

MEMORANDUM

To: Dr. Martha Venn, Provost and Vice President for Academic Affairs

From: Dr. Mary Wearn, Provost's Leadership Fellow *Mary Wearn*

Date: October 22, 2012

Re: Approval of Curriculum for the School of Aviation for Middle Georgia State College

The attached curriculum is submitted for approval by the Academic Affairs Committee and for inclusion in the Middle Georgia State College 2013-2014 catalog. The following academic programs are included in this document:

Program	Status of Program for MSC
Aviation Maintenance Technology, AAS	New Program
Aircraft Structural Technology, AAS	New Program
Air Traffic, AAS	New Program
Avionics Technology, AAS	New Program
Flight Technology, AAS	New Program
Flight Technology-Helicopter, AAS	New Program
Business Administration and Aviation Management, AS	New Program
Economics, AS	New Program
Business Administration, BS (with tracks in Airline Management, Air Traffic Management, Flight Management Airplane, Flight Management Helicopter, Airport Management, Entrepreneurship/Small Business, Supply Chain Management)	New Program
Airline Management Certificate	New Program
Airport Management Certificate	New Program
Aviation Maintenance Technology Airframe Certificate	New Program
Aviation Maintenance Technology Airframe and Powerplant Certificate	New Program
Aviation Maintenance Technology Powerplant Certificate	New Program
Avionics Technology Certificate	New Program
Aircraft Structural Technology Certificate	New Program
Aircraft Structural Worker Certificate	New Program
Unmanned Aerial Systems Certificate	New Program
Air Transport Pilot Certificate	New Program
Commercial Pilot Airplane Certificate	New Program
Commercial Pilot Helicopter Certificate	New Program
Flight Instructor Airplane Certificate	New Program
Flight Instructor Helicopter Certificate	New Program
Flight Technology Airplane Certificate	New Program
Flight Technology Helicopter Certificate	New Program
Instrument Pilot Rating Airplane Certificate	New Program
Multi-Engine Pilot Airplane Certificate	New Program

Aviation Maintenance Technology (A.A.S.)

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit: 3 hours**
- ENGL 1102 - English Composition II **Credit: 3 hours**
- MATH 1111- College Algebra - **Credit: 3 hours**

Area B Credit: 2 Hours

Institutional Options – To Be Determined

Area D Credit: 4 Hours

Science, Math, and Technology

- PHYS 1011 K- Physical Science I - **Credit: 4 hours**

Area E Credit: 6 Hours

Social Sciences

- Take **one** of the following courses - **Credit: 3 hours**
HIST 2111 - United States History to 1865 - **Credit: 3 hours**
HIST 2112 – United States History since 1865 - **Credit: 3 hours**
- POLS 1101 - American Government - **Credit: 3 hours**

Area F Credit: 90 Hours

- AMTP 1000 - Aviation Math - **Credit: 3 hours**
- AMTP 1010 - Aircraft Maintenance Regulations - **Credit: 2 hours**
- AMTP 1020 - Aircraft Applied Science- **Credit: 9 hours**
- AMTP 1030 - Aircraft Electricity/Electronics - **Credit: 5 hours**
- AMTP 1210 - Aviation Physics - **Credit: 3 hours**
- AMTP 2010 - Aircraft Airframe Structures - **Credit: 4 hours**
- AMTP 2020 - Airframe Sheetmetal & Non-Metallic Structures - **Credit: 8 hours**
- AMTP 2040 - Airframe Assembly & Rigging - **Credit: 2 hours**
- AMTP 2050 - Airframe Inspections - **Credit: 3 hours**
- AMTP 2060 - Aircraft Hydraulic, Pneumatic & Landing Gear Systems - **Credit: 5 hours**
- AMTP 2080 - Aircraft Environmental Control Systems - **Credit: 7 hours**
- AMTP 2090 - Aircraft Electrical, Communication & Navigation Systems - **Credit: 6 hours**
- AMTP 2210 - Reciprocating Engine Powerplants - **Credit: 8 hours**
- AMTP 2230 - Gas Turbine Powerplants - **Credit: 6 hours**
- AMTP 2250 - Aircraft Engine Inspections - **Credit: 1 hours**
- AMTP 2260 - Aircraft Engine Fuel & Fuel Metering System - **Credit: 5 hours**
- AMTP 2270 - Aircraft Engine Electrical, Ignition & Starting Systems - **Credit: 7 hours**
- AMTP 2280 - Aircraft Powerplant Accessory Systems - **Credit: 6 hours**

Major Field: 90

Total Hours: 111

AIRCRAFT STRUCTURAL TECHNOLOGY (A.A.S.)

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit:** 3 hours
- ENGL 1102 - English Composition II **Credit:** 3 hours
- MATH 1111- College Algebra - **Credit:** 3 hours

Area B Credit: 2 Hours

Institutional Options – To Be Determined

Area C Credit: 3 hours

Humanities/Fine Arts

- Literature Elective - **Credit:** 3 hours

Area D Credit: 0 Hours

Science, Math, and Technology

Area E Credit: 9 Hours

Social Sciences

- POLS 1101 - American Government - **Credit:** 3 hours
- Take **one** of the following courses - **Credit:** 3 hours
 - HIST 2111 - United States History to 1865 - **Credit:** 3 hours
 - HIST 2112 – United States History since 1865 - **Credit:** 3 hours
- PSYC 1101- Introduction to Psychology - **Credit:** 3 hours

Area F Credit: 42 Hours

- ACES 1000 Aviation Career Employability Skills I - **Credit:** 3 hours
- ACES 1001 Aviation Career Employability Skills II - **Credit:** 3 hours
- ASTP 1000 Applied Technical Math - **Credit:** 3 hours
- ASTP 1010 Basic Blueprint Reading - **Credit:** 3 hours
- ASTP 1020 Aircraft Blueprint Reading - **Credit:** 3 hours
- ASTP 1037 Aircraft Aerodynamics & Structural Fundamentals - **Credit:** 6 hours
- ASTP 1090 Composites & Bonded Structures - **Credit:** 6 hours
- ASTP 1104 Structural Layout, Fabrication, & Sealants - **Credit:** 6 hours
- ASTP 1112 Aircraft Metallurgy & Corrosion Control - **Credit:** 6 hours
- ASTP 1158 Technical Publications & Aerospace Quality Control - **Credit:** 3 hours

Major Field: 42

Total Hours: 65

Air Traffic (A.A.S.)

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit: 3 hours**
- ENGL 1102 - English Composition II **Credit: 3 hours**
- MATH 1111- College Algebra - **Credit: 3 hours**

Area B Credit: 4 Hours

Institutional Options – To Be Determined

Area C Credit: 3 hours

Humanities/Fine Arts

- Literature Elective - **Credit: 3 hours**

Area D Credit: 4 Hours

Science, Math, and Technology

- Take **one** of the following courses - **Credit: 4 hours**
PHYS 1011 K- Physical Science I - **Credit: 4 hours**
PHYS 1012 K- Physical Science II - **Credit: 4 hours**

Area E Credit: 6 Hours

Social Sciences

- Take **one** of the following courses - **Credit: 3 hours**
HIST 2111 - United States History to 1865 - **Credit: 3 hours**
HIST 2112 – United States History since 1865 - **Credit: 3 hours**
- POLS 1101 - American Government - **Credit: 3 hours**

Area F Credit: 38 Hours

Major Field: 38

- AERO 1200 - Introduction to Air Traffic Control - **Credit: 3 hours**
- AERO 2102 - Aviation Meteorology - **Credit: 3 hours**
- AERO 2220 - IFR/Non-radar - **Credit: 3 hours**
- AERO 2104 - Aviation Safety - **Credit: 3 hours**
- AERO 2105 - Aviation Regulations - **Credit: 3 hours**
- AERO 1210 - ATC II - **Credit: 3 hours**
- AERO 2107 - Aviation Law - **Credit: 3 hours**
- AERO 2108 - Human Factors - **Credit: 3 hours**
- AERO 2200 - ATC III - **Credit: 3 hours**
- AERO 3201 - ATC Tower Operations - **Credit: 3 hours**
- AERO 3201L - ATC Tower Operations LAB - **Credit: 1 hours**
- AERO 3202 - Radar Operations I - **Credit: 3 hours**
- AERO 3202L - Radar Operations I LAB - **Credit: 1 hours**
- AERO 2210 - ATC IV - **Credit: 3 hours**

Total Hours: 64

Avionics Technology (A.A.S.)

