

# Chemical Technology

## Center for Innovative Technologies Division

2015-2016 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	<b>4</b>
CHE-131	General Chemistry Lab		0	3	<b>1</b>
CMT-111	Chemical Technology 1		0	3	<b>1</b>
ENG-101	English Composition 1		3	0	<b>3</b>
MAT-XXX	Mathematics Elective 1		3	2	<b>4</b>
XXX-XXX	Humanities/Social Science Elective 1		3	0	<b>3</b>
					<b>16</b>

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

Semester 3					
CMT-291	Full-Time Cooperative Education 1: CMT	CMT 111	1	40	<b>2</b>
					<b>2</b>

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

Semester 5					
CMT-230	Chemical Instrumental Analysis	CMT 220 & CHE 111	3	3	<b>4</b>
CMT-290	Chemical Technology Capstone	CMT 230	1	4	<b>3</b>
XXX-XXX	Science Elective 2		3	2	<b>4</b>
XXX-XXX	Technical Elective 3		2	2	<b>3</b>
XXX-XXX	Humanities/Social Sciences Elective 2		3	0	<b>3</b>
					<b>17</b>

Semester 6					
CMT-292	Full-time Cooperative Education 2: CMT	CMT 291	1	40	<b>2</b>
					<b>2</b>

Total **71**

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

Humanities/Social Sciences 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 252. Students choosing MAT 125 and MAT 126 series must take MAT 126 prior to or concurrently with CHE 122

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