



CAREER ENHANCEMENT CERTIFICATE

2021-22 Catalog
Effective Summer 2021

CAT LIFT TRUCK

The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.

2263

Engineering Technologies Division

Automotive and Transportation Department

The CAT Lift Truck (CLT) Career Enhancement Certification is designed exclusively for the student who is seeking a career as a service technician at a Caterpillar Lift Truck dealership. The Caterpillar-specific curriculum is produced by MCFA. It prepares the student for a career as a Caterpillar Lift Truck Technician by providing Caterpillar Lift Truck's core certification courses that are needed for advancement at a CAT Lift Truck dealership.

The CLT curriculum is a blend of classroom theory and hands-on lab assignments. The curriculum follows OSHA and Industrial Truck Association (ITA) guidelines. CLT-specific classes are scheduled to run on selected Fridays throughout each semester, including the summer, and are a full day in length.

| Course Number | Course Title | Credits | Pre- and Co-Requisites | Completed Sem./Year |
|---------------------------|---|-----------|------------------------|---------------------|
| AUT121 | Automotive Technical Skills | 2 | | |
| AUT123 | Engine Diagnosis and Major Service | 4 | AUT121 | |
| AUT125 | Automotive Electrical and Accessory Systems | 4 | AUT121 | |
| AUT181 | Introduction to CAT Lift Trucks | 1 | AUT121 | |
| AUT182 | CAT Operator Safety Training | 1 | AUT181 | |
| AUT183 | CAT Service Information System | 1 | AUT181 | |
| AUT184 | CAT Hydraulic Systems | 1 | AUT121 | |
| AUT185 | CAT Internal Combustion Engine | 2 | AUT123 | |
| AUT186 | CAT Masts and Lift Mechanisms | 1 | AUT121 | |
| AUT187 | CAT Electrical Systems | 3 | AUT125 | |
| AUT188 | CAT Steering Systems | 1 | AUT121 | |
| AUT189 | CAT Braking Systems | 1 | AUT121 | |
| AUT281 | CAT Differentials and Front Axles | 1 | AUT121 | |
| AUT282 | CAT Transmissions | 2 | AUT121 | |
| AUT283 | CAT Fuel Systems (LP, Gasoline) | 2 | AUT123 | |
| TOTAL CREDIT HOURS | | 27 | | |

STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

| <u>First Semester</u> | | <u>Credit Hours</u> | <u>Pre- and Co-requisites</u> |
|----------------------------|---|---------------------|-------------------------------|
| AUT121 | Automotive Technical Skills | 2 | |
| AUT123 | Engine Diagnosis and Major Service | 4 | AUT121 |
| AUT125 | Automotive Electrical and Accessory Systems | <u>4</u> | AUT121 |
| | | 10 | |
| <u>Second Semester</u> | | | |
| AUT181 | Introduction to CAT Lift Trucks | 1 | AUT121 |
| AUT182 | CAT Operator Safety Training | 1 | AUT181 |
| AUT183 | CAT Service Information System | 1 | AUT181 |
| AUT184 | CAT Hydraulic Systems | 1 | AUT121 |
| AUT185 | CAT Internal Combustion Engine | <u>2</u> | AUT123 |
| | | 6 | |
| <u>Third Semester</u> | | | |
| AUT186 | CAT Masts and Lift Mechanisms | 1 | AUT121 |
| AUT187 | CAT Electrical Systems | 3 | AUT125 |
| AUT188 | CAT Steering Systems | 1 | AUT121 |
| AUT189 | CAT Braking Systems | <u>1</u> | AUT121 |
| | | 6 | |
| <u>Fourth Semester</u> | | | |
| AUT281 | CAT Differentials and Front Axles | 1 | AUT121 |
| AUT282 | CAT Transmissions | 2 | AUT121 |
| AUT283 | CAT Fuel Systems (LP, Gasoline) | <u>2</u> | AUT123 |
| | | 5 | |
| | TOTAL CREDITS | 27 | |