

Aviation Maintenance Technology

Engineering & Information Technologies

2021-2022 Curriculum

Course	Title	Pre-Reqs	Lec	Lab	Credit Hours
Semester 1					
AMT-100	Aviation Standard Practices		4	6	6
AMT-105	Aircraft Orientation		2	5	4
AMT-110	Aircraft Electricity		3	3	4
AMT-115	Aircraft Weight and Balance		3	3	4
FYE-1XX	First Year Experience Elective		1	0	1
MAT-122	Aviation Mathematics		2	2	3

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Semester 2

AMT-120	Aircraft Non-Metal Structures	AMT 105	3	4	5
AMT-130	Aircraft Welding Processes		2	2	3
AMT-135	Aircraft Landing Gear Systems	AMT 105 and MAT 122	3	5	5
AMT-140	Airframe Electrical Systems	AMT 105 and AMT 110	4	4	6
PHY-115	Aviation Maintenance Physics	MAT 122	3	3	4

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Semester 3

AMT-125	Aircraft Metal Structures	AMT 100 and AMT 105	3	5	5
AMT-145	Airframe Electronic Systems	AMT 105 and AMT 110	2	1	2
AMT-150	Airframe Systems	AMT 100, 105, and 110	3	3	4
AMT-155	Airframe Assembly and Rigging	AMT 100, 105, and MAT 122	3	4	5
AMT-160	Airframe Inspection	AMT 105 and AMT 115	1	3	2
ENG-101	English Composition 1		3	0	3

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Semester 4

AMT-191	Part-time Cooperative Education 1: AMT	AMT 100	1	20	1
AMT-201	Powerplant Maintenance 1	AMT 100 and AMT 105	4	6	6
AMT-215	Aircraft Propellers	AMT 105 and AMT 115	3	3	4
ENG-104	Technical Communication	ENG 101	3	0	3

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Semester 5

AMT-192	Part-Time Cooperative Education 2: AMT	AMT 191	1	20	1
AMT-202	Powerplant Maintenance 2	AMT 201	4	6	6
AMT-205	Starting and Ignition Systems	AMT 105 and AMT 110	3	4	5

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Semester 6

AMT-193	Part-time Cooperative Education 3: AMT	AMT 192	1	20	1
AMT-203	Powerplant Maintenance 3	AMT 202	4	6	6
AMT-210	Engine Fuel and Lubrication Systems	AMT 100 and AMT 105	4	6	6
PHI-110	Ethics	ENG 101	3	0	3

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Total **108**

First Year Experience Elective: FYE 100, FYE 105, FYE 110