Area A Credit: 6 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit:** 3 hours
- ENGL 1102 - English Composition II **Credit:** 3 hours
- MATH 1111- College Algebra - **Credit:** 3 hours

Area B Credit: 2 Hours

Institutional Options – To Be Determined

Area D Credit: 4 Hours

Science, Math, and Technology

- PHYS 1011 K- Physical Science I - **Credit:** 4 hours

Area E Credit: 6 Hours

Social Sciences

- Take **one** of the following courses - **Credit:** 3 hours
HIST 2111 - United States History to 1865 - **Credit:** 3 hours
HIST 2112 – United States History since 1865 - **Credit:** 3 hours
- POLS 1101 - American Government - **Credit:** 3 hours

Area F Credit: 97 Hours

- AMTP 1000 - Aviation Math - **Credit:** 3 hours
- AMTP 1010 - Aircraft Maintenance Regulations - **Credit:** 2 hours
- AMTP 1020 - Aircraft Applied Science- **Credit:** 9 hours
- AMTP 1030 - Aircraft Electricity/Electronics - **Credit:** 5 hours
- AMTP 1210 - Aviation Physics - **Credit:** 3 hours
- AMTP 2010 - Aircraft Airframe Structures - **Credit:** 4 hours
- AMTP 2020 - Airframe Sheetmetal & Non-Metallic Structures - **Credit:** 8 hours
- AMTP 2040 - Airframe Assembly & Rigging - **Credit:** 2 hours
- AMTP 2050 - Airframe Inspections - **Credit:** 3 hours
- AMTP 2060 - Aircraft Hydraulic, Pneumatic & Landing Gear Systems - **Credit:** 5 hours
- AMTP 2080 - Aircraft Environmental Control Systems - **Credit:** 7 hours
- AMTP 2090 - Aircraft Electrical, Communication & Navigation Systems - **Credit:** 6 hours
- AVNC 1000 - Intro to Aviation Electronics - **Credit:** 6 hours
- AVNC 1010 - Aircraft Communication Systems - **Credit:** 5 hours
- AVNC 1020 - Aircraft Navigation/Auto-Pilot Systems - **Credit:** 9 hours
- AVNC 1030 - Aircraft Electric/Electronic Systems Installation - **Credit:** 20 hours

Major Field: 97

Total Hours: 118

Flight Technology (A.A.S.)

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit:** 3 hours
- ENGL 1102 - English Composition II **Credit:** 3 hours
- MATH 1111- College Algebra - **Credit:** 3 hours

Area B Credit: 4 Hours

Institutional Options – To Be Determined

Area C Credit: 3 hours

Humanities/Fine Arts

- Literature Elective - **Credit:** 3 hours

Area D Credit: 4 Hours

Science, Math, and Technology

- Take **one** of the following courses - **Credit:** 4 hours
PHYS 1011 K- Physical Science I - **Credit:** 4 hours
PHYS 1012 K- Physical Science II - **Credit:** 4 hours

Area E Credit: 6 Hours

Social Sciences

- Take **one** of the following courses - **Credit:** 3 hours
HIST 2111 - United States History to 1865 - **Credit:** 3 hours
HIST 2112 – United States History since 1865 - **Credit:** 3 hours
- POLS 1101 - American Government - **Credit:** 3 hours

Area F Credit: 39 Hours

- AERO 2102 Aviation Meteorology **Credit:** 3 hours
- AERO 2104 Aviation Safety **Credit:** 3 hours
- AERO 2105 Aviation Regulations **Credit:** 3 hours
- AERO 2103 Flight Principles **Credit:** 3 hours
- AERO 2106 Private Pilot GS **Credit:** 3 hours
- AERO 2108 Human Factors **Credit:** 3 hours
- AERO 3106 Private Pilot Flight **Credit:** 1 hours
- AERO 3107 Instrument Pilot Ground School **Credit:** 3 hours
- AERO 3018 Instrument Pilot Flight **Credit:** 1 hours
- AERO 3019 Commercial Pilot GS Single Engine **Credit:** 3 hours
- AERO 3020 Commercial Pilot FLT Single Engine **Credit:** 1 hours
- AERO 3021 Commercial Pilot GS Multi- Engine **Credit:** 3 hours
- AERO 3022 Commercial Pilot FLT Multi- Engine **Credit:** 1 hours
- AERO 3023 Flight Instructor I Ground School **Credit:** 3 hours
- AERO 3024 Flight Instructor I Flight **Credit:** 1 hours
- AERO 3025 Flight Instructor II Ground School **Credit:** 3 hours
- AERO 3026 Flight Instructor II Flight **Credit:** 1 hours

Major Field: 39

Total Hours: 65

Flight Technology-Helicopter (A.A.S.)

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit: 3 hours**
- ENGL 1102 - English Composition II **Credit: 3 hours**
- MATH 1111- College Algebra - **Credit: 3 hours**

Area B Credit: 4 Hours

Institutional Options – To Be Determined

Area C Credit: 3 hours

Humanities/Fine Arts

- Literature Elective - **Credit: 3 hours**

Area D Credit: 4 Hours

Science, Math, and Technology

- Take **one** of the following courses - **Credit: 4 hours**
PHYS 1011 K- Physical Science I - **Credit: 4 hours**
PHYS 1012 K- Physical Science II - **Credit: 4 hours**

Area E Credit: 6 Hours

Social Sciences

- Take **one** of the following courses - **Credit: 3 hours**
HIST 2111 - United States History to 1865 - **Credit: 3 hours**
HIST 2112 – United States History since 1865 - **Credit: 3 hours**
- POLS 1101 - American Government - **Credit: 3 hours**

Area F Credit: 39 Hours

- AERO 2102 Aviation Meteorology **Credit: 3**
- AERO 2104 Aviation Safety **Credit: 3**
- AERO 2105 Aviation Regulations **Credit: 3**
- AERO 2103 Flight Principles **Credit: 3**
- AERO 2106 Private Pilot GS **Credit: 3**
- AERO 2107 Aviation Law **Credit: 3**
- AERO 2108 Human Factors **Credit: 3**
- AERO 3081 Private Pilot Helio Flight **Credit: 1**
- AERO 3107 Instrument Pilot GS **Credit: 3**
- AERO 3083 Instrument Pilot Flt I **Credit: 1**
- AERO 3084 Instrument Pilot Flt Helio II **Credit: 1**
- AERO 3019 Commercial Pilot SE GS **Credit: 3**
- AERO 3085 Commercial Pilot Flight Helio **Credit: 1**
- AERO 3023 Flight Instructor I GS **Credit: 3**
- AERO 3087 Flight Instructor I Flight **Credit: 1**
- AERO 3025 Flight Instructor II GS **Credit: 3**
- AERO 3089 Flight Instructor II Flight **Credit: 1**

Major Field: 39

Total Hours: 65

Business Administration and Aviation Management (A.S.)

