

Course Structure of B.Tech. in Chemical Engineering (2022-26 Batch)**Major: Chemical Engineering:****Category-wise current allocation**

| Category | Programme component | Existing Credits | | Current Allocation |
|----------|-------------------------------|------------------|------------|--------------------|
| | | Min | Max | |
| HU | Humanities & Social Science | 22 | 22 | 22 |
| IS | Science | 70 | 90 | 91 |
| IE | Institute Engineering | 40 | 70 | 57 |
| EP | Engineering Drawing, Workshop | 18 | 24 | 15 |
| LM | Language & Management | 18 | 24 | 20 |
| DC | Departmental Core | 145 | 190 | 209 |
| DE | Departmental Elective | 30 | 75 | 33 |
| OE | Open Elective | 15 | 20 | 18 |
| DP | Project/Industrial Visit | 20 | 50 | 20 |
| | TOTAL | 378 | 565 | 485 |

| S. No. | Summer Internship/Project | L-T-P | Credit |
|---------------|----------------------------------|--------------|---------------|
| 1. | Project/Internship in Industry | 0-0-5 | 5 |

| S. No. | 7th Semester | L-T-P | Credit |
|---------------|--|--------------|---------------|
| 1. | Industrial Pollution and Control | 2-0-0 | 6 |
| 2. | Mass Transfer Operations-3 | 2-0-0 | 6 |
| 3. | Plant Design and Economics | 3-0-0 | 9 |
| 4. | DE3: (Fluidization Engg., Multicomponent Distillation, Thermal and catalytic cracking) | 3-0-0 | 9 |
| 5. | Open Elective-1 | 3-0-0 | 9 |
| 6. | Organizational Psychology | 2-0-0 | 6 |
| 7. | Principles of Economics | 2-0-0 | 6 |
| 8. | Industrial Pollution and Control Lab | 0-0-2 | 2 |
| 9. | Plant Design and Economics Lab | 0-0-2 | 2 |
| | Total Credit | | 55 |

| S. No. | 8th Semester | L-T-P | Credit |
|---------------|---|--------------|---------------|
| 1. | Modelling Simulation and Optimization | 2-0-0 | 6 |
| 2. | Fire, Safety and Hazard Analysis | 2-0-0 | 6 |
| 3. | DE4: Lube Base Oil & Wax Processing | 2-0-0 | 6 |
| 4. | Open Elective-2 | 3-0-0 | 9 |
| 5. | Sociology of Industry and Work Culture | 2-0-0 | 6 |
| 6. | Foundations of Management | 2-0-0 | 6 |
| 7. | Modelling Simulation and Optimization Lab | 0-0-2 | 2 |
| 8. | B. Tech Project/Internship | 0-0-5 | 5 |
| | Total Credit | | 46 |