

## Robotics Sample Schedule<sup>1</sup>

| Requirement Group                                 | Course Name                      | Credit hours | Term      |           |           |           |           |           |           |           |           |
|---|----------------------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|   |                                  |              | 1         | 2         | 3         | 4         | 5         | 6         | 7         | 8         |           |
| Required for all CoE                              | Robotics 101 or Math 214         | 4            | 4         |           |           |           |           |           |           |           |           |
|   | Engineering 100                  | 4            |           | 4         |           |           |           |           |           |           |           |
|   | Engineering 101 or Robotics 102  | 4            | 4         |           |           |           |           |           |           |           |           |
|   | Mathematics 115 and 116          | 8            | 4         | 4         |           |           |           |           |           |           |           |
|   | Mathematics 216                  | 4            |           |           | 4         |           |           |           |           |           |           |
|   | Physics 140 and Lab 141          | 5            |           | 5         |           |           |           |           |           |           |           |
|   | Physics 240 and Lab 241          | 5            |           |           | 5         |           |           |           |           |           |           |
|   | Chemistry 125/126/130 or 210/211 | 5            |           |           |           | 5         |           |           |           |           |           |
|   | Intellectual Breadth             | 16           | 4         |           | 4         |           | 4         |           |           | 4         |           |
| Robotics Program Core                             | Robotics 204                     | 4            |           |           |           | 4         |           |           |           |           |           |
|   | Robotics 310*                    | 4            |           |           |           |           |           | 4         |           |           |           |
| Robotics Intermediate                             | Robotics 311*                    | 4            |           |           |           |           | 4         |           |           |           |           |
|   | Robotics 320                     | 4            |           |           |           |           |           |           |           | 4         |           |
|   | Robotics 330                     | 4            |           |           |           |           |           |           | 4         |           |           |
|   | Robotics 340                     | 4            |           |           |           |           | 4         |           |           |           |           |
| Disciplinary Breadth                              | EECS 280 - Data Structures       | 4            |           |           | 4         |           |           |           |           |           |           |
|   | IOE 265 - Probability and Stat   | 3            |           |           |           | 3         |           |           |           |           |           |
|   | EECS 215 or 270 or BME 211       | 4            |           |           |           | 4         |           |           |           |           |           |
|   | ME 240 or BME 231                | 4            |           |           |           |           |           | 4         |           |           |           |
| Disciplinary Depth                                | NAVARCH 270                      | 4            |           |           |           |           | 4         |           |           |           |           |
| Capstone  | TCHNCLCM 350                     | 3            |           |           |           |           |           |           | 3         |           |           |
|   | Robotics 450 or EECS 467         | 4            |           |           |           |           |           |           |           | 4         |           |
| Technical Electives                               | Upper Level Robotics Electives   | 12           |           |           |           |           |           | 4         | 4         | 4         |           |
|   | Flexible Technical Electives     | 0            |           |           |           |           |           |           |           |           |           |
| General Electives                                 | General Electives                | 11           |           | 3         |           |           |           | 4         | 4         |           |           |
| * counted as Upper Level Robotics Elective credit | <b>Total</b>                     | <b>128</b>   | <b>16</b> | <b>16</b> | <b>17</b> | <b>16</b> | <b>16</b> | <b>16</b> | <b>16</b> | <b>15</b> | <b>16</b> |

<sup>1</sup> Please note: This schedule selects 300-level courses and electives which allow the student to emphasize breadth-focused, well rounded robotics. There is a high degree of flexibility within the requirements of the Robotics BSE and it is possible to select 300-level courses and electives to emphasize many other areas. Please see the Robotics Undergraduate Program Guide for more information and sample schedules.