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit:** 3 hours
- ENGL 1102 - English Composition II **Credit:** 3 hours
- MATH 1111- College Algebra - **Credit:** 3 hours

Area B Credit: 4 Hours

Institutional Options – To Be Determined

Area C Credit: 6 hours

Humanities/Fine Arts

- Literature Elective **Credit:** 3 hours
- Area C Elective **Credit:** 3 hours

Area D Credit: 11 Hours

Science, Math, and Technology

- PHYS 101K - Physical Science I - **Credit:** 4 hours
- PHYS 1012K - Physical Science II - **Credit:** 4 hours
- MATH 1200- Elementary Statistics- **Credit:** 3 hours

Area E Credit: 12 Hours

Social Sciences

- Take **one** of the following courses - **Credit:** 3 hours
HIST 2111 - United States History to 1865 **Credit:** 3 hours
HIST 2112 – United States History since 1865 **Credit:** 3 hours
- POLS 1101 - American Government **Credit:** 3 hours
- Area E Global Perspectives Elective **Credit:** 3 hours
Choose from the following courses:
HIST 1111 - History of World Civilizations to 1650 **Credit:** 3 hours
HIST 1112 - History of World Civilizations Since 1650 **Credit:** 3 hours
POLS 2301 - Introduction to Comparative Politics **Credit:** 3 hours
POLS 2401 - Introduction to Global Issues **Credit:** 3 hours
- PSYC 1101 - Introduction to Psychology - **Credit:** 3 hours

Area F Credit: 18 Hours

Major Field

- ACCT 2101* - Principles of Accounting I - **Credit:** 3 hours
- ACCT 2102* - Principles of Accounting II - **Credit:** 3 hours
- Take **one** of the following courses - **Credit:** 3 hours
BUSA 2201* - Fundamentals of Computer Apps - **Credit:** 3 hours
ITEC 2201 - Fundamentals of Computer Apps - **Credit:** 3 hours
- ECON 2105* - Principles of Macroeconomics - **Credit:** 3 hours
- ECON 2106* - Principles of Microeconomics - **Credit:** 3 hours
- Take **one** of the following courses - **Credit:** 3 hours
BUSA 1105* - Introduction to Business - **Credit:** 3 hours
BUSA 2105* - Communication in the Business Environment - **Credit:** 3 hours

*These general business courses, when taken by aviation majors at the Cochran or Eastman campus, include modeling and examples that are related to airline and aviation industry applications.

Total Hours in Major: 18 hours

Total Hours: 60 hours

Business Administration (B.S.) Airline Management

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit: 3 hours**
- ENGL 1102 - English Composition II **Credit: 3 hours**
- MATH 1111- College Algebra - **Credit: 3 hours**

Area B Credit: 4 Hours

Institutional Options – To Be Determined

Area C Credit: 6 hours

Humanities/Fine Arts

- Literature Elective **Credit: 3 hours**
- Area C Elective **Credit: 3 hours**

Area D Credit: 11 Hours

Science, Math, and Technology

- PHYS 1011K - Physical Science I - **Credit: 4 hours**
- PHYS 1012 K - Physical Science II - **Credit: 4 hours**
- MATH 1200- Elementary Statistics- **Credit: 3 hours**

Area E Credit: 12 Hours

Social Sciences

- Take **one** of the following courses - **Credit: 3 hours**
HIST 2111 - United States History to 1865 **Credit: 3 hours**
HIST 2112 – United States History since 1865 **Credit: 3 hours**
- POLS 1101 - American Government **Credit: 3 hours**
- Area E Global Perspectives Elective **Credit: 3 hours**
Choose from the following courses:
HIST 1111 - History of World Civilizations to 1650 **Credit: 3 hours**
HIST 1112 - History of World Civilizations Since 1650 **Credit: 3 hours**
POLS 2301 - Introduction to Comparative Politics **Credit: 3 hours**
POLS 2401 - Introduction to Global Issues **Credit: 3 hours**
- PSYC 1101 - Introduction to Psychology - **Credit: 3 hours**

Total Hours: 42 hours

Area F Credit: 18 Hours

Major Field

- ACCT 2101* - Principles of Accounting I - **Credit: 3 hours**
- ACCT 2102* - Principles of Accounting II - **Credit: 3 hours**
- Take **one** of the following courses - **Credit: 3 hours**
BUSA 2201* - Fundamentals of Computer Apps - **Credit: 3 hours**
ITEC 2201 - Fundamentals of Computer Apps - **Credit: 3 hours**
- ECON 2105* - Principles of Macroeconomics - **Credit: 3 hours**
- ECON 2106* - Principles of Microeconomics - **Credit: 3 hours**
- Take **one** of the following courses - **Credit: 3 hours**
BUSA 1105* - Introduction to Business - **Credit: 3 hours**
BUSA 2105* - Communication in the Business Environment - **Credit: 3 hours**

Business Core Credit: 15 hours

- BUSA 3101* - Business Ethics - **Credit:** 3 hours
- FINA 3110* - Principles of Finance - **Credit:** 3 hours
- MGMT 3141* - Principles of Management - **Credit:** 3 hours
- MGMT 4103* - Business Policy - **Credit:** 3 hours
- MKTG 3161 - Principles of Marketing - **Credit:** 3 hours

Major Requirements Credit: 45 hours

- AERO 1200 - Introduction to Air Traffic Control- **Credit:** 3 hours
- AERO 2104 - Aviation Safety - **Credit:** 3 hours
- AERO 2105 - Aviation Regulations - **Credit:** 3 hours
- AERO 2107 - Aviation Law - **Credit:** 3 hours
- AERO 2220 - IFR/Non-radar - **Credit:** 3 hours
- MGMT 3101* - Business Statistics - **Credit:** 3 hours (already exists at MSC)
- MGMT 3102* - Human Resource Management - **Credit:** 3 hours
- MGMT 3107* - Fundamentals of Operations Management - **Credit:** 3 hours
- AMGT 3203 - Airport Management - **Credit:** 3 hours
- MGMT 3314* - Purchasing and Supply Mgt - **Credit:** 3 hours
- AMGT 3405 - International Airline Business - **Credit:** 3 hours
- AMGT 3210 - Airline Management - **Credit:** 3 hours
- AMGT 4407 - Airline Technical Operations - **Credit:** 3 hours
- AMGT 4410 - Airline Financial Management - **Credit:** 3 hours
- AMKT 3209 - Airline Marketing- **Credit:** 3 hours

*These general business courses, when taken by aviation majors at the Cochran or Eastman campus, include modeling and examples that are related to airline and aviation industry applications.

Total Hours in Major: 78 hours

Total Hours: 120 hours

Business Administration (B.S.) Air Traffic Management

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit:** 3 hours
- ENGL 1102 - English Composition II **Credit:** 3 hours
- MATH 1111- College Algebra - **Credit:** 3 hours

Area B Credit: 4 Hours

Institutional Options – To Be Determined

Area C Credit: 6 hours

Humanities/Fine Arts

- Literature Elective **Credit:** 3 hours
- Area C Elective **Credit:** 3 hours

Area D Credit: 11 Hours

Science, Math, and Technology

- PHYS 1011K - Physical Science I - **Credit:** 4 hours
- PHYS 1012K - Physical Science II - **Credit:** 4 hours
- MATH 1200- Elementary Statistics- **Credit:** 3 hours

Area E Credit: 12 Hours

Social Sciences

- Take **one** of the following courses - **Credit:** 3 hours
HIST 2111 - United States History to 1865 **Credit:** 3 hours
HIST 2112 – United States History since 1865 **Credit:** 3 hours
- POLS 1101 - American Government **Credit:** 3 hours
- Area E Global Perspectives Elective **Credit:** 3 hours
Choose from the following courses:
HIST 1111 - History of World Civilizations to 1650 **Credit:** 3 hours
HIST 1112 - History of World Civilizations Since 1650 **Credit:** 3 hours
POLS 2301 - Introduction to Comparative Politics **Credit:** 3 hours
POLS 2401 - Introduction to Global Issues **Credit:** 3 hours
- PSYC 1101 - Introduction to Psychology - **Credit:** 3 hours

Total Hours: 42 hours

Area F Credit: 18 Hours

Major Field

- ACCT 2101* - Principles of Accounting I - **Credit:** 3 hours
- ACCT 2102* - Principles of Accounting II - **Credit:** 3 hours
- Take **one** of the following courses - **Credit:** 3 hours
BUSA 2201* - Fundamentals of Computer Apps - **Credit:** 3 hours
ITEC 2201 - Fundamentals of Computer Apps - **Credit:** 3 hours
- ECON 2105* - Principles of Macroeconomics - **Credit:** 3 hours
- ECON 2106* - Principles of Microeconomics - **Credit:** 3 hours
- Take **one** of the following courses - **Credit:** 3 hours
BUSA 1105* - Introduction to Business - **Credit:** 3 hours
BUSA 2105* - Communication in the Business Environment - **Credit:** 3 hours

