Department of Chemical and Materials Engineering
Graduate Five Year Plan Graduate Course Offerings
2019-2024

SUB	CRS	TITLE	19F	20S	20F	21S	21F	22S	22F	23S	23F	24S
CHE	540	Physical Properties of Fluids										
CHE	541	Chemical Kinetics & Reactor Design	x	x		x		x		x		x
CHE	549	Introduction to Environmental Engineering	x		x		x		x		x	
CHE	552	Experimental Techniques in Fluid Mechanics										
CHE	559	Selected Topics in Chemical Engineering	x	x	x	x	x	x	x	x	x	x
CHE	560	Introduction to Bioprocess Engineering	x		x		x		x		x	
CHE	561	Bioseparations		x		x		x		x		x
CHE	594	Applied Materials Processing		x		x		x		x		x
CHE	595	Polymer Engineering	x		x		x		x		x	
CHE	641	Advanced Thermodynamics			x			x			x	
CHE	642	Physicochemical Hydrodynamics										
CHE	644	Introduction to Electrochemical System										
CHE	646	Thermodynamics of Materials										
CHE	648	Transport Phenomena I	x			x			x			x
CHE	649	Transport Phenomena II										
CHE	650	Principles of Liquids/Solid Interfaces										
CHE	652	Introduction to Air Pollution Control										
CHE	657	Advanced Process Control										
CHE	658	Catalysis and Reactor Design		x			x			x		
CHE	659	Selected Topics in Chemical Engineering	x	x	x	x	x	x	x	x	x	x
CHE	699	Master's Thesis	x	x	x	x	x	x	x	x	x	x
CHE	724	Instrumental Methods and Biomaterials Characterization										
CHE	725	Instrumental Methods and Biomaterials Characterization										
CHE	747	Advanced Topics in Bioengineering										
CHE	749	Mass Transport										
CHE	757	Optical Technique and Fluid Mechanics										
CHE	759	Advanced Selected Topics in Chemical Engineering	x	x	x	x	x	x	x	x	x	x
CHE	799	Doctoral Dissertation	x	x	x	x	x	x	x	x	x	x