

| Associate of Applied Science<br>Aviation Maintenance Technology |  |          |
|---|--|----------|
| Name:   | Date of Entry:                                     | Advisor: |
| Dual Major With:  | Academic Plan Advisor:                             |          |
| Transferred From:   |  |          |
| Credit Hours Transferred In:                                    | Must complete 1/3 of degree through Helena College |          |

| Course #                                      | Course Title  | CR     | Pre - Requisites | SEM | Grade | Comments                        |
|---|---|--------|------------------|-----|-------|---------------------------------|
| <b>First year Fall Semester – General</b>     |   |        |                  |     |       |                                 |
| AVMT 100                                      | Intro to Aviation Maintenance/Mathematics and Basic Physics                     | 3      |                  |     |       |                                 |
| AVMT 105                                      | Basic Electricity   | 3.5    |                  |     |       |                                 |
| AVMT 110                                      | Aircraft Drawings/Weight and Balance  | 3      |                  |     |       |                                 |
| AVMT 115                                      | Materials and Processes/Fluid Lines and Fittings/Cleaning and Corrosion Control | 4      |                  |     |       |                                 |
| AVMT 120                                      | Ground Operation and Servicing  | 1.5    |                  |     |       |                                 |
| AVMT 125                                      | Maintenance Publications/Forms & Records/Mechanic Privileges & Limitations      | 3      |                  |     |       |                                 |
| AVMT 130                                      | Basic Aerodynamics  | 3      |                  |     |       |                                 |
| M111T   | Technical Math  | 3      |                  |     |       |                                 |
|   | Total Credits   | 24*    |                  |     |       | Will require overload signature |
| <b>First year Spring Semester - Airframe</b>  |   |        |                  |     |       |                                 |
| AVMT 135                                      | Assembly & Rigging/Airframe Inspection  | 4      |                  |     |       |                                 |
| AVMT 140                                      | Sheet Metal   | 4      |                  |     |       |                                 |
| AVMT 145                                      | Composites and Plastics   | 4      |                  |     |       |                                 |
| AVMT 150                                      | Wood Structures   | 2      |                  |     |       |                                 |
| AVMT 175                                      | Aircraft Electrical Systems   | 2.5    |                  |     |       |                                 |
| AVMT 187                                      | Aircraft Instrument Systems/Comm and Nav Systems                                | 2.25   |                  |     |       |                                 |
| WRIT 121T                                     | Technical Writing   | 3      |                  |     |       |                                 |
| COMX 106                                      | Communicating in a Dynamic Workplace  | 2      |                  |     |       |                                 |
|   | Total Credits   | 23.75* |                  |     |       | Will require overload signature |
| <b>First year Summer Semester – Airframe</b>  |   |        |                  |     |       |                                 |
| AVMT 155                                      | Aircraft Covering/Aircraft Finishes   | 2      |                  |     |       |                                 |
| AVMT 160                                      | Aircraft Welding  | 3      |                  |     |       |                                 |
| AVMT 165                                      | Hydraulic and Pneumatic Power Systems   | 3      |                  |     |       |                                 |
| AVMT 170                                      | Aircraft Landing Gear Systems/Position  | 3      |                  |     |       |                                 |
| AVMT 180                                      | Aircraft Fuel Sys/Fire Protection   | 3      |                  |     |       |                                 |
| AVMT 185                                      | Cabin Atmosphere Control Systems  | 2.5    |                  |     |       |                                 |
| COMX 106                                      | Communicating in a Dynamic Workplace  | 2      |                  |     |       |                                 |
|   | Total Credits   | 18.5   |                  |     |       |                                 |
| <b>Second year Fall Semester - Powerplant</b> |   |        |                  |     |       |                                 |
| AVMT 225                                      | Reciprocating Engine Systems  | 5.5    |                  |     |       |                                 |
| AVMT 230                                      | Reciprocating Engine Overhaul   | 5.5    |                  |     |       |                                 |
| AVMT 240                                      | Engine Instrument Systems   | 3      |                  |     |       |                                 |
| AVMT 250                                      | Engine Fire Protection Systems  | 2.5    |                  |     |       |                                 |
|   | Total Credits   | 16.5   |                  |     |       |                                 |

| Second year Spring Semester – Powerplant |  |       |  |  |  |  |
|--|--|-------|--|--|--|--|
| AVMT 235                                 | Turbine Engines and Systems 1                  | 6     |  |  |  |  |
| AVMT 237                                 | Turbine Engines and Systems 2                  | 2     |  |  |  |  |
| AVMT 245                                 | Engine Electrical Systems/Auxiliary Power Unit | 3.75  |  |  |  |  |
| AVMT 255                                 | Propellers and Unducted Fans                   | 4     |  |  |  |  |
|  | Total Credits                                  | 13.75 |  |  |  |  |

\*\*\* Technical Math can be taken in fall of first year or fall of second year. \* If degree is Airframe CAS student will need math in the first year and credit overload will need to be approved.