

# Bachelor of Science in Engineering Biomedical Concentration

Course #
Course Name
Prerequisite
Semester Taken

1st-fall	2nd	3rd	4th
1st-spring	2nd	3rd	4th

## PRE-ENGINEERING (46 CR.)

<b>MATH 111</b> Calculus I (F,S)	<b>MATH 112</b> Calculus II (F,S) <i>MATH 111</i>	<b>MATH 211</b> Calculus III (F,S) <i>MATH 112</i>	<b>MATH 261</b> Linear Algebra (F,S) <i>MATH 112</i>	<b>MATH 308</b> Diff. Equations (S) <i>MATH 211</i>	<b>PHYS 211</b> Gen. Physics I (S) <i>MATH 111</i>	<b>PHYS 212</b> Gen. Physics II (F) <i>PHYS 211</i>
<b>CHEM 105</b> Gen. Chemistry I (F)	<b>ENGR 101</b> Engr. Graphics (J)	<b>ENGR 102</b> Intro. to Engr. (F)	<b>ENGR 201</b> Group Orien. (S) <i>ENGR 102</i>	<b>ENGR 231</b> Statics (F) <i>PHYS 211</i>	<b>ENGR 254</b> Materials Engr. (S) <i>MATH 211/OPI</i>	<b>ENGR 262</b> Circuits Analysis (F,S) <i>MATH 111</i>

## UPPER DIVISION ENGINEERING (14 CR.)

<b>ENGR 288</b> Project I (F) <i>ENGR 201</i>	<b>ENGR 290</b> Engr. Economics (J) <i>UD Standing</i>	<b>ENGR 301</b> Seminar I (F,S) <i>Adm. to Major</i>	<b>ENGR 302</b> Seminar II (F,S) <i>ENGR 301</i>	<b>ENGR 366</b> Control Systems (F) <i>MATH 308</i>	<b>ENGR 388</b> Project II (S) <i>ENGR 288</i>	<b>ENGR 488</b> Project III (F) <i>ENGR 388</i>
<b>ENGR 489</b> Project IV (S) <i>ENGR 488</i>						

## BIOMEDICAL CONCENTRATION (29 CR.)

<b>ENGR 232</b> Engr. Dynamics (S) <i>ENGR 231</i>	<b>ENGR 333</b> Mech. of Materials (F) <i>M211/E231/OPI</i>	<b>ENGR 371</b> Thermodynamics (F) <i>M211/P212/OPI</i>	<b>ENGR 372</b> Fluid Mechanics (S) <i>M211/E232</i>	<b>ENGR 410</b> BME Design (S) <i>E375/E333</i>	<b>ENGR 375</b> Bio-Instrumentation <i>E262</i>	<b>STAT 291</b> Stats for Math Sci. (F) <i>MATH 111</i>
<b>BIOL 161*</b> Animal Form Func. (S)	<b>BIOL 385</b> Physiology (F) <i>CHEM 105</i>					

\*Or optional BIOL 160  
If BIOL 160 then swap semesters w/ MATH 261

## GENERAL EDUCATION (42 CR.)

<b>IDFY 101</b> First Year Seminar	Oral Communications	<b>IDCR 151</b> Created & Called	Social Sci./History	History	Literature	<b>PHED 101</b> Intro. to Wellness
Physical Fitness	Philosophy and Religion	Language I	Language II	Non-West./Cross Cult.	Bible	Christian Beliefs
Ethics/W.View/Pluralism	Writing Enriched					