

DIESEL TECHNOLOGY, BASIC CERTIFICATE



College(s): OH

Program Code: 0402

The Diesel Technology Basic Certificate Program introduces students to the basic fundamentals of diesel technology and provides them with the necessary entry-level skills and theory to enter either the medium/heavy duty or construction equipment service/repair fields. This certificate prepares students to become repair technicians. Graduates will be qualified for positions requiring diagnosis and repair of diesel engines, suspension and steering, brakes, and electrical and electronic systems.



Program Requirements

| Code | Title | Hours |
|------------------------------|--|-----------|
| Required Program Core | | |
| 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 |
| Total Hours | | 19 |

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) 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 1 | | Hours |
|--------------------|--|-----------|
| 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 | | Hours |
| 330TRNS 112 | Diesel Electrical Systems I | 3 |
| 330TRNS 114 | Diesel Engine Construction I | 3 |
| 330TRNS 115 | Suspension and Steering | 3 |
| Hours | | 9 |
| Total Hours | | 19 |

Choose your courses with your College Advisor.

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% |

0.00% continue their education beyond an associate degree