Manual Drive Train and Axles (Ford ASSET) Certificate

This certificate represents a subset of the Ford Automotive Student Service Education Training (ASSET) Program and is intended for students wishing to specialize in manual transmissions/transaxles, drive trains, and axles. This certificate is designed to help students develop the skills necessary to efficiently and accurately maintain, diagnose, and service/repair manual transmissions/transaxles, drive trains, and axles. Please refer to the Program Handbook for more information. Only students enrolled in the ASSET Program can enroll in Ford ASSET courses.

Total Units: 14.5

First Year

Semester 1

10 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
AMT 370 Ford ASSET Automotive Fundamentals and Dealership Practices	4		F
AMT 371 Ford ASSET Automotive Electrical/Electronic Systems	3		F
AMT 498 [1] Work Experience in Automotive Mechanics Technology	3		F, S, Su

[1] Enroll in a minimum of 3 units in AMT 498 is required for this certificate.

Semester 2 (Summer)

4.5 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
AMT 378 Ford ASSET Automatic Transmissions/Transaxles	3	AMT 371	Su
AMT 385 Ford ASSET Automotive Manual Drive Train and Axles	1.5	AMT 371	Su

^You must have passed the prerequisite course(s) with a “C” or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

*(O) = online available (P) = partially online

Career Options/Outlook:

Master mechanics repair virtually any part on the vehicle or specialize in the transmission system. Tasks include test-drive vehicles and test components/systems using equipment such as infrared engine analyzers, compression gauges, and computerized diagnostic devices; test and adjust repaired systems to meet manufacturers’ performance specifications; repair, reline, replace, & adjust brakes; review work orders and discuss work with supervisors; confer with customers to obtain descriptions of vehicle problems and to discuss work to be performed.

A sample of reported job titles:

ASE Master Mechanic (Automotive Service Excellence Master Mechanic), Auto Technician, Automotive Drivability Technician, Automotive Mechanic (Auto Mechanic), Automotive Service Technician, Certified ASE Master Automotive Technician (Certified Automotive Service Excellence Master Automotive Technician), Master Automotive Technician, Master Technician, Mechanic, Transmission Rebuilder

Projected job openings in California (2020-2030):

6,900

Projected job openings in California (2020-2030):

4% growth

Median Salary in California (2021):

$50,740/yr

Source:

https://www.onetonline.org/link/summary/49-3023.00

About this map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan that is customized to meet your needs. This map is not a guarantee of course availability or financial aid applicability.

Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such

as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the Zero Textbook Costs page of the college website.

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