

Chemical Technology

Center for Innovative Technologies Division

2017-2018 Curriculum

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 1		3	0	3
FYE-1XX	First Year Experience Elective		1	0	1
MAT-XXX	Mathematics Elective 1		3	2	4
XXX-XXX	Arts/Humanities/Social/Behavioral Science Elective 1		3	0	3
					17

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
					14

Semester 3			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	ENG 101	3	0	3
XXX-XXX	Technical Elective 1		2	3	3
XXX-XXX	Science Elective 1		3	3	4
					17

Semester 5					
CMT-230	Chemical Instrumental Analysis	CMT 220 & CHE 111	3	3	4
CMT-285	Chemical Research	CMT 220	1	0	1
XXX-XXX	Science Elective 2		3	2	4
XXX-XXX	Technical Elective 2		1	2	2
XXX-XXX	Technical Elective 3		1	2	2
					13

Semester 6					
CMT-292	Full-time Cooperative Education 2: CMT	CMT 291	1	40	2
					2
					Total 65

Arts/Humanities/Social/Behavioral Sciences Electives: Any ART, CRJ, CULT, ECO, FRN, GEO, HST,

LIT, MUS, PHI, POL, PSY, REL, SOC, SPN, THE

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

First Year Experience Elective: FYE 100, FYE 105, FYE 110

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