

Rocky Mountain College Aviation Program

B.S. in Aviation Management

Student Achievement Data

December 2020

Program Mission: To educate and train individuals to be professionals and leaders in the aviation industry.

Vision: To be the leader in Collegiate Aviation in the Western U.S., where our graduates are sought-after and where selective admissions and thoughtful growth insure high quality students who graduate at a rate well above that of a public university.

We Value...

- safety as our #1 priority.
- the education of the whole person and the development of independent thought—all based on a strong foundation in the liberal arts.
- being on the leading edge of educational techniques, curriculum content and technology in collegiate aviation.
- the professional development of all students and employees. We'll teach and model professionalism throughout our program and help our employees grow.
- marketability of our graduates and flight instructors.
- efficient and cost-effective flight training.

Student Learning Outcomes

Aeronautical Science Major

Students who graduate with a major in aeronautical science will be able to:

Items 1-6 below are AABI CORE Outcomes

1. Demonstrate attributes of an aviation professional, career planning, and understanding certification;
2. Demonstrate understanding of aircraft design, performance, operating characteristics, and maintenance;

3. Demonstrate understanding of aviation operations in terms of aviation safety and human factors;
4. Demonstrate understanding of national and international aviation law, regulations, and labor issues;
5. Demonstrate understanding of design and operations of airports, airspace, and the air traffic control system;
6. Demonstrate understanding of meteorology and environmental issues;

Items 7 – 17 are AABI General Outcomes

7. Apply mathematics, science, and applied sciences to aviation-related disciplines;
8. Analyze and interpret data;
9. Work effectively on multi-disciplinary and diverse teams;
10. Make professional and ethical decisions;
11. Communicate effectively, using both written and oral communication skills;
12. Engage in and recognize lifelong learning;
13. Assess contemporary issues;
14. Use the techniques, skills, and modern technology necessary for professional practice;
15. Assess the national and international aviation environment;
16. Apply pertinent knowledge in identifying and solving problems;
17. Apply knowledge of business sustainability to aviation issues;

Item 18 is AABI Program Criteria

18. Meet FAA commercial pilot standards, with instrument and multi-engine ratings, and demonstrate the ability to operate in a crew environment;

Item 19 is other criteria

19. Demonstrate knowledge and application of aerodynamic principles.

Educational Goals for the Aviation Management major are:

1. Educate students with a firm foundation in the liberal arts that will help them to be leaders in the aviation industry with strong skills in communication and team work.
2. Instill professionalism and ethics expected by the aviation industry.
3. Develop graduates who exhibit strong aviation management abilities.
4. Effectively apply management principles in traditional areas of business competition.

Educational Goal #1

- Educate students with a firm foundation in the liberal arts that will help them to be leaders in the aviation industry with strong skills in communication and team work.

COLLECT EVIDENCE

Assessment of communication skills and teamwork are addressed in the Assessment Report for RMC Student Learning Outcomes. Communication skills are SLO 11. Evidence will be collected using a rubric in AVS 405 class, internship supervisor evaluations, senior exit survey and oral presentation in AVS 308.

Educational Goal #2

- Instill professionalism and ethics expected by the aviation industry.

COLLECT EVIDENCE

Assessment of professionalism and ethics are addressed in the Assessment Report for RMC Student Learning Outcomes. Professionalism is SLO 1 and ethics is SLO 10. Evidence will be collected using a rubric in AVS 400 on a professional interview, internship supervisor evaluations, senior exit survey. We continue to collect data of informal feedback from graduates, as was suggested to us during the AABI visit in 2014. Though not a rigorous survey, we gain a great deal of insight and encouragement from the number of graduates who are pleased with the level of professional training they received.

For ethics, we collect evidence for a rubric used in AVS 400 for a paper written by all students on a real-world ethical situation, from internship evaluations and from senior exit surveys.

Educational Goal #3

- Develop graduates who exhibit strong aviation management abilities.

COLLECT EVIDENCE

The hands-on real world nature of the airline simulation in AVS 405 makes this the ideal way to collect evidence. Aviation management majors are not separated from aeronautical science majors in the class. Partners can be from either major. Rubrics established by the AVS 405 professor give numerous places to assess their aviation management abilities. Student Learning Outcome 18 states, "Communicate the principles necessary to integrate as an employee at a fixed base operations company, an airline and an airport. AVS 405 rubric, internship evaluation and senior exit survey will be used for evidence.

Educational Goal #4

- Effectively apply management principles in traditional areas of business competition.

COLLECT EVIDENCE

AVS 405 is real-world and competitive. Rubrics established by the AVS 405 professor give numerous places to assess their aviation management abilities. Student Learning Outcome 17 states, “Graduates will apply knowledge of business sustainability to aviation issues.” AVS 405 rubric, internship evaluation and senior exit survey will be used for evidence.

Program assessment measures employed include:

- End of year surveys from all students
- Exit surveys from each graduating senior
- Formal survey of graduates, conducted approximately every four years
- Informal survey of graduates, conducted in an on-going manner
- Surveys and evaluations from internship supervisors
- Evaluations from outsider aviation professionals who conduct mock interviews with each graduating senior as part of AVS 400 class
- Data from Safety Program, including student inputs to SMART software, which tracks safety reporting
- Feedback on student performance in AVS 405 course, Air Transportation Management, a senior capstone course
- Feedback on student performance in individual required courses directly relating to specific outcomes, such as Aviation Law, and ethics

Graduation and retention rates

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>5-year average</u>
Freshmen retention from previous year in Aviation Program	84%	76%	66%	72%	69%	73%
Freshmen retention from previous year, remained at RMC, includes changed major	88%	82%	76%	80%	72%	80%
Aviation program 4-year grad rate	44%	41%	67%	62%	57%	54%

Employment in Aviation industry this grad year	100%	88%	100%	92%	100%	96%
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Employment for Aviation Management Graduates last 5 years

US Air Force UAS pilot
Mountain Air Insurance
Delta Airlines Customer Relations
Billings Flying Service
Orlando Sanford Airport
Aspen, CO Airport
Airport manager, La Crosse, WI
United Airlines Customer Service
United Airlines Crew Scheduling
TAC Air FBO
Centennial Airport management
American Airlines Station Agent
Edwards Jet Center Line Tech
Endevour Airlines dispatch
SeaPort Airlines dispatch
Numerous students in graduate schools across the country