

**2010-2012 UNDERGRADUATE CATALOG
 ALTERNATIVE NATURAL SCIENCE COURSES
 SPRING 2012**

- 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
 ANT 324L**, 33-GIS/REM SNS FOR ARCHAEOLOG/PALEO
 ANT 432L, PRIMATE ANATOMY
 ANT 346L, PRIMATE SOCIAL BEHAVIOR
 ANT 346M, COMPARATIVE PRIMATE ECOLOGY
 ANT 347C, METHODS IN PRIMATE BIOLOGY
 ANT 348, HUMAN ORIGINS & EVOLUTION
 ANT 348K***, CURRENT TOPICS IN PALEOANTHRO
 ANT 349C, HUMAN VARIATION
 ANT 349D, ANTHROPOLOGICAL GENETICS
 ANT 350C, PRIMATE SENSORY ECOLOGY
 ANT 351E, PRIMATE EVOLUTION
 ANT 366, ANAT AND BIO OF HUMAN SKELETON
 BME 301, WORLD HEALTH AND BIOTECHNOLOGY
 CHE 311, ENGR SUSTAINABLE TECHNOLOGIES
 CSD 311K, PHONETIC DESCRIPTION OF SPEECH
 CSD 313L, HEARING SCIENCE
 CSD 358, ANAT/PHYS SPEECH/HEARING MECH
 GRG 333C, SEVERE AND UNUSUAL WEATHER
 GRG 333K, CLIMATE CHANGE
 GRG 334C, ENVIRONMENTAL HAZARDS
 GRG 334K, SOILS
 GRG 335C, QUATERNARY LANDSCAPES
 GRG 335K, MOUNTAIN GEOECOLOGY
 GRG 335N, LANDSCAPE ECOLOGY
 GRG 338C, RIV/LANDSCP: FLUVIAL GEOMORPH
 GRG 339, PROCESS GEOMORPHOLOGY
 GRG 366C, COMPARATIVE ECOSYSTEMS
 GRG 366K, BIOGEOGRAPHY
 GRG 367K, VEGETATION ECOLOGY

HIS 365G**, SCIENCE, ETHICS, & SOCIETY
 HIS 366N**, BIOLOGY, BEHAVIOR, & INJUSTICE
 KIN 324K, APPLIED HUMAN ANATOMY
 LIN 313, LANGUAGE AND COMPUTERS
 LIN 344K, PHONET: PROD/PERCPT SPE SOUNDS
 LIN 350**, INTRO TO COMPUTATION LING
 LIN 350**, 1-LANGUAGE AND THE BRAIN
 LIN 350**, NATURAL LANGUAGE PROCESSING
 LIN 358S, FUNDAMENTALS OF SPEECH SCIENCE
 PHL 312*, INTRODUCTION TO LOGIC
 PHL 313*, INTRODUCTORY SYMBOLIC LOGIC
 PHL 313K*, LOGIC, SETS, AND FUNCTIONS
 PHL 313Q*, LOGIC AND SCIENTIFIC REASONING
 PHL 344K, INTERMEDIATE SYMBOLIC LOGIC
 PHL 358, PHILOSOPHICAL LOGIC
 PSY 308, BIOPSYCHOLOGY
 PSY 418, STATISTICS & RESEARCH DESIGN
 PSY 323, PERCEPTION
 PSY 323P, PERCEP SYS: NEURONS/BEHAV/EVOL
 PSY 323S, SEX DIFS IN COGNITN/PERCEPTN
 PSY 325K, ADVANCED STATISTICS
 PSY 332, BEHAVIORAL NEUROSCIENCE
 PSY 332C, HORMONES AND BEHAVIOR
 PSY 353K, PSYCHOPHARMACOLOGY
 PSY 458, EXPERIMENTAL PSYCHOLOGY
 PSY 371, LEARNING AND MEMORY
 R S 373**, BIOMEDICINE, ETHICS & CULTURE
 SOC 308**, 2-WOM'S REPROD HLTH NONSCI MAJ
 SOC 317L, INTRO TO SOCIAL STATISTICS
 T C 310*, MODES OF REASONING

Section 2: History or Philosophy of Science Courses

ANT 324L**, ANTHROPOL OF HEALTH & ILLNESS
 HIS 322D, SCIENTIF REVOLUTN OF 17TH CEN
 HIS 322G, HIST OF MODERN LIFE SCIENCES
 HIS 322M, HISTORY OF MODERN SCIENCE
 HIS 329U, PERSPECTIVES ON SCIENCE & MATH
 HIS 350L**, BIOL/HUMAN NATURE SNCE DARWIN
 HIS 350L**, EINSTEIN IN AGE OF CONFLICTS
 HIS 350L**, SCIENCE, TECHNOLOGY, AND WAR

PHL 316K, SCIENCE AND PHILOSOPHY
 PHL 322, SCIENCE AND THE MODERN WORLD
 PHL 325M, MEDICINE, ETHICS, AND SOCIETY
 PHL 329U, PERSPECTVS OF SCIENCE AND MATH
 PHL 344M, PHILOSOPHY OF MATHEMATICS
 PHL 363, SCIENTIFIC METHOD
 PHL 363L***, TOPICS IN PHILOSOPHY OF SCIENCE

* 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.

2010-2012 UNDERGRADUATE CATALOG

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.