

Considered one of the top A&P Schools in the world, National Aviation Academy (NAA) developed this curriculum to produce the most qualified graduates for employment in the aviation industry. Teaching techniques, lab instructions and testing procedures were designed to ensure a successful learning environment. Our students pass the FAA examinations in the top 15% nationwide. NAA has three approved programs; Aviation Maintenance Professional (AMP / 3000 hours), Aviation Maintenance Technology (AMT / 2000 hours), and Avionics Technology (AVT / 1000 hours).

FIRST TERM (336 Hours) (AMP / AMT)

BEGIN GENERAL SUBJECTS

BLOCK ONE

AMT-111. Aircraft Fundamentals (14 Hours)
AMT-112. Mathematics (28 Hours)
AMT-113. Physics (28 Hours)
AMT-114. Aircraft Drawings (21 Hours)
AMT-115. Weight & Balance (35 Hours)
AMT-116. Materials and Processes (56 Hours)

BLOCK TWO

AMT-121. Forms and Regulations (56 Hours)
AMT-122. Basic Electricity (98 Hours)

SECOND TERM (336 Hours) (AMP / AMT)

BLOCK ONE

AMT-211. Ground Operation & Services (21 Hours)
AMT-212. Cleaning & Corrosion Control (28 Hours)
AMT-213. Fluid Lines & Fittings (21 Hours)
AMT-214. General Review (11 Hours)
AMT-215. General School Final Exam (3 Hours)

BLOCK TWO

AMT-221. Powerplant Systems (Recip's)
(133 Hours)
AMT-222. Troubleshooting Recip Engines
(35 Hours)

BEGIN POWERPLANT SUBJECTS

AMT-216. Reciprocating Engines (84 Hours)

THIRD TERM (336 Hours) (AMP / AMT)

BLOCK ONE

AMT-311. Ignition & Starting Systems (63 Hours)
AMT-312. Engine Electrical Systems (77 Hours)
AMT-313. Engines Instrument Systems (28 Hours)

BLOCK TWO

AMT-321. Turbine Engines (84 Hours)
AMT-322. Powerplant Systems (Turbine)
(84 Hours)

FOURTH TERM (336 Hours) (AMP / AMT)

BLOCK ONE

AMT-411. Engine Fire Protection (21 Hours)
AMT-412. Propellers (70 Hours)
AMT-413. Engine Inspections (63 Hours)
AMT-414. Powerplant Review (11 Hours)
AMT-415. Powerplant School Final (3 Hours)

*FAA General & Powerplant Written Exams
FAA General & Powerplant Oral & Practical Exams*

FIFTH TERM (336 Hours) (AMP / AMT)

BLOCK ONE

AMT-511. Sheet Metal & Non-Metallic Structures
(196 Hours)

SIXTH TERM (320 Hours) (AMP / AMT)

BLOCK ONE

AMT-611. Hydraulics & Pneumatics (56 Hours)
AMT-612. Aircraft Landing Gear Systems (56 Hours)
AMT-613. Position & Warning Systems (21 Hours)
AMT-614. Airframe Fire Protection (14 Hours)
AMT-615. Cabin Atmosphere (28 Hours)

*FAA Airframe Written Exam
FAA Airframe Oral & Practical Exam*

*Completion Point: Aviation Maintenance Technology - Occupational Associate Degree (AMT only)
Completion of Federal Aviation Administration Part 147 Curriculum
Complete all FAA Exams for A&P Technician Certification*

BEGIN AIRFRAME SUBJECTS

BLOCK TWO

AMT-421. Aircraft Electrical Systems
(63 Hours)
AMT-422. Aircraft Instrument Systems
(28 Hours)
AMT-423. Communications & Navigation
Systems (77 Hours)

BLOCK TWO

AMT-522. Wood Structures (7 Hours)
AMT-523. Aircraft Coverings (21 Hours)
AMT-524. Aircraft Finishes (42 Hours)
AMT-525. Welding (35 Hours)
AMT-526. Airframe Fuel Systems (21 Hours)
AMT-527. Ice & Rain Systems (14 Hours)

BLOCK TWO

AMT-622. Assembly & Rigging (77 Hours)
AMT-623. Airframe Inspections (56 Hours)
AMT-624. Review Airframe (9 Hours)
AMT-625. Airframe School Final Exam
(3 Hours)

BEGIN AVIONICS TECHNOLOGY SUBJECT AREA

SEVENTH TERM (336 Hours) (AMP / AVT)

BLOCK ONE

AVT-111. Direct Current "DC" (49 Hours)
AVT-112. Alternating Current "AC" (70 Hours)
AVT-113. Solid State Devices (49 Hours)

BLOCK TWO

AVT-121. Analog Devices & Circuits (98 Hours)
AVT-122. Digital Circuits (35 Hours)
AVT-123. Microprocessors (35 Hours)

FCC (Federal Communications Commission)

GROL (General Radiotelephone Operator License) Written Exams (Elements 1&3)

EIGHTH TERM (336 Hours) (AMP / AVT)

BLOCK ONE

AVT-211. Avionics Line Maintenance Safety (28 Hours)
AVT-212. Fundamental Wiring Techniques (21 Hours)
AVT-213. Aviation Connectors, Crimping, & Soldering (28 Hours)
AVT-214. Aircraft Communications (56 Hours)
AVT-215. Aircraft Navigation Systems (Including GPS) (35 Hours)

BLOCK TWO

AVT-215. Aircraft Navigation Systems- cont. (98 Hours)
AVT-221. Weather Avoidance Systems (28 Hours)
AVT-222. Avionics Troubleshooting (42 Hours)

FCC Written Exams (Element 8 - Radar Endorsement)

NINTH TERM (328 Hours) (AMP / AVT)

BLOCK ONE

AVT-311. ARNIC and Data Bus Systems (21 Hours)
AVT-312. Terrain Awareness Systems (21 Hours)
AVT-313. Electronic Flight Instrument Systems- EFIS (21 Hours)
AVT-314. Power Plant Monitoring Systems (21 Hours)
AVT-315. Auto-Flight Systems (21 Hours)
AVT-316. Auxiliary Systems (42 Hours)
AVT-317. Flight Management Systems- FMS (21 Hours)

BLOCK TWO

AVT-321. Aircraft Recorders (14 Hours)
AVT-322. Compass Systems (21 Hours)
AVT-323. Heads-Up Displays- HUD (7 Hours)
AVT-324. Aircraft Systems Integration (35 Hours)
AVT-325. ARINC- Digital Information Transfer Systems- DTIS (21 Hours)
AVT-326. Technical Recording (35 Hours)
AVT-327. Program and Applications Review (27 Hours)

Completion Point: Avionics Technology - Diploma (AVT only)

NCATT (National Center for Aviation Technician Training)

AET (Aircraft Electronics Technician) Written Exam

www.ncatt.org

Aviation Maintenance Professional - Occupational Associate Degree (AMP only)

-Upon successful completion of the AMP curriculum.