

## SCIENCE & MATH REQUIREMENTS

Effective for all GWSB students admitted Fall 2014 and after

### Science Requirement

(Two science courses from the following options are required.\*)

**ANTH 1001** *Biological Anthropology*  
**ANTH 3412** *Hominin Evolution*  
**ASTR 1001** *Stars, Planets, and Life in the Universe*  
**ASTR 1002** *Origins of the Cosmos*  
**BISC 1005** *Biology of Nutrition and Health\**  
**BISC 1006** *Ecology and Evolution of Organisms\*\**  
**BISC 1007** *Food, Nutrition, and Service\**  
**BISC 1008** *Understanding Organisms through Service Learning\*\**  
**BISC 1115** *Introductory Biology: Cells and Molecules (formerly BISC 1111)*  
+ **BISC 1125** *Lab must be taken concurrently*  
or **BISC 1120** *Lab for Honors students*  
**BISC 1116** *Introductory Biology: The Biology of Organisms (formerly BISC 1112)*  
+ **BISC 1126** *Lab must be taken concurrently*  
**CHEM 1003** *Contemporary Science for Non-Science Majors I*  
**CHEM 1004** *Contemporary Science for Non-Science Majors II*  
**CHEM 1111** *General Chemistry I*  
**CHEM 1112** *General Chemistry II*  
**CHEM 2151** *Organic Chemistry I*  
+ **CHEM 2153** *Lab must be taken concurrently*  
**CHEM 2152** *Organic Chemistry II*  
+ **CHEM 2154** *Lab must be taken concurrently*  
**GEOG 1002** *Introduction to Physical Geography*  
**GEOL 1001** *Physical Geology\*\*\**  
**GEOL 1002** *Historical Geology*  
**GEOL 1005** *Environmental Geology\*\*\**  
**GEOL 1006** *Science and the Environment*  
**HONR 1033** *Honors Seminar: Sci. Reasoning & Discovery*  
**HONR 1034** *Honors Seminar: Sci. Reasoning & Discovery*  
**PHYS 1003** *Physics for Future Presidents*  
**PHYS 1007** *Music and Physics*  
**PHYS 1011** *General Physics I*  
**PHYS 1012** *General Physics II*  
**PHYS 1021** *University Physics I*  
**PHYS 1022** *University Physics II*  
**PHYS 1025** *University Physics I Bio w/ Bio App*  
**PHYS 1026** *University Physics II Bio w/ Bio App*

### Math Requirement

(Two math courses from the following options.\*)

#### OPTION A:

**MATH 1051** *Finite Mathematics for the Social and Management Sciences (Fall only)*

AND

**MATH 1252** *Calculus for the Social and Management Sciences (Spring only)*

OR

**MATH 1231** *Single Variable Calculus I*

#### OPTION B: (Required for BS in Finance Degree)

**MATH 1231** *Single Variable Calculus I*

AND

**MATH 1232** *Single Variable Calculus II*

#### OPTION C:

**MATH 1220** *Calculus with PreCalculus I (Fall only)*

AND

**MATH 1221** *Calculus with PreCalculus II (Spring only)*

AND

**MATH 1051** *Finite Mathematics for the Social and Management Sciences (Fall only)*

OR

**MATH 1232** *Single Variable Calculus II*

#### Notes on Math Requirement:

**MATH 1051** is not a pre-req for **MATH 1231** or **MATH 1252**; **MATH 1231** is a pre-req for **MATH 1232**; **MATH 1220** is a pre-req for **MATH 1221**.

#### Notes on Science Requirement:

\***BISC 1005** and **1007** are equivalent courses;

\*\***BISC 1006** and **BISC 1008** are equivalent courses;

\*\*\***GEOL 1001** and **GEOL 1005** are equivalent courses;

Duplicate credit cannot be earned for equivalent courses. Students should pay attention to pre-reqs and semester offerings.