

BS-MS Chemical Science

Group-I

| 1st Semester | | | | | | |
|--------------|------------------|-------------|--------------------------------|-------|-----------------|---------------------------|
| Sl. No. | Course Component | Course Code | Course Name | L-T-P | Course Category | Credit (L*1+T*1+P*0.5) |
| 1 | IDC1 | NMCI101 | Engineering Mathematics - I | 3-0-0 | Theory | 3 |
| 2 | DSC1 | NCYC101 | General Chemistry-I | 3-0-0 | Theory | 3 |
| 3 | DSC2 | NCYC102 | General Chemistry Lab-I | 0-0-2 | Practical | 1 |
| 4 | ESC1 | NCSE101 | Fundamental of Data Structures | 3-0-0 | Theory | 3 |
| 5 | AEC1 | NHSA103 | Understanding Human Behaviour | 2-1-0 | Theory | 3 |
| 6 | SEC1 | NMES101 | Manufacturing Process | 2-0-3 | Practical | 3.5 |
| 7 | VAC1 | NCSV101 | Computer Programming | 3-0-0 | Theory | 3 |
| 8 | VAC2 | NCSV102 | Computer Programming Lab | 0-0-2 | Practical | 1 |
| | | | | | | 20.5 |

| 2nd Semester | | | | | | |
|--------------|------------------|-------------|------------------------------|-------|-----------------|---------------------------|
| Sl. No. | Course Component | Course Code | Course Name | L-T-P | Course Category | Credit (L*1+T*1+P*0.5) |
| 1 | IDC2 | NPHI101 | Engineering Physics | 3-0-0 | Theory | 3 |
| 2 | IDC3 | NPHI102 | Engineering Physics Lab | 0-0-2 | Practical | 1 |
| 3 | IDC4 | NMCI102 | Engineering Mathematics - II | 3-0-0 | Theory | 3 |
| 4 | DSC3 | NCYC103 | General Chemistry-II | 3-0-0 | Theory | 3 |
| 5 | DSC4 | NCYC104 | General Chemistry Lab-II | 0-0-2 | Practical | 1 |
| 6 | ESC2 | NCSE102 | Introduction to Algorithms | 3-0-0 | Theory | 3 |
| 7 | AEC2 | NHSA101 | Communication Skills | 1-0-0 | Theory | 1 |
| 8 | AEC3 | NHSA102 | Communication Skills Lab | 0-0-2 | Practical | 1 |
| 9 | SEC2 | NCES101 | Engineering Graphics | 1-0-3 | Theory | 2.5 |
| 10 | VAC3 | NESV101 | Environmental Science | 3-0-0 | Theory | 3 |
| | | | | | | 21.5 |

IDC – Inter-disciplinary Course; DSC – Discipline Specific Course - Core; AEC – Ability Enhancement Courses; SEC – Skill Enhancement Courses; VAC – Value Added Courses; ESC – Engineering Science Compulsory (to be offered only for the students of other departments)