

Department of Industrial and Systems Engineering
Bachelor of Science in Industrial and Systems Engineering
Major Code: ISEN

Curriculum Guide

| Course | CR | Course | CR |
|---|-----------|---|-----------|
| Freshman Year: First Semester | | Freshman Year: Second Semester | |
| ENGL 100 | 3 | ENGL 101 | 3 |
| CHEM 106 | 3 | Humanities/Fine Arts Elective ¹ | 3 |
| CHEM 116 | 1 | ISEN 162 | 2 |
| MATH 131 | 4 | MATH 132 | 4 |
| GEEN 100 | 2 | PHYS 241 | 3 |
| GEEN 111 | 1 | PHYS 251 | 1 |
| Semester Total | 14 | ISEN 121 | 1 |
| | | Semester Total | 17 |
| Sophomore Year: First Semester | | Sophomore Year: Second Semester | |
| PSYC 101 ¹ (formerly PSYC 320) | 3 | Global Awareness Elective ¹ | 3 |
| ISEN 102 | 2 | African-American Culture / HIST Elective | 3 |
| ISEN 246 | 3 | MEEN 260 | 2 |
| MATH 351 | 3 | ISEN 255 | 3 |
| PHYS 242 | 3 | ISEN 286 | 1 |
| PHYS 252 | 1 | MATH 231 | 4 |
| Semester Total | 15 | Semester Total | 16 |
| Junior Year: First Semester | | Junior Year: Second Semester | |
| ISEN 380 | 3 | ISEN 324 | 3 |
| ISEN 430 | 3 | ISEN 386 | 1 |
| ISEN 361 | 3 | ISEN 435 | 3 |
| ISEN 370 | 3 | ISEN 465 | 3 |
| ISEN 471 | 2 | ISEN 472 | 2 |
| Semester Total | 14 | MEEN 230 | 3 |
| | | Semester Total | 15 |
| Senior Year: First Semester | | Senior Year: Second Semester | |
| ISEN 425 | 3 | ISEN 440 | 3 |
| ISEN 455 | 3 | ISEN 486 | 1 |
| ISEN 415 | 3 | ISEN 495 | 3 |
| ISEN 475 | 3 | ISEN 480 | 3 |
| ISEN 400 | 1 | ISE Technical Elective ¹ | 3 |
| ISE Technical Elective ¹ | 3 | Semester Total | 13 |
| Semester Total | 16 | | |

Total Credit Hours: 120

¹See your academic advisor for a list of eligible courses to satisfy these requirements.

MAJOR PROGRAM REQUIREMENTS

Students must earn a C or better in the following courses:

| | |
|----------|----------|
| CHEM 106 | GEEN 100 |
| MATH 131 | ISEN 361 |
| MATH 132 | ISEN 370 |
| MATH 231 | MEEN 260 |
| PHYS 241 | MEEN 230 |
| PHYS 242 | |