## Aviation Maintenance Technology

Center for Innovative Technologies Division 2014-2015 Curriculum

## Note: All degree seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.

Course   Amilian   Aviation Standard Practices   Amilian   Aviation Standard Practices   Amilian   Amili	<b>F</b>					Credit
AMT-100	Course	Title	Pre-Reqs	Lec	Lab	Hours
AMT-105   Aircraft Orientation   2   5   4	Semester 1					
AMT-110	AMT-100	Aviation Standard Practices		4	6	6
AMT-115   Aircraft Weight and Balance   3   3   3   4   MAT-121   Technical Algebra and Geometry w/ Stats   2   2   3    Semester 2   AMT-120   Aircraft Non-Metal Structures   AMT 105   3   4   5   AMT-130   Aircraft Welding Processes   AMT 105 and MAT 121   3   5   5   AMT-135   Aircraft Landing Gear Systems   AMT 105 and AMT 110   4   4   6   ENG-101   English Composition   AMT 105 and AMT 110   4   4   6   ENG-101   English Composition   AMT 120   2   3   3    Semester 3   AMT-145   Aircraft Metal Structures   AMT 100 and AMT 110   4   4   6   AMT-145   Aircraft Metal Structures   AMT 100 and AMT 105   3   5   5   AMT-145   Aircraft Metal Structures   AMT 100 and AMT 105   3   5   5   AMT-145   Airframe Electronic Systems   AMT 100 and AMT 101   2   1   2   AMT-150   Airframe Systems   AMT 100, 105, AND 110   3   3   3   4   AMT-155   Airframe Assembly and Rigging   AMT 100, 105, and MAT 121   3   4   5   AMT-160   Airframe Inspection   AMT 105 and AMT 115   1   3   2   PHY-122   Technical Physics 2   PHY 121 or BMT 151   2   3   3   3   AMT-215   Aircraft Metal Physics 2   PHY 121 or BMT 151   2   3   3    Semester 4   AMT-191   Part-time Cooperative Education 1: AMT   AMT 100 and AMT 115   2   2   4   AMT-201   Aircraft Propellers   AMT 105 and AMT 115   2   2   4   AMT-201   Aircraft Propellers   AMT 100 and AMT 115   2   2   4   AMT-202   Aircraft Propellers   AMT 105 and AMT 115   3   2   AMT-203   Aircraft Propellers   AMT 100 and AMT 105   5   5   7   AMT-204   AMT-205   Composition & Technical Communication   See Catalog   3   0   3   ECO-1XX   Powerplant Maintenance 2   AMT 201   5   5   7   AMT-205   Starting and Ignition Systems   AMT 105 and AMT 110   3   4   5   AMT-206   AMT-207   AMT-208   AMT 201   AMT 201	AMT-105	Aircraft Orientation		2	5	4
MAT-121   Technical Algebra and Geometry w/ Stats   2   2   3	AMT-110	Aircraft Electricity		3	3	4
Semester 2	AMT-115	Aircraft Weight and Balance		3	3	4
Semester 2	MAT-121	Technical Algebra and Geometry w/ Stats		2	2	3
AMT-120				•	•	21
AMT-120						
AMT-130	Semester 2					
AMT-135	AMT-120	Aircraft Non-Metal Structures	AMT 105	3	4	5
AMT-140	AMT-130	Aircraft Welding Processes		2	2	3
ENG-101   English Composition   MAT 120   3   0   3   25	AMT-135	Aircraft Landing Gear Systems	AMT 105 and MAT 121	3	5	5
PHY-121   Technical Physics 1	AMT-140	Airframe Electrical Systems	AMT 105 and AMT 110	4	4	6
Semester 3	ENG-101	English Composition		3	0	3
Semester 3	PHY-121	Technical Physics 1	MAT 120	2	3	3
AMT-125				•	•	25
AMT-125						
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 121         3         4         5           AMT-160         Airframe Inspection         AMT 105 and AMT 115         1         3         2           PHY-122         Technical Physics 2         PHY 121 or BMT 151         2         3         3           Z1           Semester 4           AMT-191         Part-time Cooperative Education 1: AMT         AMT 100         1         20         1           AMT-201         Powerplant Maintenance 1         AMT 105 and AMT 115         2         2         4           AMT-192         Part-Time Cooperative Education 2: AMT         AMT 191         1         20         1           AMT-192         Part-Time Cooperative Education 2: AMT         AMT 191         1         20         1           AMT-202         Powerplant Maintenance 2         AMT 201         5         5         7           AMT-203         Speaking         ENG 101         3         0         3 <td>Semester 3</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Semester 3					
AMT-150       Airframe Systems       AMT 100, 105, AND 110       3       3       4         AMT-155       Airframe Assembly and Rigging       AMT 100, 105, and MAT 121       3       4       5         AMT-160       Airframe Inspection       AMT 105 and AMT 115       1       3       2         PHY-122       Technical Physics 2       PHY 121 or BMT 151       2       3       3         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       6       4       8         AMT-215       Aircraft Propellers       AMT 105 and AMT 115       2       2       4         ENG-104       Composition & Technical Communication       See Catalog       3       0       3         16         Semester 5         AMT-192       Part-Time Cooperative Education 2: AMT       AMT 191       1       20       1         AMT-202       Powerplant Maintenance 2       AMT 105 and AMT 110       3       4       5         COMM-110       Public Speaking       ENG 101       3       0       3	AMT-125	Aircraft Metal Structures	AMT 100 and AMT 105	3	5	5
