Bachelor of Engineering – Chemical

Semester I	**Semester II**
Biochemical Engineering and Bioinformatics	Plastics Engineering
Corrosion Engineering	Nuclear Reprocessing
Nanotechnology	Industrial Gas
Metallurgy	Corrosion and Environmental Engineering
Process Design, Control and Development	Chemical Process Modeling
Thermodynamics	Biomedical Engineering
Paper Engineering	Study of Chemical Reactors
Textile Engineering	Electrochemistry
Semester III	**Semester IV**
Engineering Chemistry I	Engineering Chemistry II
Process Calculations	Mechanical Equipment Design
Applied Mathematics II	Applied Mathematics-IV
Chemical Engineering Thermodynamics I	Chemical Engineering Thermodynamics II
Fluid Flow Operations (FFO)	Solid-Fluid Mechanical Operations (SFMO)
Chemical Technology	Chemical Engineering Economics
Engineering Chemistry I (Lab Practice)	Engineering II (Lab Practice)
Chemical Engineering Lab Practice	Chemical Engineering Lab III (SFMO)
Semester V	**Semester VI**
Business Communications & Ethics	Transport Phenomenon
Chemical Reaction Engineering – I (CRE I)	Chemical Reaction Engineering – II (CRE II)
Mass Transfer Operation – I	Mass Transfer Operation – II
Heat Transfer Operations (HTO)	Environmental Engineering
Electives: Piping Engineering	Electives: Biotechnology

Semester V	Semester VIII
Process Engineering	Energy Stream Design
Process Equipment Design (PED)	Modelling, Simulation & optimization (MSO)
Process Dynamics and Control (PDC)	Project Engineering & Entrepreneurship Management
Electives: Petroleum Technology	Electives: Polymer Technology
Projects/ Seminar	Final Project/Seminar