**Title of Revised Program:** Aviation Business Administration Associate of Science

**Control Number:** 11728

**TOP Code:** 3020.10

**CIP Code:** 490104

**Effective Term:** Fall 2022

**Overview of Revisions:** Removal of AVIA 277D from restricted electives. The course is being deactivated at Miramar because it is no longer compliant with state regulation.

**Item 1. Statement of Program Goals and Objectives**

Students who complete the Aviation Operations program will be able to:

 • Demonstrate preparedness to complete, or continued preparation for, the respective Federal Aviation Administration written examination.

 • Demonstrate the knowledge, skills, abilities, and experience for employment in an aviation-related career field.

**Item 2. Catalog Description**

The Aviation Operations Program integrates simulator flight training with rigorous academic study, providing a strong foundation for leadership positions within the aviation industry. The program emphasizes a combination of the technical fundamentals of flight, airport operations, human factors, group dynamics, and safety in order to enhance students’ development of situational awareness, critical thinking, and problem solving skills. Miramar College’s Aviation Operations Program meets all requirements of the Federal Aviation Administration’s (FAA) Part 141 Pilot Ground School. Upon completion of the program, students are able to complete the FAA Airmen Knowledge Tests for multiple pilot certificates. Flexible course selection and multiple degree and certificate options are available to prepare the student for a variety of career paths in the aviation industry, including commercial pilot, airport management, unmanned systems, human factors, and many more.

**Credit for FAA Pilot Certificates**

Pending Aviation Operations Program Director review and approval, students who already possess the associated FAA pilot certificate or rating may challenge up to two of the following courses:

• Private Pilot Ground School (AVIA 101)

• Instrument Ground School (AVIA 195)

• Commercial Pilot Ground School (AVIA 201)

• Flight Instructor Ground School (AVIA 211)

**Flight Training**

Pending Aviation Operations Program Director review and approval, a student awarded a Miramar College Certificate of Performance for an academic phase of ground instruction (AVIA 101, 195, 201, 211) who subsequently earns the associated FAA certificate or rating can request that 3 units of credit be awarded for that flight training. As a result, it is possible for a student to earn up to 12 units at Miramar College for flight training.

**Career Options**

The following is an abbreviated list of the myriad of career training options the Aviation Operations Program prepares its graduates to embark upon:

• Airline Management

• Airport Management

• Airport Security

• Air Traffic Control

• Border Patrol

• Commercial Airline Pilot

• Corporate Pilot

• Ag Pilot, Dispatcher

• Banner Towing

• Certificated Flight Instructor

• Airline Flight Operations

• Federal Aviation Administration

• Gate Agent

• Fixed Base Operator Management

• Flying Club Management

• Flight Attendant

• Flight Operations Supervisor

• Unmanned Aircraft Operations

• Transportation Security Administration

Some aviation-related career fields require study beyond the associate degree level. Students intending to transfer to a university in an aviation-related major should consider completing an associate degree in the Professional Aeronautics program.

**Item 3. Program Requirements**

|  |  |
| --- | --- |
| **COURSES REQUIRED FOR THE MAJOR:** | **UNITS** |
|  | AVIA 101 | Private Pilot Ground School  | 3 |
|  | AVIA 105 | Introduction to Aviation and Aerospace  | 3 |
|  | AVIA 125 | Aviation and Airport Management  | 3 |
|  | AVIA 133 | Human Factors in Aviation  | 3 |
|  | BUSE 119 | Business Communications  | 3 |
| *FAA-issued Private Pilot certificate satisfies the AVIA 101 requirement.* |

|  |  |
| --- | --- |
| **SELECT ONE OF THE FOLLOWING LEADERSHIP/MANAGEMENT-RELATED COURSES:** | **UNITS** |
|  | AVIA 128 | Group Dynamics for High Risk Teams  | 3 |
|  | BUSE 201 | Business Organization and Management  | 3 |
|  |

|  |  |
| --- | --- |
| **SELECT ONE OF THE FOLLOWING BUSINESS INFORMATION SYSTEMS-RELATED COURSES:** | **UNITS** |
|  | CBTE 180 | Microsoft Office  | 3 |
|  | CBTE 210 | Computers in Business  | 3 |
|  | CISC 181 | Principles of Information Systems  | 4 |
|  |

|  |  |
| --- | --- |
| **SELECT ONE OF THE FOLLOWING BUSINESS ECONOMICS-RELATED COURSES:** | **UNITS** |
|  | ACCT 116A | Financial Accounting  | 4 |
|  | ECON 121 | Principles of Microeconomics  | 3 |
|  |

