AGENDA

Item I. Approval of minutes from the Fall Faculty Meeting, December 6, 2012.

Item II. Opening comments.

Item III. Opportunity for faculty to ask questions arising from annual reports of the various college committees. (See appendix)

- Executive Committee
- Promotion and Tenure Committee
- Committee on Student Academic Distinction, Awards, and Appeals
- Curriculum and Advising Committee
- Faculty Instructional Development Committee
- Assessment Committee
- Endowed/College Professorships Committee

Item IV. Recommendation from the College Curriculum and Advising Committee to approve the proposed changes to the Scientific Base. (See appendix)

Item V. Recommendation from the College Curriculum and Advising Committee to approve the proposed changes to the Biological Sciences major. (See appendix)

Item VI. Recommendation from the College Curriculum and Advising Committee approve the proposed changes to the Classics & Religious Studies major and minor. (See appendix)

Item VII. Recommendation from the College Curriculum and Advising Committee to approve the proposed new Digital Humanities Minor. (See appendix)

Item VIII. Recommendation from the College Curriculum and Advising Committee to approve the proposed changes to the Environmental Studies major. (See appendix)

Item IX. Opportunity to ask questions of the Dean.
APPENDIX

Item I. Approval of minutes from the Fall Faculty Meeting, December 6, 2012

MINUTES OF THE COLLEGE OF ARTS AND SCIENCES
FACULTY MEETING (v.2)
Thursday, 6 December 2012, 3:30 p.m. in the Nebraska Union

Item I. Approval of Minutes of the Spring Faculty Meeting on April 26, 2012.

Deborah Minter (English, Associate Dean for Academic Programs) moved to approve the minutes. John Osterman (Biological Sciences) seconded the motion. The minutes were approved.

Item II. Opening Comments and Administrative Matters

Dean Manderscheid thanked everyone for coming. He then announced the continued appointment of Lloyd Ambrosius (History) as Parliamentarian.

Item III. College Curriculum Updates.

Deborah Minter (English, Associate Dean for Academic Programs) explained that some curricular changes were still in process, but that she wished to inform interested parties where things stand: (a) Regarding the proposed new major in Religious Studies, Stephen Burnett (Chair, Classics and Religious Studies) said that the Department had become uncertain whether or not the new major would have a sufficient number of majors and was studying the matter further. (b) The proposed new major in Geosciences in the Department of Earth and Atmospheric Sciences has been approved; however, some necessary additional paperwork from the Department is necessary before the new major can be implemented. (c) Owing to changes in various major programs made to ensure that College students can graduate with the reduced total number of 120 credit hours, changes in various 100-level courses in Biological Sciences, Chemistry, Life Sciences, and Mathematics are being made.

Items IV-X. College Curriculum and Advising Committee Recommendations.

These were presented by the Chair of the Committee, Diana Pilson (Biological Sciences). Full details of each proposal are given in the Agenda for the Faculty Meeting. All passed without very much discussion. In brief,

- **Item IV** called for approving changes to the College Distribution Requirements, namely, eliminating Biblical Hebrew as an approved foreign language. The Department of Classics and Religious Studies has reduced the credit hours for Hebrew 101/102 to 3 credits from 5 credits so that this language is no longer consistent with the credit hours for other beginning foreign language courses in the College.

- **Item V** concerned various changes to the major in Biochemistry, including requiring Chemistry 221 instead of Chemistry 116.

- **Item VI** concerned various changes to the major in Chemistry, including requiring Chemistry 221 instead of Chemistry 116.

- **Item VII** concerned the proposal to eliminate the European Studies Program owing to very low numbers of majors (specifically, four majors in the past five years in the BA program and none in the BS program). It was noted that students can instead enroll in the newly revised Global Studies Major with a Regional Specialization (Europe).

- **Item VIII** concerned proposed changes to the major in Global Studies, namely the addition of a 1 credit hour course, GLST 201: Contemporary Issues in Global Studies, designed to introduce students to the interdisciplinary nature of global studies and to assist them in completing their major on time. Sunil Narunamali (Associate Vice Chancellor for Academic Affairs) noted that this new course will ensure that
students interact with speakers who come to UNL. Deborah Minter (English, Associate Dean for Academic Programs) mentioned also that certain French courses (FREN 321/322) would be moved to the Europe Focus set of courses from the Culture and Society set of courses, although this was not in the present set of proposed changes.

- **Item IX** concerned changes to the major in Microbiology made necessary by changes to courses in Biological Sciences, Chemistry, Life Sciences, and Mathematics.

- **Item X** concerned the elimination of the University Studies Program. It was noted that that program has not graduated any students in the past five years. Now that the College has created an “Individualized Program of Studies” major, students who wish a tailor-made program can achieve that. Hence there is no longer any need for the University Studies Program.

**Item XI. Opportunity to Ask Questions of the Dean**

Judy Walker (Chair, Mathematics) asked if there was any movement to revise the UNL Youth Activities Policy. Evelyn Jacobson (Chair, Modern Languages and Literatures) seconded that question. Walker said that if Mathematics does not follow that policy, then she was told that the department “is on its own” should anything happen to a youth participant in some department program. Glenn Ledder (Mathematics) noted that even undergraduate math students who simply manage stop watches during Math Day events are required to undergo the training required by UNL for all personnel involved with youth events taking place at UNL. Judy Walker said she hopes Dean Manderscheid will “push back” on UNL’s policy, which is not deemed to be well-written. It was agreed that UNL needs a policy, but that the present one was not good. Dean Manderscheid replied that the policy started as a policy for Youth Camps in response to the Penn State events and interested parties had a chance to review and comment on that policy. But then the policy was broadened significantly without much opportunity for comment. Walker noted that it was expanded on 12 September 2012 with effect from 1 September 2012.

*Following this discussion, the faculty meeting was then adjourned.*

Respectfully submitted,

**Anthony F. Starace** (Physics and Astronomy)

Faculty Secretary

11 March 2013
Item III. Opportunity for faculty to ask questions arising from annual reports of the various college committees.

ANNUAL REPORT OF THE EXECUTIVE COMMITTEE
The Committee meets weekly to offer advice and comment to the Dean’s office and discuss issues identified by the Dean, including offering feedback on unit strategic plans and academic program reviews. Executive committee meeting minutes are distributed through the Weekly Chairs and Director’s Mailings and can be found at http://cas.unl.edu/executivecommittee.shtml.

2012-2013 Committee members: Joy Castro, Christopher Fielding, Simon Wood, Elizabeth Theiss-Morse, Etsuko Moriyama, Xiao Cheng Zeng, Dawn Braithwaite, Amy Burnett, David Manderscheid, Debbie Minter, Dan Hoyt, Greg Snow.

ANNUAL REPORT OF THE PROMOTION AND TENURE COMMITTEE
The annual review of tenure and promotion recommendations began in late November. The committee reviewed 12 recommendations regarding promotion to Associate Professor with tenure, 10 recommendations regarding promotion to Full Professor, and 1 recommendation for promotion to Full Research Professor. The committee also interviewed 3 job candidates at the associate and full ranks for consideration of tenure.

2012-13 Committee Members: Professors Byrav Ramamurthy (Computer Science), David Loope (Earth and Atmospheric Sciences), Kathleen Krone (Communication Studies), Helen Moore (Sociology), Marco Abel (English) and Associate Dean Dan Hoyt.

ANNUAL REPORT OF THE COMMITTEE ON STUDENT ACADEMIC DISTINCTION, AWARDS, AND APPEALS
This report covers the period of three graduations: August 2012, December 2012, and May 2013. The College of Arts & Sciences awarded 26 degrees with Highest Distinction, 77 degrees with High Distinction, and 56 degrees with Distinction.

For the past several years the college combined its process with the UNL Office of Scholarships and Financial Aid. There were 332 students that completed the A&S portion of the application. The committee considered over 130 students for the 35 scholarship funds controlled by the college and will make one nomination for the Kate Field Grant-in-aid and two nominations for the Donald Walters Miller Scholarship.

NOTE: The Dean, along with the Associate Deans in the college, annually review applications for the Dean’s Scholar Society and Dean’s Experiential Learning Scholarships. This year there were 16 applicants for the Dean’s Scholar Society. Nine applicants were selected to be added to the Dean’s Scholars Society. This new group will be presented at the college’s Celebration of Excellence on April 12, 2013. There were nine applicants for the Dean’s Experiential Learning Scholarships. All nine applicants were selected to receive the scholarship award.

There were not any grade appeals for this academic year.

2012-2013 Committee Members: Professors Priscilla Hayden-Roy (Modern Languages & Literatures), Ken Bloom (Physics & Astronomy), Jordan Soliz (Communication Studies), Sabrina Russo (School of Biological Sciences), Eve Brank (Psychology); Tyler Moore (School of Biological Sciences Graduate Student); Katie Czapanskiy and A.J. Blazek (Student Advisory Board Member), and Associate Dean Debbie Minter. Martha McCollough (Anthropology) served during the spring semester while Jordan Soliz was on leave. NOTE: The student members only participate in grade appeal decisions.

