

Chemical Technology

Center for Innovative Technologies Division

2014-2015 Curriculum

Note: All degree seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.

Course	Title	Pre-Reqs	Lec	Lab	Credit Hours
Semester 1					
CHE-121	General Chemistry 1		4	0	4
CHE-131	General Chemistry Lab		0	3	1
CMT-111	Chemical Technology 1		0	3	1
ENG-101	English Composition		3	0	3
MAT-XXX	Mathematics Elective 1		3	2	4
XXX-XXX	Humanities/Social Science Elective 1		3	0	3
					16

Semester 2

CHE-111	Bio-Organic Chemistry	CHE 110	3	3	4
CHE-122	General Chemistry 2	CHE 121 and CHE 131	4	0	4
CHE-132	General Chemistry 2 Lab	CHE 121 and CHE 131	0	3	1
CMT-112	Chemical Technology 2	CMT 111, CHE 121, & CHE 131	0	3	1
MAT-XXX	Mathematics Elective 2		3	2	4
XXX-XXX	Technical Elective 1		2	2	3
					17

Semester 3

CMT-291	Full-Time Cooperative Education 1: CMT	CMT 111	1	40	2
					2

Semester 4

CMT-220	Analytical Chemistry	CMT 112, CHE 122, & CHE 132	3	3	4
COMM-110	Public Speaking	ENG 101	3	0	3
ENG-10X	English Elective		3	0	3
XXX-XXX	Technical Elective 2		2	2	3
XXX-XXX	Science Elective 1		3	2	4
					17

Semester 5

CMT-230	Chemical Instrumental Analysis	CMT 220 & CHE 111	3	3	4
XXX-XXX	Science Elective 2		3	2	4
XXX-XXX	Technical Elective 3		2	2	3
XXX-XXX	Humanities/Social Science Elective 2		3	0	3
					14

Semester 6

CMT-292	Full-time Cooperative Education 2: CMT	CMT 291	1	40	2
CMT-290	Chemical Technology Capstone	CMT 230	1	4	3

5
Total **71**

English Composition Elective: ENG 102, ENG 103, ENG 104, ENG 105

Humanities/Social Science Electives: Any ART, CRJ, CULT, ECO, FRN, GEO, HST, LIT, MUS, PHI, POL, PSY, REL, SOC, SPN, THE

Math Electives: Take one of the following series: MAT 125 & MAT 126; MAT 151 & MAT 152; or MAT 251 & MAT

Science Electives: Take one of the following series: BIO 131 and BIO 132, or PHY 151 and PHY 152,

or PHY 201 and PHY 202; or two of the following courses: EVS 110, EVS 120, EVS 130

Technical Electives: CHE 201 and CHE 211, or CHE 202 and CHE 212; any EVT; CET, EET, EMET, MET,

PSET, SET; MAT 131, MAT 132, MAT 253, and MAT 251, MAT 252 if not taken as Mathematics elective;

any BIO or PHY listed in Science Elective, if not taken as Science Elective

Students choosing MAT 125 and MAT 126 series must take MAT 126 prior to or concurrently with CHE 122