AMT-155         Airframe Assembly and Rigging         AMT 100, 105, and MAT 121         3         4         5           AMT-160         Airframe Inspection         AMT 105 and AMT 115         1         3         2           PHY-122         Technical Physics 2         PHY 121 or BMT 151         2         3         3           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         6         4         8           AMT-215         Aircraft Propellers         AMT 105 and AMT 115         2         2         4           ENG-104         Composition & Technical Communication         See Catalog         3         0         3           AMT-192         Part-Time Cooperative Education 2: AMT         AMT 191         1         20         1           AMT-202         Powerplant Maintenance 2         AMT 201         5         5         7           AMT-205         Starting and Ignition Systems         AMT 105 and AMT 110         3         4         5           COMM-110         Public Speaking         ENG 101         3         0         3	AMT-145	Airframe Electronic Systems	AMT 105 and AMT 110	2	1	2
AMT-160   Airframe Inspection   AMT 105 and AMT 115   1   3   2   PHY-122   Technical Physics 2   PHY 121 or BMT 151   2   3   3    Semester 4	AMT-150	Airframe Systems	AMT 100, 105, AND 110	3	3	4
PHY-122   Technical Physics 2   PHY 121 or BMT 151   2   3   3   21	AMT-155	Airframe Assembly and Rigging	AMT 100, 105, and MAT 121	3	4	5
PHY-122   Technical Physics 2   PHY 121 or BMT 151   2   3   3   21	AMT-160	Airframe Inspection	AMT 105 and AMT 115	1	3	2
Semester 4	PHY-122		PHY 121 or BMT 151	2	3	3
AMT-191         Part-time Cooperative Education 1: AMT         AMT 100         1         20         1           AMT-201         Powerplant Maintenance 1         AMT 100 and AMT 105         6         4         8           AMT-215         Aircraft Propellers         AMT 105 and AMT 115         2         2         4           ENG-104         Composition & Technical Communication         See Catalog         3         0         3           AMT-192         Part-Time Cooperative Education 2: AMT         AMT 191         1         20         1           AMT-202         Powerplant Maintenance 2         AMT 201         5         5         7           AMT-205         Starting and Ignition Systems         AMT 105 and AMT 110         3         4         5           COMM-110         Public Speaking         ENG 101         3         0         3           ECO-1XX         Economics Elective         3         0         3           PSY-100         Applied Psychology: Human Relations         3         0         3           22         Semester 6           AMT-203         Powerplant Maintenance 3         AMT 202         4         2         5           AMT-210         Engine Fuel and lubrication Systems				•	•	21
AMT-191         Part-time Cooperative Education 1: AMT         AMT 100         1         20         1           AMT-201         Powerplant Maintenance 1         AMT 100 and AMT 105         6         4         8           AMT-215         Aircraft Propellers         AMT 105 and AMT 115         2         2         4           ENG-104         Composition & Technical Communication         See Catalog         3         0         3           AMT-192         Part-Time Cooperative Education 2: AMT         AMT 191         1         20         1           AMT-202         Powerplant Maintenance 2         AMT 201         5         5         7           AMT-205         Starting and Ignition Systems         AMT 105 and AMT 110         3         4         5           COMM-110         Public Speaking         ENG 101         3         0         3           ECO-1XX         Economics Elective         3         0         3           PSY-100         Applied Psychology: Human Relations         3         0         3           22         Semester 6           AMT-203         Powerplant Maintenance 3         AMT 202         4         2         5           AMT-210         Engine Fuel and lubrication Systems						
