

# **KASA-Appropriate Science and Math Courses 2006-2008 College of Arts and Sciences Bulletin**

## **Biological Sciences**

### ***Anthropology (ANTH)*** (Bioanthropology)

B200 **Bioanthropology**

B301 **Laboratory in Bioanthropology**

B370 **Human Variation**

### ***Biology (BIOL)***

E111 **Basic Biology by Examination I**

E112 **Basic Biology by Examination II**

H111 **Integrated Freshman Learning Experience I**

S211 **Molecular Biology, Honors**

H112 **Integrated Freshman Learning Experience II**

L100 **Humans and the Biological World**

L104 **Introductory Biology Lectures**

L111 **Introduction to Biology: Evolution and Diversity**

L112 **Introduction to Biology: Biological Mechanisms**

L113 **Biology Laboratory**

L211 **Molecular Biology**

M250 **Microbiology**

L302 **Topics in Human Biology**

L330 **Biology of the Cell**

L340 **Biological Basis of Sex Differences**

M200 **Microorganisms in Nature and Disease**

### ***Cognitive Science***

Q301 **Brain and Cognition**

### ***College of Arts and Sciences (COLL)\****

E105, S105 (Topics-Qualified courses--may be biological and/or physical science depending on topic. Student might need to provide a syllabus )

### ***Human Biology (HUBI)***

(Note: Student might need to provide a syllabus since topic may be variable.)

B101 **The Human Organism**

B102 **Seminar in Human Organisms (**

B201 **Human Dilemmas**

B202 **Seminar in Human Dilemmas (1 cr.) C:B201**

### ***Medical Science (MSCI)***

(Note: Student might need to provide a syllabus.)

M131 **Disease and the Human Body**

A215 **Basic Human Anatomy**

P215 **Basic Human Physiology**

M216 **Medical Science of Psychoactive Drugs**

### ***Psychology (PSY)\****

P201 **An Introduction to Neuroscience**

P204 **Psychological and Biological Bases of Human Sexuality**

P329 **Sensation and Perception**

P330 **Perception/Action**

P326 **Behavioral Neuroscience**

P346 Neuroscience  
P349 Cognitive Neuroscience

### ***Geography***

G307 Biogeography: The Distribution of Life

### ***Geological Sciences***

G114 Dinosaurs and Their Relatives  
G341 Natural History of Coral Reefs (BIOL L341)

## **Physical Sciences**

### ***Astronomy (AST)***

A100 The Solar System  
A102 Gravity, the Great Attractor: Evolution of Planets, Stars, and Galaxies  
A105 Stars and Galaxies  
A110 Introduction to Astronomy  
A115 Birth and Death of the Universe  
A221 General Astronomy I  
A222 General Astronomy II

### ***Chemistry (CHEM)***

C100 The World as Chemistry  
C101 Elementary Chemistry I  
C102 Elementary Chemistry II  
C103 Introduction to Chemical Principles  
C117 Principles of Chemistry and Biochemistry I  
C118 Principles of Chemistry and Biochemistry II  
S117 Principles of Chemistry and Biochemistry I, Honors  
S118 Principles of Chemistry and Biochemistry II, Honors

### ***College of Arts and Sciences (COLL)\****

E105, S105 (May be biological and/or physical science depending on topic)

### ***Geography (GEOG)***

G107 Physical Systems of the Environment  
G109 Weather and Climate  
G185 Global Environmental Change

### ***Geological Sciences (GEOL)***

G103 Earth Science: Materials and Processes  
G104 Evolution of the Earth  
G105 Earth: Our Habitable Planet  
G111 Physical Geology  
G112 Historical Geology  
G116 Our Planet and Its Future  
G121 Meteorites and Geological Processes in Planets  
S121 Meteorites and Geological Process in Planets, Honors  
S124 Honors Geology  
G125 Processes in the Geological Sciences  
G131 Oceans and Our Global Environment  
G141 Earthquakes and Volcanoes  
G150 Exploring Extraterrestrial Life in Martian Rocks

G161 Earth Resources  
G171 Environmental Geology  
G188 Volcanoes of the Eastern Sierra Nevada: Geology and Natural Heritage of the Long Valley Caldera  
G190 The Evolving Earth  
G221 Introductory Mineralogy  
G222 Introduction to Petrology  
G225 Earth Materials

***Physics (PHYS)***

P101 Physics in the Modern World  
P105 Basic Physics of Sound  
P110 Energy  
P111 Physics of Extraterrestrial Life and Death  
P114 Understanding the Invisible Universe  
P120 Energy and Technology  
P125 Energy in the Twenty-first Century  
P150 How Things Work  
P151 Twenty-first-century Physics  
P201 General Physics I  
P302 Elementary Electronics

**Biological and/or Physical Sciences, depending on topic**

***Collins Living Learning Center (LLC)***

(Note: Student might need to provide a syllabus since topic may be variable.)

L130 Collins Seminar  
L230 Collins Colloquium  
L330 Collins Symposium

***Honors College (HON)***

(Note: Student might need to provide a syllabus since topic may be variable.)

S105 Freshman Seminar in Natural and Mathematical  
H205 Interdepartmental Colloquia (3 cr.)  
H305 Interdepartmental Colloquia (3 cr.)

***Global Village (GLLC)***

(Note: Student might need to provide a syllabus since topic may be variable.)

G130 Global Village Seminar  
G230 Global Village Colloquium.  
G330 Global Village Symposium  
S105 Global Village Living-Learning Center Freshman Seminar

**Mathematical Sciences**

***College of Arts and Sciences (COLL)***

J113 (Introduction to Calculus with Applications)

***Economics (ECON)***

E370 Statistical Analysis for Business and Economics  
S370 Statistical Analysis for Business and Economics: Honors

***Liberal Arts Management Program (LAMP)***

L316 LAMP Jr Seminar: Analytical Problem Solving

***Mathematics (MATH)***

M110 Excursions into Mathematics

A118 Finite Mathematics for the Social and Biological Sciences

D116 & D117 Introduction to Finite Mathematics I and 2 (BOTH must be taken;  
equivalent to MATH-M 118)

M118 Finite Mathematics

S118 Honors Finite Mathematics

M119 Brief Survey of Calculus I

M120 Brief Survey of Calculus II

X201 Transition to Calculus

M211 Calculus I

K300 Statistical Techniques

K310 Statistical Techniques (PSY K310)

***Political Science (POLS)***

Y395 Statistics—Quantitative Political Analysis

***Psychology (PSY)***

K300 Statistical Techniques

***Sociology (SOC)***

S371 Statistics for Sociology

***Cognitive Science (COGS)***

Q250 Mathematics and Logic for the Cognitive and Information Sciences (Q250 for MATH requirement)