

## **BME-Approved Bioscience Courses**

*Use this list of bioscience courses to fulfill your biosciences fundamentals. Choice of courses depends on a student's particular area of research and is chosen with the assistance of the student's advisor. The Graduate Committee will review all choices for final approval.*

### Required Bioscience (all students must take at least one of the following):

- APPH 6211: Systems Physiology I
- BIOL 6570: Immunology
- BIOL 7001: Foundations in Molecular & Cell Biology
- BIOL 7010: Advanced Cell Biology
- BMED 6042: Systems Physiology
- BMED 6782: Cellular Engineering
- BMED/ME 6793: Systems Pathophysiology
- CHEM 6501: Biochemistry I
- IBS 514: Cellular & Developmental Neuroscience
- IBS 526: Systems Neuroscience
- IBS 555: Basic Biomedical & Biological Science I

### Recommended (any of above courses or those listed below):

- APPH 6212: Systems Physiology II
- BIOL 7668: Eukaryotic Molecular Genetics
- BMED 8813: Neurophysiology
- CHEM 6573: Molecular Biochemistry
- CHEM 6756: Signaling Molecules
- IBS 524: Cancer Biology
- IBS 541: Molecular Biology & Evolutionary Genetics
- IBS 542: Concepts of Immunology
- IBS 548: Biology of the Eye
- IBS 556: Basic Biomedical & Biological Science II
- IBS 600: Blood & Water