

INDUSTRIAL ENGINEERING LOUISIANA TECH UNIVERSITY

Name _____

Date _____

Student ID _____

Email _____

| FRESHMAN YEAR | | | | | | | | | | | |
|---------------|-------------------------|----|----|----------------|-------------------------|----|----|----------------|---------------------------|----|----|
| Fall Quarter | | Cr | Gr | Winter Quarter | | Cr | Gr | Spring Quarter | | Cr | Gr |
| ENGR 120* | Engr Problem Solving I | 2 | | ENGR 121* | Engr Problem Solving II | 2 | | ENGR 122* | Engr Problem Solving III | 2 | |
| MATH 240* | Math for Engr & Science | 3 | | MATH 241* | Calculus I | 3 | | MATH 242* | Calculus II | 3 | |
| CHEM 100* | General Chemistry | 2 | | CHEM 101* | General Chemistry | 2 | | CHEM 102 | General Chemistry | 2 | |
| ENGL 101 | Freshmen Composition I | 3 | | CHEM 103* | General Chemistry Lab | 1 | | PHYS 201* | Physics for Engr & Sci. I | 3 | |
| UNIV 100 | University Seminar | 1 | | ENGL 102 | Freshmen Composition II | 3 | | | | | |
| | | 11 | | | | 11 | | | | 10 | |

| SOPHOMORE YEAR | | | | | | | | | | | |
|----------------|------------------------------|----|----|-----------------|------------------------------|----|----|----------------|-------------------------------|----|----|
| Fall Quarter | | Cr | Gr | Winter Quarter | | Cr | Gr | Spring Quarter | | Cr | Gr |
| ENGR 220 | Statics & Mechs of Materials | 3 | | ENGR 221 | Electrical Engr & Circuits I | 3 | | ENGR 222 | Thermodynamics | 3 | |
| MATH 243* | Calculus III | 3 | | MATH 244* | Calculus IV | 3 | | MATH 245 | Differential Equations | 3 | |
| INEN 300 | Engineering Economics | 2 | | INEN 301 | Industrial Cost Analysis | 3 | | PHYS 202 | Physics for Engr & Science II | 3 | |
| MEEN 215 | Engineering Materials Lab | 1 | | BISC 101 | Fundamentals of Biology | 3 | | MEEN 321 | Manufacturing Processes | 2 | |
| MEMT 201 | Engineering Materials | 2 | | | | | | | | | |
| | | 11 | | | | 12 | | | | 11 | |

| JUNIOR YEAR | | | | | | | | | | | |
|-----------------|------------------------------|----|----|-----------------|---------------------------|----|----|-----------------|-------------------------------|----|----|
| Fall Quarter | | Cr | Gr | Winter Quarter | | Cr | Gr | Spring Quarter | | Cr | Gr |
| INEN 400 | Engineering Statistics I | 3 | | INEN 401 | Engineering Statistics II | 3 | | INEN 405 | Industrial Scheduling | 3 | |
| INEN 402 | Intro to Operations Research | 3 | | INEN 404 | Operations Research | 2 | | INEN 413 | Robotics & Manufacturing | 3 | |
| INEN 408 | Manufact Facilities Planning | 3 | | INEN 409 | Work Design | 3 | | INEN 414 | Industrial Ergonomics | 3 | |
| ENGL 303 | Technical Writing | 3 | | INEN 415 | Computer-Aided Design | 3 | | ENGL 363 | Scientific/Tech Presentations | 3 | |
| | | 12 | | | | 11 | | | | 12 | |

| SENIOR YEAR | | | | | | | | | | | |
|-------------------|-----------------------|----|----|-------------------|------------------------|----|----|-----------------------|---------------------|----|----|
| Fall Quarter | | Cr | Gr | Winter Quarter | | Cr | Gr | Spring Quarter | | Cr | Gr |
| INEN 407 | Simulation | 3 | | INEN 422 | Capstone Design II | 1 | | INEN 423 | Capstone Design III | 1 | |
| INEN 410 | Manufact Systems Mgmt | 3 | | MATH 308 | Linear Algebra | 3 | | Directed Elective** | | 3 | |
| INEN 421 | Capstone Design I | 1 | | ART† | Fine Arts Appreciation | 3 | | ENGL 210, 211, or 212 | Literature | 3 | |
| HIST*** | | 3 | | Social Science*** | | 3 | | Social Science*** | | 3 | |
| Social Science*** | | 3 | | | | | | | | | |
| | | 13 | | | | 10 | | | | 10 | |

Neither *MATH 240* nor *CHEM 100* counts toward the Industrial Engineering degree. Placement exams are available.

* Grade of C or higher required before taking a course for which this one is a prerequisite.

** Directed electives are chosen in consultation with advisor and approved by the Program Chair.

*** HIST 102, GEOG 205, or GEOG 210 count as the International Education Requirement (IER).

† ART 290, SPTH 290, MUGN 290, or KINE 280 counts as the Fine Arts Requirement.

Courses in **bold** are typically offered only once per year.