

Engineering Physics

Freshman Year

Fall Semester

| Course # | Course Name | Hrs |
|-----------------------|---------------------------|-----------|
| MTH 121 | Calc. and Analytic Geo. I | 4 |
| ENG 110 | College Writing <i>or</i> | |
| GST 110 | Global Experience | 4 |
| PHY 113 | Gen. Physics I W/Calculus | 4 |
| HED 110 | Wellness | 2 |
| EGR 103 | Challenges in Engineering | 1 |
| ELN 101 | Orientation | 1 |
| Semester Total | | 16 |

Winter Semester

| Course # | Course Name | Hrs |
|-------------------------------|-----------------------------|-----------|
| Gen. Studies | General Studies | 4 |
| <u>Spring Semester</u> | | |
| MTH 221 | Calc. and Analytic Geo. II | 4 |
| ECO 201 | Principles of Economics | 4 |
| PHY 114 | Gen. Physics II W/Calculus | 4 |
| GST 110 | Global Experience <i>or</i> | |
| ENG 110 | College Writing | 4 |
| EGR 103 | Challenges in Engineering | 2 |
| Semester Total | | 18 |

Sophomore Year

Fall Semester

| Course # | Course Name | Hrs |
|-----------------------|-----------------------------|-----------|
| MTH 321 | Calc. and Analytic Geo. III | 4 |
| PHY 213 | Intro. To Modern Physics | 4 |
| EGR 206 | Engr. Mechanics.-Statics | 3 |
| CHM 111 | General Chemistry I | 3 |
| CHM113 | General Chemistry I Lab | 1 |
| PE ____ | | 1 |
| Semester Total | | 16 |

Winter Semester

| Course # | Course Name | Hrs |
|-------------------------------|-------------------------------|-----------|
| Gen. Studies | (Travel Abroad possible) | 4 |
| <u>Spring Semester</u> | | |
| CHM 112 | General Chemistry II | 3 |
| CHM114 | General Chemistry II Lab | 1 |
| MTH 421 | Differential Equations | 4 |
| EGR 208 | Engr. Mech. - Dynamics | 3 |
| PHY *** | Upper Level Physics <i>or</i> | |
| EGR 306 | Mechanics of Solids | 4 |
| PE ____ | | 1 |
| Semester Total | | 16 |

Junior Year

Fall Semester

| Course # | Course Name | Hrs |
|-----------------------|---------------------------|-----------|
| PHY 311 | Classical Electrodynamics | 4 |
| Gen. Studies | General Studies | 4 |
| Gen. Studies | UL Seminar | 4 |
| PHY 397 | Lab Sem | 2 |
| EGRPHY310 | Engr. Thermodynamics | 4 |
| Semester Total | | 18 |

Winter Semester

| Course # | Course Name | Hrs |
|-------------------------------|-------------------------------|-----------|
| Gen. Studies | (Travel Abroad possible) | 4 |
| <u>Spring Semester</u> | | |
| PHY *** | Upper Level Physics <i>or</i> | |
| Gen. Studies | Soc. Studies | 4 |
| CSC 130 | Computer Science I | 4 |
| PHY 398 | Lab Sem | 2 |
| EGRPHY211 | Circuit Analysis | 3 |
| EGRPHY212 | Circuit Analysis Lab | 1 |
| Gen. Studies | Humanities | 4 |
| Semester Total | | 18 |

Total Hours Required = 114