ANNUAL REPORT OF THE CURRICULUM AND ADVISING COMMITTEE
The committee reviewed 13 ACE proposals; 7 new course with ACE proposals; 3 removal of ACE from course proposals; 1 change course add ACE proposal; 34 new course proposals; 113 change in course proposals; 18 course deletion proposals; 18 proposals for various majors and minors; three proposals for changes in college requirements.

The Committee forwarded to the faculty the following recommendations:

- to approve changes in the major in Biochemistry.
to approve changes in the major and minor in Biological Sciences.

- to approve changes in the major in Chemistry.

- to approve changes in the major in Classics & Religious Studies.

- to approve the new minor in Digital Humanities.

- to approve changes in the major in Environmental Studies.

- to approve the elimination of the major in European Studies.

- to approve changes in the major in Global Studies.

- to approve changes in the major in Microbiology.

- to approve the elimination of the major in University Studies.

- to approve changes in the college distribution requirements.

- to approve changes in the scientific base.

The Committee approved non-substantive changes for the college portion of the bulletin list on course restrictions; Anthropology major; Classics & Religious Studies major; Computational Biology & Bioinformatics minor; Computer Science major and minor; English major; Humanities in Medicine minor; Jewish Studies minor; Psychology major; and Women’s & Gender Studies major and minor. These changes went directly to the bulletin editor.

Finally, the committee made nominations for vacancies on the College Promotion and Tenure Committee and the College Curriculum Committee for the 2013-2014 AY.

The chair for the 2013-2014 academic year will be decided at the next committee meeting.

**2012-2013 Committee Members:** Professors Diana Pilson, Chair (Biological Sciences), Oscar Pereira (Modern Languages & Literatures), Dona-Gene Mitchell (Political Science), Lisa Kort-Butler (Sociology), Stephen Hartke (Mathematics); Devin Knudson and Daniel Jordan (Student Advisory Board); Nicole Smith (A&S Advising Center); Glenn Ledder (University Curriculum Committee-A&S Representative); Assistant Dean Bill Watts; and Associate Dean Debbie Minter (Executive Secretary).

**ANNUAL REPORT OF THE FACULTY INSTRUCTIONAL DEVELOPMENT COMMITTEE**

The committee considered nominations for Distinguished Teaching Awards and for the McClymont Award. One nomination for the Annis Chaikin Sorenson Award for distinguished teaching in the humanities was forwarded to the UNL Teaching Council’s Subcommittee on Distinguished Teaching Awards and five nominations were made for the College Distinguished Teaching Award. The awardees will be honored at various events including the Ceremony of Excellence on April 12, 2013.

The College Distinguished Teaching Award winners are: **Sarah J. Gervais**, Assistant Professor, Psychology; **Roland Vegso**, Assistant Professor, English; **Lisa Kort-Butler**, Assistant Professor, Sociology; **Isabel Maria Velazquez**, Assistant Professor, Modern Languages and Literatures; and **Stephen Ramsay**, Associate Professor, English.

The Hazel R. McClymont Distinguished Teaching Fellow Award winners are: **Brian Harbourne**, Professor, Mathematics and **Dona-Gene Mitchell**, Assistant Professor, Political Science.

**2012-13 Committee Members:** David Harwood, Earth & Atmospheric Sciences; Ariel Kohen, Political Science; Sharisse Stenberg, English; Jeffrey Story, SAB member; James Carraher, graduate student representative; and Associate Dean Dan Hoyt.

**ANNUAL REPORT OF THE ASSESSMENT COMMITTEE**

To be added soon.
ANNUAL REPORT OF THE ENDOWED/COLLEGE PROFESSORSHIP COMMITTEE

The Committee reviewed and recommended 3 renewal applications for College professorships and 4 renewals for University Professorships to the Dean.

2012-2013 Committee Members: Professors Jack Morris (Biological Sciences), Dawn Braithwaite (Communication Studies), David Henderson (Philosophy), Tracy Frank (Earth & Atmospheric Sciences), Carolyn Pope Edwards (Psychology); Associate Dean Dan Hoyt.

Item IV. Recommendation from the College Curriculum and Advising Committee to approve the proposed changes to the Scientific Base.

Proposed: Scientific Base

In addition to University ACE requirements and the College distribution requirements, the bachelor of science degree requires students to complete 60 semester hours in mathematics and natural sciences, including:

1. At least one of the following quantitative courses: CSCE 235, MATH 104, PHIL 211, or any mathematics or statistics course numbered 106 or above, except MATH 200 and MATH 201.

2. At least one natural or physical science course and at least 1 credit of laboratory work, taken as part of a course or separately, from the following departments: biochemistry, biological sciences, chemistry, geosciences, or physics and astronomy, ANTH 242/ANTH 242L, ENVR 201, GEOG 155, and the following geography techniques courses also apply: GEOG 317, GEOG 412, GEOG 414, GEOG 415, GEOG 417, GEOG 418, GEOG 419, GEOG 420, GEOG 422, GEOG 425, and GEOG 432. Other courses that may be applied toward the 60 hour total include courses in actuarial science for which calculus or above is a prerequisite and up to 12 hours of scientific and technical courses offered by other colleges with approval of the academic adviser.

Justification: The Environmental Studies Program respectfully requests that ENVR 201 – Science, Systems, Environment, and Sustainability be added to the list of courses that can be used to meet the requirements of the scientific base for the College of Arts and Sciences. The basic theme of this course is that individuals need to understand the relationship among science, society, and sustainability to be civically engaged and equipped to successfully address current and future environmental challenges. ENVR 201 focuses on the dependence of all people on the environment for resources and the potential consequences that human activities have on global processes, the environment, and the availability of resources. The class employs a systems approach to understanding environmental systems that recognizes that everything is connected to everything else. Using this approach allows humans to deal more responsibly and rationally with local, regional and global issues. In addition, this approach recognizes that humans are dependent on, impact, and influence environmental systems. This course examines a range of environmental issues over different scales of space and time and interactions among the atmosphere, hydrosphere and, geosphere and biosphere.

Four of the learning objectives are consistent with improving the understanding of the process and nature of science.

- Apply a systems approach to characterizing the dynamic interdependency among Earth’s environmental and social systems.
- Understand the basic factors that influence the distribution of ecosystems and their interaction.
- Assess and evaluate the scientific context of sustainability and ecological footprints.
- Apply inquiry skills that include the use of questions and evidence to support a position and an understanding of uncertainty.
- Use written and oral communication skills to present their perspective about environmental information

ENVR 201 has attributes that are consistent with other courses that are part of the scientific base including GEOG 151 and BIOS 232. Their catalog descriptions along with that of ENVR 201 are included in Appendix A.

Thank you for considering this request. If you need any additional information or have any additional questions, please contact me at 472-8919 or dgosselin2@unl.edu.
Appendix A. Catalog Description of ENVR 201 and Similar Courses

ENVR 201. Science, Systems, Environment and Sustainability: Application of basic Earth system and ecosystem science concepts for understanding: natural systems; the relationships and interactions between the living and the non-living environment; current and future environmental challenges; the importance of considering scientific evidence and uncertainty; and the implementation of the sustainability concepts. 3 cr, ACE 8.

GEOG 155. Elements of Physical Geography: Investigation of the basic elements of the physical environment of the earth and its atmosphere. Includes atmospheric processes, temperature distributions, weather systems, severe weather, climates, water balance, vegetation and soil distributions, landforms and their processes, and natural hazards. Modifying influences that humans have on the physical environment and atmosphere examined. 4 cr, ACE 4.

BIOS 232. Ecological Issues in the Great Plains: Basic concepts in ecology, including comparison of major world ecosystems, especially the Great Plains. Interplay of ecological principles and human activities. 3 cr, ACE 8.

Item V. Recommendation from the College Curriculum and Advising Committee to approve the proposed changes to the Biological Sciences major and minor.

Proposed: MAJOR REQUIREMENTS

Core Requirements

BIOS 102 Cell Structure & Function
BIOS 103 & BIOS 103L Organismic Biology & Lab
LIFE 120 & LIFE 120L Fundamentals of Biology I & Lab
LIFE 121 & LIFE 121L Fundamentals of Biology II & Lab
BIOS 205 Genetics, Molecular & Cellular Biology Lab
BIOS 206 General Genetics
BIOS 207 Ecology & Evolution

Specific Major Requirements

An additional 18 hours of elective courses in biological sciences, at least 10 hours of which must be at the 300 level or above, with at least 3 hours at the 400 level. Students concerned about their preparation for college-level biology should consult their adviser.

Additionally, biological sciences majors are strongly urged to attend the Cedar Point Biological Station for at least one summer session. Majors are also encouraged to do a research project with a faculty member.

No more than 8 hours may be from courses whose home department is other than biological sciences.

The following courses will NOT count toward the biological sciences major: BIOS 101 & BIOS 101L, BIOS 150, BIOS 160, BIOS 203, BIOS 220, BIOS 222, BIOS 232 or BIOS 280, BIOS 395 Internship is offered Pass/No Pass only and therefore may not be used in the major.

