Applied Engineering Sciences

Prerequisite Flowchart

These requirements are effective for students admitted to the Applied Engineering Sciences major beginning Fall 2021.

**FRESHMAN YEAR**

**FALL Term 1**
- AESC 110 - 1
  AES as a Profession
- CEM 141 - 4
  Gen Cem
- PHY 191 - 1
  Physics Lab
- EGR 100 - 2
  Intro Engr Design
- MTH 132 - 3
  Calc I

**SPRING Term 2**
- CEM 161 - 1
  Cem Lab I
- EGR 102 - 2
  Intro Engr Model
- MTH 133 - 4
  Calc II
- Bioscience - 3/4
  Choose 1 from approved list
- WRA 101 - 4
  Univ Writing
  (Preq: WRA 1004 or designated score)

**SOPHOMORE YEAR**

**FALL Term 3**
- EC 201 - 3
  Introduction to Microeconomics
- EC 202 - 3
  Introduction to Macroeconomics
- MTH 234 - 4
  Multivar Calc
- ISS 2XX - 4
  *DIV- N, I or D

**SPRING Term 4**
- CEM 221 - 3
  Statics
- MTH 235 - 3
  Differential Eq
- ISS 3XX - 4
  *DIV- N, I or D

**JUNIOR YEAR**

**FALL Term 5**
- ASE 210 - 3
  Sustainable Systems Analysis
- ME 201 - 3
  Thermodynamics
  (Pre-req's: CEM 141, MTH 234 or CON & PHY 183)
- PHY 184 - 4
  Physics II

**SPRING Term 6**
- ME 280 - 2
  Graphic Comm
  (pre-req's: EGR 100 & MTH 132 or CON & EGR 102 or CON)
- PHY 191 - 1
  Physics Lab
- STT 351 - 3
  Probability & Stats
  for Eng

**SENIOR YEAR**

**FALL Term 7**
- Concentration 3 credits
- ME 325 - 3
  Management Skills
  and Processes OR
  COM 225 - 3
  Intro to Interpersonal Comm

**SPRING Term 8**
- Concentration 3 credits
- IAH 211 or > - 4
  *DIV- N, I or D
- Elective - 2
  3 crs of Gen Elecs

**LEGEND**
- Prerequisite
- Prerequisite or Concurrent
- Rounded box: Offered only in the semester listed (excluding summer)

*DIV: Complete courses in at least 2 out of 3 diversity categories- “N”, “I” or “D”

Last Revised: 05/15/2023