

Chemical: General Chemical Engineering (Option A)

September 2019 (students who entered first year in September 2017 or later)

Year 2: Term A AM 2270a Applied Math for Engineering II CBE 2206a Introductory Industrial Organic Chemistry **Engineering Thermodynamics** CBE 2214a **Chemical Process Calculations** CBE 2220a 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** Fluid Flow CBE 2221b

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

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	

Year 4:

Term A

CBE 4497 Chemical Process and Plant Design

Three 0.5 Technical electives

One 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/first_year/electives.html

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.

Downstream Processing in
Pharmaceutical Manufacturing
Solid Waste Treatment
Wastewater Treatment
Selected Topic in Chemical Engineering
Chemical Engineering Project
Catalytic Processes
Industrial Multiphase Reactor Design
Computer Process Control
Introduction to Biomaterials Engineering
Nanobiotechnology
Tissue Engineering
Biosensor Principles and Applications
Energy and Fuels Production Systems
Water Pollution Design
Energy & Society
Polymer Engineering
Drinking Water Quality and Treatment
Air Pollution
Green Fuels and Chemicals
Nuclear Engineering

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