No minor is required, but biological sciences majors must complete the following ancillary courses in addition to the 36 hours in the major:

- Biochemistry: BIOC 321 or BIOC 431
- Chemistry: CHEM 109 & CHEM 110 or CHEM 113 & CHEM 114 & CHEM 116
- Organic Chemistry: CHEM 251 & CHEM 253 or CHEM 255 & CHEM 257 or CHEM 261 & CHEM 263
- Mathematics: MATH 106 and one of the following: MATH 107, or CSCE 155T or an approved statistics course (choose from STAT 218, EDPS 459, PSYC 350, ECON 215, STAT 380), or CSCE 156
- Physics: PHYS 141 & PHYS 142 or PHYS 211 & PHYS 212

Additionally, biological sciences majors are strongly urged to attend the Cedar Point Biological Station for at least one summer session. Majors are also encouraged to do a research project with a faculty member.
Program Assessment. To assist the department in evaluating the effectiveness of its program, after significantly completing the course work, all majors will be required in their senior year to register for BIOS 99 and complete selected assessment activities.

Results of participation in these assessment activities will in no way affect a student’s GPA or graduation.

ADDITIONAL MAJOR REQUIREMENTS
Grade Rules

Pass/No Pass Limits

No biological science course, except BIOS 310, used to fulfill the 36 hours for the major (and 18 hours for the minor) may be taken Pass/No Pass.

REQUIREMENTS FOR MINOR OFFERED BY DEPARTMENT

- 18 hours, comprised of the five-course core: BIOS 102, BIOS 103 & BIOS 103L, LIFE 120 & LIFE 120L, LIFE 121 & LIFE 121L, BIOS 205, BIOS 206, and BIOS 207

Justification: Major: Biological Science
Core Requirements
1. LIFE 120 and LIFE 120L replaced BIOS 102. LIFE 121 and LIFE 121L replaces BIOS 103 and BIOS 103L.
   a. The College of Arts and Sciences Curriculum and Advising Committee approved LIFE 120 and LIFE 120L Fundamentals of Biology I and Lab and LIFE 121 and LIFE 121L Fundamentals of Biology II and Lab at their September 4, 2012 meeting.
2. Please add bullets for clarification

Specific Major Requirements
1. Simply moved “Additionally, biological sciences majors are strongly urged to attend the Cedar Point Biological Station...” from below.
2. CHEM 116 is no longer offered by the Chemistry Department.
3. Added another options for organic chemistry (Biological Organic Chemistry and Lab).
4. Should be CSCE 155T rather than CSCE 155 and move for clarification.
5. Please add ancillary titles and bullets for clarification.

Minor: Biological Science
1. LIFE 120 and LIFE 120L replaced BIOS 102. LIFE 121 and LIFE 121L replaces BIOS 103 and BIOS 103L.
   a. The College of Arts and Sciences Curriculum and Advising Committee approved LIFE 120 and LIFE 120L Fundamentals of Biology I and Lab and LIFE 121 and LIFE 121L Fundamentals of Biology II and Lab at their September 4, 2012 meeting.

Item VI. Recommendation from the College Curriculum and Advising Committee to approve the proposed changes to the Classics & Religious Studies major and minor.

Proposed: MAJOR REQUIREMENTS
Core Requirements
Core Courses
3 hours from:
CLAS 180 Classical Mythology (3 cr)
CLAS 121 Classical Antiquity in Popular Culture (3 cr)
CLAS 141 Spectacle and Entertainment in the Roman World (3 cr)
CLAS 180 Classical Mythology (3 cr)
CLAS 283 Epic Tales: The World’s Heros & Gods (3 cr)
CLAS 286 Literature of the Ancient Near East (3 cr)
CLAS 305 Ancient Greek Religions (RELG 305) (3 cr)
CLAS 307 Early Christianity (HIST 307/RELG 307) (3 cr)
CLAS 312 Pagans & Christians in the Roman Empire (RELG 312) (3 cr)
CLAS 331 Ancient Israel (HIST 331/JUDS 331/RELG 331) (3 cr)

3 hours from:
RELG 108 World Religions (3 cr.)
RELG 118 Introduction to Hinduism, Buddhism, Daoism (3 cr.)
RELG 150 Explaining Religion (3 cr.)
RELG 181 Judaism, Christianity, & Islam (3 cr)

Specific Major Requirements
The major requires 30 hours of courses. Students will choose 9-6 hours from the Core Course list above. In addition, each student will choose an An emphasis in either Classics or Religious Studies is required (described below). Twelve Nine hours must be taken at the 300 level or above. The student may count up to 6 hours above the 100 level in Greek, Latin, Hebrew, or Arabic toward the major. No more than 6 hours of independent study may count toward the major. A minor is required and may be any Plan A minor approved by the College.

Program Assessment. In order to assist the department in evaluating the effectiveness of its programs, majors will be required:
1. To assemble and maintain a portfolio to include the syllabus and a copy of all written exams and assignments for each course applied toward the major.
2. In their senior year, to complete a written exit survey.

The undergraduate adviser will inform students of the scheduling and format of assessment activities.

Results of participation in these assessment activities will in no way affect a student’s GPA or graduation.

Program Assessment. In order to assist the department in evaluating the effectiveness of its programs, majors will be required from time to time to complete written exit surveys and to compile portfolios of selected work in major courses. All such work will be assessed in ways that assure student anonymity. The Classics and Religious Studies undergraduate advisers will inform students of the scheduling and format of assessment activities. Results of participation in these assessment activities will in no way affect a student’s GPA or graduation.

Tracks/Options/Concentrations/Emphases Requirements

Requirements for the Emphasis in Classics

Students may divide their courses among the following areas, provided 6 hours are taken in each area. Core courses may also count toward the area requirements.

24 hours of courses with the prefix CLAS, GREK or LATN (language courses above the 199 level), or courses which are crosslisted with CLAS. Related courses offered by other departments may count toward the major. See degree audit or academic adviser in Classics for approved courses.

Area A. Arts and Archaeology
AHIS 211 Classical Art & Archaeology
AHIS 311 Greek Art & Archaeology
AHIS 313 Roman Art & Archaeology
AHIS 411 Classical Architecture
AHIS 413 Roman Painting
CLAS 252 Archaeology of World Civilizations (ANTH 252)
CLAS 320 The Classical World: Archaeology & Texts
CLAS 438/838 Topics in Old World Prehistory (ANTH 438)
Area B. Language, Thought, and Literature
CLAS 180 Classical Mythology
CLAS 183 Heroes, Harlots & Helots
CLAS 281 The World of Classical Greece (ENGL 240A)
CLAS 282 The World of Classical Rome (ENGL 240B)
CLAS 283 Epic Tales: The World’s Heros & Gods
CLAS 286 Literature of the Ancient Near East
CLAS 381 Ancient Novel (ENGL 381)
CLAS 409 Religion of Late Western Antiquity (HIST 409/RELG 409)
CLAS 483 Classical Drama (ENGL 440)
ENGL 340 Classical Roots of English Literature
PHIL 231 History of Philosophy (Ancient)
PHIL 336 Ethics: Ancient & Medieval
PHIL 337 Knowledge: Ancient & Medieval
PHIL 338 Metaphysics: Ancient & Medieval
PHIL 450 Ancient Philosophy

Area C. Historical Studies
CLAS 141 Spectacle & Entertainment in the Roman World
CLAS 233 Science in the Classical World
CLAS 245 War in the Classical World
CLAS 305 Ancient Greek Religions (RELG 305)
CLAS 307 Early Christianity (HIST 307/RELG 307)
CLAS 312 Pagans & Christians in the Roman Empire (RELG 312)
CLAS 315 Medieval World: Byzantium (HIST 315)
CLAS 331 Ancient Israel (HIST 331/JUDS 331/RELG 331)
CLAS 440 Gender & Sexuality in the Ancient World (WMNS 440)
HIST 210 Ancient Rome
HIST 311 Homer & the Trojan War
HIST 317 The Roman Empire
HIST 412 Democracy & Tyranny in Classical Athens
HIST 417 The Roman Revolution, 133 BCE-68 CE

Requirements for the Emphasis in Religious Studies

Students may divide their courses among the following areas, provided 6 hours are taken in each area. Core courses may also count toward the area requirements.

24 hours of courses with the prefix RELG. Of the 24 hours, at least 2-200 level, 2-300 level and 1-400 level Religious Studies (RELG) courses, or cross-listed Religious Studies courses. Related courses offered by other departments may count toward the major. See degree audit or academic adviser in Religious Studies for approved courses. The student may count up to 6 hours above the 199-level in Greek, Latin, Hebrew or Arabic toward the Religious Studies major. Students also have the opportunity, through a cooperative agreement, to take selected courses at Nebraska Wesleyan University in ethics, theology and world religions (see the current Undergraduate Bulletin for eligible courses).

