

# Aviation Maintenance Technology (AM34)

## Diploma

*This eMap, along with regular meetings with your program advisor and using DegreeWorks, will help you remain on track to finish your program as quickly as possible and graduate from Georgia Northwestern Technical College. This eMap is intended to be used when beginning the program in Fall semester. Starting the program in Spring or Summer semesters may alter the suggested courses or course availability. This eMap is based on the 2026-2027 academic year.*

### PRE-OCCUPATIONAL CURRICULUM (8 Credit Hours)

Please note: AVMT Occupational Curriculum start fall and spring semester (General Education Core any semester).

| 1 <sup>st</sup> set of suggested courses |                                                      |       |                          |
|------------------------------------------|------------------------------------------------------|-------|--------------------------|
| Course                                   |                                                      | Hours | Completed                |
| ENGL 1005                                | Applied Technical Communication                      | 3     | <input type="checkbox"/> |
| EMPL 1000                                | Interpersonal Relations and Professional Development | 2     | <input type="checkbox"/> |
| MATH 1012                                | Foundations of Mathematics                           | 3     | <input type="checkbox"/> |

### Aviation Maintenance Technology Diploma planning notes:

- Basic Skills Courses can be completed at any available campus or online. Occupational curriculum must be completed at the Aviation Maintenance Training Center in Rome, GA.
- Must meet FAA General Eligibility Requirements:
  - Be at least 18 years of age
  - Be able to read, write, speak, and understand the English language, or in the case of an applicant that does not meet this requirement and who is employed outside of the United States by a U.S. air carrier, have his/her certificate endorsed "Valid only outside the United States"
- Must attend Program Familiarization (Pro Fam) session at the Aviation Training Center in Rome, GA.
- Must sit for the Mechanical Comprehension Assessment (administered only at GNTC Aviation Training Center)
  - Should already be accepted as a GNTC student.
  - Must schedule appointment for examination.
- Additional uniform and tool requirements needed for this program. Packets and information available from Aviation Training Center.
- Textbooks and related materials for occupational courses can be purchased at <https://www.actechbooks.com/gntc.html>.



For additional information regarding the program, please contact Program Director, Zac Fager ([zfager@gntc.edu](mailto:zfager@gntc.edu)).

### Deadline Dates

If you wish to be considered for entry into the Aviation Maintenance program occupational courses, you must have all basic skills courses completed, must submit application packet, and must have eligible ProFam attendance (within one year of applying).

- **For Fall Entry, applications must be completed by no later than May 1<sup>st</sup>**
- **For Spring Entry, applications must be completed by no later than October 1<sup>st</sup>**

Additional information for the Aviation Maintenance Technology AAS and program requirements can be found at [GNTC 2026-2027 Catalog](#).

# Aviation Maintenance Technology (AM34)

## Diploma

This eMap, along with regular meetings with your program advisor and using DegreeWorks, will help you remain on track to finish your program as quickly as possible and graduate from Georgia Northwestern Technical College. This eMap is intended to be used when beginning the program in Fall semester. Starting the program in Spring or Summer semesters may alter the suggested courses or course availability. This eMap is based on the 2026-2027 academic year.



### OCCUPATIONAL CURRICULUM (81 Hours)

| 1 <sup>st</sup> set of suggested courses |                                    |       |                          |
|------------------------------------------|------------------------------------|-------|--------------------------|
| Course                                   |                                    | Hours | Completed                |
| AVMT 1001                                | Aviation Mathematics               | 2     | <input type="checkbox"/> |
| AVMT 1211                                | Aviation Physics                   | 2     | <input type="checkbox"/> |
| AVMT 1026                                | Aircraft Applied Sciences II       | 4     | <input type="checkbox"/> |
| AVMT 1031                                | Aircraft Electricity & Electronics | 5     | <input type="checkbox"/> |
| AVMT 1011                                | Aircraft Maintenance Regulations   | 3     | <input type="checkbox"/> |

| 2 <sup>nd</sup> set of suggested courses |                                  |       |                          |
|------------------------------------------|----------------------------------|-------|--------------------------|
| Course                                   |                                  | Hours | Completed                |
| AVMT 1021                                | Aircraft Applied Science I       | 5     | <input type="checkbox"/> |
| AVMT 2026                                | Airframe Non-Metallic Structures | 3     | <input type="checkbox"/> |
| AVMT 2021                                | Airframe Sheet Metal             | 4     | <input type="checkbox"/> |
| AVMT 2041                                | Airframe Assembly & Rigging      | 2     | <input type="checkbox"/> |

| 3 <sup>rd</sup> set of suggested courses |                                        |       |                          |
|------------------------------------------|----------------------------------------|-------|--------------------------|
| Course                                   |                                        | Hours | Completed                |
| AVMT 2061                                | Aircraft Hydraulic & Pneumatic Systems | 2     | <input type="checkbox"/> |
| AVMT 2071                                | Aircraft Landing Gear Systems          | 4     | <input type="checkbox"/> |
| AVMT 2086                                | Aircraft Fuel & Instrument Systems     | 3     | <input type="checkbox"/> |
| AVMT 2081                                | Aircraft Environmental Control Systems | 3     | <input type="checkbox"/> |

| 4 <sup>th</sup> set of suggested courses |                                             |       |                          |
|------------------------------------------|---------------------------------------------|-------|--------------------------|
| Course                                   |                                             | Hours | Completed                |
| AVMT 2091                                | Aircraft Electrical Systems                 | 5     | <input type="checkbox"/> |
| AVMT 2096                                | Aircraft Communication & Navigation Systems | 3     | <input type="checkbox"/> |
| AVMT 2051                                | Airframe Inspection                         | 2     | <input type="checkbox"/> |

| 5 <sup>th</sup> set of suggested courses |                                                |       |                          |
|------------------------------------------|------------------------------------------------|-------|--------------------------|
| Course                                   |                                                | Hours | Completed                |
| AVMT 2211                                | Reciprocating Engine Powerplants               | 4     | <input type="checkbox"/> |
| AVMT 2231                                | Gas Turbine Powerplants                        | 4     | <input type="checkbox"/> |
| AVMT 2261                                | Aircraft Engine Fuel & Fuel Metering Systems   | 4     | <input type="checkbox"/> |
| AVMT 2271                                | Powerplant Inst., Fire Protection & Elec. Sys. | 3     | <input type="checkbox"/> |

| 6 <sup>th</sup> set of suggested courses |                                        |       |                          |
|------------------------------------------|----------------------------------------|-------|--------------------------|
| Course                                   |                                        | Hours | Completed                |
| AVMT 2276                                | Powerplant Ignition & Starting Systems | 4     | <input type="checkbox"/> |
| AVMT 2281                                | Aircraft Powerplant Accessory Systems  | 3     | <input type="checkbox"/> |
| AVMT 2286                                | Aircraft Propeller Systems             | 3     | <input type="checkbox"/> |
| AVMT 2251                                | Aircraft Engine Inspection             | 2     | <input type="checkbox"/> |

### Total Credit Hours: 89 Minimum Credit Hours Required for Graduation

\*This pathway is for fall entry into occupational curriculum. Course sequence may be altered if you enter during the spring semester.

Additional information for the Aviation Maintenance Technology Diploma and program requirements can be found at [GNTC 2025-2026 Catalog](#).