
Semester-wise Course Structure

1st Year - Semester 1

Sl. No.	Course Code	Course Title	L	T	P	Credits
1.	HSS-S101	Professional Communication	3	0	0	4
2.	MTH-S101	Mathematics-I	3	1	0	4
3.	PHY-S101	Physics-I	3	1	3	5
4.	TCA-S102	Workshop Concepts &Practice	1	1	6	5
5.	ISC-S101	Programming & Computing	3	0	3	5
6.	UHV-S101	Universal Human Values –I (SIP)				0
		Total	13	3	12	23

1st Year - Semester 1I

Sl. No.	Course Code	Course Title	L	T	P	Credits
1.	MTH-S102	Mathematics-II	3	1	0	4
2.	PHY-S102	Physics-II	3	1	3	5
3.	CHM-S101	Chemistry-I	3	1	3	5
4.	ESC-S101	Basic Electrical & Electronics Engg.	3	1	3	5
5.	TCA-S101	Engineering Drawing	2	1	3	5
		Total	14	5	12	24

2ndYear - Semester III

Sl. No.	Course Code	Course Title	L	T	P	Credits
1.	MTH-S201	Mathematics-III	3	1	0	4
2.	ESC-S201	Engineering Mechanics	3	1	0	4
3.	ESC-S202	Basic Thermodynamics	3	1	0	4
4.	CHE-S201	Process Calculations	3	1	0	4
5.	CHE-S202	Fluid Mechanics	3	1	0	4
6.	CHM-S301	Chemistry-II	3	0	3	4
7.	SST-S201	Summer Internship	0	0	0	2
		Total	18	5	3	26

2nd Year - Semester IV

Sl. No.	Course Code	Course Title	L	T	P	Credits
1.	CHE-S203	Chemical Engineering Thermodynamics	3	1	0	4
2.	CHE-S204	Heat Transfer	3	1	0	4
3.	CHE-S205	Chemical Process Industries	4	0	0	4
4.	CHE-S206	Mechanical Operations	3	1	0	4
5.	HSS-S401	Engineering Economics	3	0	0	4
6.	EVS-S101	Environmental Science	2	0	0	2
7.	UHV-S201	Universal Human Values -II	2	1	0	3
		Total	20	4	0	25

3rd Year - Semester V

Sl. No.	Course Code	Course Title	L	T	P	Credits
1.	CHE-S301	Mass Transfer-I	3	1	0	4
2.	CHE-S303	Unit Operations Laboratory -I	0	0	4	4
3.	CHE-S304	Chemical Reaction Engineering-I	3	1	0	4
4.	CHE-S309	Numerical Methods for Chemical Engineers	3	1	0	4
5.	HSS-S301	Communication Practicum	1	0	2	2
6.	CHE-S5**	Departmental Elective	3	1	0	4
7.	SST-S301	Summer Internship	0	0	2	2
		Total	13	4	8	24

3rd Year - Semester VI

Sl. No.	Course Code	Course Title	L	T	P	Credits
1.	CHE-S305	Mass Transfer-II	3	1	0	4
2.	CHE-S306	Instrumentation & Process Control	3	1	0	4
3.	CHE-S307	Chemical Engineering Design-I	3	1	0	4
4.	CHE-S308	Unit Operations Laboratory-II	0	0	4	4
5.	CHE-S5**	Departmental Elective	3	1	0	4
6.	SSM-S301	Student Seminar	0	0	2	2
		Total	12	4	6	22

4th Year - Semester VII

Sl. No.	Course Code	Course Title	L	T	P	Credits
1.	CHE-S401	Chemical Engineering Design-II	4	0	0	4
2.	CHE-S402	Chemical Reaction Engineering-II	3	1	0	4
3.	CHE-S406	Process Simulation Lab	0	0	4	4
4.	SST-S401	Summer Training	0	0	2	2
5.	HSS-S201	Industrial Management	3	0	0	4
6.	PRT-S401	Project -I	0	0	6	4
		Total	10	1	12	22

4th Year - Semester VIII

Sl. No.	Course Code	Course Title	L	T	P	Credits
1.	CHE-S404	Transport Phenomena	4	0	0	4
2.	CHE-S407	Chemical Reaction Engineering and Process Control Laboratory	0	0	4	4
3.	CHE-S5**	Departmental Elective	3	1	0	4
4.	CHE-S5**	Departmental Elective	3	1	0	4
5.	PRT-S402	Project -II	0	0	6	4
		Total	10	2	10	20

Total Credits – 186