Area D. The Nature of Religion
RELG 125W Religion, Peace & Social Justice
RELG 150 Explaining Religion
RELG 206 Ways of Western Religion
RELG 220 Reason & Religion
RELG 225 Science & Religion
RELG 310 Great Ideas in Religious Thought: From God to Nothingness
RELG 350 Issues in the Theory & Study of Religion
RELG 418 Fundamentalism, Religion, & Politics
PHIL 265 Philosophy of Religion
PHIL 338 Metaphysics: Ancient & Medieval
SOCI 452 Sociology of Religion

Area E. Scriptural Studies
RELG 205 Intro to the Hebrew Bible/Old Testament (JUDS 205)
RELG 212W Life & Letters of Paul
RELG 217 Israel: The Holy Land (HIST 217/JUDS 217)
RELG 307 Early Christianity (CLAS 307/HIST 307)
RELG 308 Dead Sea Scrolls (JUDS 308)
RELG 331 Ancient Israel (CLAS 331/HIST 331/JUDS 331)
RELG 335 Buddhist Scriptures
RELG 340 Women in the Biblical World (JUDS 340/WMNS 340)
RELG 406 Second Temple Judaism (JUDS 406)
ENGL 341 The Bible as Literature

Area F. The Study of Religious Traditions
RELG 108 World Religions
RELG 118 Intro to Asian Religions Introduction to Hinduism, Buddhism, and Daoism
RELG 130W Women & Religion
RELG 134W Religious Diversity in the United States
RELG 181 Judaism, Christianity & Islam
RELG 208 Intro to Islam
RELG 209 Judaism & Christianity in Conflict & Coexistence (JUDS 209)
RELG 215 Religion and Culture Before 1000 C.E.
RELG 218 Intro Introduction to Buddhism
RELG 219 Introduction to Jewish History (HIST 219/JUDS 219)
RELG 230 Tibetan Buddhism
RELG 305 Ancient Greek Religions (CLAS 305)
RELG 318 Islam in the Modern World
RELG 332 Jews in the Middle Ages (HIST 332/JUDS 332)
RELG 334 Jews, Christians & the Bible (JUDS 334)
RELG 351 Death, Immortality & Transcendence in Asian Religions
RELG 370 Religion & Reform: Utopian & Communal Societies in America (ANTH 370)
RELG 409 Religion of Late Western Antiquity (CLAS 409/HIST 409)
RELG 410 Gnosticism (CLAS 410)
RELG 489 Medieval Literature & Theology (ENGL 489)
CLAS 286 Literature of the Ancient Near East
CLAS 312 Pagans & Christians in the Roman Empire (RELG 312)
HIST 214 History of Islam (RELG 214)
HIST 216 History of Christianity (RELG 216)
HIST 219 Intro to Jewish History (JUDS 219/RELG 219)
HIST 421 The German Reformation
JUDS 350 Literature of Judaism
MUSC 451 Music & the Church
MUSC 452 Hymnology

ADDITIONAL MAJOR REQUIREMENTS
Grade Rules
Pass/No Pass Limits
Departmental permission to take major or minor courses for Pass/No Pass credit must be obtained. Request forms are available in the Arts and Sciences Advising Center, 107 Oldfather Hall.

REQUIREMENTS FOR MINOR OFFERED BY DEPARTMENT
Requirements for the Minor in Classics
A minimum of 18 hours in the courses listed in A, B, and C. At least 3 hours must be taken from each area, and at least 9 of those hours must be CLAS. At least 6 hours must be above 299.
A minimum of 18 hours of courses with the prefix CLAS, GREK or LATN (language courses above the 199 level) or which are crosslisted with CLAS at least 6 hours must be above 299.

Requirements for the Minor in Religious Studies
A minimum of 18 hours in the courses listed in D, E, and F. At least 3 hours must be taken from each area, and at least 9 of those hours must be RELG. At least 6 hours must be above 299.
A minimum of 18 hours of courses with the prefix RELG. Students minoring in Religious Studies must take at least six courses including at least 1-100, 1-200, and 1 at the-300 or 400 level. The student may count up to 3 hours above the 199-level in Greek, Latin, Hebrew or Arabic toward the Religious Studies major.

Item VII. Recommendation from the College Curriculum and Advising Committee to approve the proposed changes to the Environmental Studies major.

Proposed: MAJOR REQUIREMENTS

Core Requirements
1. Environmental Studies Core (BS and BA Degrees) Total Credit Hours: 13
   ENVR 101 Environmental Studies Orientation (1 cr)
   ENVR 201 Science, Systems, Environment & Sustainability (3 cr)
   ENVR 249 Individual & Cultural Perspectives on the Environment (3 cr)
   ENVR 319 Environmental Engagement & the Community (2 cr)
   ENVR 497 Internship in Environmental Studies (1 cr)
   ENVR 499A Environmental Studies Senior Thesis I (1 cr)
   ENVR 499B Environmental Studies Senior Thesis II (2 cr)
   ENVR 499A & ENVR 499B are the capstone courses for environmental studies majors. ENVR 499H (3 cr) is the capstone course for UNL Honors Students.

2a. Collateral Courses (BS Degree) Total Credit Hours: 37-40
2a and 2b. NOTE: See Emphasis Area for Mathematics and Natural Sciences Requirements Hours
   Earth Systems 13-15
   Select one from: 3-4
   NRES 104 Climate in Crisis (3 cr)
   NRES 312 Intro to Geospatial Information Sciences (3 cr)
   METR 180 Environment, Energy and Climate Change (3 cr)
   METR 200 Weather & Climate (4 cr)
   NRES 208 Applied Climate Sciences (3 cr)

   Select one from: 3-4
   NRES 108 Earth’s Natural Resource Systems Lab (3 cr)
   ENSC 110 Energy in Perspective (3 cr)
   GEOL 101 Physical Geology (4 cr)
   GEOL 106 Environmental Geology (3 cr)
   GEOL 125 Frontiers in Antarctic Geosciences (3 cr)
   GEOG 155 Elements of Physical Geography (4 cr)
   GEOG 181 Quality of the Environment (3 cr)
   SOIL 153 Soil Resources (4)

   Select one from: 3
   ENVR 189H Humans, Water & the Environment (3 cr)
   WATS 281 Intro to Water Science (3 cr)

Geospatial Science 3-4
   Select one from:
   NRES 312 Intro to Geospatial Information Sciences (3 cr)
GEOG 217 Mapping Science in the 21st Century (3 cr)
GEOG 317 Cartography I: Intro to Cartography (3 cr)
NRES 412 Intro to Geographic Information Systems (4 cr)
NRES 418 Intro to Remote Sensing (4 cr)

Statistics3
STAT 218 (or equivalent)
or STAT 380 Statistics and Applications (note requires MATH 107)

Students cannot receive UNL credit for both MATH 203 and STAT 218. Students who transfer STAT 218 credit to UNL will not receive UNL credit for MATH 203.

Human Dimensions18
Select two from: 6
SOCI 446 Environmental Sociology (3 cr)
ANTH 473 Ecological Anthropology (3 cr)
CYAF 460 Human Dimensions of Sustainability (3 cr)
NRES 409 Human Dimensions of Natural Resources (3 cr)

Students work with adviser to select courses in the areas of: Human Behavior & Law3
Select from:
PHIL 225 Environmental Ethics (3 cr)
ALEC 388 Ethics in Agriculture & Natural Resources (3 cr)
ANTH 130 Anthropology of the Great Plains (3 cr)
ANTH 170 Intro to Great Plains Studies (3 cr)
ANTH 212 Intro to Cultural Anthropology (3 cr)
ANTH 261 Conflict & Conflict Resolution (POLS 261/261X, SOCI 261/261X, PSYC 261/261X) (3 cr)
ANTH 351 Indigenous Peoples of North America (3 cr)
ANTH 408 Cross-Cultural Mentoring I (3 cr)
ANTH 454 Traveling Ethnographic Field School (3 cr)
ANTH 473 Ecological Anthropology (3 cr)
ANTH 476 Human Rights, Environment, & Development (3 cr)
BIOS 203 Bioethics (3 cr)
CYAF 460 Human Dimensions of Sustainability (3 cr)
AECN 357 Natural Resource & Environmental Law (3 cr)
AECN 457 Water Law (3 cr)
AECN 456 Environmental Law (3 cr)
COMM 365 Communication & Social Identity (3 cr)
GEOG 140 Introductory Human Geography (3 cr)
GEOG 181 Quality of the Environment (3 cr)
GEOG 272 Geography of World Regions (3 cr)
GEOG 283 Space, the Environment & You (3 cr)
GEOG 334 Historical Geography of the Great Plains (3 cr)
GEOG 361 Urban Geography (3 cr)
GEOG 406 Spatial & Environmental Influences in Social Systems (3 cr)
GEOG 447 Political Geography (3 cr)
NRES 409 Human Dimensions of Natural Resources (3 cr)
POLS 150 Intro to Biology, Psychology, & Politics (3 cr)
POLS 250 Genetics, Brains, & Politics (3 cr)
POLS 350 Issues in Biology, Psychology, & Politics (3 cr)
PSYC 181 Intro to Psychology (3 cr)
PSYC 288 The Psychology of Social Behavior (3 cr)
PSYC 330 Psychology of Diversity (3 cr)
SOCI 101/101X Intro to Sociology (3 cr)
SOCI 446 Environmental Sociology (3 cr)
Resource Management, Leadership and Politics
Select from:
- NRES 423 Integrated Resources Management (3 cr)
- NRES 475 Water Quality Strategy (3 cr)
- AECN 256 Legal Aspects in Agriculture (3 cr)
- AECN 345 Policy Issues in Agriculture & Natural Resources (3 cr)
- AECN 346 World Food Economics (3 cr)
- AECN 376 Rural Community Economics (3 cr)
- ALEC 202 Leadership Development in Small Groups & Teams (3 cr)
- ALEC 410 Environmental Leadership (3 cr)
- COMM 200 Communication, Collaboration, and Community: Introduction (3 cr)
- COMM 210 Communicating in Small Groups (3 cr)
- COMM 211 Intercultural Communication (3 cr)
- COMM 220 Intro to Public Discourse (3 cr)
- COMM 283 Interpersonal Communication (3 cr)
- COMM 334/POLS 334 Polls, Politics & Public Opinion (3 cr)
- COMM 371 Communication in Negotiation & Conflict Resolution (3 cr)
- COMM 375 Theories of Persuasion (3 cr)
- CRPL 470 Environmental Planning & Policy (3 cr)
- ENSC 230 Energy & the Environment: Economics & Policy (3 cr)
- POLS 104/104X Comparative Politics (3 cr)
- POLS 130 News Literacy, The Public, & Politics (3 cr)
- POLS 160/160X International Relations (3 cr)
- POLS 221 Politics in State & Local Governments (3 cr)
- POLS 232 Public Issues in America (3 cr)
- POLS 260 Problems in International Relations (3 cr)
- POLS 268 Threats to World Order (3 cr)
- POLS 334 Polls, Politics & Public Opinion (3 cr)
- POLS 360 Understanding World Politics (3 cr)
- POLS 362 Globalization, Human Rights & Diversity (3 cr)
- POLS 459 International Political Economy (3 cr)
- POLS 462 Security in the Post-Cold War Era (3 cr)
- POLS 470 International Human Rights (3 cr)

