

**2010-2012 UNDERGRADUATE CATALOG
 ALTERNATIVE NATURAL SCIENCE COURSES
 SUMMER/FALL 2011**

- Only 6 hours from Sections 1. & 2. may be used to satisfy Natural Science requirements.
- The courses on this list are **not** offered every semester.
- The courses on this list may have restrictions or additional prerequisites.
- Only 3 hours from Section 2 may be used to satisfy Natural Science requirements:

Section 1: Alternative Science Courses

ANT 310L**, PRIMATE COGNITION	GRG 367K, VEGETATION ECOLOGY
ANT 324L**, 33-GIS/REM SNS FOR ARCHAEOLOG/PALAEOL	KIN 324K, APPLIED HUMAN ANATOMY
ANT 432L, PRIMATE ANATOMY	LIN 313, LANGUAGE AND COMPUTERS
ANT 346L, PRIMATE SOCIAL BEHAVIOR	LIN 344K, PHONET: PROD/PERCPT SPE SOUNDS
ANT 346M, COMPARATIVE PRIMATE ECOLOGY	LIN 350**, INTRO TO COMPUTATION LING
ANT 347C, METHODS IN PRIMATE BIOLOGY	LIN 350**, 1-LANGUAGE AND THE BRAIN
ANT 348, HUMAN ORIGINS & EVOLUTION	LIN 350**, NATURAL LANGUAGE PROCESSING
ANT 348K***, CURRENT TOPICS IN PALEOANTHRO	LIN 358S, FUNDAMENTALS OF SPEECH SCIENCE
ANT 349C, HUMAN VARIATION	PHL 312*, INTRODUCTION TO LOGIC
ANT 349D, ANTHROPOLOGICAL GENETICS	PHL 313*, INTRODUCTORY SYMBOLIC LOGIC
ANT 350C, PRIMATE SENSORY ECOLOGY	PHL 313K*, LOGIC, SETS, AND FUNCTIONS
ANT 351E, PRIMATE EVOLUTION	PHL 313Q*, LOGIC AND SCIENTIFIC REASONING
ANT 366, ANAT AND BIO OF HUMAN SKELETON	PHL 344K, INTERMEDIATE SYMBOLIC LOGIC
BME 301, WORLD HEALTH AND BIOTECHNOLOGY	PHL 358, PHILOSOPHICAL LOGIC
CHE 311, ENGR SUSTAINABLE TECHNOLOGIES	PSY 308, BIOPSYCHOLOGY
CSD 311K, PHONETIC DESCRIPTION OF SPEECH	PSY 418, STATISTICS & RESEARCH DESIGN
CSD 313L, HEARING SCIENCE	PSY 323, PERCEPTION
CSD 358, ANAT/PHYS SPEECH/HEARING MECH	PSY 323P, PERCEP SYS: NEURONS/BEHAV/EVOL
GRG 333C, SEVERE AND UNUSUAL WEATHER	PSY 323S, SEX DIFS IN COGNITN/PERCEPTN
GRG 333K, CLIMATE CHANGE	PSY 325K, ADVANCED STATISTICS
GRG 334C, ENVIRONMENTAL HAZARDS	PSY 332, BEHAVIORAL NEUROSCIENCE
GRG 334K, SOILS	PSY 332C, HORMONES AND BEHAVIOR
GRG 335C, QUATERNARY LANDSCAPES	PSY 353K, PSYCHOPHARMACOLOGY
GRG 335K, MOUNTAIN GEOECOLOGY	PSY 458, EXPERIMENTAL PSYCHOLOGY
GRG 335N, LANDSCAPE ECOLOGY	PSY 371, LEARNING AND MEMORY
GRG 338C, RIV/LANDSCP: FLUVIAL GEOMORPH	R S 373**, BIOMEDICINE, ETHICS & CULTURE
GRG 339, PROCESS GEOMORPHOLOGY	SOC 308**, 2-WOM'S REPROD HLTH NONSCI MAJ
GRG 366C, COMPARATIVE ECOSYSTEMS	SOC 317L, INTRO TO SOCIAL STATISTICS
GRG 366K, BIOGEOGRAPHY	T C 310*, MODES OF REASONING

