

2024-25 ACADEMIC COURSES

ASV 277 : AUTOMOTIVE POWERTRAIN SYSTEMS

In this course, students will learn about the use of a chassis roll dynamometer for testing and validation of powertrain systems. Students will learn the principles of dynamometer operation including safety systems, road cycle testing, emissions testing, and durability testing. Students also gain practical experience in the laboratory, as well as develop and execute a test sequence for horsepower, emissions testing, and fuel system testing. Level I Prerequisite: Academic Reading and Writing Levels of 6; ASV 130 and ASV 131, minimum grade "C"

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Description	Hours
Credits	4
Lecture Hours	60
Clinical Hours	0
Lab Hours	45
Other Hours	0
Total Hours	105

Accurate as of 03/26/2025 Information is subject to change without notice.