Selected courses can also meet ACE areas 8 and 9.

Economics and Policy
Select from: NRES 323 Natural Resources Policy or CRPL 470 Environmental Planning & Policy or AECN 357 Natural Resource & Environmental law

Select one from: ECON 211 or ECON 212 or AECN 1413

2b. Collateral Courses (BA Degree) Total Credit Hours: 40-43

Same collateral courses as in 2a Human Dimensions plus an additional 3 credits from that list or select 3 credit from the area of Public Speaking and Education. This requirement is in addition to ACE 2.

Public Speaking and Education
Select one from:
- COMM 109 Fundamentals of Human Communication
- COMM 209 Public Speaking
- EDPS 250 Fundamentals of Child Development for Education
- EDPS 251 Fundamentals of Adolescent Development for Education
- ALEC 305 Presentation Strategies for Agricultural Audiences
- ALEC 400 Overview to Program Planning
- ALEC 413 Program Development
3. Emphasis Areas (BS or BA Degree)

**Anthropology – BA**
Applied Climate Science (Only available through the College of Agricultural Sciences and Natural Resources)

**Biological Sciences – BS**

**Chemistry – BS**

**Communication Studies – BA and BS**

**English – BA**

**Geography – BA and BS**

**Geology – BS**

**Meteorology-Climatology – BS**

**Natural Resources (Only available through the College of Agricultural Sciences and Natural Resources)**

**Political Science – BA and BS**

**Psychology – BA and BS**

**Sociology – BS and BA**

### Specific Major Requirements

Program Assessment. In order to assist the department in evaluating the effectiveness of its programs, majors will be required to participate in several assessment activities throughout their program of study. Results of participation in this assessment activity will in no way affect a student’s GPA or graduation.

### Tracks/Options/Concentrations/Emphases Requirements

**Anthropology Emphasis (BA Degree) Total Credit Hours: 35-41**

**Hours**

Anthropology Emphasis Area Courses 18-19

**Required:**

- ANTH 110 Intro to Anthropology 3
- ANTH 473 Ecological Anthropology 3
- ANTH 482 Research Methods in Anthropology 3

Select one from:

- ANTH 212 Intro to Cultural Anthropology (3 cr)
- ANTH 232 Intro to Prehistory (3 cr)
- ANTH 242 Intro to Physical Anthropology (3 cr)

Select one from:

- ANTH 374 Primate Behavior & Ecology (3 cr)
- ANTH 430 Nutritional Anthropology (3 cr)
- ANTH 474 Applied & Development Anthropology (3 cr)

Select one from:

- ANTH 350 Peoples & Cultures of Native Latin America (3 cr)
- ANTH 351 Indigenous Peoples of North America (3 cr)
- ANTH 352 Indigenous Peoples of the Great Plains (3 cr)
- ANTH 362 Peoples & Cultures of Africa (3 cr)
- ANTH 366 Peoples & Cultures of East Asia (3 cr)

Mathematics 3-5

Select one from:

- MATH 103 College Algebra & Trigonometry (5 cr)
- MATH 104 Calculus for Managerial & Social Sciences (3 cr)
- MATH 106 Analytic Geometry & Calculus I (5 cr)

Natural Sciences 14-17

Biology 7-8
Select one from: BIOS 103, LIFE 120, BIOS 103L, LIFE 120L  
General Biology & Lab (4 cr)

Select one from: BIOS 220, Principles of Ecology (3 cr) (BIOS 222 Lab Recommended 1 cr) or BIOS 232, Ecological Issues in the Great Plains (3 cr)

Chemistry
Select one from:
CHM 105, Chemistry in Context I (4 cr)
CHM 109, General Chemistry I (4 cr)
CHM 113, Fundamental Chemistry I (4 cr)

Physics
Select one from:
PHYS 115, Descriptive Physics (3 cr)
PHYS 141, Elementary General Physics I (5 cr)
PHYS 151, Elements of Physics (4 cr)
MSYM 109, Physical Principles in Agriculture (4 cr)

College Distribution Requirements, ACE Requirements + Free Electives

Biological Sciences Emphasis (BS Degree) Total Credit Hours: 47-48

Hours
Biological Sciences Emphasis Area Courses

- BIOS 103, LIFE 120, BIOS 103L, LIFE 120L, Fundamentals of Biology I & Lab (4 cr)
- BIOS 103, LIFE 121, BIOS 103L, LIFE 121L, Fundamentals of Biology II & Lab (4 cr)
- BIOS 205, Genetics, Molecular & Cellular Biology Lab2 (3 cr)
- BIOS 206, General Genetics (4 cr)
- BIOS 207, Ecology & Evolution (4 cr)

Choose at least 6 credit hours of 300 or 400 level biology courses

Mathematics
Select from: MATH 106, Analytic Geometry & Calculus I or MATH 106B, Calculus I for Biology & Medicine

Natural Sciences
Select from:
CHM 109 & CHM 110, General Chemistry I & II (8 cr) or CHM 113 & CHM 114, Fundamental Chemistry I & II & Lab (CHEM 116) (9 cr)

Physics
Select from: PHYS 141 & PHYS 142, Elementary Physics I & II (10 cr) or PHYS 211 & PHYS 212, General Physics I & II & Labs (PHYS 221/PHYS 222) (10 cr)

College Distribution Requirements, ACE Requirements + Free Electives

Chemistry Emphasis (BS Degree) Total Credit Hours: 48-52

Hours
Chemistry Emphasis Area Courses

- CHEM 109 & CHEM 110, General Chemistry I & II (8 cr) or CHEM 113 & CHEM 114, Fundamental Chemistry I & II & Lab (CHEM 116) (9 cr)

Choose at least 12 additional credit hours of chemistry courses (excluding CHEM 131, CHEM 195, CHEM 396 & CHEM 399) (12 cr)

Mathematics (ACE 3)
MATH 106, Analytic Geometry & Calculus I
MATH 107, Analytic Geometry & Calculus II
Natural Sciences 17-18
Biology 7-8
Select one from: BIOS 101 & BIOS 101L General Biology & Lab (4 cr) or BIOS 103 LIFE 120 & BIOS 103L LIFE 120L
Fundamentals of Biology I & Lab (4 cr)
Select one from: BIOS 220 Principles of Ecology (3 cr) (BIOS 222 Lab Recommended 1 cr) or BIOS 232 Ecological Issues in the Great Plains (3 cr)

Physics 10
Select from: PHYS 141 & PHYS 142 Elementary Physics I & II (10 cr) or PHYS 211 & PHYS 212 General Physics I & II & Labs (PHYS 221/PHYS 222) (10 cr)

College Distribution Requirements, ACE Requirements + Free Electives 15-22

Communication Studies Emphasis in Environmental Studies (BA degrees) Total Credit Hours: 35-40 Hours
Communication Studies Courses 18
Requirements are the same as the Plan A minor in Communication studies – 18 credit hours in Communication Studies with at least 9 credit hours at or above the 300-level. The 18-hour requirement must include the following:
Either COMM 109, COMM 209, COMM 212, or COMM 286.
COMM 200 or COMM 201.

