BSE - BIME Program – Entering Classes of 2009

FRESHMAN | SOPHOMORE | JUNIOR | SENIOR

Engineering
40 core hours + 25 concentration hours

- ENGR 1012 (2) Engineering Graphics → ENGR 1014 (3) Intro to Engineering
- ENGR 2070 (3) Materials and Processes
- ENGR 2022 (3) Statics ← PHYS 2350
- ENGR 3004 (3) Dynamics ← MATH 2153 → ENGR 3012 (4) Thermal and Fluid Systems
- ENGR 4010 (2) Senior Capstone Design I → ENGR 4020 (2) Senior Capstone Design II
- ENGR 2050 (3) Computing Applications in Engineering → ENGR 2022 (3) Statics
- ICEE 2070, ICEE 2022 → ENGR 3024 (3) Mechanics of Materials
- ENGR 3300 (3) Project Management ← ENGL 1200
- ENGR 3400 (3) Engineering Economics ↔ MATH 3307

Classes shown in bold outline contain a lab component

Math/Science
32 hours

- MATH 2151 (3) Calculus I → MATH 2152 (3) Calculus II → MATH 2153 (3) Calculus III → MATH 2154 (4) DQ and Linear Algebra
- ENGR 3014 (3) Circuit Analysis → ENGR 3050 (3) Measurements and Instrumentation
- ICEE 4000 (3) Quality Systems Design
- BIME 4030 (4) Biomechanics And Materials ← ICEE 3004, ICEE 3024, CHEM 2750/53
- PHYS 2350 (4) University Physics I → PHYS 2360 (4) University Physics II
- CHEM 2750/2753 (4) Organic Chemistry
- BIME 4200 (4) Biomedical Instrumentation

Note: This chart is for planning purposes only. Consult your advisor and the catalog to ensure that all requirements are met.

- BIOL 1050/1051 or 1100/1101 (4)
- CHEM 1150/1151 (4) General Chemistry → MATH 2152, CHEM 1150/1151 → CHEM 1160/1161 (4) General Chemistry
- MATH 3307 (3) Engineering Statistics
- BIME 3000 (3) Biomedical Engineering → BIME 4040 (3) Physiological Systems

General
31 hours

- ENGL 1100 (3) Composition → ENGL 1200 (3) Composition
- Humanities/ Fine Arts Elective (2)
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- EXSS 1000 (1) Lifetime Physical Activity
- Social Sciences Elective (3)
- Humanities/ Fine Arts Elective (3)
- Social Sciences Elective (3)
- HLTH 1000 (2) Health in Modern Society
- ECON 2113 (3) Micro
- PHIL 2274 or 2275 (3) Professional Ethics
- Social Sciences Elective (3)

Cumulative Credit Hours / Credit Hours/Semester	15	16/31	17/48	17/65	17/82	16/98	15/113	15/128