

SCHOOL OF TRANSPORTATION & HEAVY EQUIPMENT

CAT DEALER PREP

ASSOCIATE IN APPLIED SCIENCE (75 CREDIT HOURS)

CAT Dealer Prep is a Caterpillar dealer-sponsored heavy equipment technician program. An essential feature of the program is that a student alternates one half of each semester on campus and the other half of the semester at the dealership. This intensive method of study and practice prepares high-performance technicians that the participating Caterpillar dealers demand. After six semesters of on-campus classes and on-site internships, graduates typically stay with the sponsoring dealership as full-time employees.

Technicians diagnose problems, disassemble equipment, examine it for defects and excessive wear, and recondition or replace parts. They test and adjust components and systems to ensure proper operation and prevent failures. Technicians use sophisticated diagnostic equipment and computers for diagnostics, record keeping, and communications within the shops and offices and with customers.

Individuals completing this program will find many opportunities with Caterpillar dealerships. Some of the areas of specialization available within a dealership include truck engines, industrial engines, heavy equipment, agricultural equipment, and component specialist.

Students must obtain an approved industry sponsor before enrolling in the program.

This program of study requires special program fees beyond OSUIT's current tuition and mandatory fees.

For current program information, please contact a CAT Dealer Prep program advisor at 918-293-4710 or visit osuit.edu/cat.

PROGRAM REQUIREMENTS: 56 CREDIT HOURS

CAT DEALER PREP CORE (41 CREDIT HOURS)

DHEC 1124 Introduction to Caterpillar
 DHEC 1134 CAT Electrical Fundamentals
 DHEC 1213 CAT Hydraulic Fundamentals ^[P]
 DHEC 1223 CAT Fuel Systems
 DHEC 1323 CAT Engine Fundamentals
 DHEC 1333 CAT Machine Hydraulic Systems
 DHEC 2413 CAT Engine Diagnostics & Repair
 DHEC 2423 CAT Machine Electronic Systems ^[P]
 DHEC 2524 CAT Power Train I
 DHEC 2532 CAT Mobile Air Conditioning ^[P]
 DHEC 2603 CAT Power Train II ^[P]
 DHEC 2636 CAT Capstone

PROGRAM INTERNSHIPS (15 CREDIT HOURS)*

Students should consult with a program advisor to select internship course(s) that satisfy program curriculum requirements.

* Course credit may be available through prior learning assessment. Contact advisor for more information.



GENERAL EDUCATION REQUIREMENTS: 18 CREDIT HOURS

AMERICAN HISTORY & GOVERNMENT (6 CREDIT HOURS)

HIST 1483 US History to 1865 *or*
 HIST 1493 US History since 1865
 POLS 1113 US Government

COMMUNICATIONS (6 CREDIT HOURS)

Select from courses listed below or others as approved by program advisor.

ENGL 1113 Freshman Composition I *or*
 ENGL 1033 Technical Writing I
 SPCH 1113 Introduction to Speech Communications *or*
 SPCH 2313 Small Group Communications

COMPUTER LITERACY (3 CREDIT HOURS)

CS 1013 Computer Literacy & Applications

MATHEMATICS (3 CREDIT HOURS)

Select from courses designated with an "A," including, but not limited to, courses listed below.

MATH 1493 Math for Critical Thinking (A)
 MATH 1513 Pre-Calculus (A)

INTERDEPARTMENTAL REQUIREMENTS: 1 CREDIT HOUR

ORIENTATION (1 CREDIT HOUR)

GTGE 1111 College Cornerstone

