

Rocky Mountain College Aviation Program

B.S. in Aviation Management

Student Achievement Data

December 2023

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

Aviation Management 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. Communicate the principles necessary to integrate as an employee at a fixed base operations company, an airline, and an airport;

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 404 CRM class, 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

Assessment of management abilities are addressed in the Assessment Report for RMC Student Learning Outcomes # 17 and # 18. Input to suggested changes to the Educational Goal #3 come from staff and faculty.

Educational Goal #4

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

COLLECT EVIDENCE

Assessment of management abilities are addressed in the Assessment Report for RMC Student Learning Outcomes # 17 and # 18 particularly with regard to data from AVS 405 Air Transportation Management and AVS 310 Airport Planning, since both courses use competitive simulation. Input to suggested changes to the Educational Goal #4 come from staff and faculty.

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 SHORT reports and tracking safety report
- 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>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>5-year average</u>
Freshmen retention from previous year in Aviation Program	72%	61%	59%	69%	66%	65%
Freshmen retention from previous year, remained at RMC, includes changed major	80%	70%	61%	69%	77%	71%
Aviation program 4-year grad rate	65%	55%	34%	59%	56%	54%
Employment in Aviation industry this grad year	92%	100%	95%	100%	92%	96%
Number of Graduates						
Aeronautical Science	18	15	10	20	24	17
Aviation Management	5	3	3	5	4	4

Employment for Aviation Management Graduates last 5 years

Zipline (UAS)

Port of Pasco, Airport Security

FedEx Express

Alpine Air

Billings Flying Service

Aspen, CO Airport Security Manager

TAC Air FBO

Centennial Airport management

American Airlines Cross Trained Agent

Unmanned Aerial Solutions, Owner/Operators

Endevour Airlines dispatch

Leatherneck Aviation (Flight School), owner

Bozeman Airport, Ops Specialist

City Service Valcon, Fuel Sales, Kalispell, MT

Several students in graduate schools across the country