Business Core Credit: 15 hours

- BUSA 3101* - Business Ethics - **Credit: 3 hours**
- FINA 3110* - Principles of Finance - **Credit: 3 hours**
- MGMT 3141* - Principles of Management - **Credit: 3 hours**
- MGMT 4103* - Business Policy - **Credit: 3 hours**
- MKTG 3161* - Principles of Marketing - **Credit: 3 hours**

Major Requirements Credit: 45 hours

- AERO - 1200-Introduction to Air Traffic Control- **Credit: 3 hours**
- AERO - 1210-ATC II- **Credit: 3 hours**
- AERO - 2102-Aviation Meteorology- **Credit: 3 hours**
- AERO - 2104-Aviation Safety- **Credit: 3 hours**
- AERO - 2105-Aviation Regulations- **Credit: 3 hours**
- AERO - 2107-Aviation Law - **Credit: 3 hours**
- AERO - 2108-Human Factors- **Credit: 3 hours**
- AERO - 2200-ATC III- **Credit: 3 hours**
- AERO - 2210-ATC IV- **Credit: 3 hours**
- AERO - 2220-Instrument Flight and Non-Radar- **Credit: 3 hours**
- AERO - 3201-ATC Tower Operations - **Credit: 3 hours**
- AERO - 3201L-Lab-ATC Tower Operations - **Credit: 1 hours**
- AERO - 3202-Radar Operations I - **Credit: 3 hours**
- AERO - 3202L-Radar Operations I Lab- **Credit: 1 hours**
- MGMT - 3102-Human Resource Management- **Credit: 3 hours**
- AMGT - 3210-Airline Management- **Credit: 3 hours**

*These general business courses, when taken by aviation majors at the Cochran or Eastman campus, include modeling and examples that are related to airline and aviation industry applications.

Total Hours in Major: 78 hours

Total Hours: 120 hours

Business Administration (B.S.) Flight Management Airplane

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit:** 3 hours
- ENGL 1102 - English Composition II **Credit:** 3 hours
- MATH 1111- College Algebra - **Credit:** 3 hours

Area B Credit: 4 Hours

Institutional Options – To Be Determined

Area C Credit: 6 hours

Humanities/Fine Arts

- Literature Elective **Credit:** 3 hours
- Area C Elective **Credit:** 3 hours

Area D Credit: 11 Hours

Science, Math, and Technology

- PHYS 1011K - Physical Science I - **Credit:** 4 hours
- PHYS 1012 K - Physical Science II - **Credit:** 4 hours
- MATH 1200- Elementary Statistics- **Credit:** 3 hours

Area E Credit: 12 Hours

Social Sciences

- Take **one** of the following courses - **Credit:** 3 hours
HIST 2111 - United States History to 1865 **Credit:** 3 hours
HIST 2112 – United States History since 1865 **Credit:** 3 hours
- POLS 1101 - American Government **Credit:** 3 hours
- Area E Global Perspectives Elective **Credit:** 3 hours
Choose from the following courses:
HIST 1111 - History of World Civilizations to 1650 **Credit:** 3 hours
HIST 1112 - History of World Civilizations Since 1650 **Credit:** 3 hours
POLS 2301 - Introduction to Comparative Politics **Credit:** 3 hours
POLS 2401 - Introduction to Global Issues **Credit:** 3 hours
- PSYC 1101 - Introduction to Psychology - **Credit:** 3 hours

Total Hours: 42 hours

Area F Credit: 18 Hours

Major Field

- ACCT 2101* - Principles of Accounting I - **Credit:** 3 hours
- ACCT 2102* - Principles of Accounting II - **Credit:** 3 hours
- Take **one** of the following courses - **Credit:** 3 hours
BUSA 2201* - Fundamentals of Computer Apps - **Credit:** 3 hours
ITEC 2201 - Fundamentals of Computer Apps - **Credit:** 3 hours
- ECON 2105* - Principles of Macroeconomics - **Credit:** 3 hours
- ECON 2106* - Principles of Microeconomics - **Credit:** 3 hours
- Take **one** of the following courses - **Credit:** 3 hours
BUSA 1105* - Introduction to Business - **Credit:** 3 hours
BUSA 2105* - Communication in the Business Environment - **Credit:** 3 hours

Business Core Credit: 15 hours

- BUSA 3101* - Business Ethics - **Credit: 3** hours
- FINA 3110* - Principles of Finance - **Credit: 3** hours
- MGMT 3141* - Principles of Management - **Credit: 3** hours
- MGMT 4103* - Business Policy - **Credit: 3** hours
- MKTG 3161* - Principles of Marketing - **Credit: 3** hours

Major Requirements Credit: 45 hours

- AERO - 2102-Aviation Meteorology- **Credit: 3**
- AERO - 2104-Aviation Safety- **Credit: 3**
- AERO - 2105-Aviation Regulations- **Credit: 3**
- AERO - 2106-Private Pilot Ground School- **Credit: 3**
- AERO - 2107-Aviation Law - **Credit: 3**
- AERO - 2108-Human Factors- **Credit: 3**
- AERO - 3106-Private Pilot Flight- **Credit: 1**
- AERO - 3107-Instrument Pilot Ground School- **Credit: 3**
- AERO - 3018-Instrument Pilot Flight- **Credit: 1**
- AERO - 3019-Commercial Pilot GS Single Engine **Credit: 2**
- AERO - 3020-Commercial Pilot FLT Single Engine- **Credit: 1**
- AERO - 3021-Commercial Pilot GS Multi- Engine- **Credit: 2**
- AERO - 3022-Commercial Pilot FLT Multi- Engine- **Credit: 1**
- AERO - 3023-Flight Instructor I Ground School- **Credit: 3**
- AERO - 3024-Flight Instructor I Flight- **Credit: 1**
- AERO - 3025-Flight Instructor II Ground School- **Credit: 2**
- AERO - 3026-Flight Instructor II Flight- **Credit: 1**
- AERO - 4001-Advanced Aerodynamics- **Credit: 3**
- AERO - 4002-Advanced Navigation- **Credit: 3**
- AMGT - 3210-Airline Management- **Credit: 3**

*These general business courses, when taken by aviation majors at the Cochran or Eastman campus, include modeling and examples that are related to airline and aviation industry applications.

- **Total Hours in Major: 78 hours**
- **Total Hours: 120 hours**

Business Administration (B.S.) Flight Management Helicopter

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit:** 3 hours
- ENGL 1102 - English Composition II **Credit:** 3 hours
- MATH 1111- College Algebra - **Credit:** 3 hours

Area B Credit: 4 Hours

Institutional Options – To Be Determined

Area C Credit: 6 hours

Humanities/Fine Arts

- Literature Elective **Credit:** 3 hours
- Area C Elective **Credit:** 3 hours

Area D Credit: 11 Hours

Science, Math, and Technology

- PHYS 1011K - Physical Science I - **Credit:** 4 hours
- PHYS 1012 K- Physical Science II - **Credit:** 4 hours
- MATH 1200- Elementary Statistics- **Credit:** 3 hours

Area E Credit: 12 Hours

Social Sciences

- Take **one** of the following courses - **Credit:** 3 hours
HIST 2111 - United States History to 1865 **Credit:** 3 hours
HIST 2112 – United States History since 1865 **Credit:** 3 hours
- POLS 1101 - American Government **Credit:** 3 hours
- Area E Global Perspectives Elective **Credit:** 3 hours
Choose from the following courses:
HIST 1111 - History of World Civilizations to 1650 **Credit:** 3 hours
HIST 1112 - History of World Civilizations Since 1650 **Credit:** 3 hours
POLS 2301 - Introduction to Comparative Politics **Credit:** 3 hours
POLS 2401 - Introduction to Global Issues **Credit:** 3 hours
- PSYC 1101 - Introduction to Psychology - **Credit:** 3 hours

