DEGREE REQUIREMENTS RECORD FORM

DEPARTMENT OF MECHANICAL ENGINEERING

Catalog 2020-2023 Proposed Date of Graduation \_\_\_\_\_\_\_\_\_\_\_

Student's Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SUID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Last First Middle

First Semester **FRESHMAN YEAR** Second Semester

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course | Dept | No | Cr | Grd | Sem | Yr |
| Freshman Engr I | engr | 120B | 2 |  |  |  |
| Freshman Composition | SEnl | 101B | 3 |  |  |  |
| Calculus I | SMat | 211B | 4 |  |  |  |
| General Chemistry I | SChe | 132B | 3 |  |  |  |
| General Chemistry I Lab | SChe | 132LB | 1 |  |  |  |
| Life Science Elec\* |  |  | 3 |  |  |  |
| Total |  |  | 16 |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course | Dept | No | Cr | Grd | Sem | Yr |
| Freshman Engr II | engr | 130B | 2 |  |  |  |
| Freshman Composition | SEnl | 102B | 3 |  |  |  |
| Calculus II | SMat | 212B | 4 |  |  |  |
| General Physics I | SPhy | 213B | 3 |  |  |  |
| General Physics I Lab | SPhy | 213LB | 1 |  |  |  |
| Economics | SECO | 211B | 3 |  |  |  |
| Total |  |  | 16 |  |  |  |

First Semester **SOPHOMORE YEAR** Second Semester

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course | Dept | No | Cr | Grd | Sem | Yr |
| Statics♦ | CiEn | 224B♦ | 3 |  |  |  |
| Calculus III | Math | 364B | 4 |  |  |  |
| Tech Communications | ENGR | 230B | 2 |  |  |  |
| General Physics II | SPhy | 215B | 3 |  |  |  |
| General Physics II Lab | SPhs | 214LB | 1 |  |  |  |
| Social Science Elect\* |  |  | 3 |  |  |  |
| Total |  |  | 16 |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Course | Dept | No | Cr | Grd | Sem | Yr |
| Diff Equations for Engr ‡ | EnGR | 330B | 3 |  |  |  |
| Dynamics | MeEn | 225B | 3 |  |  |  |
| Mechanics of Materials | MeEn | 227B | 3 |  |  |  |
| Materials Sci & Engr | MeEn | 235B | 3 |  |  |  |
| Intro to CADD | MeEn | 252B | 2 |  |  |  |
| E. E. Fundamentals | ELEN | 352B | 3 |  |  |  |
| Total |  |  | 17 |  |  |  |

First Semester **JUNIOR YEAR** Second Semester

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course | Dept | No | Cr | Grd | Sem | Yr |
| Num Methods for Engr | MEEN | 221B | 3 |  |  |  |
| Thermodynamics I | MeEn | 300B | 3 |  |  |  |
| Fluid Mechanics § | MeEn | 312B | 3 |  |  |  |
| Materials Processing | meen | 335B | 3 |  |  |  |
| Mechanics of Machines | MeEn | 350B | 3 |  |  |  |
| Health/PE Activity\* |  |  | 2 |  |  |  |
| Total |  |  | 17 |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Course | Dept | No | Cr | Grd | Sem | Yr |
| Thermodynamics II | MeEn | 301B | 3 |  |  |  |
| Measurements | meen | 356B | 3 |  |  |  |
| Machine Design | meen | 365B | 3 |  |  |  |
| Matl Sci & Engr Elect |  |  | 3 |  |  |  |
| Probability & Statistics | engr | 320B | 2 |  |  |  |
| History Elective\* |  |  | 3 |  |  |  |
| Total |  |  | 17 |  |  |  |

First Semester **SENIOR YEAR** Second Semester

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course | Dept | No | Cr | Grd | Sem | Yr |
| Heat Transfer | MeEn | 442B | 3 |  |  |  |
| ME Senior Design I | MeEn | 450B | 2 |  |  |  |
| Thermal Science Elect |  |  | 3 |  |  |  |
| History Elective\* |  |  | 3 |  |  |  |
| Literature Elective\*\* |  |  | 3 |  |  |  |
|  |  |  |  |  |  |  |
| Total |  |  | 14 |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Course | Dept | No | Cr | Grd | Sem | Yr |
| Engineering Economy | CiEn | 310B | 3 |  |  |  |
| Engr Model & Control † | MeEn | 456B | 3 |  |  |  |
| ME Senior Design II | MeEn | 451B | 2 |  |  |  |
| Engineering Seminar | eNGR | 400B | 1 |  |  |  |
| General Tech Elective# |  |  | 3 |  |  |  |
| Arts Elective\* |  |  | 3 |  |  |  |
| Total |  |  | 15 |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **OTHER REQUIREMENTS:** | | |  | |  | |  | |  |  |  | **APPROVED:** |
| Course | Dept | No | Cr | Grd | | Sem | | Yr | |  |  | Faculty Advisor: |
| African American Experience\*\* |  |  | 3 |  | |  | |  | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date: |
| Service Learning | SVLR | 400B, 300B, 200B, 100B | 3 |  | |  | |  | |  |  | Dept. Chair:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date:  Academic Dean: |
| Writing Proficiency | Engl | 001B | 0 |  | |  | |  | |  |  |
| Dept. Comp Exam | MeEn | 000B | 0 |  | |  | |  | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date: |

\* Choose from the General Education Requirements list, see the catalog

\*\* May satisfy both requirements, other courses may be taken, see the catalog

# The courses listed under Thermal Science and Materials Science & Engineering may also count as one of the general technical elective courses.

♦ CIEN 224 is considered **core course** for mechanical engineering students.

‡ MATH 370B is acceptable; § - CIEN 321 is acceptable/equivalent; † - ELEN 431 is acceptable/equivalent

**Notes:**

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| SPR = Spring, SUM = Summer, etc... T = TRANSFER, S = SUBSTITUTION (indicates a course substitution form is required) |
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