

R10		
E1S1		
Course Code	Name of the Course	Credits
MA1101	Mathematics I	4
PH1101, CY1101	Physics (Chemistry)	4
HS1101, ME1101	English for Communication (Mechanics)	3
EE1101, CS1101	Electrical Technology (Programming and Data Structures)	4
ME1102, CE1101	Introduction to Manufacturing process & WSP (Engineering Drawing and Graphics)	3
PH1701, CY1701	Physics Lab (Chemistry Lab)	2
EE1701, CS1701	Electrical Technology Lab (Programming and Data Structures Lab)	2
	Total Credits	22
E1S2		
Course Code	Name of the Course	Credits
MA1202	Mathematics II	4
PH1201, CY1201	Physics (Chemistry)	4
ME1201, HS1201	Engineering Mechanics (English)	3
CS1201, EE1201	Programming & Data Structures (Electrical Technology)	4
CE1201, ME1202	Engineering Drawing and Graphics (Introduction to Manufacturing process & WSP)	3
PH1801, CY1801	Physics Lab (Chemistry Lab)	2
CS1801, EE1801	Programming & Data Structures Lab (Electrical Technology Lab)	2
	Total Credits	22
E2S1		
Course Code	Name of the Course	Credits
CH2001	Fluid Mechanics with lab	6

CH2003	Chemical Process Calculations	4
MA2002	Mathematics -3 (Numerical Solutions of Ordinary and Partial Differential Equations)	4
CS2101	Design of Algorithms	4
CH2005	Chemical Engineering Thermodynamics	4
	Total Credits	22
E2S2		
Course Code	Name of the Course	Credits
CH2002	Heat Transfer	4
	Breadth I	4
MA2004	Mathematics - 4	4
CH2004	Chemical Technology	4
EC2101, EC2701	Basic Electronics+Lab	6
CH2902	Introduction to Software tools in Chemical Engineering	2
	Total Credits	24
E3S1		
Course Code	Name of the Course	Credits
CH3001	Mass Transfer	4
CH3003	Mechanical Unit Operations	4
CH3005	Reaction Engineering I	4
CH3007, CH3903	Instrumentation and Process Control+Lab	6
	Breadth II	3
CH3901	Mechanical Unit Operations and Heat Transfer Laboratory	2
	Total Credits	23
E3S2		
Course Code	Name of the Course	Credits
	Breadth III (Environmental Engineering)	3
CH3002, CH3904	Mass Transfer-II+Lab	6

CH3004, CH3902	Reaction Engineering II+Lab	6
CH3006, CH3906	Process Equipment Design	6
	Total Credits	21
E3 Summer Sem		
Course Code	Name of the Course	Credits
CH3301	Summer internship	8
	Total Credits	8
E4S1		
Course Code	Name of the Course	Credits
CH3008	Plant Design and Economics (Elective-I)	4
CH6203	Process Modeling Simulations	4
CH6701	Process Modeling Simulations Lab	2
CH4700	Project-I	6
CH4003	Transport Phenomenon	4
	Total Credits	20
E4S2		
Course Code	Name of the Course	Credits
	Elective	4
	Elective	4
	Elective	4
CH4502	Project	6
	Comprehensive viva voice	2
	Total Credits	20

Grand Total Credits 182