

ETHANOL PRODUCTION



Certificate

32 Semester hours

Career & Technical Education • One-Year Certificate • Minimum 2.0 OGPA • Major Code: CEP

Fall Semester		Credit Hrs
MATH 151* or MATH 128* or MATH 144*	Occupational Math College Algebra Heart of Mathematics	4
IT 119*	Basic Applications	3
COM 144* or COM 146* or COM 121*	Interpersonal Communication Business and Professional Communication Principles of Speaking	3
ENG 121*	Rhetoric & Composition I	3
ENGY 111	Introduction to Biofuels	3
Total Hours		16

Spring Semester		Credit Hrs
ELECTIVE		3
CHEM 123*	Basic Inorg/Org Chemistry	4
WELD 111	Basic Welding	3
ENGY 151	Ethanol Production	3
ENGY 211	Biofuels System Technology	3
Total Hours		16

*Online or traditional classroom options available

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 131, 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. 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_ethanol_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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Learn more about our Biofuels programs at www.sic.edu/biofuels.



BUILDING ILLINOIS'
BIOECONOMY CONSORTIUM

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