

BMEG Advising Worksheet
(For Students who started program prior to Fall 2018)

Student Name: _____ ID: _____

Check all that apply:

- Honors
- Pre-Professional (Med/Dent/Vet)
- Pre-Industry
- Pre-Grad School
- Others:

Expected Graduation Date: _____

*Students who start the university starting Fall 2018 are required to follow the revised curriculum found on the revised advising worksheet.

*Students who entered the university prior to Fall 2018 are still on this curriculum, but may choose to migrate to this curriculum and will need to follow the entire new curriculum. Please talk to your advisor if you choose to do so.

	Courses I have taken (Term/Year)	Courses I will be taking (Term/Year)
GNEG 1111 Introduction to Engineering I (Fa)		
MATH 2554 Calculus I (Sp, Su, Fa)		
CHEM 1103 University Chemistry I (Su, Fa)		
PHYS 2054 University Physics I (Sp, Su, Fa) Pre- or Co: MATH 2554; Co: Lab component		
ENGL 1013 Composition I (Sp, Su, Fa)		
GNEG 1121 or 1103 Introduction to Engineering II (Sp) Prerequisite: GNEG 1111		
MATH 2564 Calculus II (Sp, Su, Fa) Prerequisite: MATH 2554 (C or better)		
CHEM 1123/21L University Chemistry II (Sp, Su, Fa)		
BIOL 1543/41L Principles of Biology (Sp, Su, Fa)		
ENGL 1023 Technical Composition II (Sp, Su, Fa)		
BMEG 2614 Introduction to BMEG (Su,Fa): Pre: GNEG 1121/1103, CHEM 1103, MATH 2554, PHYS 2054		
PHYS 2074 University Physics II (Sp, Su, Fa) Pre: PHYS 2054; Pre- or Co: MATH 2564; Co: Lab		
MATH 2574 Calculus III (Sp, Su, Fa) Pre: MATH 2564 (C or better)		
CHEM 3603/01L Organic Chemistry I (Fa, Su, Sp) Pre: CHEM 1123/21L		
BIOL 2533 Cell Biology (Sp, Fa) Pre- or Co: CHEM 1123/21L ; Pre: BIOL 1543, BIOL 1541L		
BMEG 2813 Biomechanical Engineering (Fa,Sp) Pre: BMEG 2613, CHEM 1123, MATH 2564, PHYS 2074		
BMEG 2904 Biomedical Instrumentation (Sp) Pre: BMEG 2613, MATH 2564, PHYS 2074		
MATH 2584 Differential Equations (Sp, Su, Fa) Pre: MATH 2564 (C or better)		
CHEM 3613/11L Organic Chemistry II (Fa, Su, Sp) Pre: CHEM 3603 and CHEM 3601L		
BMEG 3634 Biomaterials (Fa) Pre: BMEG 2813, CHEM 1123, BIOL 1543/41L		
BMEG 3124 Biomedical Signals & Systems (Fa) Pre: BMEG 2904		

BMEG Advising Worksheet
(For Students who started program prior to Fall 2018)

CHEG 2133 or MEEG 2403 Thermodynamics (Sp, Su, Fa) (CHEG)Pre-or Co: MATH 2574, (MEEG) Pre: PHYS 2054, MATH 2564		
BIOL 2213/11L Human Physiology (Sp, Fa) Pre: CHEM 1123/21L		
CHEG 2133 or MEEG 3503 Fluid Mechanics (Sp, Su, Fa) (CHEG 2133) Pre- or Co: MATH 2574 (MEEG 3503) Pre- or Co: MATH 2584; Pre: MEEG 2403		
BMEG 3653/H Biomed. Model. & Num. Methods (Sp) Pre: BMEG 2613, MATH 2574 or 3083, Co: MATH 2584		
BMEG 3824/H Biomolecular Engineering (Sp) Pre: BMEG 3634, CHEM 1123, BIOL 2533		
BMEG 4623/H Biomedical Transport Phenomena (Fa) Pre: BMEG 3653, MATH 2574, MATH 2584, Fluids, Thermo		
BMEG 4813 Biomedical Engineering Design I (Fa) Co: BMEG 4623, Pre (Fall'20): BMEG 3801, STAT 2023		
BMEG 4823 Biomed Engineering Design II (Sp) Pre: BMEG 4813		
Science Elective¹ (3 hrs) Course:		
BMEG Elective² (3 hrs) Course		
BMEG Elective² (3 hrs) Course		
BMEG Elective² (3 hrs) Course		
US History Requirement³ Check one: <input type="checkbox"/> HIST 2003 <input type="checkbox"/> HIST 2013 <input type="checkbox"/> PLSC 2003		
Humanities⁴ Course:		
Fine Art⁴ Course:		
Social Science⁴ Course		
Social Science⁴ Course		
Social Science⁴ Course		

I have filled out the online advising survey for the semester. **Completion of survey is required for removal of advising hold.*

I have discussed my post-graduation plans with my advisor during my appointment.

I have less than 8 hours of "D"s towards BMEG. **Students will not be allowed to graduate with more than 8 hours of Ds*

Student Signature: _____

Date: _____

Advisor Signature: _____

Date: _____

(Office Use)

Hold Removed By: _____

Date: _____

¹Students can select from the following or others approved by department:

BIOL 2323 General Genetics	CHEM 2263 Analytical Chemistry
BIOL 2443 Human Anatomy	CHEM 2613 Organic Physiological Chemistry
BIOL 2013 General Microbiology	CHEM 3203 Forensic Chemistry
BIOL 4263 Cell Physiology	CHEM 3453 Elements of Physical Chemistry
BIOL 4313 Molecular Cell Biology	CHEM 3504 Physical Chemistry I
BIOL 4653 Cancer Biology	CHEM 3514 Physical Chemistry II
BIOL 4713 Basic Immunology	CHEM 3813 Introduction to Biochemistry
	CHEM 4813H Honors Biochemistry I
	CHEM 4843H Honors Biochemistry II

²Students should select from the following list based on their field of interest. Check with department regarding updated list every semester:

BIOL 4167 Dynamic Models in Biology
BIOL 4233 Genomics and Bioinformatics
BMEG 4403 Biomedical Microscopy
BMEG 4243 Advanced Biomaterials and Biocompatibility
BMEG 4103L/M Nanotechnology Laboratory
BMEG 4213 Cell and Tissue Mechanics
BMEG 4413 Tissue Engineering
BMEG 4513 Biomedical Optics and Imaging
BMEG 4523 Biomedical Data and Image Analysis
BMEG 4713 Cardiovascular Physiology and Devices
BMEG 4973 Regenerative Medicine
BMEG 470V Special Topics in Biomedical Engineering: *Varies by semester*
BMEG 460V Individual Study *
BMEG 460VH Honors Individual Study *
BMEG 450VH Honors Thesis*

Biomedical engineering-related courses in College of Engineering (4000 or above) approved by department

* Between BMEG 460V, 460VH and 450VH, up to 3 hours total may be counted towards a BMEG elective requirement.

³Students should select: HIST 2003 History of the American People to 1877 or HIST 2013 History of the American People 1877 to Present or PLSC 2003 American National Government

⁴Students should consult the [Catalog of Studies](#) for a listing of approved Fine Arts, Humanities, and Social Science courses