



CHEMISTRY CONCENTRATION

Associate of Science

JOB OPPORTUNITIES FOR GRADUATES

Students pursuing this degree may have an interest in chemistry, education, engineering or research and work in laboratories or manufacturing facilities for pharmaceuticals or chemicals as a chemical technician.

TRANSFER OPTIONS

This concentration prepares students for transfer to a four-year college or university to pursue a bachelor's degree in chemistry or other related field. Students with this background also may pursue bachelor's degrees leading to employment in the following areas: education, chemistry, pharmacy or biochemistry.

SALARY

Median pay for Chemical Technician (Associate's degree) - \$49,820/year

The overall job outlook is good, with 3 percent job growth per year.

Source: *bls.gov*

LOCATION

Toledo-area Campus

REQUIRED COURSES

1ST SEMESTER

ENG 111	Composition I *	Credits: 3(Lec: 3)
or		
ENG 111P	Composition I Plus *	Credits: 4(Lec: 4)
CHM 121	General Chemistry I *	Credits: 5(Lec: 4 Lab: 3)
MTH 175	Precalculus *	Credits: 5(Lec: 5)
_____	Social & Behavioral Sciences Elective	Credits: 3(Lec: 3)

2ND SEMESTER

ENG 112	Composition II *	Credits: 3(Lec: 3)
or		
HON 201	Interpretations Seminar *	Credits: 3(Lec: 3)
CHM 122	General Chemistry II *	Credits: 5(Lec: 4 Lab: 3)
MTH 180	Calculus I *	Credits: 5(Lec: 5)
_____	Art and Humanities Elective	Credits: 3(Lec: 3)

3RD SEMESTER

MTH 232	Calculus II *	Credits: 5(Lec: 5)
BIO 201	General Biology I *	Credits: 5(Lec: 4 Lab: 3)
CHM 201	Organic Chemistry I *	Credits: 5(Lec: 4 Lab: 3)
_____	Social & Behavioral Sciences Elective	Credits: 3(Lec: 3)

4TH SEMESTER

CHM 202	Organic Chemistry II	Credits: 5(Lec: 4 Lab: 3)
_____	Art and Humanities Elective	Credits: 3(Lec: 3)
_____	Lab Science Elective	Credits: 4 to 5(Lec: 3 to 4 Lab: 0 to 3)

Course must have laboratory component.

or		
_____	Mathematics Elective	Credits: 3 to 5(Lec: 3 to 5)
_____	Elective	Credits: 3(Lec: 3)

Select any combination of Elective courses excluding developmental education courses.

*Ohio Transfer Module Course

More information about the Ohio Transfer Module Course can be found at www.ohiohighered.org/transfer/transfermodule

OWENS.EDU

Office of Admissions:

Toledo-area Campus - (567) 661-7777
Findlay-area Campus - (567) 429-3509

School of Science, Technology, Engineering
and Mathematics
(567) 661-7451



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COMMUNITY COLLEGE