A minimum of 9 hours in Communication Studies at or above the 300-level excluding COMM 390 and COMM 490.
Of the 9 hours, at least 3 must be at the 400-level. COMM 200 or COMM 201 must be completed before a student can enroll in any 400-level course. COMM 490 cannot be used to meet this requirement.

Mathematics 3-5
Select one from:
MATH 103 College Algebra & Trigonometry (5 cr)
MATH 104 Calculus for Managerial & Social Sciences (3 cr)
MATH 106 Analytical Geometry & Calculus I (5 cr)

Natural Sciences 14-17
Biology 7-8
Select one from: BIOS 103 LIFE 120 & BIOS 103L LIFE 120L Fundamentals of Biology I & Lab (4 cr) or BIOS 101 & BIOS 101L General Biology & Lab (4 cr)
Select one from: BIOS 220 Principles of Ecology (3 cr) (BIOS 222 Lab Recommended 1 cr) or BIOS 232 Ecological Issues of the Great Plains (3 cr) 3-4

Chemistry 4
Select one from:
CHEM 105 Chemistry in Context I (4 cr)
CHEM 109 General Chemistry I (4 cr)
CHEM 113 Fundamental Chemistry I (4 cr)

Physics 3-5
Select one from:
PHYS 115 Descriptive Physics (3 cr)
PHYS 141 Elementary General Physics I (5 cr)
PHYS 151 Elements of Physics (4 cr)
MYSM 109 Physical Principles in Agriculture (4 cr)

College Distribution Requirements, ACE Requirements + Free Electives 21-29

Communication Studies Emphasis in Environmental Studies (BS degree) Total Credit Hours: 43-45
Communication Studies Courses 18
Requirements are the same as the Plan A minor in Communication studies – 18 credit hours in Communication Studies with at least 9 credit hours at or above the 300-level. The 18-hour requirement must include the following:
Either COMM 109, 209, 212, or 286.
COMM 200 or COMM 201.

A minimum of 9 hours in Communication Studies at or above the 300-level excluding COMM 390 and COMM 490.
Of the 9 hours, at least 3 must be at the 400-level. COMM 200 or COMM 201 must be completed before a student can enroll in any 400-level course. COMM 490 cannot be used to meet this requirement.

Mathematics
MATH 106 Analytical Geometry & Calculus I (5 cr)

Natural Sciences
Biology 7-8
Select one from:
BIOS 103 LIFE 120 & BIOS 103L LIFE 120L Fundamentals of Biology I & Lab (4 cr) or BIOS 101 & BIOS 101L General Biology & Lab (4 cr)
Select one from:
BIOS 220 Principles of Ecology (3 cr) (BIOS 222 Lab Recommended 1 cr) or BIOS 232 Ecological Issues of the Great Plains (3 cr)

Chemistry 8-9
Select from:
CHEM 105 & CHEM 106 Chemistry in Context I & II (8 cr)
CHEM 109 & CHEM 110 General Chemistry I & II (8 cr)
CHEM 113 & CHEM 114 Fundamental Chemistry I & II & Lab (CHEM 116) (9 cr)

Physics 5
Select from:
PHYS 141 Elementary Physics I (5 cr) or PHYS 211 & PHYS 221 General Physics I & Lab (5 cr)

College Distribution Requirements, ACE Requirements + Free Electives 19-24

English Emphasis in Environmental Studies (BA degrees) Total Credit Hours: 35 - 40

English Courses: 18 Credits
18 hrs of English at the 200-level or above; 9 hrs must be at 300-level; of these 9 hrs., 3 hrs must be at the 400-level. In addition, at least one course from the following: ENGL 211, ENGL 317, or ENGL 411.

Mathematics: 3 - 5 credits
Select from:
MATH 103 College Algebra and Trigonometry (5 cr); MATH 104 Calculus for Managerial and Social Sciences (3 cr); MATH 106 Analytical Geometry and Calculus I (5 cr)

Natural Sciences: 14 – 17 credits
Biology: 7 – 8 credits
Select from:
LIFE 120 & LIFE 120L Fundamentals of Biology I & Lab (4 cr) or BIOS 101 & BIOS 101L General Biology & Lab (4 cr)
Select from:
BIOS 220 Principles of Ecology (3 cr) (BIOS 222 Lab Recommended, 1 cr) or BIOS 232 Ecological Issues of the Great Plains (3 cr)
Chemistry: 4 credits
Select one from:
CHEM 105 Chemistry in Context I (4 cr) or CHEM 109 General Chemistry I (4 cr) or CHEM 113 Fundamental Chemistry I (4 cr)
Physics: 3 – 5 credits
Select one from:
PHYS 115 Descriptive Physics (3 cr) or PHYS 141 Elementary General Physics I (5 cr) or PHYS 151 Elements of Physics (4 cr) or MYSM 109 Physical Principles in Agriculture (4 cr)

College Distribution Requirements, ACE Requirements + Free Electives: 21 – 29
Geography Emphasis (BA Degree) Total Credit Hours: 38-43

Hours
Geography Emphasis Area Courses 21
GEOG 181 Quality of the Environment 3
A total of 18 credits with at least one course from A, B, and C 18

A. Human Geography
GEOG 120 Introductory Economic Geography (3 cr)
GEOG 140 Introductory Human Geography (3 cr)
GEOG 271 Geography of the United States (3 cr)
GEOG 272 Geography of World Regions (3 cr)
GEOG 283 Space, the Environment & You (3 cr)
GEOG 334 Historical Geography of the Great Plains (3 cr)
GEOG 375 Geography of Asia (3 cr)
GEOG 447 Political Geography (3 cr)

B. Physical Geography
GEOG 155 Elements of Physical Geography (4 cr)
GEOL 450 Surficial Processes (3 cr)
GEOG 484 Water Resources Seminar (1 cr)
GEOG 498 Advanced Special Problems (1-24 cr)
METR 408 Microclimate: The Biological Environment (3 cr)
METR 475 Physical Climatology (3 cr)

C. Geographic Techniques
GEOG 317 Cartography I: Intro to Cartography (4 cr)
GEOG 412 Intro to Geographic Information Systems (4 cr)
GEOG 414 Quantitative Methods in Geography (3 cr)
GEOG 418 Intro to Remote Sensing (4 cr)
GEOG 419 Applications of Remote Sensing in Agriculture & Natural Resources (4 cr)

Mathematics 3-5
Select from:
MATH 103 College Algebra & Trigonometry (5 cr)
MATH 104 Calculus for Managerial & Social Sciences (3 cr)
MATH 106 Analytic Geometry & Calculus I (5 cr)

Natural Sciences 14-17
Biology 7-8
Select one from: BIOS 103 LIFE 120 & BIOS 103L LIFE 120L Fundamentals of Biology I & Lab (4 cr) or BIOS 101 & BIOS 101L General Biology & Lab (4 cr)
Select one from: BIOS 220 Principles of Ecology (3cr) (BIOS 222 Lab Recommended 1 cr) or BIOS 232 Ecological Issues in the Great Plains (3 cr)

Chemistry 4
Select one from:
CHEM 105 Chemistry in Context I (4 cr)
CHEM 109 General Chemistry I (4 cr)
CHEM 113 Fundamental Chemistry I (4 cr)

Physics 3-5
Select one from:
PHYS 115 Descriptive Physics (3 cr)
PHYS 141 Elementary General Physics I (5 cr)
PHYS 151 Elements of Physics (4 cr)
MSYM 109 Physical Principles in Agriculture (4 cr)
College Distribution Requirements, ACE Requirements + Free Electives

Geography Emphasis (BS Degree) Total Credit Hours: 46-48

Hours
Geography Emphasis Area Courses
GEOG 181 Quality of the Environment 3
A total of 18 credits with at least one course from A, B, and C listed above (under the BA degree) 18

Mathematics: 5
MATH 106 Analytic Geometry & Calculus I 5
Natural Sciences 20-22

Biology 7-8
Select from: BIOS 103 LIFE 120 & BIOS 103L LIFE 120L Fundamentals of Biology I & Lab (4 cr) or BIOS 101 & BIOS 101L General Biology & Lab (4 cr)
Select one from: BIOS 220 Principles of Ecology (3 cr) (BIOS 222 Lab Recommended 1 cr) or BIOS 232 Ecological Issues in the Great Plains (3 cr)

Chemistry 8-9
Select from: CHEM 109 & 110 General Chemistry I & II (8 cr) or CHEM 113 & 114 Fundamental Chemistry I & II & Lab (CHEM 116) (9 cr)

Physics 5
Select from: PHYS 141 Elementary Physics I (5 cr) or PHYS 211 & PHYS 221 General Physics I & Lab (5 cr)

College Distribution Requirements, ACE Requirements + Free Electives

Geology Emphasis (BS degree) Total Credit Hours: 53-54

Geology Emphasis Area Courses
Requirements are the same as a minor in geology – 22 credits with only 8 credits at the 100 level.

