

Bioengineering Minor Checklist

Name _____

Student ID _____

Required:

- CBE 30386 Introduction to Bioengineer

Required 1 course from this group:

- BIOS 30341 Cellular Biology
 BIOS 40412 Systems Biology

Required 1 course from this group:

- BIOS 40412 Systems Biology
 BIOS 30344 Physiology
 BIOS 20303 Genetics
 Other biology course

Concentration Area

Biomaterials

- CBE 40456: Polymer Engineering
 CBE 40483: Biomolecular Engineering
 AME 50571: Biomaterials
 AME 60671: Orthopaedic Biomechanics

Biomechanics

- AME 50571: Biomaterials
 AME 60671: Orthopaedic Biomechanics
 AME 60672: Cell Mechanics
 AME 60673: Human Body Kinematics
 PHYS 40371: Medical Physics

Biotransport/Microdevices

- CBE 30357: Biotransport
 AME 60675: Biofluid Mechanics
 CBE 30357: Biotransport
 CE 60355: Water, Disease & Global Health
 EE 40432: Intro to Systems Biology

Tissue Engineering and Biomaterials

- CBE 40479: Tissue Engineering (Spring)*
 AME 60677: Tissue Engineering*
 CBE 40483: Topics in Biomolecular Engineering
 CBE 41910: Biomolecular Engineering Lab
 AME 50571: Biomaterials
 CBE 40487: Drug development and methods of action

*Only one of these courses can be used

Molecular and Cellular Bioengineering

- CBE 40483: Biomolecular Engineering
 CBE 40487: Drug development and methods of action
 CBE 41910: Biomolecular Engineering Lab
 CE 60355: Water, Disease & Global Health
 EE 40432: Intro to Systems Biology
 PHYS 40432: Biological Physics

Self directed concentration

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Approved by: _____

Date: _____