Total Hours: 42 hours

Area F Credit: 18 Hours

Major Field

- ACCT 2101* - Principles of Accounting I - **Credit:** 3 hours
- ACCT 2102* - Principles of Accounting II - **Credit:** 3 hours
- Take **one** of the following courses - **Credit:** 3 hours
BUSA 2201* - Fundamentals of Computer Apps - **Credit:** 3 hours
ITEC 2201 - Fundamentals of Computer Apps - **Credit:** 3 hours
- ECON 2105* - Principles of Macroeconomics - **Credit:** 3 hours
- ECON 2106* - Principles of Microeconomics - **Credit:** 3 hours
- Take **one** of the following courses - **Credit:** 3 hours
BUSA 1105* - Introduction to Business - **Credit:** 3 hours
BUSA 2105* - Communication in the Business Environment - **Credit:** 3 hours

Business Core Credit: 15 hours

- BUSA 3101* - Business Ethics - **Credit:** 3 hours
- FINA 3110* - Principles of Finance - **Credit:** 3 hours
- MGMT 3141* - Principles of Management - **Credit:** 3 hours
- MGMT 4103* - Business Policy - **Credit:** 3 hours
- MKTG 3161* - Principles of Marketing - **Credit:** 3 hours

Major Requirements Credit: 45 hours

- AERO - 2102-Aviation Meteorology- **Credit:** 3 hours
- AERO - 2104-Aviation Safety- **Credit:** 3 hours
- AERO - 2105-Aviation Regulations- **Credit:** 3 hours
- AERO - 2106-Private Pilot Ground School- **Credit:** 3 hours
- AERO - 2107-Aviation Law - **Credit:** 3 hours
- AERO - 2108-Human Factors- **Credit:** 3 hours
- AERO -3081-Private Pilot Flight Helicopter- **Credit:** 1 hours
- AERO- 3107-Instrument Pilot Ground School- **Credit:** 3 hours
- AERO- 3083- Instrument Pilot Flight Helicopter I- **Credit:** 1 hours
- AERO- 3084- Instrument Pilot Flight Helicopter II- **Credit:** 1 hours
- AERO- 3019-Commercial Pilot Ground School - **Credit:** 2 hours
- AERO- 3085-Commercial Pilot Flight Helicopter- **Credit:** 1 hours
- AERO- 3023-Flight Instructor I Ground School- **Credit:** 3 hours
- AERO- 3087-Flight Instructor I Flight Helicopter- **Credit:** 1 hours
- AERO- 3025- Flight Instructor II Ground School- **Credit:** 2 hours
- AERO- 3089- Flight Instructor II Flight Helicopter- **Credit:** 1 hours
- AERO - 4001-Advanced Aerodynamics- **Credit:** 3 hours
- AERO - 4002-Advanced Navigation- **Credit:** 3 hours
- Choose from following electives- **Credit:** 5 hours
- AERO – 4008 - Helicopter Sling Load Flight - **Credit:** 2 hours
- AERO - 4012 - Helicopter Night Vision Goggles Flight- **Credit:** 2 hours
- AMGT – 3203 - Airport Management- **Credit:** 3 hours
- AMGT - 3210-Airline Management- **Credit:** 3 hours

*These general business courses, when taken by aviation majors at the Cochran or Eastman campus, include modeling and examples that are related to airline and aviation industry applications.

- **Total Hours in Major: 78 hours**
- **Total Hours: 120 hours**

Business Administration (B.S.) Airport Management

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit:** 3 hours
- ENGL 1102 - English Composition II **Credit:** 3 hours
- MATH 1111- College Algebra - **Credit:** 3 hours

Area B Credit: 4 Hours

Institutional Options – To Be Determined

Area C Credit: 6 hours

Humanities/Fine Arts

- Literature Elective **Credit:** 3 hours
- Area C Elective **Credit:** 3 hours

Area D Credit: 11 Hours

Science, Math, and Technology

- PHYS 1011K - Physical Science I - **Credit:** 4 hours
- PHYS 1012K - Physical Science II - **Credit:** 4 hours
- MATH 1200- Elementary Statistics- **Credit:** 3 hours

Area E Credit: 12 Hours

Social Sciences

- Take **one** of the following courses - **Credit:** 3 hours
HIST 2111 - United States History to 1865 **Credit:** 3 hours
HIST 2112 – United States History since 1865 **Credit:** 3 hours
- POLS 1101 - American Government **Credit:** 3 hours
- Area E Global Perspectives Elective **Credit:** 3 hours
Choose from the following courses:
HIST 1111 - History of World Civilizations to 1650 **Credit:** 3 hours
HIST 1112 - History of World Civilizations Since 1650 **Credit:** 3 hours
POLS 2301 - Introduction to Comparative Politics **Credit:** 3 hours
POLS 2401 - Introduction to Global Issues **Credit:** 3 hours
- PSYC 1101 - Introduction to Psychology - **Credit:** 3 hours

Total Hours: 42 hours

Area F Credit: 18 Hours

Major Field

- ACCT 2101* - Principles of Accounting I - **Credit:** 3 hours
- ACCT 2102* - Principles of Accounting II - **Credit:** 3 hours
- Take **one** of the following courses - **Credit:** 3 hours
BUSA 2201* - Fundamentals of Computer Apps - **Credit:** 3 hours
ITEC 2201 - Fundamentals of Computer Apps - **Credit:** 3 hours
- ECON 2105* - Principles of Macroeconomics - **Credit:** 3 hours
- ECON 2106* - Principles of Microeconomics - **Credit:** 3 hours
- Take **one** of the following courses - **Credit:** 3 hours
BUSA 1105* - Introduction to Business - **Credit:** 3 hours
BUSA 2105* - Communication in the Business Environment - **Credit:** 3 hours

Business Core Credit: 15 hours

- BUSA 3101* - Business Ethics - **Credit:** 3 hours
- FINA 3110* - Principles of Finance - **Credit:** 3 hours
- MGMT 3141* - Principles of Management - **Credit:** 3 hours
- MGMT 4103* – Business Policy - **Credit:** 3 hours
- MKTG 3161* - Principles of Marketing - **Credit:** 3 hours

Major Requirements Credit: 45 hours

- AERO 2104 - Aviation Safety - **Credit:** 3 hour
- AERO 2105 - Aviation Regulations - **Credit:** 3 hours
- AERO 2107 - Aviation Law & Insurance - **Credit:** 3 hours
- AERO 2220 – IFR/Non-radar - **Credit:** 3 hours
- MGMT 3101* – Business Statistics - **Credit:** 3 hours
- MGMT 2301* – Introduction to Logistics - **Credit:** 3 hours
- MGMT 3102* - Human Resource Management - **Credit:** 3 hours
- MGMT 3107* - Fundamentals of Operations Management - **Credit:** 3 hours
- AMGT 3203 - Airport Management - **Credit:** 3 hours
- AMGT 3205 – Airport Plng. Const. & Environmental - **Credit:** 3 hours
- AMGT 3209 – Airport Leg. Affairs, Mkg., Comm. Dev. - **Credit:** 3 hours
- MGMT 3314* - Purchasing and Supply Management - **Credit:** 3 hours
- AMGT 4207 – Airport Operations, Security, & Maint.. - **Credit:** 3 hours
- AMGT 4211 – Airport Finance and Administration - **Credit:** 3 hours
- MGMT 4301* - Principles of Transportation - **Credit:** 3 hours

*These general business courses, when taken by aviation majors at the Cochran or Eastman campus, include modeling and examples that are related to airline and aviation industry applications.