|  |  |
| --- | --- |
| **SELECT AN ADDITIONAL THREE UNITS FROM THE FOLLOWING:** | **UNITS** |
|  | AVIA 101L | Private Pilot Flight Lab  | 1 |
|  | AVIA 115 | Aviation Weather  | 3 |
|  | AVIA 128 | Group Dynamics for High Risk Teams  | 3 |
|  | AVIA 228 | Group Dynamics II  | 3 |
|  | AVIA 270 | Aviation Operations Internship / Work Experience  | 1 - 4 |
|  | ACCT 116A | Financial Accounting  | 4 |
|  | ACCT 116B | Managerial Accounting  | 4 |
|  | BUSE 140 | Business Law and the Legal Environment  | 3 |
|  | BUSE 201 | Business Organization and Management  | 3 |
|  | CBTE 180 | Microsoft Office  | 3 |
|  | CBTE 210 | Computers in Business  | 3 |
|  | CISC 181 | Principles of Information Systems  | 4 |
|  | ECON 120 | Principles of Macroeconomics  | 3 |
|  | ECON 121 | Principles of Microeconomics  | 3 |
|  |
| *Courses must be taken for a letter grade if used to satisfy degree requirements.* |

|  |  |
| --- | --- |
| Total Units | 27 - 30 |

**Summary of the units required for the Associate of Science**

|  |  |
| --- | --- |
|  | **Units** |
| Major Requirements | 27-30 |
|  | **CSU** | **IGETC** | **LOCAL/DISTRICT** |
| Double Counted |  |  |  |
| General Education\* | NA | NA | 25 |
| Open Electives\*\* |  |  | 5 - 8  |
| **Total** | **60** |

\*Some courses may be applied to both major and general education requirements (i.e. “double counting”). Units associated with those courses are subtracted in order to arrive at an accurate calculation of total units required for the degree.

\*\*Electives as needed to meet minimum of 60 CSU-transferable units required for the degree.

**Item 4: Master Planning** (ways the program fits in the mission, curriculum, and master planning of the college and higher education in California):

The San Diego Community College District Master Plan includes the following district-level strategic goals:

1. Maximize student access, learning, and success through exemplary instruction and support services.
2. Strengthen our institutional effectiveness through innovation, continuous process and systems improvement, staff development, and enhanced internal collaboration.
3. Enhance collaborations with the community for increased responsiveness to its needs.
4. Ensure fiscal solvency through sound fiscal planning and management.
5. Lead in sustainable policies and practices.

The San Diego Miramar College (Miramar) Educational Master Plan includes the following college-level strategic goals:

1. Provide educational programs and services that are responsive to change and support student learning and success.
2. Deliver educational programs and services in formats and at locations that meet student needs.
3. Enhance the college experience for students and the community by providing student-centered programs, services and activities that celebrate diversity and sustainable practices.
4. Develop, strengthen and sustain beneficial partnerships with educational institutions, business and industry, and our community.

The Aviation Business Administration AS supports these goals by preparing students for employment as entry-level supervisors or managers in an aviation operations-related field. It is an existing degree at Miramar College that is being proposed for revision because one of the restricted elective course options (AVIA 277D) is being deactivated. No actual requirements are proposed to change in the degree.

**Item 5: Enrollment and Completer Projections** (projection of number of students to earn degree annually)

10 students earned this degree between 2013-14 and 2016-17. Enrollment in the courses themselves is significantly higher because the courses apply to a variety of other majors and transfer requirements.

**Item 6: Place of Program in Curriculum/Similar Programs** (ways the program fits in college’s existing program inventory)

The Aviation Business Administration AS is an existing degree at Miramar College. It is part of the Aviation Operations program, which includes a number of other degrees and certificates. The Aviation Business Administration AS is being proposed for revision because one course in the restricted elective list (AVIA 277D) is being deactivated. No actual requirements are proposed to change in the degree. The degree is not similar to any other degree offered at Miramar. The proposed revision is not connected to the termination or scaling down of another program or any other change in curriculum.

**Item 7: Similar Programs at Other Colleges in Service Area** (justification of need for program in the region)

No other college in Region 10 offers an FAA-certified aviation program. Again, this is an already-existing degree and is not being proposed to change in any significant way. This revision is just to remove one restricted elective option because the course is being deactivated.

**Item 8: Transfer preparation information** (If applicable, transfer preparation is a component of the program):

N/A