Biomedical Engineering Course Plan

Catalog Year 2019-2020

Legend

* Major Requirement

Must be taken to fulfill major requirements.

† Major Elective

Second Year

Fall Semester

Principles of Material Science (ENGM 250) *	3 credits
Statics (ENGM 211) *	3 credits
Human Anatomy & Physiology I (BIOL 221) *	4 credits
General Physics with Calculus (PHYS 212) *	4 credits
Calculus III (MATH 301) *	3 credits
Semester Total	**17 credits**
Cumulative Total	**51 credits**

Spring Semester

Circuits & Instrumentation (ENGR 260) *	4 credits
Dynamics (ENGM 212) *	3 credits
Human Anatomy & Physiology II (BIOL 222) *	4 credits
Differential Equations and Linear Algebra (MATH 311) *	4 credits
Lifelong Fitness (HHPA 120) ‡	2 credits
Semester Total	**17 credits**
Cumulative Total	**68 credits**

Third Year

Fall Semester

Servant Engineering I (ENGR 381) *	2 credits
General Biology I (BIOL 211) *	4 credits
Biotransport (ENGB 330) *	3 credits
Mechanics of Biomaterials (ENGB 340) *	3 credits
Engineering Statistics (MATH 330) *	3 credits
Semester Total	**15 credits**
Cumulative Total	**83 credits**

Spring Semester

Servant Engineering II (ENGR 382) *	2 credits
Finite Elements & Computer Model (ENGM 360) *	3 credits
Biosignal Analysis (ENGB 350) *	3 credits
Biosignal Analysis Lab (ENGB 351) *	1 credits
Tissue Engineering (ENGB 370) *	3 credits
Intercultural GE Requirement §	3 credits
Semester Total	**15 credits**
Cumulative Total	**98 credits**