Total Hours in Major: 78 hours

Total Hours: 120 hours

Business Administration (B.S.) Entrepreneurship / Small Business

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit: 3 hours**
- ENGL 1102 - English Composition II **Credit: 3 hours**
- MATH 1111- College Algebra - **Credit: 3 hours**

Area B Credit: 4 Hours

Institutional Options – To Be Determined

Area C Credit: 6 hours

Humanities/Fine Arts

- Literature Elective **Credit: 3 hours**
- Area C Elective **Credit: 3 hours**

Area D Credit: 11 Hours

Science, Math, and Technology

- PHYS 1011 K- Physical Science I - **Credit: 4 hours**
- PHYS 1012 K- Physical Science II - **Credit: 4 hours**
- MATH 1200- Elementary Statistics- **Credit: 3 hours**

Area E Credit: 12 Hours

Social Sciences

- Take **one** of the following courses - **Credit: 3 hours**
HIST 2111 - United States History to 1865 **Credit: 3 hours**
HIST 2112 – United States History since 1865 **Credit: 3 hours**
- POLS 1101 - American Government **Credit: 3 hours**
- Area E Global Perspectives Elective **Credit: 3 hours**
Choose from the following courses:
HIST 1111 - History of World Civilizations to 1650 **Credit: 3 hours**
HIST 1112 - History of World Civilizations Since 1650 **Credit: 3 hours**
POLS 2301 - Introduction to Comparative Politics **Credit: 3 hours**
POLS 2401 - Introduction to Global Issues **Credit: 3 hours**
- PSYC 1101 - Introduction to Psychology - **Credit: 3 hours**

Total Hours: 42 hours

Area F Credit: 18 Hours

Major Field

- ACCT 2101* - Principles of Accounting I - **Credit: 3 hours**
- ACCT 2102* - Principles of Accounting II - **Credit: 3 hours**
- Take **one** of the following courses - **Credit: 3 hours**
BUSA 2201* - Fundamentals of Computer Apps - **Credit: 3 hours**
ITEC 2201 - Fundamentals of Computer Apps - **Credit: 3 hours**
- ECON 2105* - Principles of Macroeconomics - **Credit: 3 hours**
- ECON 2106* - Principles of Microeconomics - **Credit: 3 hours**
- Take **one** of the following courses - **Credit: 3 hours**
BUSA 1105* - Introduction to Business - **Credit: 3 hours**
BUSA 2105* - Communication in the Business Environment - **Credit: 3 hours**

Business Core Credit: 15 hours

- BUSA 3101* - Business Ethics - **Credit:** 3 hours
- Take **one** of the following courses – **Credit:** 3 hours
FINA3110* – Principles of Finance- **Credit:** 3 hours
FINA 3410* – Principles of Finance for Sml Bus - **Credit:** 3 hours
- MGMT 3141* - Principles of Management - **Credit:** 3 hours
- MGMT 4103* – Business Policy - **Credit:** 3 hours
- MKTG 3161* - Principles of Marketing - **Credit:** 3 hours

Major Requirements Credit: 45 hours

- MGMT 3101 * – Business Statistics- **Credit:** 3 hours
- MGMT 3102* - Human Resource Management - **Credit:** 3 hours
- MGMT 3107* - Fundamentals of Operations Management - **Credit:** 3 hours
- MGMT 3314* - Purchasing and Supply Management - **Credit:** 3 hours
- MGMT 3408 – Fundamentals of Entrepreneurship/Small Business - **Credit:** 3 hours
- MGMT 3410 – Family Business Management - **Credit:** 3 hours
- MKTG 3409 – Small Business Marketing - **Credit:** 3 hours
- Choose **eight** approved Entrepreneurship/Small Business elective courses - **Credit:** 24 hours

*These general business courses, when taken by aviation majors at the Cochran or Eastman campus, include modeling and examples that are related to airline and aviation industry applications.

Total Hours in Major: 78 hours

Total Hours: 120 hours

Business Administration (B.S.) Supply Chain Management

Area A Credit: 9 hours

Essential Skills

- ENGL 1101 - English Composition I **Credit: 3 hours**
- ENGL 1102 - English Composition II **Credit: 3 hours**
- MATH 1111- College Algebra - **Credit: 3 hours**

Area B Credit: 4 Hours

Institutional Options – To Be Determined

Area C Credit: 6 hours

Humanities/Fine Arts

- Literature Elective **Credit: 3 hours**
- Area C Elective **Credit: 3 hours**

Area D Credit: 11 Hours

Science, Math, and Technology

- PHYS 1011K - Physical Science I - **Credit: 4 hours**
- PHYS 1012K - Physical Science II - **Credit: 4 hours**
- MATH 1200- Elementary Statistics- **Credit: 3 hours**

Area E Credit: 12 Hours

Social Sciences

- Take **one** of the following courses - **Credit: 3 hours**
HIST 2111 - United States History to 1865 **Credit: 3 hours**
HIST 2112 – United States History since 1865 **Credit: 3 hours**
- POLS 1101 - American Government **Credit: 3 hours**
- Area E Global Perspectives Elective **Credit: 3 hours**
Choose from the following courses:
HIST 1111 - History of World Civilizations to 1650 **Credit: 3 hours**
HIST 1112 - History of World Civilizations Since 1650 **Credit: 3 hours**
POLS 2301 - Introduction to Comparative Politics **Credit: 3 hours**
POLS 2401 - Introduction to Global Issues **Credit: 3 hours**
- PSYC 1101 - Introduction to Psychology - **Credit: 3 hours**

Total Hours: 42 hours

Area F Credit: 18 Hours

Major Field

- ACCT 2101* - Principles of Accounting I - **Credit: 3 hours**
- ACCT 2102* - Principles of Accounting II - **Credit: 3 hours**
- Take **one** of the following courses - **Credit: 3 hours**
BUSA 2201* - Fundamentals of Computer Apps - **Credit: 3 hours**
ITEC 2201 - Fundamentals of Computer Apps - **Credit: 3 hours**
- ECON 2105* - Principles of Macroeconomics - **Credit: 3 hours**
- ECON 2106* - Principles of Microeconomics - **Credit: 3 hours**
- Take **one** of the following courses - **Credit: 3 hours**
BUSA 1105* - Introduction to Business - **Credit: 3 hours**
BUSA 2105* - Communication in the Business Environment - **Credit: 3 hours**

Business Core Credit: 15 hours

- BUSA 3101* - Business Ethics - **Credit:** 3 hours
- FINA 3110* - Principles of Finance - **Credit:** 3 hours
- MGMT 3141 - Principles of Management - **Credit:** 3 hours
- MGMT 4103* – Business Policy - **Credit:** 3 hours
- MKTG 3161 * - Principles of Marketing - **Credit:** 3 hours

Major Requirements Credit: 45 hours

- AERO 2104 – Aviation Safety – **Credit:** 3 hours
- AERO 2105 – Aviation Regulations – **Credit:** 3 hours
- AERO 2107 – Aviation Law – **Credit:** - 3 hours
- MGMT 301 * – Business Statistics- **Credit:** 3 hours
- MGMT 2301* – Introduction To Logistics - **Credit:** 3 hours
- MGMT 3102* – Human Resource Management - **Credit:** 3 hours
- MGMT 3104* – International Business - **Credit:** 3 hours
- MGMT 3107* - Fundamentals of Operations Management - **Credit:** 3 hours
- MGMT 3314* - Purchasing and Supply Management - **Credit:** 3 hours
- AMGT 3203 – Airport Management – **Credit:** 3 hours
- MGMT 4301* – Principles of Transportation - **Credit:** 3 hours
- MGMT 4302* – Supply Chain Management - **Credit:** 3 hours
- MGMT 4304* – International Supply Chain Management - **Credit:** 3 hours
- Choose **two** approved Supply Chain Management elective courses - **Credit:** 6 hours

*These general business courses, when taken by aviation majors at the Cochran or Eastman campus, include modeling and examples that are related to airline and aviation industry applications.

