

Number	Title	Type	UG Equiv.	Offered	Term	Open to Eng.	Open to UWO	Instructor
General Chemical Engineering								
CBE 9132	Oil Refining and Processing	Elective	4432	10-11	B	•		Barghi
CBE 9150	Advanced Chemical Engineering Thermodynamics	Core		10-11	B	•	•	Mequanint
CBE 9160	Transport Processes	Core		10-11	A	•	•	TBD
CBE 9170	Mathematical Methods in Engineering	Core		10-11	B	• (ug)	•	A. Ray
CBE 9173	Chemical Process Safety	Elective (alt.)		10-11	A	• (ug)	•	Barghi
CBE 9180	Instrumental Methods of Analysis for Engineers	Core		10-11	A	• (ug)	•	Herrera
CBE 9182	Engineering Proposal Preparation	Elective (alt.)			A/B	•		Berruti/C. Briens
CBE 9185	Risk Assessment & Management in Engineering Science	Elective		10-11	S	•	•	TBD
CBE 9190	Statistical Process Analysis	Core		10-11	B	• (ug)		Hrymak
CBE 9199	Selected Topics in Chemical Engineering	as needed			A/B			
Biomaterials & Biochemical Engineering (CBE 9211 not open to students with bio-related backgrounds)								
CBE 9211	Fundamentals of Biochemical Engineering	Elective	3301	10-11	A	•	•	Karamanev
CBE 9241	Nanobiotechnology	Elective (alt.)		10-11	B			Zhang
CBE 9250	Advanced Biomaterials Engineering	Core		10-11	B			Rizkalla/Wan
CBE 9260	Advanced Bioengineering and Biotechnology	Core		10-11	B	•	•	Rehmann
CBE 9265	Microalgal Systems: Biotechnology and Applications	Elective (alt.)		10-11	B			Bassi
CBE 9299	Selected Topics in Biochemical Engineering	as needed			A/B			
Environmental & Green Engineering								
CBE 9371	Advanced Green Engineering	Elective (alt.)		11-12	A	• (ug)		A. Ray/Karamanev
CBE 9312	Air Pollution Control	Elective	CEE4405	10-11	A	•		Nakhla/M. Ray
CBE 9314	Solid Waste Treatment	Elective (alt.)	4407	10-11	B	•		M. Ray
CBE 9334	Green Fuels & Chemicals	Elective (alt.)	GPE 4484	10-11	A			Berruti/C. Briens
CBE 9350	Physical Principles of Environmental Engineering	Core		10-11	A	•	•	M. Ray
CBE 9361	Biological Wastewater Treatment	Elective (alt.)		10-11	B			Nakhla
CBE 9399	Selected Topics in Environmental and Green Engineering	as needed						
Reaction & Process Systems Engineering								
CBE 9417	Industrial Catalysis	Elective (alt.)	4417	10-11	B			deLasa
CBE 9424	Computer Process Control	Elective (alt.)	4420	10-11	B	•		Rohani
CBE 9458	Industrial Crystallization	Elective (alt.)		11-12	A	•		Rohani
CBE 9450	Advanced Chemical Reaction Engineering	Core		10-11	B		•	deLasa
CBE 9455	Advanced Polymerization Engineering	Elective (alt.)		10-11	B		•	Charpentier
CBE 9461	Advanced Process Control	Elective (alt.)		10-11	B	•	•	Rohani
CBE 9464	Process Intensification & Innovation	Elective (alt.)		11-12	A	• (ug)	•	TBD
CBE 9499	Selected Topics in Reaction and Process Systems	as needed			A/B			
Particle Technologies & Fluidization								
CBE 9544	Pharmaceutical Manufacturing Processes	Elective (alt.)	4404	10-11	A	•		L. Briens
CBE 9550	Advanced Particle and Fluidization Engineering	Core		10-11	A	•	•	C. Briens
CBE 9551	Advanced Design in Fluidized Bed Reactors	Elective (alt.)		10-11	B			Berruti/Zhu
CBE 9552	Industrial Three-Phase Reactor Systems	Elective (alt.)		11-12	A	•		Prakash
CBE 9561	Advanced High Velocity Fluidization Technology	Elective (alt.)		11-12	B			Zhu
CBE 9587	Fine Powder Technologies and Application	Elective (alt.)		10-11	B	•	•	Zhu
CBE 9599	Selected Topics in Particle Technology & Fluidization							
Project Course								
CBE 9981	M.Eng Project & Report - Part I				Independent Study			
CBE 9982	M.Eng Project & Report - Part II				Independent Study			