

## Polymer Science and Engineering

### 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 7153	Elective I	3
	Total	7

### Year I, Semester II

Course Code	Course Title	Cr. Hrs
ChEg 7114	Graduate Seminar II	1
ChEg7122	Catalysis and Catalytic Reactor Engineering	3
ChEg 7154	Elective II	3
	Total	7

### Elective Courses

Course Code	Course Title		Cr. Hrs
ChEg 7153	Polymer Science and chemistry	Elective I	3
ChEg 7153	Polymer Reaction Engineering-		3
ChEg 7153	Rheology of Polymers		3
ChEg 7153	Physics and mechanical behaviors of polymers		3
ChEg 7154	Polymer Processing Technology and Application	Elective II	3
ChEg 7154	Biopolymers		3
ChEg 7154	Polymer Characterization Techniques		3
ChEg 7154	Composite Materials		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

