

TECHNICAL COLLEGE SYSTEM OF GEORGIA

ACADEMIC AFFAIRS DIVISION – OFFICE OF TECHNICAL EDUCATION

INFORMATION TICKET

Date: 7/1/2022

Prepared by: Steve Conway Email: sconway@tcsge.edu

Process	Action Required
<input checked="" type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Notify Appropriate Personnel
<input type="checkbox"/> Course Revision	<input type="checkbox"/> Submit Vote
<input type="checkbox"/> Probe Notice	Submit Vote by: [Date]
<input checked="" type="checkbox"/> Probe Feedback	<input checked="" type="checkbox"/> Notify Faculty and Administration
<input type="checkbox"/> Probe Outcome	<input type="checkbox"/> Information Only
<input type="checkbox"/> Other	

PAS Group Title/PAS Code: Aviation Maintenance Technology/0190

Program Standard Title/Major Code(s) and/or Course Standard Title/Course Code(s):	
AM43 – Aviation Maintenance Technology	AVMT 1001 – Aviation Mathematics
AM34 – Aviation Maintenance Technology	AVMT 1011 – Aircraft Maintenance Regulations
AM24 – Aviation Maintenance Technician	AVMT 1021 – Aircraft Applied Sciences I
AM61 – Aviation Maintenance Technician/Powerplant	AVMT 1026 – Aircraft Applied Sciences II
AMT1 – Aviation Maintenance Technician/Airframe	AVMT 1031 – Aircraft Electricity and Electronics
AM44 – Avionics Maintenance Technology	AVMT 1211 – Aviation Physics
	AVMT 2011 – Aircraft Wood Structures, Coverings, and Finishes
	AVMT 2021 – Airframe Sheet Metal
	AVMT 2026 – Airframe Non-Metallic Structures
	AVMT 2041 – Airframe Assembly and Rigging
	AVMT 2051 – Airframe Inspection

Program Standard Title/Major Code(s) and/or Course Standard Title/Course Code(s):	
	AVMT 2061 – Aircraft Hydraulic and Pneumatic Systems
	AVMT 2071 - Aircraft Landing Gear Systems
	AVMT 2081 – Aircraft Environmental Control Systems
	AVMT 2086 – Aircraft Fuel and Instrument Systems
	AVMT 2091 – Aircraft Electrical Systems
	AVMT 2096 – Aircraft Communication and Navigation Systems
	AVMT 2211 – Reciprocating Engine Powerplants
	AVMT 2231 – Gas Turbine Powerplants
	AVMT 2251 – Aircraft Engine Inspection
	AVMT 2261 – Aircraft Engine Fuel and Fuel Metering Systems
	AVMT 2271 – Powerplant Instruments, Fire Protection and Electrical Systems
	AVMT 2276 – Powerplant Ignition and Starting Systems
	AVMT 2281 – Aircraft Powerplant Accessory Systems
	AVMT 2286 – Aircraft Propeller Systems
	COMP 1000 – Introduction to Computer Literacy

TICKET INFORMATION:

The AVMT IFCC met via Webex on March 24th to discuss the proposed changes to the Part 147 FAA regulations. The group agreed the changes were rather dramatic and impactful overall. Tal Loos had created some proposed course standards in spreadsheet form matching the new regulatory training content and he had also created a spreadsheet comparing the existing AVMT course credits and contact hours to the newly proposed ones. The group discussed the proposed course changes and general questions were answered. The IFCC agreed it would be a good idea for Jon , Tal and Steve to go ahead and enter the proposed courses into KMS during the month of April and then wait on the final rule to be released. When that occurs the group agreed to meet again in person and finalize all course and program changes to come into compliance with the new FAA training regulations.

The final rule was posted on May 24th. The 120-day implementation window started on this date. The full AVMT IFCC agreed to meet at TCSG on Friday, June 10th. During the meeting Jon reviewed the regulatory timeline and the implementation deadline of September 21st. The group spent most of the meeting time reviewing the proposed AVMT course standards and voting on each course draft in turn. All course drafts were agreed upon unanimously with little discussion. The TCSG AA staff then created new program versions of all AVMT related programs which are shown above. The AVMT program structural changes are as follows:

AM43 – Aviation Maintenance Technology Degree changes from 97 credits to 96 credits

AM34 – Aviation Maintenance Technology Diploma changes from 90 credits to 89 credits

AM24 – Aviation Maintenance Technician TCC changes from 79 credits to 81 credits

AM61 – Aviation Maintenance Technician/Powerplant TCC changes from 50 credits to 48 credits

AMT1 – Aviation Maintenance Technician/Airframe changes from 49 credits to 54 credits

AM44 – Avionics Maintenance Technology Diploma changes from 93 credits to 95 credits

The revised AVMT courses (202212 versions) have the following general changes. All course numbers are new though course titles remain the same except in instances where 2 existing courses may be combined. The new numbers will easily distinguish future graduates under the new regulations on transcripts. All new courses assign only Lecture and Regular Lab (2) contact hours. No Other Lab (3) contact hours are assigned for any of the new courses. All courses have round credit values as opposed to a few existing ones which have decimal credit values (clearly visible in the comparison appendix). All new AVMT course descriptions and all learning outcome statements in all new courses are completely rewritten from the existing AVMT courses. They now exactly match the 2021 ACS regulations and they contain the reference code numbers for ease of updating in the future. In general, course competency areas/statements (shown in red font in the appendices) for each course are carried over from the existing AVMT courses. The AVMT Probe appendix titled Course Comparisons exactly enumerates the proposed changes in contact hours and credit if applicable for each new course. The other 3 appendices titled General, Airframe, and Powerplant Courses quickly show the new course content in each of the three FAA certification areas as well as the proposed contact minutes guidelines for each competency area that will be useful as each college sets up their Op Specs documents for their training location(s) this summer. Of course, all official TCSG AVMT course standards are visible in KMS using the curriculum search function as well. Lastly, the IFCC voted unanimously to remove COMP 1000 as a required occupational course in the degree and diploma program curriculums. Any college who wishes to still require the COMP 1000 course of aviation maintenance students may do so under TCSG Board policy.

All AVMT colleges completed probe voting by June 30. All AVMT colleges agreed to the above program revisions unanimously with no comments. Actual votes for each AVMT program are shown in the appendices. The presidents will now review the probe results and feedback when they meet in July and then the revised programs can be approved by the TCSG state board in early August.