

# Aviation Maintenance Technology

## Engineering & Information Technologies

### 2020-2021 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 121 | 3 | 5 | 5 |
| AMT-140 | Airframe Electrical Systems   | AMT 105 and AMT 110 | 4 | 4 | 6 |
| PHY-115 | Aviation Maintenance Physics  | MAT 120             | 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 121 | 3 | 4 | 5 |
| AMT-160 | Airframe Inspection           | AMT 105 and AMT 115       | 1 | 3 | 2 |
| ENG-101 | English Composition 1         |                           | 3 | 0 | 3 |

**21**

#### 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 |

**14**

#### 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 |

**12**

#### 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