

Information Guide



Associate in Applied Science Degree

With Major in Diesel and Heavy Equipment Technology

CAT[®] Dealer Prep Program

Sponsored By

These Caterpillar[®] Dealers

Foley Equipment Company - <http://www.foleyeq.com>

J.A. Riggs Tractor Company – <http://jariggs.cat.com>

Louisiana CAT – <http://www.louisianacat.com>

Mustang CAT – <http://mustangcat.com>

Pipeline Machinery International – <http://www.plmcat.com>

Warren CAT – <http://warrencat.cat.com>

<https://osuit.edu/cat>

<https://www.cat.com/thinkbig>



**INSTITUTE OF
TECHNOLOGY**

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ThinkBIG Cat[®] Dealer Prep Contact Persons

Program Instructors	
<p>John Hoover Faculty Oklahoma State University Institute of Technology 1801 E. 4th St. Okmulgee, OK 74447 (918) 292-4712 john.hoover@okstate.edu</p>	<p>Kenneth Trantham Faculty Oklahoma State University Institute of Technology 1801 E. 4th St. Okmulgee, OK 74447 (918) 292-4716 kenneth.trantham@okstate.edu</p>
Administrative Support Personal	
<p>LaDonna Northcross Student Success & Career Advisor Oklahoma State University Institute of Technology 1801 E. 4th St. Okmulgee, OK 74447 (918)293-4710 northcr@okstate.edu</p>	
Company Recruiters	
<p>Anthony Dahl Recruiter Foley Equipment Company 1737 SW 42ed St. Topeka, KS 66609 (785) 289-3176 ardahl@foleyeq.com</p>	<p>Cody E. Cooksey Training & Recruiting Specialist Warren Equipment Company 4 N. Ann Arbor Ave. Oklahoma City, OK 73127 (405) 671-3620 cody.cooksey@warrencat.com</p>
<p>Daina Thibodeaux Human Resources Manager Pipeline Machinery International 15434 Cypress N. Houston Cypress, Texas 77429 (713) 580-8406 dthibodeaux@plmcat.com</p>	<p>Dave Edwards HR Development Manager Mustang CAT P.O. Box 1373 Houston, TX 77251 (713) 460-7232 DEdwards@mustangcat.com</p>
<p>Devin Branch HR Manager Louisiana Cat 3799 W. Airline Hwy Reserve, LA 70084 (985) 536-0411 devin.branch@louisianacat.com</p>	<p>Joe Chandler Service Training & TC Manager Riggs CAT P.O. Box 1399 9125 Interstate 30 Little Rock, AR 72203 (501) 570-3440 joec@jariggs.com</p>
School Dean and Assistant Dean	
<p>Sherri Johnson sherri.johnson@okstate.edu Dean Oklahoma State University Institute of Technology 1801 E. 4th St. Okmulgee, OK 74447 (918) 293-5106</p>	

Admissions Checklist

- Complete and submit an OSU Institute of Technology Application for Admission on line at: <https://admissions.osuit.edu/apply/> or print, complete and mail the form provided at: http://www.osuit.edu/academics/forms/admissions_packet.pdf
- Obtain a Personal Identification Number (PIN) to sign online at www.pin.ed.gov. (If you are a dependent student, a parent will need a PIN as well) Complete the Free Application for Federal Student Aid (FAFSA) available at www.fafsa.ed.gov. **The OSUIT school code is 003172.** Once our office receives your information, we will notify you if additional information is needed and/or send your award letter.
- Submit official high school transcript/GED
- Submit ACT or SAT scores.

- ACCUPLACER testing may be required for placement purposes (all students will be required to take Accuplacer assessment unless they can prove proficient in a subject area with ACT sub scores in math, reading, writing or science scores of 19 or above or have transfer credits. Accuplacer testing is a computer generated assessment administered through the Assessment Center at OSUIT. (918-293-5254)
http://www.osuit.edu/academics/assessment_center.php

Accuplacer sample questions at: <http://www.accuplacer.collegeboard.org>

Additional Accuplacer Skills Reviews at: http://www.osuit.edu/academics/assessment_center.php

