

DIESEL TECHNOLOGY, ADVANCED CERTIFICATE



College(s): OH

Program Code: 0401

The Diesel Technology Advanced Certificate program provides students with the training needed for maintaining and repairing heavy-duty diesel powered equipment. Instructional training is heavily focused on diesel engines performance, hydraulics, electrical, air conditioning, and drive trains.

Program Requirements

Code	Title	Hours
Required Program Core		
ENGLISH 101	Composition	3
PHY SCI 112	General Course II Physical Science	4
MATH 107	Math For Technicians I	4
330TRNS 111	Introduction to Diesel Technology	3
330TRNS 112	Diesel Electrical Systems I	3
330TRNS 113	Introduction to Diesel Engine Construction	3
330TRNS 114	Diesel Engine Construction I	3
330TRNS 115	Suspension and Steering	3
330TRNS 116	Diesel Brakes	3
330TRNS 209	Diesel Electrical Systems II	3
330TRNS 211	Diesel Preventive Maintenance	3
330TRNS 213	Diesel Engine Construction II	3
330TRNS 214	Emission Controls	3
330TRNS 215	Diesel Engine Performance	3
330TRNS 216	Heavy Duty Drives I (Manual)	3
330TRNS 218	Heating and Air Conditioning	3
Total Hours		50

Pathway

This is an **example** course sequence for students interested in Diesel Technology. It does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn a Basic Certificate (BC) and an Advanced Certificate (AC) in Diesel Technology.

Semester-By-Semester Program Plan for Full-Time Students

All plans can be modified to fit the needs of part-time students by adding more semesters.

Semester	Course	Hours	
Semester 1	MATH 107	Math For Technicians I	4
	330TRNS 111	Introduction to Diesel Technology	3
	330TRNS 113	Introduction to Diesel Engine Construction	3
	Hours		10
Semester 2	330TRNS 112	Diesel Electrical Systems I	3
	330TRNS 114	Diesel Engine Construction I	3
	330TRNS 115	Suspension and Steering	3
	Hours		9
Semester 3	330TRNS 116	Diesel Brakes	3
	330TRNS 209	Diesel Electrical Systems II	3
	ENGLISH 101	Composition	3
	Hours		9
Semester 4	330TRNS 211	Diesel Preventive Maintenance	3
	330TRNS 213	Diesel Engine Construction II	3
	330TRNS 214	Emission Controls	3
	PHY SCI 112	General Course II Physical Science	4
	Hours		13
Semester 5	330TRNS 215	Diesel Engine Performance	3
	330TRNS 216	Heavy Duty Drives I (Manual)	3

330TRNS 218	Heating and Air Conditioning	3
	Hours	9
	Total Hours	50

0.00% continue their education beyond an associate degree

Careers

This program can prepare students for the jobs listed below. Click on each one to learn more, including average earnings, annual job openings, and how much education people in that field have. For additional guidance and resources on career options, current City Colleges students and alumni can contact the Career Services Office (<https://www.ccc.edu/departments/Pages/Career-Services.aspx>).

Bus and Truck Mechanics and Diesel Engine Specialists

Job Description

Diagnose, adjust, repair, or overhaul buses and trucks, or maintain and repair any type of diesel engines. Includes mechanics working primarily with automobile or marine diesel engines.

Salary Based on Experience Level

Take a look at the average hourly/annual earnings for this career in Cook County

Lightcast earnings figures are based on OES data from the BLS and include base rate, cost of living allowances, guaranteed pay, hazardous-duty pay, incentive pay (including commissions and bonuses), on-call pay, and tips.

Annual Wages

Entry-Level 10 th Percentile	\$44,403
Median 50 th Percentile	\$63,802
Senior-Level 90 th Percentile	\$90,538

Hourly Wages

Entry-Level 10 th Percentile	\$21
Median 50 th Percentile	\$31
Senior-Level 90 th Percentile	\$44

Annual Job Openings

346 annual openings in Cook County

National Education Attainment

Here, you can see the level of education that people in this career complete.

Degree Program	% of Jobs
A high school diploma or less	37.89%
A certificate	39.49%
Some college	21.94%
An Associate degree	0.67%
A Bachelor's degree	0.00%
A Master's or Professional degree	0.00%
A Doctoral degree or more	0.00%