

# BSME WITH BIOENGINEERING EMPHASIS

Year 1

FALL

SPRING

GE WRITTEN COMM. (3)

GE ORAL COMM. (3)

GE ARTS & HUM. (3)

GE SOCIAL & BEHAVIORAL (3)

MATH 150 (4)

GE CRIT. THINK./RWS 200 or LING200 (3)

GE PHYS. SCI./LAB/CHEM 202 (4)

MATH 151 (4)

ME 190 CAD (2)

PHYS 195 (3)

PHYS 195L (1)

Total Units: 16

Total Units: 17

**GE COURSES**

Year 2

FALL

SPRING

MATH 252 (4)

GE LIFE SCI./BIOL 203 (3)

PHYS 196 (3)

AE 280 (3)

PHYS 196L (1)

\*EE 204 ELEC. ENG. (3)

ME 200 STATICS (3)

ME 220 DYNAMICS (3)

ME 202 COMP. PROG. APP. (3)

ME 241 MAT. LAB (1)

ME 240 INTRO ENG. MAT. (3)

Total Units: 13

Total Units: 17

\*Or ME 296: Basics of Mechatronics

**MATH & SCI./GE COURSES**

**MATH & SCI. COURSES**

Year 3

FALL

SPRING

\*\*GE SOCIAL & BEHAVIORAL (3)

\*\*GE SOCIAL & BEHAVIORAL (3)

GE ARTS & HUM. (3)

GE ARTS & HUM. (3)

ME 360 FLUIDS ENG. (3)

ME 314 DESIGN MECH. COMP. (3)

AE 341 FLUIDS LAB (1)

ME 330 MECHATRONICS LAB (3)

ME 304 MECH OF MAT. (3)

ME 452 HEAT TRANSFER (3)

ME 350 THERMO. (3)

Total Units: 15

Total Units: 16

\*\*Or American Institutions

\*\*Or American Institutions

**BIOENGINEERING COURSES**

**ME COURSES**

Year 4

FALL

SPRING

GE EXPLOR. /ETHNIC STUDIES (3)

BIOL 436 HUM. PHYSIO. LAB. (2)

ME 490A SENIOR DESIGN I (3)

ME 490B SENIOR DESIGN II (3)

BIOL 336 HUMAN PHYSIO. (3)

\*\*\*ELECTIVE III (3)

\*\*\*ELECTIVE I (3)

\*\*\*ELECTIVE IIII (3)

\*\*\*ELECTIVE II (3)

Total Units: 11

Total Units: 15

\*\*\*Can choose from the following electives:  
ME 499  
ME 580  
ME 585  
ME 596 (special topics in bioengineering area)