- Provide a copy of Immunization records or complete the Immunization Record Form or the Certificate of Exemption. http://www.osuit.edu/campus_community/campus_health/
- Residential Life: Complete room and board contract – Single and Nontraditional Students Room and Board Contract for single students, Family Housing University apartments Contract if you plan to have your family with you at OSUIT. (918-293-4939)
http://www.osuit.edu/campus_community/residential_life/prospective_residents.php
Students making application for campus housing are encouraged to apply early. To reserve space in campus housing students must make a deposit of \$150 (\$500 for family apartments) through the Bursar's office. (918-293-5226)
- Veterans need to visit with the OSUIT Veteran Service Office. (918) 293-4972.or email www.vetservices@okstate.edu
- Complete enrollment through the School of Diesel and Heavy Equipment (918) 293-4710, (918) 293-4730, or (918) 293-3800
- Have your student ID card made. Take your class schedule to the front desk of the Grady W. Clack Center.
- Visit MyOSUIT and activate your O-Key account. This allows you to access your OSUIT email account, check your grades, view your schedule, modify your enrollment, pay your bill, access the online classroom, and receive OSUIT notifications/alerts. This gives you 24/7 access to your information.
www.osuit.edu/my_osuit

Admission of Transfer Students

View admission criteria at: http://www.osuit.edu/admissions/admissions_requirements.html

Estimated Cost per Semester

http://www.osuit.edu/academics/new_tuition.html

2022-2023- Estimated Cost Per Semester

\$2,000.00 - \$4,500.00 Required Tools (dependent on manufacturer and tool box selected)

Fall 2022 - Semester 1

\$1,608.00	Two Bedroom/One Bathroom Suite
\$150.00	\$150.00 single unit, \$500.00 family unit (refundable)
\$886.00	20 Meal Plan
\$3,336.75	Tuition & fees \$222.45 (15 credit hours) <i>This is in-state tuition rate</i>
\$600.00	Books (approximate per semester)
\$6,580.75	Estimated total semester educational expenses

Spring 2022 - Semester 2

\$1,608.00	Two Bedroom/One Bathroom Suite
\$886.00	20 Meal Plan
\$2,669.40	Tuition & fees \$222.45 (12 credit hours) <i>This is in-state tuition rate</i>
\$600.00	Books (approximate per semester)
\$5,763.40	Estimated total semester educational expenses

Summer 2022- Semester 3

\$1,608.00	Two Bedroom/One Bathroom Suite
\$886.00	20 Meal Plan
\$2,669.40	Tuition & fees \$222.45 (12 credit hours) <i>This is in-state tuition rate</i>
\$600.00	Books (approximate per semester)
\$5,763.40	Estimated total semester educational expenses

Fall 2022 - Semester 4

\$1,608.00	Two Bedroom/One Bathroom Suite
\$886.00	20 Meal Plan
\$2,669.40	Tuition & fees \$222.45 (12 credit hours) <i>This is in-state tuition rate</i>
\$600.00	Books (approximate per semester)
\$5,763.40	Estimated total semester educational expenses

Spring 2023 - Semester 5

\$1,608.00	Two Bedroom/One Bathroom Suite
\$886.00	20 Meal Plan
\$2,669.40	Tuition & fees \$222.45 (12 credit hours) <i>This is in-state tuition rate</i>
\$600.00	Books (approximate per semester)
\$5,763.40	Estimated total semester educational expenses

Summer 2023 - Semester 6

\$1,608.00	Two Bedroom/One Bathroom Suite
\$886.00	20 Meal Plan
\$2669.40	Tuition & fees \$222.45 (12 credit hours) <i>This is in-state tuition rate</i>
\$600.00	Books (approximate per semester)
\$5,067.40	Estimated total semester educational expenses

\$35,397.75* Estimated total educational expenses

Cost of tuition and fees, room and board may change after Oklahoma State Regents meet in July.

*This is an estimate for in-state tuition only.

OSUIT School of Transportation & Heavy Equipment

1801 East 4th Street
Okmulgee, OK 74447-3901
Office (918) 293-4710
Fax (918) 293-4658
www.osuit.edu

CAT® Dealer Prep Technician Training Program

Program
Diesel and Heavy Equipment

Degree Awarded
Associate in Applied Science

General Requirements
75 Credit hours
2.0 Minimum Overall Grade Point Average

Typical Schedule for CAT® Dealer Prep Plan of Study DHER-216

1st Semester - 15 Credit Hours

DHEC 1124 Introduction to Caterpillar
DHEC 1134 CAT Electrical Fundamentals
CS 1013 Computer Literacy & Applications
GTGE 1111 College Cornerstone

DHEC 1113 Internship 1

2ed Semester - 12 Credit Hours

DHEC 1213 CAT Hydraulic Fundamentals
DHEC 1323 CAT Engine Fundamentals
MATH 2003 Business Mathematics
ENGL 1033 Technical Writing I

DHEC 1213 Internship 2

3rd Semester - 15 Credit Hours

DHEC 1223 CAT Fuel Systems
DHEC 1333 CAT Machine Hydraulic Systems
MATH 1493 Math for Critical Thinking

DHEC 1313 Internship 3

4th Semester - 12 Credit Hours

DHEC 2413 CAT Engines Diagnostics & Repair
DHEC 2423 CAT Machine Electronic Systems
HIST 1493 U.S. History Since 1865

