

Student Name: \_\_\_\_\_ ID: \_\_\_\_\_

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

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

<b>BMEG 3124 Biomedical Signals &amp; Systems (Fa)</b> Prerequisite: BMEG 2904		
<b>CHEG 2313 or MEEG 2403 Thermodynamics (Sp, Su, Fa)</b> (CHEG 2313) Pre- or Corequisite: MATH 2574 (MEEG 2403) Prerequisite: PHYS 2054 and MATH 2564		
<b>BIOL 2213/11L Human Physiology (Sp, Fa)</b> Prerequisite: CHEM 1123/21L		
<b>CHEG 2133 or MEEG 3503 Fluid Mechanics (Sp, Su, Fa)</b> (CHEG 2133) Pre- or Corequisite: MATH 2574 (MEEG 3503) Pre- or Coreq: MATH 2584; Prereq: MEEG 2403		
<b>BMEG 3653/H Biomed. Model. &amp; Num. Methods (Sp)</b> Prerequisite: BMEG 2613, MATH 2574, MATH 2584		
<b>BMEG 3824/H Biomolecular Engineering (Sp)</b> Prerequisite: BMEG 3634, CHEM 1123, BIOL 2533		
<b>BMEG 4623/H Biomedical Transport Phenomena (Fa)</b> Pre-requisite: BMEG 3653, MATH 2574, MATH 2584, Fluids, Thermo		
<b>BMEG 4813 Biomedical Engineering Design I (Fa)</b> Corequisite: BMEG 4623		
<b>BMEG 4823 Biomed Engineering Design II (Sp)</b> Prerequisite: BMEG 4813		
<b>Science Elective<sup>1</sup> (3 hrs)</b> Course:		
<b>BMEG Elective<sup>2</sup> (3 hrs)</b> Course		
<b>BMEG Elective<sup>2</sup> (3 hrs)</b> Course		
<b>BMEG Elective<sup>2</sup> (3 hrs)</b> Course		
<b>US History Requirement<sup>3</sup></b> Check one: <input type="checkbox"/> HIST 2003 <input type="checkbox"/> HIST 2013 <input type="checkbox"/> PLSC 2003		
<b>Humanities<sup>4</sup></b> Course:		
<b>Fine Art<sup>4</sup></b> Course:		
<b>Social Science<sup>4</sup></b> Course		
<b>Social Science<sup>4</sup></b> Course		
<b>Social Science<sup>4</sup></b> Course		

Have you filled out the online advising survey for the current semester? Yes  No

*\*Completion of survey is required for removal of advising hold.*

Student Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**<sup>1</sup>Students 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

**<sup>2</sup>Students 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 4404 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 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.

**<sup>3</sup>Students 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

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