Mathematics 10
MATH 106 Analytic Geometry & Calculus I (5 cr)
MATH 107 Analytic Geometry & Calculus II (5 cr)

Natural Sciences 21-22
Biology 7-8
Select one from: BIOS 101 & BIOS 101L General Biology & Lab (4 cr) or BIOS 103 LIFE 120 & BIOS 103L LIFE 120L Fundamentals of Biology I & Lab (4 cr)
Select one from: BIOS 220 Principles of Ecology (3 cr) (BIOS 222 Lab Recommended 1 cr) or BIOS 232 Ecological Issues in the Great Plains (3 cr)

Chemistry 4
Select from: CHEM 109 General Chemistry I (4 cr) or CHEM 113 Fundamental Chemistry I (4 cr)

Physics 10
Select from: PHYS 141 & PHYS 142 Elementary Physics I & II (10 cr) or PHYS 211 & PHYS 212 General Physics I & II & Labs (PHYS 221/PHYS 222) (10 cr)

College Distribution Requirements, ACE Requirements + Free Electives

Meteorology–Climatology Emphasis (BS Degree) Total Credit Hours: 49-51
Requirements are the same as a minor for meteorology–climatology.
Meteorology Emphasis (40 hrs)
Meteorology Emphasis Area Courses 22
**METR 200** Weather & Climate 4  
**METR 205** Intro to Atmospheric Science 4  
**METR 311** Dynamic Meteorology 3  
**METR 323** Physical Meteorology 4  
**METR 341** Synoptic Meteorology 4  
Plus one METR class at the 400 level 3  

Mathematics 10  
**MATH 106** Analytic Geometry & Calculus I 5  
**MATH 107** Analytic Geometry & Calculus II 5  

Physics 9  
**PHYS 211** & **PHYS 212** General Physics I & II & Lab (**PHYS 221**) 9  

Climatology Emphasis (32 hrs)  
Climatology Emphasis Area Courses 23  
**METR 200** Weather & Climate 4  
**METR 205** Introduction to Atmospheric Science 4  
**METR 370** Basic & Applied Climatology 3  
**METR 475** Physical Climatology 3  
Select 9 hours from: 9  
**NRES 408** Microclimate: The Biological Environment (3 cr)  
**METR 443** Severe Storms Meteorology-Climatology (3 cr)  
**METR 450** Climate & Society (3 cr)  
**METR 454** Statistical Analysis of Atmospheric Data (3 cr)  
**METR 487** Earth’s Climate: Past, Present, Future (3 cr)  
**METR 498** Special Topics in Meteorology-Climatology (1-24 cr)  

Mathematics 5  
**MATH 106** Analytic Geometry & Calculus I 5  

Physics 5  
**PHYS 211** & **PHYS 221** General Physics I & Lab 5  

Natural Sciences 11-12  
NOTE: Applies to both Climatology and Meteorology Emphasis Areas  
Biology 7-8  
Select one from:  **BIOS 101** & **101L** General Biology & Lab (4 cr) or  **BIOS 103** **LIFE 120** & **BIOS 103L** **LIFE 120L** Fundamentals of Biology I & Lab (4 cr)  
Select one from:  **BIOS 220** Principles of Ecology (3 cr) (**BIOS 222** Lab Recommended 1 cr) or  **BIOS 232** Ecological Issues in the Great Plains (3 cr)  

Chemistry 4  
Select from:  **CHEM 109** General Chemistry I (4 cr) or  **CHEM 113** Fundamental Chemistry I (4 cr)  

College Distribution Requirements, ACE Requirements + Free Electives 16-21  

Political Science Emphasis in Environmental Studies (BA Degree) Total Credit Hours: 35-40  
Hours  
Political Science Courses 18  
Requirements are the same as a minor in Political Science – 18 credits including  **POLS 100** and at least one course at the 400 level.  

Mathematics 3-5  
Select from:
**MATH 103** College Algebra & Trigonometry (5 cr)
**MATH 104** Calculus for Managerial & Social Sciences (3 cr)
**MATH 106** Analytical Geometry & Calculus I (5 cr)

Natural Sciences 14-17
Biology 7-8
Select one from: **BIOS 101** & **BIOS 101L** General Biology & Lab (4 cr) or **BIOS 103** **LIFE 120** & **BIOS 103L** **LIFE 120L** Fundamentals of Biology I & Lab (4 cr)
Select one from: **BIOS 220** Principles of Ecology (3 cr) (**BIOS 222** Lab Recommended 1 cr) or **BIOS 232** Ecological Issues in the Great Plains (3 cr)

Chemistry 4
Select from: **CHEM 105** Chemistry in Context I (4 cr) or **CHEM 109** General Chemistry I (4 cr) or **CHEM 113** Fundamental Chemistry I (4 cr)

Physics 3-5
Select from:
**PHYS 115** Descriptive Physics (3 cr)
**PHYS 141** Elementary General Physics I (5 cr)
**PHYS 151** Elements of Physics (4 cr)
**MSYM 109** Physical Principles in Agriculture (4 cr)

College Distribution Requirements, ACE Requirements + Free Electives 21-29

Political Science Emphasis in Environmental Studies (BS Degree) Total Credit Hours: 43-45

Hours
Political Science Courses 18
Requirements are the same as a minor in Political Science – 18 credits including **POLS 100** and at least one course at the 400 level.

Mathematics 5
**MATH 106** Analytical Geometry & Calculus I (5 cr)

Natural Sciences 20-22
Biology 7-8
Select one from: **BIOS 101** & **BIOS 101L** General Biology & Lab (4 cr) or **BIOS 103** **LIFE 120** & **BIOS 103L** **LIFE 120L** Fundamentals of Biology I & Lab (4 cr)
Select one from: **BIOS 220** Principles of Ecology (3 cr) (**BIOS 222** Lab Recommended 1 cr) or **BIOS 232** Ecological Issues in the Great Plains (3 cr)

Chemistry 8-9
Select from: **CHEM 105** & **CHEM 106** Chemistry in Context I & II (8 cr) or **CHEM 109** & **CHEM 110** General Chemistry I & II (8 cr) or **CHEM 113** & **CHEM 114** Fundamental Chemistry I & II & Lab (**CHEM 116**) (9 cr)

Physics 5
Select from: **PHYS 141** Elementary Physics I (5 cr) or **PHYS 211** & **PHYS 221** General Physics I & Lab (5 cr)

College Distribution Requirements, ACE Requirements + Free Electives 19-24

Sociology Emphasis (BA Degree) Total Credit Hours: 38-43

Hours
Sociology Emphasis Area Courses 21
Require **SOCI 205** (3 hrs) plus meet the requirements of the minor in sociology – 18 hours including **SOCI 101**. No more than 3 hours total from internship and independent study courses, **SOCI 397** and/or independent study **SOCI 399** may count toward the minor requirements in sociology.

Mathematics 3-5
Select from:
- **MATH 103** College Algebra & Trigonometry (5 cr)
- **MATH 104** Calculus for Managerial & Social Sciences (3 cr)
- **MATH 106** Analytic Geometry & Calculus I (5 cr)

Natural Sciences 14-17

Biology 7-8
Select one from: **LIFE 120** & **LIFE 120L** Organismic Biology & Lab (4 cr) or **BIOS 103** **LIFE 120** & **BIOS 103L** **LIFE 120L**

Fundamentals of Biology I & Lab (4 cr)
Select one from: **BIOS 220** Principles of Ecology (3 cr) (**BIOS 222** Lab Recommended 1 cr) or **BIOS 232** Ecological Issues in the Great Plains (3 cr)

Chemistry 4

Select one from:
- **CHEM 105** Chemistry in Context I (4 cr)
- **CHEM 109** General Chemistry I (4 cr)
- **CHEM 113** Fundamental Chemistry I (4 cr)

Physics 3-5

Select one from:
- **PHYS 115** Descriptive Physics (3 cr)
- **PHYS 141** Elementary General Physics I (5 cr)
- **PHYS 151** Elements of Physics (4 cr)
- **MSYM 109** Physical Principles in Agriculture (4 cr)

College Distribution Requirements, ACE Requirements + Free Electives 21-29

Psychology Emphasis in Environmental Studies (BA degrees) Total Credit Hours: 35-40

Hours
Psychology Courses 18
Requirements are the same as the Plan A minor in Psychology – 18 credit hours including (a) **PSYC 181** and (b) 14 credit hours at the 200 level or above, 9 of which must be at the 300 level or above.

