New Program Report

Date Submitted:
02/07/2024

Institution

Moberly Area Community College

Site Information

Implementation Date:
1/22/2025 12:00:00 AM

Added Site(s):

MACC - Columbia Regional Airport , 11300 South Airport Drive, 1, Columbia, MO 65201

Selected Site(s):

CIP Information

CIP Code:
490101

CIP Description:
A program that focuses on the general study of aviation and the aviation industry, including in-flight and ground support operations. Includes instruction in the technical, business, and general aspects of air transportation systems.

CIP Program Title:
Aeronautics/Aviation/Aerospace Science and Technology, General

Institution Program Title:
Aviation Flight Technology

Degree Level/Type

Degree Level:
Associate Degree

Degree Type:
Associate in Applied Science

Options Added:

Collaborative Program:
N

Mode of Delivery

Current Mode of Delivery

Classroom

Hybrid

Online

Student Preparation

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Special Admissions Procedure or Student Qualifications required:

Age: Must be at least 18 years of age

Applications: Complete and submit the MACC Application and the Aviation Flight Technology Application

Basic Functional Abilities:

• Must have sufficient visual acuity necessary for aviation technology

• Must have sufficient auditory perception for communication

• Must have sufficient mobility to safely operate equipment

• Must have sufficient verbal and non-verbal communication skills (speech, reading, and writing)

• Must have sufficient intellectual and emotional functions to safely operate equipment

Background Check: Must submit and pass a criminal background check

Drug Screen: Must submit and pass a drug screen

References: Must submit three references

Health Insurance: Required for all Aviation Flight Technology students

Forms: Submit release of information forms

Students must obtain an FAA Medical Certificate in order to obtain entrance into the program. Once students are accepted they must attend an orientation to the program.

Specific Population Characteristics to be served:

n/a

Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:

Minimum of a Bachelor's degree in an aviation-related field, current Airline Transport Pilot Certificate along with other certifications such as instrument rating and commercial pilot certification, and 5 years of industry experience

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

All flight courses will be taught by certified flight instructors. The percentage of credits that will be assigned to full-time faculty will vary.

Expectations for professional activities, special student contact, teaching/learning innovation:

Maintain current competency through continuing education and industry certification

Student Enrollment Projections Year One-Five

Year 1	Full Time: 8	Part Time: 2	
Year 2	Full Time: 18	Part Time: 2	
Year 3	Full Time: 20	Part Time: 5	Number of Graduates: 14
Year 4	Full Time: 30	Part Time: 5	
Year 5	Full Time: 38	Part Time: 2	Number of Graduates: 38

Percentage Statement:

80.00

Program Accreditation

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Institutional Plans for Accreditation:
MACC will obtain approval from the Federal Aviation Administration (FAA) to offer Part 141 training

Program Structure

Total Credits:
62

Residency Requirements:
Complete at MACC a minimum of 15 hours of college-level credit applicable to the degree

General Education Total Credits:
18

Major Requirements Total Credits:
44

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
AVI152	2	Private Flight Lab II
AVI151	2	Private Flight Lab I
AVI250	3	Commercial Pilot Ground
AVI172	2	Instrument Flight Lab II
AVI105	3	Aviation Weather
AVI101	3	World of Aviation
AVI240	3	Air Traffic Control System
AVI102	3	Airline Operations
AVI171	1	Instrument Flight Lab I
AVI203	3	Aircraft and Engine Components
AVI150	3	Private Pilot Ground
AVI251	4	Commercial Pilot Flight Lab I
AVI170	3	Instrument Ground
AVI260	3	Aviation Safety
AVI230 or AVI270	3	Air Transportation or Certified Flight Instructor (CFI) Ground

Free Elective Credits:
0

Internship or other Capstone Experience:
NA

Assurances

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus or CBHE-approved off-site location.

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I certify that the program will not unnecessarily duplicate an existing program of another Missouri institution in accordance with 6 CSR 10-4.010, subsection (9)(C) Submission of Academic Information, Data and New Programs.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

Contact Information

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Associate of Applied Science Aviation Flight Technology (Fall Start)

Name: _____ ID#: _____ Date: _____

Taken	Course	Semester	Hours
		First Semester (Fall)	
	AVI101	World of Aviation	3
	AVI150	Private Pilot Ground	3
	AVI151	Private Flight Lab I	2
	MTH140	Precalculus Algebra	3
	SPK101	Public Speaking	3
			14
		Second Semester (Spring)	
	AVI105	Aviation Weather	3
	AVI152	Private Flight Lab II	2
	LAL101	Composition I	3
	HST105 **or** HST106 **or** PSC105	American History to 1865 **or** American History from 1865 **or** Introduction to American Government	3
		Humanities	3
			14
		Third Semester (Summer)	
	AVI170	Instrument Ground	3
	AVI171	Instrument Flight Lab I	1
			4
		Fourth Semester (Fall)	
	AVI102	Airline Operations	3
	AVI172	Instrument Flight Lab II	2
	AVI240	Air Traffic Control System	3
	AVI260	Aviation Safety	3
		Biological of Physical Science	3-5
			14-16
		Fifth Semester (Spring)	
	AVI203	Aircraft & Engine Components	3
	AVI230 or AVI270	Air Transportation or Certified Flight Instructor (CFI) Ground	3
	AVI250	Commercial Pilot Ground	3
	AVI251	Commercial Pilot Flight Lab I	4
			13
		Sixth Semester (Summer)	
	AVI252	Commercial Pilot Flight Lab II	3
			3
		Minimum Required Hours for Degree	**62-64**

MACC
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Associate of Applied Science Aviation Flight Technology (Spring Start)

Name: _____ ID#: _____ Date: _____

Taken	Course	Semester	Hours
		First Semester (Spring)	
	AVI101	World of Aviation	3
	AVI150	Private Pilot Ground	3
	AVI151	Private Flight Lab I	2
	MTH140	Precalculus Algebra	3
	SPK101	Public Speaking	3
			14
		Second Semester (Summer)	
	AVI152	Private Flight Lab II	2
	HST105 **or** HST106 **or** PSC105	American History to 1865 **or** American History from 1865 **or** Introduction to American Government	3
			5
		Third Semester (Fall)	
	AVI105	Aviation Weather	3
	AVI170	Instrument Ground	3
	AVI171	Instrument Flight Lab I	1
	AVI240	Air Traffic Control System	3
	LAL101	Composition I	3
			13
		Fourth Semester (Spring)	
	AVI102	Airline Operations	3
	AVI172	Instrument Flight Lab II	2
	AVI230 or AVI270	Air Transportation or Certified Flight Instructor (CFI) Ground	3
	AVI203	Aircraft & Engine Components	3
		Humanities	3
			14
		Fifth Semester (Summer)	
	AVI250	Commercial Pilot Ground	3
	AVI251	Commercial Pilot Flight Lab I	4
			7
		Sixth Semester (Fall)	
	AVI252	Commercial Pilot Flight Lab II	3
	AVI260	Aviation Safety	3
		Biological of Physical Science	3-5
			9-11
		Minimum Required Hours for Degree	**62-64**