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.)

MATH 111	MATH 112	MATH 211	MATH 261	MATH 308	PHYS 211	PHYS 212
Calculus I (F,S)	Calculus II (F,S)	Calculus III (F,S)	Linear Algebra (F,S)	Diff. Equations (F,S)	Gen. Physics I (S)	Gen. Physics II (F)
	MATH 111	*MATH 112*	*MATH 112*	*MATH 211*	*MATH 111*	*PHYS 211*

CHEM 105	ENGR 101	ENGR 102	ENGR 201	ENGR 231	ENGR 236	ENGR 254
Gen. Chemistry I (F)	Engr. Graphics (J)	Intro. to Engr. (F)	Group Orien. (S)	Statics (F)	Circuits I (F,S)	Materials Engr. (S)
			ENGR 102	*PHYS 211*	*MATH 111*	*MATH 211/OPI*

Upper Division Engineering (14 cr.)

ENGR 288	ENGR 290	ENGR 301	ENGR 302	ENGR 366	ENGR 388	ENGR 488
Project I (F)	Engr. Economics (J)	Seminar I (F,S)	Seminar II (F,S)	Control Systems (F,S)	Project II (S)	Project III (F)
ENGR 201	*UD Standing*	*Adm. to Major*	*ENGR 301*	*MATH 270 or 308*	*ENGR 288*	*ENGR 388*

ENGR 489
Project IV (S)
ENGR 488

Biomedical Concentration (29 cr.)

ENGR 232	ENGR 242	ENGR 333	ENGR 371	ENGR 372	ENGR 375	ENGR 410
Engr. Dynamics (F)	Experim. Methods (F,S)	Mech. of Materials (F,S)	Thermodynamics (F)	Fluid Mechanics (S)	Bio-Instrumentation (F)	BME Design (S)
ENGR 231	*PHYS 211*	*M211/E231/OPI*	*M211/P212/OPI*	*M211/E232*	*ENGR 236*	*ENGR 333*

BIOL 161*	BIOL 385
Animal Form Func. (J)	Physiology (F)
	CHEM 105

*Or optional BIOL 160

If BIOL 160 then swap semesters w/ MATH 261

General Education (42 cr.)

IDFY 101		IDCR 151				PHED 101
First Year Seminar	Oral Communication	Created & Called	Social Sci./History	History	Literature	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

March 28, 2014