DHEC 2413 Internship 4

5th Semester - 12 Credit Hours

DHEC 2524 CAT Power Train I
DHEC 2532 CAT Mobil Air Conditioning
POLS 1113 U. S. Government

DHEC 2513 Internship 5

6th Semester - 12 Credit Hours

DHEC 2603 CAT Power Train II
DHEC 2636 CAT Capstone
SPCH 1113 Intro to Speech Communication

OSUIT Diesel and Heavy Equipment Program Required Tool List

1/4" drive, 6-point chrome; 3/16" - 9/16" standard;
4mm - 13mm metric; standard & deep socket;
3" extension; ratchet & storage

3/8" drive, 6-point & 12-point chrome, 1/4" - 7/8"
standard; 10mm - 19mm metric;
standard & deep; 3/8" - 7/8" 6-point deep;
3/8" - 3/4" 6-point flex; 13/16", 5/8" Spark plug
socket; 3/8" Torx bit driver set (T-27 - T-55);
universal joint; 3", 6" & 10" extension;
11 to 12" flex head ratchet & storage

1/2" drive, 6-point & 12-point chrome; 3/8" - 1 1/4"
standard; 12-point chrome; 10mm - 19mm standard
socket; 21"-24" break over bar; ratchet & storage

1/2" drive Impact 6-point 1/2" - 1 1/4" deep socket;
2" & 6" impact extension; impact universal joint &
storage

Standard flair nut wrench set 3/8" - 7/8"
Metric flair nut wrench set 9mm - 21mm
Groove joint pliers 10" - 12"
Slip joint pliers 7" - 9"
Needle nose pliers 7" - 9"
Diagonal cutting pliers, Heavy-duty 7" - 9"
Curved jaw locking pliers (Vice-grip) 10"
Screwdriver set; 4 slotted tips;
Phillips, size 1, 2, 3; stubby slotted
& Phillips

Ratcheting screwdriver set (magnetic preferred)
minimum of: Philips 1,2,3; Slotted 5/32",
7/32", 1/4"; Torx T10-25

Allen SAE hex key set (.028" - 3/8")
Allen metric hex key set (1.5 mm - 10 mm)
12-point combination wrench set 1/4" - 1 1/4"
12-point metric combination wrench set 7mm - 24 mm
16oz. ball-pein hammer
2lb soft face dead blow hammer
3 lb. cross-peen hammer
5/8x6-1/2x1/2 cold chisel
3/8x5 center punch
5/32x5x3/8 taper punch
3/16x5-1/2x5/16 pin punch
3/4" - 1" diameter Brass drift
Safety Glasses (clear)
25' tape measure

18"-21" rolling head (lady foot) pry bar
18"-24" pry bar with plastic handle and angled blade
Feeler gauge set 0.0015 to 0.035"
Feeler gauge set (bent blade) .008" - .026"
Telescoping magnetic retrieving tool
Flexible retrieving tool
Gasket scraper
2" - 3" telescoping mirror
Seal pick set
Flashlight: minimum 2D cell, prefer MSHA approved,
explosion proof
Outside micrometer 0-1" (.0001" grad.) or 0-25mm
(.001mm grad.) Swiss Style (not digital) with
ratchet stop or friction thimble, lock lever and
carbide tips
Dial caliper 0-6" or 0-150mm
6" stainless steel rule - English 1/32 & metric 1mm
1/2" drive oil filter strap wrench, heavy duty up to 9"
diameter

Digital Volt-Ohm Meter and case with minimum
specifications:

Auto shut-off, auto range, blown fuse indicator,
capacitance, continuity buzzer, data hold,
frequency, min/max, diode test function,
20A fused protection
AC Amps 600µA - 10A
AC Volts 600.0 mV - 750V
DC Amps 600µA - 10A
DC Volts 600.0 mV - 1000V
Resistance 600.0Ω - 40MΩ.
Electrical Safety ratings: CATII 750V AC, CATII
1,000V DC, CATIII 600V AC/DC

Rollaway tool cabinet: 5 or more drawers, 8000 - 12000
cubic inch storage capacity with ball bearing slides

Truck Technician Program additional required tools

Tire tread depth gauge
Dual foot air chuck
Dual foot tire pressure gauge
OSHA-approved air blow gun

Optional

Top tool chest
1/2" impact wrench
1/2" drive standard impact sockets
1/2" drive metric standard impact sockets
1/2" drive metric deep impact sockets
1/2" ratchet drive micrometer torque wrench 30-250 ft-lb
3/8" ratchet drive micrometer torque wrench 50-250 in-lb
12" pipe wrench
3/4" drive socket set

