NOW THIS IS A CAREER!

AIRCRAFT STRUCTURAL TECHNOLOGY

A.A.S. Degree Program

Major Code: ASU3

Georgia Aviation Campus of Middle Georgia College

Program Description: The Aircraft Structural Technology (AST) degree program combines aircraft sheet metal theory and skills with practical experience to prepare the graduate for successful entry-level employment, job retention, and advancement in the manufacture and repair fields. Topics include: precision measurement, pneumatic drilling, riveting and repairing aircraft structures, inspecting and diagnosing aircraft damage, cutting and forming aircraft metals, fabricating and repairing flight control components, fiberglass, metal bonded, and honeycomb structures, as well as advanced composites.

General Core Courses:

COMM	1011	Oral Communications	2 hours
ENGL	1101	Composition 1	3 hours
ENGL	1102	Composition 2	3 hours
ENGL	2111--2132	English Literature Elective	3 hours
HIST	2111 or 2112	U.S. History 1 or U.S. History 2	3 hours
HLTH	1101	Health	2 hours
MATH	1111	College Algebra	3 hours
POLS	1101	American Government	3 hours
PSYC	1101	Introduction to Psychology	3 hours

Occupational Core Courses:

ACES	1000	Aviation Career Employability Skills 1	3 hours
ACES	1001	Aviation Career Employability Skills 2	3 hours
ASTP	1000	Applied Technical Mathematics	3 hours
ASTP	1010	Basic Blueprint Reading	3 hours
ASTP	1020	Aircraft Blueprint Reading	3 hours
ASTP	1037	Aircraft Aerodynamics and Structural Fundamentals	5 hours
ASTP	1090	Composites and Bonded Structures	5 hours
ASTP	1104	Structural Layout, Fabrication, and Sealants	5 hours
ASTP	1112	Aircraft Metallurgy and Corrosion Control	5 hours
ASTP	1158	Technical Publications and Aerospace Quality Control	3 hours

Total Credit Hours: ..... 63 Credit Hours

- **Applications Accepted Daily.**
- **Day & Evening Classes.**
- **95% Job Placement Rate.**
- **New Students Accepted Fall and Spring Semesters.**
- **Courses Offered on Aviation Campus in Eastman.**
- **Starting Salary Range is $15/hr.**
- **Classes offered on M/W or T/R; no Friday classes.**

General Information: Aircraft Structural Technology is a two year (six semester) degree program that emphasizes aircraft structural theory and practical application necessary for successful employment in the field. See FAQ for more information about our Co-op program with Robins AFB. All students **MUST** be accepted to the program after acceptance to MGC. To be accepted to the program you must complete and submit an application to the Division Chair as stated on the Aviation Technology Division application. **Admissions Criteria**: Must be 16 years of age. A high school diploma or GED is required. Submit an application form, $20 application fee, and an official copy of a high school transcript or GED. Schedule a time to take the COMPASS placement exam or submit recent SAT scores. Minimum test scores for regular admission: COMPASS: Reading - 74; Writing - 60; Algebra - 37. Transfer students may apply, but previous course work will be evaluated for credit on an individual basis.

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RECOMMENDED COURSE FLOW

RECOMMENDED COURSE FLOW
FOR
AIRCRAFT STRUCTURAL TECHNOLOGY DEGREE PROGRAM
(Updated March 2012)

	Course #	Course Title	Hours Class/Lab/Semester
If Starting Fall Semester			
16 weeks (Full Session)			
	ASTP 1000	Applied Technical Math	(2.5/0/3)
	ASTP 1010	Basic Blueprint Reading	(2.5/0/3)
	ASTP 1037	Structural Fundamentals and Aerodynamics	(2/4/6)
Spring Semester			
16 weeks (Full Session)			
	ASTP 1020	Aircraft Blueprint Reading	(2.5/0/3)
	ASTP 1104	Structural Layout Fabrication and Sealants	(2/4/6)
	ASTP 1158	Technical Publications & Aircraft Structural Quality Control	(2.5/0/3)
Summer Semester			
10 Weeks (Full Session)			
	ACES 1000	Aviation Career Employability Skills I	(2/.5/3)
	ACES 1000	Aviation Career Employability Skills II	(2/.5/3)
Fall Semester			
16 weeks (Full Session)	ASTP 1112	Aircraft Metallurgy and Corrosion Control	(2/4/6)
	ASTP 1090	Composites and Bonded Structures	(2/4/6)

	Course #	Course Title	Hours Class/Lab/Semester
If Starting Spring Semester			
16 weeks (Full Session)			
	ASTP 1000	Applied Technical Math	(2.5/0/3)
	ASTP 1010	Basic Blueprint Reading	(2.5/0/3)
	ASTP 1037	Structural Fundamentals and Aerodynamics	(2/4/6)
Summer Semester			
10 weeks (Full Session)			
	ACES 1000	Aviation Career Employability Skills I	(2/.5/3)
	ACES 1001	Aviation Career Employability Skills II	(2/.5/3)
Fall Semester			
16 Weeks (Full Session)			
	ASTP 1104	Structural Layout, Fabrication, and Sealants	(2/4/6)
	ASTP 1020	Aircraft Blueprint Reading	(2.5/0/3)
	ASTP 1158	Technical Publications and Aerospace Quality Control	(2.5/0/3)
Spring Semester			
16 weeks (Full Session)	ASTP 1112	Aircraft Metallurgy and Corrosion Control	(2/4/6)
	ASTP 1090	Composites and Bonded Structures	(2/4/6)

AFTER AST CORE CLASSES ARE COMPLETED

Semester 1			
	ENGL 1101	Composition I	(2/1/3)
	MATH 1111	College Algebra	(3/0/3)
	PSYC 1101	Introduction to Psychology	(3/0/3)
	POLS 1101	American Government	(3/0/3)
	HEX*	(1-1 hour course)	(0/2/1)
Semester 2			
	HIST 2111-12	U.S. History I or II	(3/0/3)
	ENGL 1102	Composition II	(3/0/3)
	HLTH 1101	Health	(2/0/2)
	HEX*	(1-1 hour course)	(0/2/1)
Semester 3			
	ENGL 2111-32	English Literature Elective	(3/0/3)
	COMM 1101	Oral Communication	(2/0/2)
	HEX*	(1-1 hour course)	(0/2/1)

*Note: ENGL 2208 (Technical Communications) may be taken in lieu of the HEXS classes.