



## 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

\$20.64/hour or approximately \$42,920 annually

#### LOCATION

Toledo-area Campus

#### REQUIRED COURSES

##### 1ST SEMESTER

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

##### 2ND SEMESTER

ENG 112	Composition II*	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 and 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 3: 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](http://www.ohiohighered.org/transfer/transfermodule)

For more information, visit [www.owens.edu](http://www.owens.edu) or call:

#### Office of Admissions:

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

School of Science, Technology, Engineering  
and Mathematics  
(567) 661-7457



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