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 Semester Course Course	Credit						
Semester 1 CHE-121 General Chemistry Lab Q	Course	Title	Pre-Reas	Lec	Lab		
CHE-121 General Chemistry Lab			222 23342				
CHE-131	CHE-121	General Chemistry 1		4	0	4	
CMT-111		•		0	3	1	
ENG-101				0	3	1	
MAT-XXX	ENG-101			3	0		
Semester 2 CHE-111				3			
Semester 2							
CHE-111							
CHE-111							
CHE-122 General Chemistry 2 CHE 121 and CHE 131 4 0 4	Semester 2						
CHE-122 General Chemistry 2 CHE 121 and CHE 131 4 0 4	CHE-111	Bio-Organic Chemistry	CHE 110	3	3	4	
CHE-132	CHE-122	*	CHE 121 and CHE 131	4	0	4	
CMT-112	CHE-132	•	CHE 121 and CHE 131	0	3	1	
MAT-XXX			CMT 111, CHE 121, & CHE 131				
Semester 3				3			
Semester 3 CMT-291 Full-Time Cooperative Education 1: CMT CMT 111 1 40 2							
Semester 3 CMT-291 Full-Time Cooperative Education 1: CMT CMT 111 1 40 2		1					
CMT-291 Full-Time Cooperative Education 1: CMT CMT 111 1 40 2 2 2 2 2 2 2 2 2							
CMT-291 Full-Time Cooperative Education 1: CMT CMT 111 1 40 2 2 2 2 2 2 2 2 2	Semester 3						
Semester 4 CMT-220		Full-Time Cooperative Education 1: CMT	CMT 111	1	40	2	
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 2 3 XXX-XXX Science Elective 1 Total	L	<u> </u>		ı	ı		
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 2 3 XXX-XXX Science Elective 1 Total							
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 2 3 XXX-XXX Science Elective 1 Total	Semester 4						
COMM-110 Public Speaking ENG-10X English Elective ENG 101 3 0 3 3 0 3 XXX-XXX Technical Elective 2 XXX-XXX Science Elective 1 2 2 2 3 3 2 4 I7 Semester 5 CMT-230 Chemical Instrumental Analysis CMT-290 Chemical Technology Capstone XXX-XXX Science Elective 2 CMT 230 1 4 3 3 2 4 XXX-XXX Technical Elective 3 XXX-XXX Humanities/Social Sciences Elective 2 3 2 2 3 3 3 2 4 XXX-XXX Humanities/Social Sciences Elective 2 3 0 3 3 Semester 6 CMT-292 Full-time Cooperative Education 2: CMT CMT 291 1 4 40 2 2 2 7 Total 71		Analytical Chemistry	CMT 112, CHE 122, & CHE 132	3	3	4	
ENG-10X English Elective 3 0 3 XXX-XXX Technical Elective 2 2 2 3 XXX-XXX Science Elective 1 3 2 4 Total CMT-230 Chemical Instrumental Analysis CMT 220 & CHE 111 3 3 4 CMT-290 Chemical Technology Capstone CMT 230 1 4 3 XXX-XXX Science Elective 2 3 2 4 XXX-XXX Technical Elective 3 2 2 2 XXX-XXX Humanities/Social Sciences Elective 2 3 0 3 Semester 6 CMT-292 Full-time Cooperative Education 2: CMT CMT 291 1 40 2 Total 71							
XXX-XXX							
XXX-XXX Science Elective 1 3 2 4 17 17 17 1 1 1 10 17 1 1 1 1 1 1 1 1		_					
Semester 5 CMT-230 Chemical Instrumental Analysis CMT 220 & CHE 111 3 3 4 CMT-290 Chemical Technology Capstone CMT 230 1 4 3 3 2 4 4 3 2 4 4 3 2 4 4 3 4 4 3 4 4 3 4 4							
CMT-230 Chemical Instrumental Analysis CMT 220 & CHE 111 3 3 4							
CMT-230 Chemical Instrumental Analysis CMT 220 & CHE 111 3 3 4 CMT-290 Chemical Technology Capstone CMT 230 1 4 3 XXX-XXX Science Elective 2 3 2 4 XXX-XXX Technical Elective 3 2 2 2 3 XXX-XXX Humanities/Social Sciences Elective 2 3 0 3 Semester 6 CMT-292 Full-time Cooperative Education 2: CMT CMT 291 1 40 2 Total 71							
CMT-230 Chemical Instrumental Analysis CMT 220 & CHE 111 3 3 4 CMT-290 Chemical Technology Capstone CMT 230 1 4 3 XXX-XXX Science Elective 2 3 2 4 XXX-XXX Technical Elective 3 2 2 2 3 XXX-XXX Humanities/Social Sciences Elective 2 3 0 3 Semester 6 CMT-292 Full-time Cooperative Education 2: CMT CMT 291 1 40 2 Total 71	Semester 5						
CMT-290 Chemical Technology Capstone CMT 230 1 4 3 XXX-XXX Science Elective 2 3 2 4 XXX-XXX Technical Elective 3 2 2 2 3 XXX-XXX Humanities/Social Sciences Elective 2 3 0 3 Semester 6 CMT-292 Full-time Cooperative Education 2: CMT CMT 291 1 40 2 Total 71		Chemical Instrumental Analysis	CMT 220 & CHE 111	3	3	4	
XXX-XXX		· ·					
XXX-XXX							
XXX-XXX							
Semester 6 CMT-292 Full-time Cooperative Education 2: CMT CMT 291 1 40 2 2 2 Total 71							
Semester 6 CMT-292 Full-time Cooperative Education 2: CMT CMT 291 1 40 2 2 Total 71		220 Maria Del Grando Di Gr	<u> </u>				
CMT-292 Full-time Cooperative Education 2: CMT CMT 291 1 40 2 2 Total 71							
CMT-292 Full-time Cooperative Education 2: CMT CMT 291 1 40 2 2 Total 71	Semester 6						
2 Total 71	-	Full-time Cooperative Education 2: CMT	CMT 291	1	40	2.	
Total 71	C1111-272	I an ame cooperative Education 2. Civil	1 31 2/1	1 1	-10		
					Total		
	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 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