Section 2: History or Philosophy of Science Courses

ANT 324L**, ANTHROPOL OF HEALTH & ILLNESS	PHL 316K, SCIENCE AND PHILOSOPHY
HIS 322D, SCIENTIF REVOLUTN OF 17TH CEN	PHL 322, SCIENCE AND THE MODERN WORLD
HIS 322G, HIST OF MODERN LIFE SCIENCES	PHL 325M, MEDICINE, ETHICS, AND SOCIETY
HIS 322M, HISTORY OF MODERN SCIENCE	PHL 329U, PERSPECTVS OF SCIENCE AND MATH
HIS 329U, PERSPECTIVES ON SCIENCE & MATH	PHL 344M, PHILOSOPHY OF MATHEMATICS
HIS 350L**, BIOL/HUMAN NATURE SNCE DARWIN	PHL 363, SCIENTIFIC METHOD
HIS 350L**, EINSTEIN IN AGE OF CONFLICTS	PHL 363L***, TOPICS IN PHILOSOPHY OF SCIENCE
HIS 350L**, SCIENCE, TECHNOLOGY, AND WAR	

* Only one of the following may be counted; PHL 312 may not be taken if credit for PHL 313, 313K, 313Q, or 344K has previously been earned.

** Only this specified topic title may be used to satisfy the requirement.

*** All topic titles may be used to satisfy the requirement.

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MATH & NATURAL SCIENCE REQUIREMENTS FOR THE BACHELOR OF ARTS, PLAN I

18 HOURS OF MATH & SCIENCE AS FOLLOWS:

UNIVERSITY CORE REQUIREMENTS		COLLEGE OF LIBERAL ARTS REQUIREMENTS	
Mathematics (020)	3 hours A <input type="checkbox"/> _____	Math: 3 hours excluding M 301, 316K, and 316L <i>May be fulfilled by Core Requirement in Mathematics</i>	<input type="checkbox"/> _____
Science & Technology, Part I (030)	6 hours in a single field of study A <input type="checkbox"/> _____ <input type="checkbox"/> _____	Natural Science: 6 additional hours Selected from Astronomy, Biology, Chemistry, Geology, Marine Science, Nutrition, Physical Science, Physics, Mathematics, Computer Science, Statistics and Scientific Computations ^B , or from list of approved alternatives available in the Liberal Arts Student Division. ^C	<input type="checkbox"/> _____
Science & Technology, Part II (031)	3 hours in a field of study different from that used in Part I A <input type="checkbox"/> _____		<input type="checkbox"/> _____

NOTES FOR CORE & LIBERAL ARTS REQUIREMENTS:	<p>A Must be from approved 2010-2012 core list.</p> <p>B Notes for Core Math, Science & Technology and Liberal Arts Math & Science requirements: 1) Maximum 9 hours in one subject can be used for the Core Math, Science & Technology and Liberal Arts natural sciences/math requirements combined. 2) Maximum 12 hours in M, C S, & SSC combined can be used for the Core Math, Science & Technology and Liberal Arts natural sciences/math requirements combined. 3) Maximum 3 hours in either the history of science or the philosophy of science may be used.</p> <p>C Lists of approved alternatives available on the reverse side.</p>
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NOTE FOR ECONOMICS MAJORS:

- Economics majors must complete either M 408C and M 408D, OR M 408K and M 408L, with a grade of at least C- in each;

NOTE FOR URBAN STUDIES MAJORS:

- Urban Studies majors must complete M 408C OR M 408K, and M 316 OR SSC 305, with a grade of at least C- in each.

NOTE FOR ENVIRONMENTAL SCIENCE & PSYCHOLOGY MAJORS:

- This worksheet is not for students seeking a Bachelor of Science in Psychology or a Bachelor of Science in Environmental Science with a Major in Geographical Sciences.