

Student Information

Name: _____ OSU Email: _____

Suggested Curriculum

This should be used as a **guide** only. Semester offerings are subject to change.

Year	Autumn	Spring
1	___ CHEM 1210 (<i>Gen Chem 1</i>) 5 hr ___ MATH 1151 (<i>Calculus 1</i>) 5 hr ___ ENGR 1181 (<i>Fundamentals of Engr 1</i>) 2 hr ___ ENGR 1100 (<i>Engineering Survey</i>) 1 hr ___ General Education 3 hr	___ CHEM 1220 (<i>Gen Chem 2</i>) 5 hr ___ MATH 1172 (<i>Engineering Math A</i>) 5 hr ___ ENGR 1182 (<i>Fundamentals of Engr 2</i>) 2 hr ___ PHYSICS 1250 (<i>Mechanics, Thermal, Waves</i>) 5 hr
2	___ MATH 2173 (<i>Eng Math B</i>) 3 hr ___ BIOLOGY 1113 (<i>Gen Biology</i>) 4 hr ___ BIOMEDE 2000 (<i>Intro to BME</i>) 3 hr ___ MECHENG 2040 (<i>Statics & Mechanics</i>) 4 hr ___ BIOMEDE 2800 (<i>Anatomy for Engineers</i>) 3 hr ___ BIOMEDE 2001 (<i>Prof Development</i>) 1 hr	___ MATH 2174 (<i>Linear Algebra & Diff EQ</i>) 3 hr ___ PHYSICS 1251 (<i>E&M, Optics, Modern Phys</i>) 5 hr ___ CHEM 2510 (<i>Organic Chem 1</i>) 4 hr ___ MATSCEN 2010 (<i>Intro to Engr Materials</i>) 3 hr ___ STAT 3450 (<i>Prob and Stat</i>) 2 hr ___ CHEM 2540 (<i>Organic Chem Lab 1</i>) 2 hr
3	___ BIOMEDE 2700 (<i>Num Simulation in BME</i>) 2 hr ___ MECHENG 3500 (<i>Thermo</i>) 3 hr ___ CHEM 2520 (<i>Organic Chem 2</i>) 4 hr ___ CHEM 2550 (<i>Organic Chem Lab 2</i>) 2 hr ___ BIOCHEM 4511 (<i>Biochemistry</i>) 4 hr ___ General Education 3 hr	___ BIOMEDE 3702 (<i>Meas & Instrum Lab</i>) 3 hr ___ General Education 3 hr ___ BIOLOGY 1114 (<i>Evolutionary Biology</i>) 4 hr ___ †BIOMEDE4X10 (<i>Domain 1</i>) 3 hr ___ BIOMEDE 3701 (<i>BME Labs</i>) 2 hr ___ General Education 3 hr
4	___ BIOMEDE 4901 (<i>Design 1</i>) 3 hr ___ Career Course (<i>Engineering</i>) 3 hr ___ General Education 3 hr ___ BIOMEDE 3703 (<i>Quantitative Physiol</i>) 3 hr ___ † BIOMEDE 4X10 (<i>Domain 2</i>) 3 hr ___ General Education 3 hr	___ BIOMEDE 4902 (<i>Design 2</i>) 3 hr ___ Career Course (<i>Engineering</i>) 3 hr ___ Career Course (<i>BME 5000-level</i>) 3 hr ___ †BIOMEDE4X10 (<i>Domain 3</i>) 3 hr ___ General Education 3 hr ___ General Education 3 hr

Total Hours to complete the degree program = 131

Program Options

†Domain Options (choose 3)

BIOMEDE 4110 (*Bioimaging*)BIOMEDE 4210 (*Biotransport*)BIOMEDE 4310 (*Biomaterials*)BIOMEDE 4410 (*Biomechanics*)BIOMEDE 4510 (*Molecular, Cellular, & Tissue Eng*)BIOMEDE 4610 (*Biomedical Micro-/Nano-Tech*)

Acceptance Criteria

Acceptance into the Biomedical Engineering major is limited and will depend on the outcome of application process that includes information about cumulative point-hour ratio (CPHR) upon completion of the following pre-major courses: Chem 1210/1220; Math 1151/1172; Physics 1250; ENGR 1181/1182; essay. Applications are accepted during spring term.