Mathematics 3-5

Select from:
- **MATH 103** College Algebra & Trigonometry (5 cr)
- **MATH 104** Calculus for Managerial & Social Sciences (3 cr)
- **MATH 106** Analytic Geometry & Calculus I (5 cr)

Natural Sciences 14-17

Biology 7-8
Select from: **LIFE 120** & **LIFE 120L** Organismic Biology & Lab (4 cr) or **BIOS 103** **LIFE 120** & **BIOS 103L** **LIFE 120L**

Fundamentals of Biology I & Lab (4 cr)
Select one from: **BIOS 220** Principles of Ecology (3 cr) (**BIOS 222** Lab Recommended 1 cr) or **BIOS 232** Ecological Issues of the Great Plains (3 cr)

Chemistry 4

Select one from:
- **CHEM 105** Chemistry in Context I (4 cr)
- **CHEM 109** General Chemistry I (4 cr)
- **CHEM 113** Fundamental Chemistry I (4 cr)

Physics 3-5

Select one from:
- **PHYS 115** Descriptive Physics (3 cr)
- **PHYS 141** Elementary General Physics I (5 cr)
**PHYS 151** Elements of Physics (4 cr)
**MYSM 109** Physical Principles in Agriculture (4 cr)

College Distribution Requirements, ACE Requirements + Free Electives 21-29

Psychology Emphasis in Environmental Studies (BS degrees) Total Credit Hours: 43-45

Hours
Psychology Courses 18
Requirements are the same as the Plan A minor in Psychology – 18 credit hours including (a) **PSYC 181** and (b) 14 credit hours at the 200 level or above, 9 of which must be at the 300 level or above.

Mathematics: 5
**MATH 106** Analytical Geometry & Calculus I (5 cr)

Natural Sciences 20-22

Biology 7-8
Select one from: **BIOS 103** **LIFE 120** & **BIOS 103L** **LIFE 120L** Fundamentals of Biology I & Lab (4 cr) or **BIOS 101** & **BIOS 101L** General Biology & Lab (4 cr)

Select one from: **BIOS 220** Principles of Ecology (3 cr) (**BIOS 222** Lab Recommended 1 cr) or **BIOS 232** Ecological Issues of the Great Plains (3 cr)

Chemistry 8-9
Select from:
**CHEM 105** & **CHEM 106** Chemistry in Context I & II (8 cr)
**CHEM 109** & **CHEM 110** General Chemistry I & II (8 cr)
**CHEM 113** & **CHEM 114** Fundamental Chemistry I & II & Lab (**CHEM 116**) (9 cr)

Physics 5
Select from: **PHYS 141** Elementary Physics I (5 cr) or **PHYS 211** General Physics I & Lab (**PHYS 221**) (5 cr)

College Distribution Requirements, ACE Requirements + Free Electives 19-24

Sociology Emphasis (BS Degree) Total Credit Hours: 46-48

Hours
Sociology Emphasis Area Courses 21
 Require **SOCI 205** (3 hrs) plus meet the requirements of the minor in sociology – 18 hours including **SOCI 101**. No more than 3 hours total from internship and independent study courses, **SOCI 397** and/or independent study **SOCI 399** may count toward the minor requirements in sociology.

Mathematics: 5
**MATH 106** Analytic Geometry & Calculus I (5)

Natural Sciences 20-22

Biology 7-8
Select one from: **BIOS 103** **LIFE 120** & **BIOS 103L** **LIFE 120L** Fundamentals of Biology I & Lab (4 cr) or **BIOS 101** & **BIOS 101L** General Biology & Lab (4 cr)

Select one from: **BIOS 220** Principles of Ecology (3 cr) (**BIOS 222** Lab Recommended 1 cr) or **BIOS 232** Ecological Issues in the Great Plains (3 cr)

Chemistry 8-9
Select from:
**CHEM 105** & **CHEM 106** Chemistry in Context I & II (8 cr)
**CHEM 109** & **CHEM 110** General Chemistry I & II (8 cr)
**CHEM 113** & **CHEM 114** Fundamental Chemistry I & II & Lab (**CHEM 116**) (9 cr)

Physics 5
Select from: **PHYS 141** Elementary Physics I (5 cr) or **PHYS 211** & **PHYS 221** General Physics I & Lab (5 cr)
ADDITIONAL MAJOR REQUIREMENTS

Grade Rules

C- and D Grades
Environmental studies majors must earn a “C” or “P” in all environmental studies (ENVR) core courses and discipline-specific emphasis area courses.

Pass/No Pass Limits
No environmental studies (ENVR) core courses, unless offered Pass/No Pass, or discipline-specific emphasis area courses may be taken Pass/No Pass.

Justification: The courses outlined in yellow below and in the attached documents are additions to our curriculum that will provide our students with additional options in the relevant disciplinary areas and to reduce the need of substitution waivers. We are in the process of seeking permission to use these courses. They are pending. I do not foresee any problems in that the number of additional students in any one class will be five or less. Under the collateral courses for the BA, we have modified the language so as it will make double major a more accessible option for those students interested in graduating in four years.

The Biology requirements have been modified to include the LIFE science sequence of courses and remove BIOS 103 as an option.

We wish all of our students could take NRES 220 and 220L Principles of Ecology. However, there is a bottleneck because of the demand on the course especially the lab. This is why we are now only recommending the lab so as to not completely eliminate the option of getting exposure to the lecture part of the course.

Item VIII. Recommendation from the College Curriculum and Advising Committee to approve the proposed new Digital Humanities minor.

Proposed:
• 18 hours of course work with the following distribution:
  o 6 hours (two courses) required “Core Courses”
  o 6 hours of “Core Electives”
  o 6 hours from the list of elective courses
• Credits earned using the Pass/No Pass option do not count towards this minor.
• A course may be used to satisfy either the core requirement or the electives requirement but not both.
• Other courses, not listed as electives, particularly special topics courses or honors courses with a relevant focus may be applied toward the minor by permission of the Faculty Director. Examples of such courses include:
  o HIST 189H Introduction to Digital Humanities
  o HIST 396 3D Modeling
  o HIST 397 History Harvest
  o ENGL 498 Microanalysis
  o ENGL 498 Macroanalysis

Core Courses (6 Credit Hours, Required):
ENGL 277/ HIST 277 Being Human in the Digital Age
ENGL 495D Directed Internship

Core Electives (Choose any two courses for 6 credit hours)
ENGL 278: Introduction to Humanities Computing
ENGL 478: Digital Archives and Editions
HIST 470: Digital History Seminar
Electives: (choose any two elective courses for 6 credit hours)
CSCE 101 Fundamentals of Computer Science
CSCE 155 Computer Science I
CSCE 311 Data Structures and Algorithms for Informatics
ENGL 278 Introduction to Humanities Computing
ENGL 478 Digital Archives and Editions
GEOG 312 Introduction to Geospatial Information Sciences
GEOG 412 Introduction to Geographic Information Systems
GEOG 418 Introduction to Remote Sensing
GEOG 420 Digital Image Analysis of Remote Sensing Data
GEOG 422 Advanced Techniques in Geographic Information Systems
GEOG 427 Introduction to the Global Positioning System (GPS)
GEOG 432 GIS Programming for Advanced Spatial Analysis and Modeling
HIST 470 Digital History Seminar
STAT 218 Introduction to Statistics
STAT 318 Introduction to Statistics II
THEA 282 Digital Video Production
THEA 368 Digital Media Production
THEA 387 Digital Animation Basics
THEA 473 Digital Visual Effects
THEA 474 Digital Animation

Justification: Summary:
A minor in Digital Humanities addresses the demand for graduates proficient and versed in a combination of humanistic and
digital/computational skills and able to work either in the realm of humanities research and teaching or in the emerging job
markets of information management and online content delivery. Graduates with a minor in Digital Humanities would be well
positioned for project management and leadership positions in emerging digital, multimedia, and database-driven projects and
industries; digitally savvy humanities majors offer an informed middle-ground between programmers, technical writers, new
media artists, and researchers. Graduates remaining in academic settings are well suited to all manner of digital initiatives:
electronic publishing, online archiving, data management, media preservation, text analysis and digital heritage are but a few
examples.

Rationale:
- We are witnessing an increased need for specialists equally comfortable with the humanities and technology.
- A number of universities already offer graduate programs in digital humanities and/or have research centers or
institutes devoted to digital humanities.
- Undergraduate interest in digital humanities is increasing both within the traditional humanistic disciplines and also
within the social and computational sciences more generally. Currently, such students end up negotiating makeshift
specializations within current department structures or, more often, double-majoring and/or conjoining their interests
outside of their coursework. The result is that too often, they get little input from the faculty whose interests and
expertise most closely match their own.
- Current programs and departments do not serve these students well.

Not the least important:
- UNL has recently instituted a graduate certificate in Digital Humanities.
- UNL is a recognized leader in Digital Humanities teaching and research.
- UNL has committed significant resources toward making Digital Humanities research an area of excellence within the
university and within the CIC. A Digital Humanities Minor is a natural and obvious manifestation of this commitment.

Program Administration:
- Digital Humanities would constitute an interdisciplinary minor.
- The DH minor would be composed of a core curriculum and draw on a variety of fields in the humanities, social
sciences, and computational sciences for elective credit.
- The DH minor would be led by a faculty Director (3 year term) in conjunction with an advisory board.
• The Director would liaise with the advising officers of participating departments to make recommendations and ensure that the curriculum is properly implemented.

Advisory Board: Composition and Responsibilities
An advisory board, consisting of a single faculty representative from each non-elective participating academic department will meet, once per semester, to review and discuss the program. The advisory board will:
  • Serve as the governing body of the DH Minor.
  • Evaluate, vote on, and approve/reject the courses that constitute the different facets of the minor.
  • Elect a faculty Director who will serve a three-year term.