Total Hours in Major: 78 hours

Total Hours: 120 hours

Airline Management Certificate (Less than 1 year)

AMGT 3210 – Airline Management – **Credit:** 3 hours
AMGT 4207 – Airline Technical Operations - **Credit:** 3 hours
AMGT 4210 – Airline Financial Management - **Credit:** 3 hours
Take **four** of the following courses:
MKTG 3209 – Airline Marketing - **Credit:** 3 hours
AMGT 3024 – International Airline Business - **Credit:** 3 hours
AERO 2104 – Aviation Safety - **Credit:** 3 hours
AERO 2105 - Aviation Regulations - **Credit:** 3 hours
AERO 2107 – Aviation Law - **Credit:** 3 hours

Total Hours: 21

Airport Management Certificate (Less than 1 year)

AMGT 3203 – Airport Management – **Credit** 3
AMGT 3205 – Airport Planning, Construction, and Environmental Management - **Credit** 3 hours
AMGT 3209 – Airport Legislative Affairs, Marketing, and Communications and Development - **Credit** 3 hours
AMGT 4206 – Airport Operations, Security, and Maintenance - **Credit** 3 hours
AMGT 4211 – Airport Finance and Administration – **Credit:** 3 hours
Take **two** of the following courses:
AERO 2104 – Aviation Safety – **Credit:** 3 hours
AERO 2125 - Aviation Regulations – **Credit:** 3 hours
AERO 2107 - Aviation Law – **Credit:** 3 hours

Total Hours: 21

Aviation Maintenance Technology Airframe Certificate (1 year)

Entrance Dates: Each Semester, Day classes available

Campus Location: Eastman, Georgia

A grade of C or better is required in all AMTP courses

AMTP 1000 - Aviation Mathematics – **Credit:** 3 hours
AMTP 1010 - Aircraft Maintenance Regulations - **Credit:** 2
AMTP 1020 -Aircraft Applied Sciences - **Credit:** 9
AMTP 1030 - Aircraft Electricity and Electronics - **Credit:** 5
AMTP 1210 - Aviation Physics - **Credit:** 3
AMTP 2010 - Aircraft Airframe Structures - **Credit:** 4
AMTP 2020 - Airframe Sheet Metal and Non-Metallic Structures - **Credit:** 8
AMTP 2040 - Airframe Assembly and Rigging - **Credit:** 2
AMTP 2050 - Airframe Inspection - **Credit:** 3
AMTP 2060 - Aircraft Hydraulic, Pneumatic & Landing Gear Systems - **Credit:** 5
AMTP 2080 - Aircraft Environmental Control Systems - **Credit:** 7
AMTP 2090 - Aircraft Electrical, Communication, and Navigation Systems - **Credit:** 6

Total Hours: 57

Aviation Maintenance Technology Airframe and Powerplant Certificate (1 Year)

Entrance Dates: Each Semester. Day classes only.

Campus Location: Eastman, Georgia

A grade of C or better is required in all AMTP courses.

- AMTP 1000 - Aviation Mathematics – 3 **Credit**
- AMTP 1010 - Aircraft Maintenance Regulations - **Credit 2**
- AMTP 1020 - Aircraft Applied Sciences - **Credit 9**
- AMTP 1030 - Aircraft Electricity and Electronics - **Credit 5**
- AMTP 1210 - Aviation Physics - **Credit 3**
- AMTP 2010 - Aircraft Airframe Structures - **Credit 4**
- AMTP 2020 - Airframe Sheet Metal and Non-Metallic Structures - **Credit 8**
- AMTP 2040 - Airframe Assembly and Rigging - **Credit 2**
- AMTP 2050 - Airframe Inspection - **Credit 3**
- AMTP 2060 - Aircraft Hydraulic, Pneumatic & Landing Gear Systems - **Credit 5**
- AMTP 2080 - Aircraft Environmental Control Systems - **Credit 7**
- AMTP 2090 - Aircraft Electrical, Comm. and Nav Systems - **Credit 6**
- AMTP 2210 - Reciprocating Engine Powerplants - **Credit 8**
- AMTP 2230 - Gas Turbine Powerplants - **Credit 6**
- AMTP 2250 - Aircraft Engine Inspection - **Credit 1**
- AMTP 2260 - Aircraft Engine Fuel and Fuel Metering Systems - **Credit 5**
- AMTP 2270 - Aircraft Engine Electrical, Ignition, & Starting Systems - **Credit 7**
- AMTP 2280 - Aircraft Powerplant Accessory Systems - 6

Total Hours: 90

Aviation Maintenance Technology Powerplant Certificate (1 year)

Entrance Dates: Each Semester. Day classes available

Campus Location: Eastman, Georgia

A grade of C or better is required in all AMTP courses.

- AMTP 1000 - Aviation Mathematics - **Credit: 3**
- AMTP 1010 - Aircraft Maintenance Regulations - **Credit: 2**
- AMTP 1020 - Aircraft Applied Sciences - **Credit: 9**
- AMTP 1030 - Aircraft Electricity and Electronics - **Credit: 5**
- AMTP 1210 - Aviation Physics - **Credit:3**
- AMTP 2210 - Reciprocating Engine Powerplants 1 - **Credit: 8**
- AMTP 2230 - Gas Turbine Powerplants - **Credit: 6**
- AMTP 2250 - Aircraft Engine Inspection - **Credit: 1**
- AMTP 2260 - Aircraft Engine Fuel and Fuel Metering Systems - **Credit: 5**
- AMTP 2270 - Aircraft Engine Electrical, Ignition, & Starting Systems - **Credit: 7**
- AMTP 2280 - Aircraft Powerplant Accessory Systems - **Credit: 6**

Total hours: 55

Avionics Technology Certificate (1 year)

Entrance Dates: Each Semester, Day classes available

Campus Location: Eastman, Georgia

Freshman Year

- AMTP 1000 - Aviation Mathematics - **Credit:** 3
- AMTP 1010 - Aircraft Maintenance Regulations - **Credit:** 2
- AMTP 1020 - Aircraft Applied Science - **Credit:** 9
- AMTP 1030 - Aircraft Electricity and Electronics - **Credit:** 5
- AMTP 1210 - Aviation Physics - **Credit:** 3
- AMTP 2010 - Aircraft Airframe Structures - **Credit:** 2
- AMTP 2020 - Airframe Sheet Metal and Non-Metallic Structures - **Credit:** 8
- AMTP 2060 - Aircraft Hydraulic, Pneumatic & Landing Gear Systems - **Credit:** 5
- AMTP 2040 - Airframe Assembly and Rigging - **Credit:** 2
- AMTP 2050 - Airframe Inspection - **Credit:** 3
- AMTP 2080 - Aircraft Environmental Control Systems - **Credit:** 7
- AVNC 1000 - Introduction to Aviation Electronics - **Credit:** 6

Sophomore Year

- AMTP 2090 - Aircraft Electrical, Communication, & Nav. Systems - **Credit:** 6
- AVNC 1010 - Aircraft Communication Systems Maintenance - **Credit:** 5
- AVNC 1020 - Aircraft Navigation/Autopilot Systems Maintenance - **Credit:** 9
- AVNC 1030 - Aircraft Electric/Electronic Systems Installation - **Credit:** 20

Total Semester Hours 95

Aircraft Structural Technology Certificate (1 year)

Entrance Dates: Fall & Spring Semesters. Day and evening classes available (minimum of eight students required for evening classes).

Campus Location: Eastman, Georgia

- ACES 1000 – Aviation Career Employability Skills I – **Credit:** 3 hours
- ACES 1001 – Aviation Career Employability Skills II – **Credit:** 3 hours
- ASTP 1000 - Applied Technical Math – **Credit:** 3 hours
- ASTP 1010 – Basic Blueprint Reading – **Credit:** 3 hours
- ASTP 1020 – Aircraft Blueprint Reading – **Credit:** 3 hours
- ASTP 1037 – Aircraft Aerodynamics and Structural Fundamentals – **Credit:** 6 hours
- ASTP 1090 – Composites and Bonded Structures – **Credit:** 6 hours
- ASTP 1104 – Structural layout, Fabrication, and Sealants – **Credit:** 6 hours
- ASTP 1112 – Aircraft Metallurgy and Corrosion Control – **Credit:** 6 hours
- ASTP 1158 – Technical Publications and Aerospace Quality Control – **Credit:** 3 hours

Total Hours: 42

Aircraft Structural Worker Certificate (Less than 1 year)

Entrance Dates: Fall & Spring Semesters. Day and evening classes available (minimum of eight students required for evening classes).

