

## **B.S.** in Industrial and Systems Engineering

College of Engineering and Engineering Technology

Degree Path - Catalog 2014-2015

| Semester 1                      | Credits | Success Marker  |
|---------------------------------|---------|---|
| CHEM 210                        | 3       | Students must receive a C or<br>better in ENGL 103 and MATH |
| CHEM 212                        | 1       | 229   |
| ENGL 103                        | 3       |   |
| MATH 229                        | 4       |   |
| UEET 101                        | 1       |   |
| Gen Ed: Humanities & Arts (LAS) | 3       |   |
| Total hours                     | 15      |   |

| Semester 2      | Credits | Success Marker  |
|-----------------|---------|---|
| COMS 100        | 3       | Students must receive a C or<br>better in ENGL 104 and MATH |
| ENGL 104        | 3       | 230   |
| MATH 230        | 4       |   |
| MEE 270         | 3       |   |
| PHYS 253        | 3       |   |
| PHYS 253S       | 1       |   |
| Total hours     | 17      |   |
| Notes/Comments: |         |   |

| Semester 3      | Credits |
|-----------------|---------|
| ECON 260 or 261 | 3       |
| ISYE 250        | 2       |
| ISYE 350        | 3       |
| MATH 232        | 4       |
| PHYS 273        | 3       |
| PHYS 273S       | 1       |
| Total hours     | 16      |
|                 | 1 16    |

| Semester 4               | Credits |
|--------------------------|---------|
| CSCI 240                 | 3       |
| ELE 210 or TECH 175/175A | 3-4     |
| ISYE 220                 | 3       |
| ISYE 335                 | 3       |
| MEE 209 or MEE 210/211   | 4 or 6  |
|                          |         |
| Total hours              | 16-19   |
| Notes/Comments:          |         |

| Semester 5      | Credits | Success Marker |
|-----------------|---------|----------------|
| ISYE 370        | 3       |                |
| ISYE 410        | 3       |                |
| ISYE 435        | 3       |                |
| PSYC 102        | 3       |                |
| TECH Elective I | 3       |                |
|                 |         |                |
| Total hours     | 15      |                |
| Notes/Comments: |         |                |

| Semester 6                      | Credits | Succes |
|---------------------------------|---------|--------|
| ISYE 310                        | 3       |        |
| ISYE 371                        | 3       |        |
| ISYE 430                        | 3       |        |
| MATH 336                        | 3       |        |
| Gen Ed: Humanities & Arts (VPA) | 3       |        |
| Gen Ed: Humanities & Arts (LAS) | 3       |        |
| Total hours                     | 18      |        |

| Semester 7        | Credits | Success Marker   |
|-------------------|---------|--|
| ISYE 440          | 3       | <ul> <li>Apply for graduation (2/1 for<br/>May, 6/15 for August, or 9/1 for</li> </ul> |
| ISYE 460          | 3       | December)  |
| ISYE 480          | 3       |  |
| TECH Elective II  | 3       |  |
| TECH Elective III | 3       |  |
| Total hours       | 15      |  |
| Notes/Comments:   |         |  |

| ss Marker | Success | Credits | Semester 8                       |
|-----------|---------|---------|----------------------------------|
|           |         | 3       | SYE 450                          |
|           |         | 4       | SYE 495                          |
|           |         | 3       | ECH Elective IV                  |
|           |         | 3       | ECH Elective V                   |
|           |         | 3       | en Ed: Interdisciplinary Studies |
|           |         | 16      | otal hours                       |
|           |         | 16      | otes/Comments:                   |

Notes/Comments: This plan is an example of what a four year plan could look like for a typical student. Placement exam scores in math as well as the completion of coursework may change the plan. It should not be used in the place of regular academic advising appointments. All students are required to meet with their advisor each semester to discuss course scheduling. All requirements are subject to change by NIU.