

## **Mechatronics Engineering**

College of Engineering and Engineering Technology

Degree Path - Catalog 2023-2024

| Semester 1  | Credits | Success Marker  | Semester 2  | Credits | Success Marker |
|---|---------|-----------------|-------------|---------|----------------|
| ENGL 103  | 3       | • C or better   | ENGL 203    | 3       | • C or better  |
| MATH 229  | 4       | • C or better   | MATH 230    | 4       | • C or better  |
| PHYS 253  | 4       | • C or better   | PHYS 273    | 4       | • C or better  |
| UEET 101 or UEET 301  | 1       |                 | MEE 210     | 3       |                |
| COMS 100  | 3       |                 | CSCI 240    | 4       |                |
| Total hours   | 15      |                 | Total hours | 18      |                |
| Notes/Comments: UEET 101 is only offered in fall semester. UEET 301 is only offered in spring semester. |         | Notes/Comments: |             |         |                |

| Semester 3          | Credits | Success Marker  | Semester 4                        | Credits | Success Mar |
|---------------------|---------|-----------------|-----------------------------------|---------|-------------|
| MATH 336            | 3       | • C or better   | MATH 232                          | 4       |             |
| MCTR 210            | 3       |                 | ELE 315                           | 3       |             |
| ELE 210 & 210U      | 4       | • C or better   | ISYE 220                          | 3       |             |
| MEE 270             | 3       |                 | MEE 211                           | 3       |             |
| CHEM 210 & CHEM 212 | 4       |                 | ELE 250 & 250U or TECH 277 & 277A | 4       |             |
| Total hours         | 17      |                 | Total hours                       | 17      |             |
| Notes/Comments:     |         | Notes/Comments: |                                   |         |             |
|                     |         |                 |                                   |         |             |

| Semester 5                   | Credits | Success Marker  | Semester 6           | Credits | Success Marke |
|------------------------------|---------|-----------------|----------------------|---------|---------------|
| MCTR 320                     | 3       |                 | ELE 380 or MEE 322   | 4 or 3  |               |
| MEE 320 or MEE 321 & MEE 383 | 3 or 6  |                 | MEE 380 or MEE 381   | 3       |               |
| MEE 212 or MEE 340           | 3       |                 | MCTR 420             | 3       |               |
| ELE 330 or TECH 276 & 276A   | 4       |                 | ISYE 335 or STAT 300 | 3       |               |
| Gen Ed: Society & Culture    | 3       |                 | Technical Elective   | 3       |               |
|                              |         |                 |                      |         |               |
| Total hours                  | 16      |                 | Total hours          | 15-16   |               |
| Notes/Comments:              |         | Notes/Comments: |                      |         |               |

| Semester 7                             | Credits | Success Marker  | Semester 8                             | Credits | Success Mark |
|--|---------|-----------------|--|---------|--------------|
| MEE 421                                | 3       |                 | MCTR 482                               | 3       |              |
| MCTR 440                               | 3       |                 | Technical Elective                     | 3       |              |
| MCTR 481                               | 3       |                 | Technical Elective                     | 3       |              |
| Technical Elective                     | 3       |                 | Gen Ed: Creativity & Critical Analysis | 3       |              |
| Gen Ed: Creativity & Critical Analysis | 3       |                 | Gen Ed: Society & Culture              | 3       |              |
|  |         |                 |  |         |              |
| Total hours                            | 15      |                 | Total hours                            | 15      |              |
| Notes/Comments:                        |         | Notes/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.