

# BIODIESEL PRODUCTION



Certificate

31 Semester hours

Career & Technical Education • One-Year Certificate • Major Code: CBP

Fall Semester		Credit Hrs
CHEM 123	Basic Inorg/Org Chemistry	4
DSL 157	Basic Internal Combustion	3
ENGY 111	Introduction to Biofuels	3
ENGY 131	Biodiesel Production	3
COM 144 or COM 146 or COM 121	Interpersonal Communication Business and Professional Communication Principles of Speaking	3
Total Hours		16

Spring Semester		Credit Hrs
WELD 111	Basic Welding	3
ELECTIVE		3
IT 119	Basic Software Applications	3
ENG 121	Rhetoric & Composition I	3
ENGY 211	Biofuels System Technology	3
Total Hours		15

**ELECTIVE OPTIONS:** Elective courses may be chosen from the following options based on the student's career focus:

- SAFE 131 OSHA General Industry Safety and Awareness Training
- Diesel Technology classes
- Business classes
- Welding classes
- ENGY 113, ENGY 115, ENGY 151, ENGY 213, ENGY 270, ENGY 290, ENGY 299
- Courses may also be taken from other Building Illinois Bio-economy (BIB) Consortium programs/colleges, which are: Lewis and Clark, Lincoln Land and Carl Sandburg College. These courses may be taken and then transferred to SIC to be used as electives, with approval of an SIC advisor.

Occupational information about this program is available at O\*NET online [www.onetonline.org](http://www.onetonline.org). Once at that website enter the SOC Code that is listed for this program.

O\*NET – SOC Code:

17-3029.00

27-1021.00

This is a Gainful Employment Certificate Program that prepares the student for gainful employment in a recognized occupation. Information regarding program length, cost, average loan debt and completion rates for this program is available at [http://www.sic.edu/ge\\_biodiesel\\_production](http://www.sic.edu/ge_biodiesel_production). You may also access Gainful Employment information from the SIC home page by selecting "Your Right to Know" from the footer of the page, and then selecting the Gainful Employment Programs option.

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BUILDING ILLINOIS'  
BIOECONOMY CONSORTIUM

Learn more about our Biofuels programs at [www.sic.edu/biofuels](http://www.sic.edu/biofuels).

**Career Opportunities:**

Employment in a Biofuel Facility, Operator, Instrumentation Technician, Maintenance Technician.

**Major Employers:**

Ethanol Companies, Biodiesel Companies, Biofuels Companies, Ethanol Plants, Renewable Fuels Companies, Government Agencies

06/17