

Process Engineering and Design

Year I, Semester I

Course Code	Course Title	Cr. Hrs
ChEg 7111	Advanced Research Methods and Experimental Design	3
ChEg 7113	Graduate Seminar I	1
ChEg 7123	Elective I	3
	Total	7

Year I, Semester II

Course Code	Course Title	Cr. Hrs
ChEg 7114	Graduate Seminar II	1
ChEg 7122	Catalysis and Catalytic Reactor Engineering	3
ChEg 7124	Elective II	3
	Total	7

Elective courses

Course Code	Course Title		Cr. Hrs
ChEg 7123	Model Based Process Control	Elective I	3
ChEg 7123	Chemical Energy Storages		3
ChEg 7123	Turbulent and Multiphase Transport Phenomena		3
ChEg 7123	Multiphase Complex Systems		3
ChEg 7124	Chemical Process Optimization	Elective II	3
ChEg 7124	Integrated Design of Process Equipment		3
ChEg 7124	Applied Catalysis		3
ChEg 7124	Special Topics in Process Engineering		3

Year II, Semester I (for all Specializations)

Course Code	Course Title	Cr. Hrs
ChEg 8114	Doctoral Dissertation	12
Total		12

Year II, Semester II (for all Specializations)

Course Code	Course Title	Cr. Hrs
ChEg 8114	Doctoral Dissertation	12
Total		12

Year III, Semester I (for all Specializations)

Course Code	Course Title	Cr. Hrs
ChEg 8114	Doctoral Dissertation	12
Total		12

Year III, Semester II (for all Specializations)

Course Code	Course Title	Cr. Hrs
ChEg 8114	Doctoral Dissertation	12
Total		12

Year IV, Semester I (for all Specializations)

Course Code	Course Title	Cr. Hrs
ChEg 8114	Doctoral Dissertation	12
Total		12

Year IV, Semester II (for all Specializations)

Course Code	Course Title	Cr. Hrs
ChEg 8114	Doctoral Dissertation	12
	Total	12

