



Pittsburg State University

Department of **AUTOMOTIVE TECHNOLOGY**

Diesel/Heavy Equipment Certificate

As of Fall 2021

(Please note: Students must be enrolled in at least 6 hours per semester to qualify for Financial Aid.)

Technical Courses

AT 115: Mobile Electrical/Electronics.	3 hours
AND AT 116: Mobile Electrical/Electronics Laboratory.	3 hours
<i>Note: Or approved substitution</i>	
AT 340: Diesel Engine Fundamentals.	3 hours
AT 416: Fluid Power.	3 hours
AT 418: Failure Analysis	3 hours
AT 621: Advanced Diesel Electronics and Diesel Engine Lab.	3 hours
AT 654: Advanced Hydraulic Systems	3 hours

Industry Courses

AT 630: On Highway Systems.	3 hours
AT 641: Construction Equipment Systems.	3 hours
AT 642: Agricultural Equipment and Powertrains.	3 hours

Total hours 30 hours

Course Sequence Guide for AST and current AT students

(The sequence below assumes the student has already taken AT 115/116 or equivalent.)

First fall

- AT 642 Agricultural Equipment Systems
- AT 416 Fluid Power (hands-on class is fall)

First spring

- AT 340 Diesel Engine Fundamentals
- AT 418 Failure Analysis

Second fall

- AT 630 On-Highway Truck Systems
- AT 654 Adv Hydraulic systems

Second spring

- AT 641 Construction Equipment Systems
- AT 621 Advanced Diesel Electronic Systems