AMT-201       Powerplant Maintenance 1       AMT 100 and AMT 105       6       4       8         AMT-215       Aircraft Propellers       AMT 105 and AMT 115       2       2       4         ENG-104       Composition & Technical Communication       See Catalog       3       0       3         Interview of Composition & Technical Communication         See Catalog       3       0       3         Interview of Composition & Technical Communication         See Catalog       3       0       3         Interview of Composition & Technical Communication       See Catalog       3       0       3         AMT-192       Powerplant Maintenance 2       AMT 101       AMT 102       AMT 102       AMT 202       AMT 202       AMT 202       AMT 202       AMT 205       AMT 100 and AMT 105       5       5       7         AMT-203       Powerplant Maintenance 3       AMT 100 and AMT 105       5       5       7         AMT-203       Powerplant Maintenance 3       AMT 100 and AMT 105       5	Semester 4					
AMT-215   Aircraft Propellers   AMT 105 and AMT 115   2   2   4   ENG-104   Composition & Technical Communication   See Catalog   3   0   3	AMT-191	Part-time Cooperative Education 1: AMT	AMT 100	1	20	1
ENG-104   Composition & Technical Communication   See Catalog   3   0   3   16	AMT-201	Powerplant Maintenance 1	AMT 100 and AMT 105	6	4	8
Semester 5   Semester 5   AMT-192   Part-Time Cooperative Education 2: AMT   AMT 191   1   20   1   AMT-202   Powerplant Maintenance 2   AMT 201   5   5   7   AMT-205   Starting and Ignition Systems   AMT 105 and AMT 110   3   4   5   5   5   6   7   6   6   6   6   6   6   6   6	AMT-215	Aircraft Propellers	AMT 105 and AMT 115	2	2	4
Semester 5         AMT-192       Part-Time Cooperative Education 2: AMT       AMT 191       1       20       1         AMT-202       Powerplant Maintenance 2       AMT 201       5       5       7         AMT-205       Starting and Ignition Systems       AMT 105 and AMT 110       3       4       5         COMM-110       Public Speaking       ENG 101       3       0       3         ECO-1XX       Economics Elective       3       0       3         PSY-100       Applied Psychology: Human Relations       3       0       3         Semester 6         AMT-203       Powerplant Maintenance 3       AMT 202       4       2       5         AMT-210       Engine Fuel and lubrication Systems       AMT 100 and AMT 105       5       5       7         AMT-193       Part-time Cooperative Education 3: AMT       AMT 192       1       20       1         PHI-110       Ethics       ENG 101       3       0       3	ENG-104	Composition & Technical Communication	See Catalog	3	0	3
AMT-192         Part-Time Cooperative Education 2: AMT         AMT 191         1         20         1           AMT-202         Powerplant Maintenance 2         AMT 201         5         5         7           AMT-205         Starting and Ignition Systems         AMT 105 and AMT 110         3         4         5           COMM-110         Public Speaking         ENG 101         3         0         3           ECO-1XX         Economics Elective         3         0         3           PSY-100         Applied Psychology: Human Relations         3         0         3           Semester 6         AMT-203         Powerplant Maintenance 3         AMT 202         4         2         5           AMT-210         Engine Fuel and lubrication Systems         AMT 100 and AMT 105         5         5         7           AMT-193         Part-time Cooperative Education 3: AMT         AMT 192         1         20         1           PHI-110         Ethics         ENG 101         3         0         3						16
AMT-192         Part-Time Cooperative Education 2: AMT         AMT 191         1         20         1           AMT-202         Powerplant Maintenance 2         AMT 201         5         5         7           AMT-205         Starting and Ignition Systems         AMT 105 and AMT 110         3         4         5           COMM-110         Public Speaking         ENG 101         3         0         3           ECO-1XX         Economics Elective         3         0         3           PSY-100         Applied Psychology: Human Relations         3         0         3           Semester 6         AMT-203         Powerplant Maintenance 3         AMT 202         4         2         5           AMT-210         Engine Fuel and lubrication Systems         AMT 100 and AMT 105         5         5         7           AMT-193         Part-time Cooperative Education 3: AMT         AMT 192         1         20         1           PHI-110         Ethics         ENG 101         3         0         3						
AMT-202       Powerplant Maintenance 2       AMT 201       5       5       7         AMT-205       Starting and Ignition Systems       AMT 105 and AMT 110       3       4       5         COMM-110       Public Speaking       ENG 101       3       0       3         ECO-1XX       Economics Elective       3       0       3         PSY-100       Applied Psychology: Human Relations       3       0       3         Semester 6         AMT-203       Powerplant Maintenance 3       AMT 202       4       2       5         AMT-210       Engine Fuel and lubrication Systems       AMT 100 and AMT 105       5       5       7         AMT-193       Part-time Cooperative Education 3: AMT       AMT 192       1       20       1         PHI-110       Ethics       ENG 101       3       0       3	Semester 5					
