

# BSME WITH BIOENGINEERING EMPHASIS

Year 1

**FALL**

**SPRING**

GE WRITTEN COMM.. (3)

GE ORAL COMM. (3)

GE ARTS & HUM. 100 (3)

GE SOCIAL & BEHAVIORAL. (3)

MATH 150 (4)

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

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

MATH 151 (4)

ME 190 CAD (2)

PHYS 195 (3)

Total Units: 16

PHYS 195L (1)

Total Units: 17

GE COURSES

Year 2

**FALL**

**SPRING**

MATH 252 (4)

GE ARTS & HUMANITIES (3)

PHYS 196 (3)

GE LIFE SCI./BIOL 203. (3)

AE 280 (3)

PHYS 196L (1)

ME 230 MECHATRONICS. (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: 17

Total Units: 16

MATH & SCI/GE COURSES

MATH & SCI. COURSES

Year 3

**FALL**

**SPRING**

\*\*GE SOCIAL & BEHAVIORAL (3)

\*\*GE SOCIAL & BEHAVIORAL (3)

GE ARTS & HUM. (3)

GWAR: UPPER DIVISION WRITING (3)

ME 360 FLUIDS ENG. (3)

AE 341 (1)

ME 304 MECH. MAT. (3)

ME 314 DESIGN MECH. COMP. (3)

ME 350 THERMO. (3)

ME 330 MECHATRONICS LAB. (3)

Total Units: 15

\*\*Or American Institutions

ME 452 HEAT TRANSFER (3)

Total Units: 16

\*\*Or American Institutions

ME COURSES

BIOENGINEERING COURSES

Year 4

**FALL**

**SPRING**

BIOL 336 HUM. PHYSIO. (3)

GE EXPLOR./ETHNIC STUDIES (3)

ME 490A SENIOR DESIGN I (3)

BIOL 436 HUM. PHYS.IO. LAB. (2)

\*\*\*ELECTIVE I (3)

ME 490B SENIOR DESIGN II (3)

\*\*\*ELECTIVE II (3)

\*\*\*ELECTIVE III (3)

Total Units: 12

\*\*\*ELCTIVE IV (3)

Total Units: 14

\*\*\*Can choose from the following electives:  
ME 499  
ME 580  
ME 582  
ME 585  
ME 596 (courses in bio area)