

Chemical: General Chemical Engineering (Option A)

September 2020 (students who entered *first year* in September 2016)

-	, , , , ,
Year 2:	
Term A	
AM 2270a	Applied Math for Engineering II
CBE 2206a	Introductory Industrial Organic Chemistry
CBE 2214a	Engineering Thermodynamics
CBE 2220a	Chemical Process Calculations
CBE 2290a	Fundamentals of Biochemical and Environmental Engineering
Writing	Building Better (Communication) Bridges: Rhetoric &
2130f	Professional Communication for Engineers
Term B	
AM 2277b	Applied Math Chemical and Civil Engineering III
CBE 2207b	Applied Industrial Organic Chemistry
CBE 2221b	Fluid Flow

Year 3:

CBE 2224b CBE 2291b

SS 2143b

Term A

CBE 3315a Reaction Engineering

CBE 3318a Introduction to Chemical Process Simulation

Chemical Eng. Thermodynamics

Computational Methods for Engineering

Applied Statistics and Data Analysis for Engineers

CBE 3322a **Heat Transfer Operations** CBE 3325a **Particulate Operations** CBE 3395y Chemical Engineering Lab

One 0.5 Non-technical elective taken from approved list

Term B

CBE 3310b	Process Dynamics and Control	
CBE 3319b	Introduction to Plant Design and Safety	
CBE 3323b	Staged Operations	
CBE 3324b	Mass Transfer Operations	
CBE 3395y	Chemical Engineering Lab	
ECE 2208b	Electrical Measurements	
One 0.5 Non-technical elective taken from approved list		

Year 4:

Term A

CBE 4497 Chemical Process and Plant Design

Three 0.5 Technical electives

0.5 Non-technical elective taken from approved list

Term B

CBE 4497 Chemical Process and Plant Design

ES 4498G Engineering Ethics, Sustainable Development and the Law

Three 0.5 Technical electives[†]

NOTES:

Non-technical Electives:

Please choose a maximum of 1.0 credits (one 1.0 credit course or two 0.5 credit courses) from the 1000 level and a minimum of one 0.5 credit from the 2000 (or higher) level.

http://www.eng.uwo.ca/undergraduate/upper_year/electives.html

Technical Elective List:

Some technical electives may not be offered in a given academic year. Consult the Department for accurate listing.

CBE 4404a/b	Downstream Processing in
CBL 4404a/D	Pharmaceutical Manufacturing
CBE 4407a/b	Solid Waste Treatment
CBE 4409a/b	Wastewater Treatment
CBE 4415	Chemical Engineering Project
CBE 4413a/b	Selected Topic in Chemical Engineering
CBE 4416a/b	Carbon Footprint & Management
CBE 4417a/b	Catalytic Processes
CBE 4418a/b	Industrial Multiphase Reactor Design
CBE 4420a/b	Computer Process Control
CBE 4421a/b	Introduction to Biomaterials Engineering
CBE 4422a/b	Nanobiotechnology
CBE 4423a/b	Tissue Engineering
CBE 4424a/b	Biosensor Principles and Applications
CBE 4428a/b	Introduction to Nanoengineering
CBE 4432a/b	Energy and Fuels Production Systems
CBE 4463a/b	Water Pollution Design
CBE 4485a/b	Energy & Society
CBE 4493a/b	Polymer Engineering
CEE 3362a/b	Drinking Water Quality and Treatment
CEE 4405a/b	Air Pollution
GPE 4484a/b	Green Fuels and Chemicals
MME 4429a/b	Nuclear Engineering

[†] Accelerated Masters students can take a graduate course with special permission from the Department Chair.