AMT-205       Starting and Ignition Systems       AMT 105 and AMT 110       3       4       5         COMM-110       Public Speaking       ENG 101       3       0       3         ECO-1XX       Economics Elective       3       0       3         PSY-100       Applied Psychology: Human Relations       3       0       3         22         Semester 6         AMT-203       Powerplant Maintenance 3       AMT 202       4       2       5         AMT-210       Engine Fuel and lubrication Systems       AMT 100 and AMT 105       5       5       7         AMT-193       Part-time Cooperative Education 3: AMT       AMT 192       1       20       1         PHI-110       Ethics       ENG 101       3       0       3	AMT-192	Part-Time Cooperative Education 2: AMT	AMT 191	1	20	1
COMM-110         Public Speaking         ENG 101         3         0         3           ECO-1XX         Economics Elective         3         0         3           PSY-100         Applied Psychology: Human Relations         3         0         3           22           Semester 6           AMT-203         Powerplant Maintenance 3         AMT 202         4         2         5           AMT-210         Engine Fuel and lubrication Systems         AMT 100 and AMT 105         5         5         7           AMT-193         Part-time Cooperative Education 3: AMT         AMT 192         1         20         1           PHI-110         Ethics         ENG 101         3         0         3	AMT-202	Powerplant Maintenance 2	AMT 201	5	5	7
ECO-1XX         Economics Elective         3         0         3           PSY-100         Applied Psychology: Human Relations         3         0         3           22           Semester 6           AMT-203         Powerplant Maintenance 3         AMT 202         4         2         5           AMT-210         Engine Fuel and lubrication Systems         AMT 100 and AMT 105         5         5         7           AMT-193         Part-time Cooperative Education 3: AMT         AMT 192         1         20         1           PHI-110         Ethics         ENG 101         3         0         3	AMT-205	Starting and Ignition Systems	AMT 105 and AMT 110	3	4	5
PSY-100         Applied Psychology: Human Relations         3         0         3           Semester 6           AMT-203         Powerplant Maintenance 3         AMT 202         4         2         5           AMT-210         Engine Fuel and lubrication Systems         AMT 100 and AMT 105         5         5         7           AMT-193         Part-time Cooperative Education 3: AMT         AMT 192         1         20         1           PHI-110         Ethics         ENG 101         3         0         3	COMM-110	Public Speaking	ENG 101	3	0	3
Semester 6   AMT-203   Powerplant Maintenance 3   AMT 202   4   2   5	ECO-1XX	Economics Elective		3	0	3
Semester 6   AMT-203   Powerplant Maintenance 3   AMT 202   4   2   5	PSY-100	Applied Psychology: Human Relations		3	0	3
AMT-203         Powerplant Maintenance 3         AMT 202         4         2         5           AMT-210         Engine Fuel and lubrication Systems         AMT 100 and AMT 105         5         5         7           AMT-193         Part-time Cooperative Education 3: AMT         AMT 192         1         20         1           PHI-110         Ethics         ENG 101         3         0         3						
AMT-203         Powerplant Maintenance 3         AMT 202         4         2         5           AMT-210         Engine Fuel and lubrication Systems         AMT 100 and AMT 105         5         5         7           AMT-193         Part-time Cooperative Education 3: AMT         AMT 192         1         20         1           PHI-110         Ethics         ENG 101         3         0         3						
AMT-210         Engine Fuel and lubrication Systems         AMT 100 and AMT 105         5         5         7           AMT-193         Part-time Cooperative Education 3: AMT         AMT 192         1         20         1           PHI-110         Ethics         ENG 101         3         0         3	Semester 6					
AMT-193         Part-time Cooperative Education 3: AMT         AMT 192         1         20         1           PHI-110         Ethics         ENG 101         3         0         3	AMT-203	Powerplant Maintenance 3	AMT 202	4	2	5
PHI-110 Ethics ENG 101 3 0 3	AMT-210	Engine Fuel and lubrication Systems	AMT 100 and AMT 105	5	5	7
PHI-110 Ethics ENG 101 3 0 3	AMT-193	Part-time Cooperative Education 3: AMT	AMT 192	1	20	1
16	PHI-110	=	ENG 101	3	0	3
						16

Total 121

Economics Elective: ECO 105, ECO 110