**Academic Roadmap**

Department of Engineering

BS in Industrial Engineering\_

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **YEAR 1 (0 – 45 UNITS)** | **FALL** | **UNITS** | **WINTER** | **UNITS** | **SPRING** | **UNITS** | **NOTES** |
| **A2** ENGL 1001 (4)  | 4 | ENGR 1420 (2) |  | ENGR 2070 (4)  | 4 |  |
| **B1/3** CHEM 1101 (5) | 5 | MATH 1305 (4) |  | MATH 2304 (4) | 4 |
| **B4** MATH 1304 (4) **G1** | 4 | **B3** ENGR 1011 (3) |  | **B2** PSYC 1000 (5) | 5 |
|  GS 1011 (1) | 1 | **B5** ENGR 2060 (4) |  | **A3** Critical Thinking (4) | 4 |
| **G4** LIBY 1210 or 1551 (2) | 1 | **A1 C**OMM 1000 (4)  |  | **F2** ART/DANC/ KPE/MUS Activity (1) | 1 |
|  |  | **F1** ART/DANC/ KPE/MUS Activity (1) |  | **G3** GS 1031 (.5) | 0.5 |
|  |  | **G2** GS 1021 (.5) |  |  |  |
| TOTAL UNITS | 16 | TOTAL UNITS | 18.5 | TOTAL UNITS | 18.5 |
| TOTAL UNITS FOR YEAR | 53 |

Year 1 (0 – 45 units)

You should . . .

 Complete your Freshman Cluster Classes

and consider . . .

 Attend a noon music recital

|  |  |  |  |  |  |  |  |
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| **YEAR 2 (46 - 90 UNITS)** | **FALL** | **UNITS** | **WINTER** | **UNITS** | **SPRING** | **UNITS** | **NOTES** |
| **C1** Fine Arts (4) | 4 | **D2** Social Science (4) | 4 | **C2** Letters (4) | 4 |  |
| **D1** ECON 2301(4) | 4 | **2nd Comp** ENGL 1002 (4) | 4 | CS 1160 (4) | 4 |
| INDE 3020 (4) | 4 | MATH 2101 (4) | 4 | PHYS 1003 (5) | 5 |
| PHYS 1001 (5) | 5 | PHYS 1002 (5) | 5 |  |  |
| TOTAL UNITS | 17 | TOTAL UNITS | 17 | TOTAL UNITS | 13 |
| TOTAL UNITS FOR YEAR | 47 |

and consider . . .

 Explore student organizations

 Explore leadership opportunities

Year 2 (46– 90 units)

You should . . .

 Complete areas A1-A4

 Complete lower division GE requirements

 Complete English 1002

|  |  |  |  |  |  |  |  |
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| **YEAR 3 (91 – 135 UNITS)** | **FALL** | **UNITS** | **WINTER** | **UNITS** | **SPRING** | **UNITS** | **NOTES** |
| ENGR 2010 (3) | 3 | INDE 3101 (4) | 4 | INDE 4300 (4) | 4 |  |
| INDE 3601 (4) | 4 | INDE 3602 (4) | 4 | INDE 4400 (4) | 4 |
| INDE 3841 (4) | 4 | INDE 4100 (4) | 4 | **B6** INDE 3190 (4) | 4 |
| **D4** INDE/ECON 3140 (4) | 4 | **C3** Humanities (4) | 4 | **C4** Upper Division Humanities (4) | 4 |
| **F3** ART/DANC/ KPE/MUS Activity (1) | 1 | **F4** ARTDANC/ KPE/MUS Activity (1) | 1 |  |  |
| TOTAL UNITS | 16 | TOTAL UNITS | 17 | TOTAL UNITS | 16 |
| TOTAL UNITS FOR YEAR | 49 |

You should . . .

 Take the Writing Skills Test in fall quarter

 Enroll in ENGL 3000 if needed

 Complete at least one upper division GE requirement

and consider . . .

 Meet with your major advisor

 Attend the Graduate School Fair

 Seek leadership opportunities in a club or student government

Year 3 (91– 135units)

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| **YEAR 4 (136 – 180 UNITS)** | **FALL** | **UNITS** | **WINTER** | **UNITS** | **SPRING** | **UNITS** | **NOTES** |
| INDE 4200 (4) | 4 | INDE 4350 (4) | 4 | INDE 4440 (4) | 4 |  |
| INDE 4280 (4) | 4 | INDE 4430 (4) | 4 | INDE 4620 (3) | 3 |
| MATH/SCIENCE Electv (4) | 4 | INDE 4610 (3) | 3 | INDE Elective (4) | 4 |
| **Code** U.S. History/ Government (4) | 4 | INDE Elective (4) | 4 |  |  |
|  |  | **Code** U.S. History/ Government (4) | 4 |  |  |
| TOTAL UNITS | 16 | TOTAL UNITS | 19 | TOTAL UNITS | 11 |
| TOTAL UNITS FOR YEAR | 46 |

You should . . .

 File for graduation

 Complete upper division GE requirements

and consider . . .

 Meet with major advisor

 Attend a Career Fair

 Attend the Graduate School Fair

 Conduct information interviews in your field

Year 4 (136 – 180 units)

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| **TOTAL UNITS ON PLAN** | 195 |  |
| MAJOR UNITS | 143 |
| FRESHMAN CLUSTER UNITS | 13 |
| GENERAL EDUCATION UNITS | 72 |
| UNRESTRICTED ELECTIVE UNITS | 0 |