Campus Location: Eastman, Georgia

- ASTP 1000 - Applied Technical Math – **Credit:** 3 hours
- ASTP 1010 – Basic Blueprint Reading – **Credit:** 3 hours
- ASTP 1020 – Aircraft Blueprint Reading – **Credit:** 3 hours
- ASTP 1037 – Aircraft Aerodynamics and Structural Fundamentals – **Credit:** 6 hours
- ASTP 1104 – Structural layout, Fabrication, and Sealants – **Credit:** 6 hours

Total Hours: 21

Unmanned Aerial Systems Certificate (More than 1 year)

AERO 4601 – Intro to Unmanned Aerial Systems – **Credit:** 3 hours
AERO 4602 – UAS Ground Systems - **Credit:** 3 hours
AERO 4603 – UAS Control, Design, Integration, and Operation - **Credit:** 3 hours
AERO 4604 – UAS Platform Development - **Credit:** 3 hours
AERO 4605 – UAS Flight Operations I - **Credit:** 3 hours
AERO 4606 – UAS Flight Operations II - **Credit:** 3 hours
AVNC 1000 – Introduction to Aviation Electronics - **Credit:** 6 hours
AERO 2102 – Aviation Meteorology - **Credit:** 3 hours
AERO 2106 – Private Pilot Ground School - **Credit:** 3 hours
AERO 3106 – Private Pilot Flight – **Credit:** 1 hour
AERO 3107 – Instrument Pilot Ground School - **Credit:** 3 hours
AERO 3108 – Instrument Pilot Flight – **Credit:** 1 hour
AERO 2105 – Aviation Regulations – **Credit:** 3 hours
ASTP 1090 – Composites and Bonded Structures – **Credit:** 6 hours

Total Hours: 44

Air Transport Pilot Certificate (Less than 1 year)

AERO 4701 – Advanced Aeronautics and Navigation - **Credit** 3 hours
AERO 4702 – Advanced Navigation-Flight - **Credit** 1 hour
AERO 4703 – Advanced Meteorology - **Credit** 3 hours
AERO 4704 – Advanced Meteorology-Flight - **Credit** 1 hour
AERO 4705 – Advanced Aircraft Systems – **Credit:** 3 hours
AERO 4706 – Advanced Systems-Flight – **Credit:** 1 hour
AERO 4707 – ATP Ground School – **Credit:** 3 hours
AERO 4708 – ATP-Flight – **Credit:** 1 hour
AERO 4709 – CRM and Aeronautical Decision Making – **Credit:** 3 hours
AERO 4710 – CRM-Flight – **Credit:** 1 hour
AERO 4711 – Airline Operations – **Credit:** 3 hours
AERO 4712 – Airline Operations-LOFT – **Credit:** 1 hour

Total Hours: 24

Commercial Pilot Airplane Certificate (Less than 1 year)

AERO 2102 - Aviation Meteorology - **Credit:** 3 hours
AERO 2103 – Flight Principles - **Credit:** 3 hours
AERO 2105 – Aviation Regulations - **Credit:** 3 hours
AERO 3019 – Commercial Pilot Ground School Single Engine - **Credit:** 3 hours
AERO 3020 – Commercial Pilot Flight I - **Credit:** 1 hour

Total Hours: 13

Commercial Pilot Helicopter Certificate (Less than 1 year)

AERO 2102 - Aviation Meteorology - **Credit:** 3 hours
AERO 2103 – Flight Principles - **Credit:** 3 hours
AERO 2105 – Aviation Regulations - **Credit:** 3 hours
AERO 3019 – Commercial Pilot Ground School Single Engine - **Credit:** 3 hours
AERO 3085 – Commercial Pilot Flight Helicopter – **Credit:** 1 hour

Total Hours: 13

Flight Instructor Airplane Certificate (Less than 1 year)

AERO 2102 – Aviation Meteorology – **Credit:** 3 hours
AERO 2105 – Aviation Regulations - **Credit:** 3 hours
AERO 3023 – Flight Instructor I Ground School - **Credit:** 3 hours
AERO 3024 – Flight Instructor I Flight - **Credit:** 1 hour

Total Hours: 10

Flight Instructor Helicopter Certificate (Less than 1 year)

AERO 2102 – Aviation Meteorology – **Credit:** 3 hours
AERO 2105 – Aviation Regulations - **Credit:** 3 hours
AERO 3023 – Flight Instructor I Ground School - **Credit:** 3 hours
AERO 3087 – Flight instructor I Flight Helicopter – **Credit:** 1 hour

Total Hours: 10

Flight Technology Airplane Certificate (1 year)

AERO 2102 - Aviation Meteorology - **Credit:** 3 hours
AERO 2103 – Flight Principles - **Credit:** 3 hours
AERO 2105 – Aviation Regulations - **Credit:** 3 hours
AERO 2106 – Private Pilot Ground School – **Credit:** 3 hours
AERO 3106 – Private Pilot Flight – **Credit:** 1 hour
AERO 3107 – Instrument Pilot Ground School – **Credit:** 3 hours
AERO 3018 – Instrument Pilot Flight – **Credit:** 1 hour
AERO 3019 – Commercial Pilot Ground School Single Engine - **Credit:** 3 hours
AERO 3020 – Commercial Pilot Flight I - **Credit:** 1 hour
AERO 3021 – Commercial Pilot Ground School Multi-Engine – **Credit:** 3 hours
AERO 3022 – Commercial Pilot Flight II – **Credit:** 1 hour
AERO 3023 – Flight Instructor I Ground School – **Credit:** 3 hours
AERO 3024 – Flight Instructor Flight – **Credit:** 1 hour
AERO 3025 – Flight Instructor II Ground School – **Credit:** 3 hours
AERO 3026 – Flight Instructor II Flight – **Credit:** 1 hour

Total Hours: 33

Flight Technology Helicopter Certificate (1 year)

AERO 2102 - Aviation Meteorology - **Credit:** 3 hours
AERO 2103 – Flight Principles - **Credit:** 3 hours
AERO 2105 – Aviation Regulations - **Credit:** 3 hours
AERO 2106 – Private Pilot Ground School – **Credit:** 3 hours
AERO 3081 – Private Pilot Flight Helicopter – **Credit:** 1 hour
AERO 3107 – Instrument Pilot Ground School – **Credit:** 3 hours
AERO 3083 – Instrument Pilot Flight Helicopter I – **Credit:** 1 hour
AERO 3084 – Instrument Pilot Flight Helicopter II – **Credit:** 1 hour
AERO 3019 – Commercial Pilot Ground School Single Engine - **Credit:** 3 hours
AERO 3085 – Commercial Pilot Flight Helicopter – **Credit:** 1 hour
AERO 3023 – Flight Instructor I Ground School – **Credit:** 3 hours
AERO 3087 – Flight Instructor I Flight Helicopter – **Credit:** 1 hour
AERO 3025 – Flight Instructor II Ground School – **Credit:** 3 hours
AERO 3089 – Flight Instructor II Flight Helicopter – **Credit:** 1 hour

Total Hours: 30

Instrument Pilot Rating Airplane Certificate (Less than 1 year)

AERO 2102 – Aviation Meteorology – **Credit:** 3 hours
AERO 2105 – Aviation Regulations - **Credit:** 3 hours
AERO 3107 – Instrument Pilot Ground School – **Credit:** 3 hours
AERO 3018 – Instrument Pilot Flight – **Credit:** 1 hour

Total Hours: 10

Multi-Engine Pilot Airplane Certificate (Less than 1 year)

AERO 2103 – Flight Principles – **Credit:** 3 hours
AERO 2102 – Aviation Meteorology – **Credit:** 3 hours
AERO 2105 – Aviation Regulations - **Credit:** 3 hours
AERO 3021 – Commercial Pilot Ground School Multi-Engine - **Credit:** 3 hours
AERO 3022 – Commercial Pilot Flight II – **Credit:** 1 hour

Total Hours: 13