



First Year

| 1st Semester | | | 2nd Semester | | |
|--------------|----------------------|-----|--------------|----------------------|-----|
| Course | Title | hrs | Course | Title | hrs |
| CHEM A111 | General Chemistry I | 4 | CHEM A112 | General Chemistry II | 4 |
| MATH A141 | Calculus I | 4 | MATH A142 | Calculus II | 4 |
| ENGL A101 | Composition | 3 | ENGL A102 | Comp. & Literature | 3 |
| BIOL A121 | Biological Science I | 4 | Other GEN ED | | 3 |
| | | | Other GEN ED | | 3 |

Second Year

| 1st Semester | | | 2nd Semester | | |
|---------------|-------------------------|-----|---------------|--------------------------|-----|
| Course | Title | hrs | Course | Title | hrs |
| CHEM A331 | Organic Chemistry I | 3 | CHEM A332 | Organic Chemistry II | 3 |
| CHEM A331L | Organic Chemistry Lab I | 1 | CHEM A332L | Organic Chemistry Lab II | 1 |
| PHYS A211 | Physics I | 4 | PHYS A212 | Physics II | 4 |
| ENCP A200 | Statics | 3 | ENCP A260 | Intro. to Mechanics | 3 |
| Other GEN ED. | | 3 | CHEM A310 | Research Methods | 1 |
| | | | Other GEN ED. | | 3 |

Third Year

| 1st Semester | | | 2nd Semester | | |
|-------------------------------|--------------|-----|-----------------------------|-------|-----|
| Course | Title | hrs | Course | Title | hrs |
| CHEM Subject Block 1 (intro.) | | 4 | CHEM Subject Block 1 (Adv.) | | 4/5 |
| CHEM Subject Block 2 (intro.) | | 4 | CHEM Subject Block 2 (Adv.) | | 4/5 |
| Other GEN ED. | | 3 | Elective | | 3 |
| MATH A241 | Calculus III | 4 | Engineering Cognate | | 3 |

Fourth Year

| 1st Semester | | | 2nd Semester | | |
|-------------------------------|-----------------|-----|-----------------------------|-----------------|-----|
| Course | Title | hrs | Course | Title | hrs |
| CHEM Subject Block 3 (intro.) | | 4 | CHEM Subject Block 3 (Adv.) | | 4/5 |
| BIOL A541 | Biochemistry | 4 | Elective | | 3 |
| CHEM A499 | Senior Research | 1-3 | CHEM A499 | Senior Research | 1-3 |
| Engineering Cognate | | 3 | Elective | | 3 |
| Other GEN ED. | | 3 | Elective | | 3 |