

Comprehensive Program Review Final Response

Academic Program Name: BS Aviation Science and Management

CIP Code: 49.0104

College or School: School of Aviation

Department: Aviation Science and Management

Current Date: 4/30/19

Check any of the following to categorically describe action(s) the institution will take concerning this program.

Program MEETS Institution's Criteria

Program is critical to the institutional mission and will be retained.

Program is critical to the institutional mission and is growing or a high demand field and thus will be enhanced.

Program PARTIALLY MEETS Institution's Criteria and will be re-evaluated in _____.

Program DOES NOT MEET Institution's Criteria

Program will be placed on a monitoring status.

Program will undergo substantive curricular revisions.

Program will be deactivated.

Program will be voluntarily terminated.

Other (identify/add text):

Provost or VPAA Name: Dr. Michael Gibbons on behalf of the Provost, Dr. Jon Anderson

Provost or VPAA Signature:



Date: 4/30/19

Comprehensive Program Review Report

Academic Program Name: BS Aviation Science and Management

College or School: Aviation

Department: Aviation Science and Management

Date of Last Internal Review: 2/25/19

Outcome of Previous Program Review (brief narrative statement, if applicable):

Current Date: 04/11/19

Executive Summary: *This is a strong program with large enrollment. While there has been some low numbers and fluctuation over the last several years, it is now very successful. The fluctuations were largely based on institutional changes that were beyond the control of the SoA.*

Categorical Summation

Check any of the following to categorically describe action(s) the institution will take concerning this program.

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Program DOES NOT MEET Institution's Criteria

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Program will undergo substantive curricular revisions.

Program will be deactivated.

Program will be voluntarily terminated.

Other (identify/add text):

Academic Dean Signature:



Date: 4-11-19



Comprehensive Program Review

FY 2018 – 2019

Institution: Middle Georgia State University

Academic Program: Bachelor of Science Aviation Science and Management

College or School: Aviation

Department: Aviation Science and Management

CIP Code: 49.0104

Date of Last Internal Review:

Faculty Completing Report: Ed Weathersbee

Current Date: 2/25/2019

5 Year Enrollment by Campus and Graduation Trends

Enrollment

Campus	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	5 YR Growth
Macon	15	16	27	31	44	193%
Cochran	87	46	70	70	128	47%
Warner Robins	1	12	8	4	10	900%
Dublin	2	1	4	4	1	-50%
Eastman	164	153	132	157	216	32%
Online	25	43	78	103	137	448%
Off Campus	0	0	0	0	3	100%
Total	294	271	319	369	539	83%

Graduates

AY 2014	AY 2015	AY 2016	AY 2017	AY 2018	5 YR Growth
49	45	60	47	53	8%

The Aviation Science and Management Department offers training necessary to complete certificate programs, both in Airplane (fixed-wing) and Rotorcraft (helicopter) aircraft. Individual certificates and ratings also are offered to meet the specific needs of students, including certificates in Instrument Pilot (Airplane), Multi-Engine Pilot (Airplane), Commercial Pilot (Airplane, Helicopter), and Certified Flight Instructor (Airplane, Helicopter). Graduates possess the skills to succeed as aviators, managers, and leaders in the aviation industry.

The Department of Aviation Science and Management also offers training necessary to complete the Bachelor of Science in Aviation Science and Management with a track in Flight, Advanced Flight, Management, Logistics, and Maintenance Management. Completion of the Bachelor of Science in Aviation Science and Management requires the successful completion of 120 semester hours of credit as prescribed in the related curriculum.

The B.S. in Aviation Science and Management educates students for careers as managers and professional pilots by providing highly advanced training in a learning environment that prepares students for the demands of the aviation industry. This aligns with the School of Aviation's mission to educate and prepare students for technical and management careers in the aviation, aerospace, and related industries, who understand the industry and organizations they are part of, and the communities they serve. The School of Aviation's mission complements Middle Georgia State University's mission specifically by preparing lifelong learners and highly qualified aviation professionals whose scholarship and careers enhance the region by supporting aviation, aerospace, and related industries.

This is a fairly new degree that was originally the BSBA degree in Flight Management Airplane (and Helicopter). The numbers in the above charts for 2014 are from this BSBA. The following years have a descending number in the BSBA, and an increasing number in the BSASM. These numbers have been combined for simplicity. While most of these numbers have increased significantly over the past 5 years, our online students have increased dramatically. This is mostly due to the fact that we have more part-time instructors, and simply because we are offering more of our content online. The courses are offered both in a traditional classroom and online. There is a good mix of both. For the most part, the online courses are taught by part-time faculty, freeing up the full-time faculty to teach the traditional, and much needed, face to face classes.

There were many changes in the degree program from 2014 to 2016. This is believed to be the culprit of the drop in enrollment. As the program stabilized, and because of the increased demand for pilots, the program has seen sustained growth since then.

There have been minor changes since 2016, but most were concerning prefix, course numbers, name, or prerequisites. As the program has matured, the faculty realized the need for, and the deletion of, certain prerequisites to the courses. This has freed up the ability to advise students on classes that they really did not need prerequisites for.

The benchmark for enrollment has been met and exceeded. That being said, there needs to be improvement in our retention and graduation. Many of the students that entered the new degree have not graduated yet, as it has only been in place since 2015. As you can see, the enrollment around that time started to increase, and it is expected that the graduation rate for Spring and Fall of 2019 will increase accordingly.

The plan for this Department is to increase the number of face to face full time faculty so that it can sustain the quality of the program during this time of increasing enrollment. There is an eminent shortage of pilots that has been dwelling for a few years. It has now become a reality. With the increase in students, this will also mean increasing the number of part-time faculty both online, and face to face at our satellite locations. This also calls for more aircraft, flight instructors, maintenance personnel, hangers, etc. In the immediate future, this may call for enforcing current entrance requirements, and maybe even incorporating more, in order to sustain the quality of our flight program.

Accreditation for the program through Aviation Accreditation Board International (AABI) is pending a site visit on March 24, 2019.

IERB Comprehensive Program Review Rubric and Evaluation

Program Reviewed: Bachelor of Science Aviation Science and Management

<p>Contextual Notes: Summarize any demographic or environmental factors described in the introduction that might significantly impact assessment of the program</p>
<p>None.</p>

Area of Focus	Exemplary Area	Satisfactory Area	Area of Concern	No Evidence	Notes
Enrollment	<i>This program has significantly positive enrollment trends and robust credit hour production</i>	<i>This program has stable or moderately positive enrollment trends and healthy credit hour production</i>	<i>This program has negative enrollment trends and weak credit hour production</i>		Incredible growth surges in program on various campuses over the 5 year period.
Graduation Trends USG benchmark: Bachelor's Degrees: 10 graduates/year Graduate, Associate's or Certificates: 5 graduates/year Programs falling under these benchmarks are designated as "low performing"	<i>Three year rolling average greatly exceeds USG minimum benchmark for degrees conferred</i>	<i>Three year rolling average meets or exceeds USG minimum benchmark for degrees conferred</i>	<i>Three year rolling average does not meet USG minimum benchmark for degrees conferred; the program is "low performing" by USG definition</i>		<i>Meets USG benchmark.</i>

IERB Comprehensive Program Review Rubric and Evaluation

Program Strengths of Note:

The School of Aviation's faculty and leadership continue to demonstrate how viable this unique program is not only to our university, but also to the broader community and entire State of Georgia. This is a major growth area for our institution where funds should be allocated to hire needed faculty to educate the aviation students of tomorrow. This will only serve to elevate MGA's standing in the USG.

Areas of Serious Concern:

None.

Other Comments: