### First Year - 1st Semester
- **ISCI 151/L: Integrated Science I**
  - SGR 6
  - 4 Cr Hrs
- **MATH 123: Calculus I**
  - SGR 5+BS
  - 5 Cr Hrs
- **ENGL 101: Composition I**
  - SGR 1
  - 3 Cr Hrs
- **Fine Arts**
  - SGR 4
  - 3 Cr Hrs
- **BME 101/L: Intro to BME/Lab**
  - Major
  - 2 Cr Hrs

**Semester Credit Hours: 17**

### First Year - 2nd Semester
- **ISCI 153/L: Integrated Science II**
  - SGR 6
  - 4 Cr Hrs
- **MATH 125/L: Calculus II**
  - Major
  - 5 Cr Hrs
- **CSC 170/L: Programming**
  - Major
  - 3 Cr Hrs
- **PHYS 211/L: University Physics I**
  - Major
  - 4 Cr Hrs

**Semester Credit Hours: 16**

### Second Year - 1st Semester
- **ISCI 225/225L: Integrated Science III/Lab**
  - BS + M
  - 4 Cr Hrs
- **MATH 225: Calculus III**
  - Major
  - 4 Cr Hrs
- **CHEM 326/L or CHEM 310/L: Organic Chemistry**
  - Major
  - 5 Cr Hrs
- **BME 304: BME Fluid Mechanics**
  - Major
  - 3 Cr Hrs

**Semester Credit Hours: 16**

### Second Year - 2nd Semester
- **ISCI/BME 335/L: Biomedical Technologies/Lab**
  - Major
  - 4 Cr Hrs
- **MATH 321: Differential Equations**
  - Major
  - 4 Cr Hrs
- **Organic Chemistry of Biomolecules**
  - BS+Major
  - 5 Cr Hrs
- **BME/EM 214: Statics**
  - Major
  - 3 Cr Hrs
- **SPCM 101: Fundamentals of Speech**
  - SGR 2
  - 3 Cr Hrs

**Semester Credit Hours: 17**

### Third Year - 1st Semester
- **BME 303: Introduction to Biomechanics**
  - Major
  - 3 Cr Hrs
- **MATH 481: Probability and Statistics (Math Minor)**
  - Major
  - 3 Cr Hrs
- **BME 300: Quantitative Systems Phys I**
  - Major
  - 3 Cr Hrs
- **BME/MET 232: Properties of Materials**
  - Major
  - 3 Cr Hrs
- **BME/IENG 301: Engineering Economics**
  - Major
  - 3 Cr Hrs
- **ENGL 210: Intro to Literaure**
  - BS+ Major
  - 3 Cr Hrs

**Semester Credit Hours: 17**

### Third Year - 2nd Semester
- **BME 401: Introduction to Biomaterials**
  - Major
  - 3 Cr Hrs
- **MATH 483: BME Thermodynamics**
  - Major
  - 3 Cr Hrs
- **BME 463/L: BME Lab**
  - Major
  - 1 Cr Hrs
- **Social Science**
  - SGR 3
  - 3 Cr Hrs
- **Advanced Composition**
  - SGR 1
  - 3 Cr Hrs

**Semester Credit Hours: 18**

### Fourth Year - 1st Semester
- **BME 464: BME Senior Design I**
  - Major
  - 3 Cr Hrs
- **BME 401: Introduction to Biomaterials**
  - Major
  - 3 Cr Hrs
- **Engineering Elective**
  - Major
  - 3 Cr Hrs
- **Department Approved Social Science or Humanities Electives**
  - BS+Major
  - 3 Cr Hrs
- **Humanities Electives**
  - SGR 4
  - 3 Cr Hrs

**Semester Credit Hours: 15**

### Fourth Year - 2nd Semester
- **BME 465: BME Senior Design II**
  - Major
  - 3 Cr Hrs
- **BME Electives**
  - Major
  - 6 Cr Hrs
- **Department Approved Social Science or Humanities Electives**
  - BS+Major
  - 3 Cr Hrs
- **Social Science**
  - SGR 3
  - 3 Cr Hrs

**Semester Credit Hours: 16**

**Total Major Requirements: 130**

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**Notes:** New joint program with SDSM&T 2019-2020