

Chemical Process Operator

Chemical Process Operator

STANTON CAMPUS

Fall 2020

The Chemical Process Operator curriculum prepares students for employment in industrial plants in the chemical, petroleum, polymer, and pharmaceutical industry. The chemical industry throughout the state has a great need for trained chemical operators to adjust and optimize conditions for the production of large quantities of products in local chemical plants and pilot plants. Graduates are readily employed by these local plants at competitive salaries. The program provides a practical education in the various aspects of plant operations such as hands-on training in process operations and control, regulatory compliance, and preventive maintenance skills. Laboratory facilities include not only standard lab equipment, but also modern instrumentation in pilot plant technology and computer simulations.

PROGRAM SPECIFIC ADVISEMENT STATEMENT

Courses - Semester 1

	Credits	Lecture	Lab
SSC 100 - First Year Seminar	1	1	0
CPO 100 - Intro to Chem Proc Oper Tech	3	3	0
CPO 135 - Chem Proc Tech-Equipment	3	2	2
MAT 153 - College Math and Statistics	4	4	0
CIS 107 - Intro to Computers/Application	3	2	2
CHM 110 - General Chemistry	4	3	2

Courses - Semester 2

	Credits	Lecture	Lab
CPO 125 - Safety, Health & Environment	3	3	0
ELC 101 - Intro to Instrumentation	3	2	2
ENG 101 - Crit Thinking & Acad Writing	3	3	0
PHY 111 - Conceptual Physics	4	3	2
CPO 151 - Chem Proc Tech I-Systems	4	3	2

Courses - Semester 3

	Credits	Lecture	Lab
ENG 102 - Composition and Research	3	3	0
ELC 270 - Process Instrumentation I	4	3	2
CPO 252 - Chem Proc Tech II-Operations	4	3	2

Courses - Semester 4

	Credits	Lecture	Lab
CPO 240 - Quality	3	3	0
CPO 253 - Process Troubleshooting	4	3	2
CPO 260 - Work Experience	4	1	8

Approved Electives

Select one social science elective to take in the third and fourth semesters.

Group	Courses	Credits	Lecture	Lab
	POL 111 - Political Science	3	3	0
	PSY 121 - General Psychology	3	3	0
	ECO 111 - Macroeconomics	3	3	0
	SOC 111 - Sociology	3	3	0

*To complete program requirements, you must pass the above courses and earn at least **63 credits**. The number of courses and credits required for graduation may be more depending on your need for developmental education courses and the elective choices you make (if electives are a part of the program). Some programs also have college-level courses that you must take if you do not score at a certain level on the College Placement Test. If this applies to your program, the courses are listed at the top of the sequence sheet before the first semester of the course list.*