students should plan on flying at least twice per week. The academic schedule can be found at [www.greenriver.edu](http://www.greenriver.edu). Students entering this program must possess a valid 2nd class medical (1st class preferred for students pursuing an ATP certificate) certificate prior to commencing flight training. These medical certificates are issued by FAA designated medical examiners. In addition all students must meet the requirements of the Federal Aviation Administrations under CFR Title 14, Part 61.123.

The student will be responsible for attending the scheduled flight lesson. Any missed appointments will be handled individually per the flight schools policies. No retakes of a failed course will be allowed due to poor attendance. Any cancellations beyond the control of the student and flight school will be discussed with Green River's faculty staff to determine if any violation of policies has occurred.

If a student is unable to complete the class within the academic schedule for the registered quarter as shown in the published class schedule, the student must bring this problem to the attention of the flight school staff and Green River's faculty, as this may affect future funding for subsequent classes. If student is found not progressing at a normal rate, a meeting between the flight school instructor and Green River's faculty will occur to determine the cause of the problem and possible solution.



Student will be expected to address any possible problems regarding flight training with Green River's faculty as soon as possible. Cancellations must be made in advance of the scheduled time. Students will make every effort to cancel flight and ground lessons per the respective flight school's policy. No-shows will result in the aircraft and/or flight instructor being released 15 minutes into the scheduled time. The student will be responsible for the cost of the lesson scheduled.

The student will have to complete the class within the academic schedule for the quarter in which the student registers. The student must complete this class satisfactorily before he/she can sign up subsequent flight classes in the degree program. Each flight class can be failed once, in the event the student fails two flight classes resulting in two "F's," he/she will no longer be allowed to continue in the flight program!

In the case where a student gets an "I," the "incomplete" can only be carried over for thirty days, after which if the course requirements are not completed, the "incomplete" will become an "F". Per the Veteran's Administration, an "incomplete" is only given in the case of weather and mechanical cancellations. Incompletes may also be given for extreme circumstances, other than weather and mechanicals, and may be considered on a case by case basis. Final grades for the flight class will be based on the individual class grading policies stated in the class syllabus.

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| Dept./No.                                                              | Course Title                                                                                                                                                                          | Credits    |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>General Education Requirements (60 credits)</b>                     |                                                                                                                                                                                       |            |
| <b>Communication Skills (15 credits)</b>                               |                                                                                                                                                                                       |            |
| CMST& 210 or<br>CMST & 220 or<br>CMST& 230                             | Interpersonal Communication or<br>Public Speaking or<br>Small Group Communication                                                                                                     | 5          |
| ENGL 335 and<br>ENGL& 101 or<br>ENGL 126 or<br>ENGL 127 or<br>ENGL 128 | Advanced Technical Writing and<br>English Composition I or<br>Writing: Humanities or<br>Writing: Social Sciences or<br>Research Writing: Science/Engineering/Business                 | 5          |
| <b>Quantitative/Symbolic Reasoning Skills (5 credits)</b>              |                                                                                                                                                                                       |            |
| MATH 106 or<br>MATH& 107 or<br>MATH 108 or<br>MATH& 141 or higher      | Essentials of PreCalculus Math or<br>Math in Society or<br>Contemporary Math for Information Technology or<br>PreCalculus I or higher                                                 | 5          |
| <b>Humanities (10 credits)</b>                                         |                                                                                                                                                                                       |            |
| CMST 338 or<br><br>PHIL 412 or                                         | Diversity in the Workplace or<br>Five credits of Humanities courses from the AA-DTA degree<br><br>Professional Ethics or<br>Five credits of Humanities courses from the AA-DTA degree | 5<br><br>5 |



**Natural Sciences (15 credits)**

|                                                                         |    |
|-------------------------------------------------------------------------|----|
| Five credits of Natural Science courses with a lab from AA-DTA degree   | 5  |
| Ten credits of Natural Science from List A or List B from AA-DTA degree | 10 |

**Social Sciences (10 credits)**

|                                                                    |    |
|--------------------------------------------------------------------|----|
| Ten credits of Social Science courses approved from AA-DTA degree. | 10 |
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**Additional General Education (5 credits)**

|                                                                                                     |   |
|-----------------------------------------------------------------------------------------------------|---|
| Five credits of courses from the Humanities, Social Science, and Natural Science from AA-DTA degree | 5 |
|-----------------------------------------------------------------------------------------------------|---|

**Core Requirements – Flight Operations (55 credits)**

|            |                                           |   |
|------------|-------------------------------------------|---|
| *^ASIM 324 | Turbine Operations Flight                 | 2 |
| *^ASIM 326 | Advanced Cockpit Technologies Flight      | 2 |
| ^ AVIA 300 | Certified Flight Instructor Ground School | 5 |
| ^ AVIA 301 | Certified Flight Instructor Instruments   | 3 |
| AVIA 360   | General Aviation Operations Management    | 5 |
| ^ AVIA 370 | Aviation Safety Management System         | 5 |
| AVIA 375   | ICAO Operations Standards                 | 5 |
| AVIA 400   | Airlines Operations Management            | 5 |
| ^ AVIA 401 | Multi-Engine                              | 3 |
| ^ AVIA 402 | CFI Multi-Engine                          | 3 |
| AVIA 410   | Aviation and Aircrew Resource Management  | 5 |
| AVIA 490   | Capstone: Aviation Research Projects      | 5 |
| *^FLT 300  | Certified Flight Instructor               | 3 |
| *^FLT 301  | Instrument Instructor Rating              | 1 |
| *^FLT 401  | Multi-Engine Operations Flight            | 2 |
| *^FLT 402  | Multi-Engine Instructor Rating            | 1 |

**Core Requirements – Aviation Operations Management (45 credits)**

|            |                                            |   |
|------------|--------------------------------------------|---|
| AVIA 360   | General Aviation Operations Management     | 5 |
| ^ AVIA 370 | Aviation Safety Management System          | 5 |
| AVIA 375   | ICAO Operations Standards                  | 5 |
| AVIA 380   | Aviation Career Development                | 5 |
| AVIA 385   | Airport Planning and Operations Management | 5 |
| AVIA 400   | Airlines Operations Management             | 5 |
| AVIA 410   | Aviation and Aircrew Resource Management   | 5 |
| AVIA 430   | Aviation and the Global Economy            | 5 |
| AVIA 490   | Capstone: Aviation Research Projects       | 5 |

**Upper Division Credits (5-15 credits)**

Students **must** complete a minimum of 60 credits at the 300-400 level. If 60 upper division credits are not satisfied within the General Education Requirements and Core Requirements, they may be chosen from any of 300—400 level courses in AVIA, BUS, CMST, FLT, NATRS 416 or PHIL.



**Required Additional Credits** (65-75 credits)

- Flight Operations track requires 65 credits and Operations Management track requires 75 credits. These credits may be fulfilled with completion of an appropriate Associate in Applied Science Degree or non-required upper division courses.
- The Aviation Operations Management track requires 75 credits of transferrable courses 100 level or higher to total 180 credits.
- These credits may be fulfilled with completion of an appropriate Associate in Applied Science Degree or non-required upper division courses.