

Special Admissions Requirements: Students who wish to enter the Chrysler MOPAR College Automotive Program (CAP) must:

1. Complete Automotive Program application.
2. Provide their own tools (tool list available on Northwest website at www.northwestms.edu).
3. Submit a current negative 5-panel drug screen.

FRESHMAN YEAR

First Semester	Semester Hours	Second Semester	Semester Hours
ATT 1715, Engine Repair	5	ATT 2434, Engine Performance II	4
ATT 1424, Engine Performance I.....	4	ATT 1134, Advanced Electrical/ Electronic Systems	4
ATT 1124, Basic Electrical/ Electronic Systems	4	ATT 2334, Steering/Susp. Sys.....	4
Math/Science Elective	3/4	ATT 1214, Brakes	4
ATT 1812, Intro. to Safety & Emp.	2	Humanities/Fine Arts Elective.....	3
Total	18/19	Total	19

CAREER CERTIFICATE EXIT POINT

SOPHOMORE YEAR

Third Semester	Semester Hours	Fourth Semester	Semester Hours
*ATT 1314, Manual Drive Trains	4	*ATT 2445, Engine Performance III ...	5
*ATT 2325, Automatic Transmissions/ Transaxles	5	*ATT 2614, Heating and Air Conditioning	4
SPT 1113, Public Speaking I	3	Social/Behavioral Science Elective.....	3
Technical Elective	3	ENG 1113, English Comp. I	3
		Technical Elective	3
Total	15	Total	18

* Courses required in addition to career certificate courses for Technical Certificate.

All other courses listed are the framework for the Associate of Applied Science. Please note that students in the CAP program are required to complete an internship in the second and third semester. Students are also required to have an in-program minimum GPA of 2.0 to continue to the sophomore year.

Aviation Maintenance Technology

Adviser: Cooper, Lindsey • Offered at DeSoto Center-Olive Branch only

Associate of Applied Science

The Aviation Maintenance Technology program offers an FAA-certified curriculum designed to prepare students for a career as aircraft, airframe and powerplant mechanics. Upon completion of the program, students are eligible to receive the Associate of Applied Science degree.

Special Admissions Requirements: Admission forms for the Aviation Maintenance Technology Program may be obtained from Northwest/DeSoto Center, 5197 W.E. Ross Parkway, Southaven, MS, 38671. **Admission forms must be sent to both the Office of Admissions and Records and to the Program Director, Aviation Maintenance Technology.**

Admission requirements include:

1. Completed Aviation Maintenance Program application.
2. Interview with Aviation Program lead instructor.
3. Must provide a recent, clean, drug/alcohol screen result at applicant's expense.

4. Applicant must pass a basic, “hands-on” mechanical aptitude test at interview. The Aviation Maintenance Program has a maximum enrollment of 20 students per class as designated by the FAA. Notification of acceptance to the program must be from the Aviation Maintenance Technology Program Director. Applications for admission must be received by July 1.

FRESHMAN YEAR

First Semester	Semester Hours	Second Semester	Semester Hours
APT 1114, Aviation Applied Science.....	4	APT 1214, Reciprocating Engine Overhaul & Inspection	4
APT 1123, Aviation Electricity I.....	3	APT 1221, Turbine Engine Theory	1
APT 1134, Materials and Processes.....	4	APT 1234, Turbine Engine Overhaul Inspection	4
APT 1143, Aircraft Servicing and Weight and Balance	3	APT 1161, Reciprocating Engine Theory.....	1
APT 1153, Maintenance Forms, Records and Regulations	3	APT 1255, Lubrication & Fuel Metering Systems	5
APT 1171, Human Factors	1	APT 1263, Induction, Cooling & Exhaust Systems	3
Total	18	Total	18

Academic Core Requirements: To be eligible to receive Associate of Applied Science degree.

Social/Behavioral Science Elective.....	3
ENG 1113, Eng. Comp. I.....	3
Basic Computer Skills Elective	3
MAT 1313, College Algebra.....	3
SPT 1113, Public Speaking I	3
Humanities/Fine Arts	3
Total	18

SOPHOMORE YEAR

Third Semester	Semester Hours	Fourth Semester	Semester Hours
APT 2115, Aviation Electricity II	5	APT 2212, Flight Control.....	2
APT 2122, Propellers	2	APT 2223, Aviation Electricity III.....	3
APT 1242, Powerplant Inspection and Review	2	APT 2232, Hydraulic & Pneumatic Power Systems	2
APT 2136, Structures I	6	APT 2243, Landing Gear & Protection Systems	3
APT 2143, Structures II.....	3	APT 2251, Environmental Control Systems	1
Total	18	APT 2264, Aircraft Instrumentation Systems	4
		APT 2271, Aircraft Fuel Systems	1
		APT 2282, Airframe Inspection & Review	2
		Total	18