Middle Georgia State College
Non-Substantive Program Modification Proposal Form

Instructions: All program modifications must be signed by the Chair and Dean and submitted to the Vice President for Academic Affairs.

Faculty Initiating Request: Dusty Lowery  Submission Date: Nov. 13, 2014

Department/School: Aircraft Maintenance and Structural Technology/School of Aviation

Degree Program: Aircraft Structural Technology A.A.S.  Effective Date: Spring 2015, Jan. 1, 2015

Provide a description of the program exactly as it will appear in the catalog:

Aircraft Structural Technology (A.A.S.)
The Aircraft Structural Technology Associate of Applied Science (AAS) is a degree program that emphasizes aircraft structural theory and practical application necessary for successful employment in the field. Graduates with the AAS tend to start out at a higher wage and/or advance at a faster pace than those with just the one year certificate. Program graduates can obtain employment within the aviation industry such as: Boeing, Gulfstream, Timco, Heart of GA Metal Crafters, and Parker Aerospace.

All students MUST be accepted to the program after acceptance to MGSC. To be accepted to the program you must complete and submit an application to the Department Chair as stated on the Aviation Technology application.

A grade of “C” or better is required in all core (ASTP) classes in order to graduate from this program.

See attached.

Faculty Member  Date  11/13/14

Chair  Date  11-12-14

Dean  Date

Assistant VP of Academic Planning & Policy  Date  11/13/14

VP of Academic Affairs  Date  1/23/15

Chair Academic Affairs Committee  Date  1/22/15

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Current Program:

Area A Credit: 9 hours
- ENGL 1101 - English Composition I Credit: 3 hours
- ENGL 1102 - English Composition II Credit: 3 hours
- Area A Math Elective Credit: 3 hours

Note: Courses required for Area A must be completed within the first 30 hours.

Area B Credit: 4 hours
Institutional Options
- Perspectives Elective Credit: 4 hours

Note: Some area B electives may also fulfill the Global Perspectives requirement

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
  - 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
  - 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

Total Hours: 67

Modified Program:

Critical Reading and Writing: 6 hours
- ENGL 1101 - English Composition I Credit: 3 hours (3-0-3)
- ENGL 1102 - English Composition II Credit: 3 hours (3-0-3)

Natural Sciences / Mathematics Elective: 3 hours
Choose one of the following courses:
- MATH 1101 - Introduction to Mathematical Modeling Credit: 3 hours
- MATH 1111 - College Algebra Credit: 3 hours

Institutional Electives: 4 hours
- Perspectives Elective Credit: 4 hours

Humanities/Fine Arts Elective: 3 hours
Choose one of the following courses:
- ENGL 2111 - World Literature I Credit: 3 hours
- ENGL 2112 - World Literature II Credit: 3 hours

Social/Behavioral Sciences: 6 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

Major Requirements: 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

Total Hours: 67
Provide a brief rationale for this program modification. For example, does it reflect updated disciplinary content? Does it align the program with state or national norms? Does it promote progression?

Removed Area B requirement. Changed Humanities/Fine Arts Elective to World Literature I to account for the Global Perspectives requirement. This aligns the program with state norms.

Also, removed PSYC 1101 so the two degrees in the department have the same core academic requirements for ease of transferability.
Aircraft Structural Technology (A.A.S.)

Curriculum for Associate of Applied Science in Aviation Maintenance Technology

Note: The AAS in Aircraft Maintenance Technology fulfills general education requirement for a career associate degree.

Critical Reading and Writing: 6 hours

- ENGL 1101 - English Composition I Credit: 3 hours (3-0-3)
- ENGL 1102 - English Composition II Credit: 3 hours (3-0-3)

Natural Sciences / Mathematics Elective: 3 hours
Choose one of the following courses:
- MATH 1101 - Introduction to Mathematical Modeling Credit: 3 hours
- MATH 1111 - College Algebra Credit: 3 hours

Note: ENGL 1101, ENGL 1102, and the Mathematics elective must be completed within the first 30 hours.

Humanities/Fine Arts Elective: 3 hours
Choose one of the following courses:
- ENGL 2111 - World Literature I Credit: 3 hours
- ENGL 2112 - World Literature II Credit: 3 hours

Institutional Electives: 4 hours
- Perspectives Elective Credit: 4 hours

Social/Behavioral Sciences: 6 hours
- HIST 2111 - United States History to 1865 Credit: 3 hours
- HIST 2112 - United States History since 1865 Credit: 3 hours

Major Requirements: 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
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- 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

Total Hours: 63