College of Arts & Sciences Faculty Meeting
Thursday, December 11, 2014
3:30 p.m. – 5:00 p.m.
Jackie Gaughan Multicultural Center
Room 202/Ubuntu Room

3:30 p.m. Refreshments
3:45 p.m. Meeting begins

# AGENDA

Item I. Approval of minutes from the Spring Faculty Meeting on April 24, 2014. (See appendix).

Item II. Opening comments.

Appointing of Parliamentarian

Item III. Recommendation from the College Curriculum & Advising Committee to approve the proposed changes to the minor in Czech. (See appendix.)

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

Item V. Recommendation from the College Curriculum & Advising Committee to approve the proposed changes to the major and minor in German. (See appendix.)

Item VI. Recommendation from the College Curriculum & Advising Committee to approve the proposed new Informatics minor. (See appendix.)

Item VII. Recommendation from the College Curriculum & Advising Committee to approve the proposed changes to the minor in Sociology. (See appendix.)

Item VIII. Recommendation from the College Curriculum & Advising Committee to approve the proposed new Software Development minor. (See appendix.)

Item IX. Recommendation from the College Curriculum & Advising Committee to approve the elimination the major in Speech Language Pathology & Audiology in the college. (See appendix.)

Item X. Discussion regarding changes to the Bylaws for the college. (See appendix.)

Item XI. Opportunity to ask questions of the Dean.

# APPENDIX

**Item I. Approval of minutes from the Spring Faculty Meeting on April 24, 2014.**

College of Arts & Sciences
Faculty spring meeting
April 24, 2014

3:15: meeting called to order

Item I. *Approval of minutes from the Fall Faculty Meeting, Dec. 12, 2013.*
A motion to approve the minutes was made by Lloyd Ambrosius and seconded by Dan Hoyt.
The proposal was approved unanimously.

Item II. *Opening comments.*
Dean Goddard thanked everyone for participating on the various College committees, etc.

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

-Executive Committee
-Promotions 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

No questions or concerns were raised.

Item IV. *Recommendation from the College Curriculum and Advising Committee to approve the proposed changes to the course restrictions list*.
Lisa Kort-Butler presented on the changes to the course restriction list. Debbie Minter provided additional input.
The changes were approved unanimously

Item V. *Recommendation from the College Curriculum and Advising Committee to approve the new Arabic Minor*.
Lisa Kort-Butler summarized the proposal for a new minor in Arabic. She noted that lots of students have reported interest.
The proposal was approved unanimously.

Item VI. *Recommendation from the College Curriculum and Advising Committee to approve the proposed title change for the Global Security Studies minor*.
Lisa Kort-Butler present information on the proposed name change of the Global Securities Studies minor to National Security Studies. There was no discussion.
The proposal was approved unanimously.

Item VII. *Recommendation from the College Curriculum and Advising Committee to approve the proposed changes to the French major and minor*.
Lisa Kort-Butler presented on the proposed change to the French major and minor. No discussion.
The proposal was approved unanimously

Item VIII. *Recommendation from the College Curriculum and Advising Committee to approve the proposed changes to the Japanese minor*.

Lisa Kort-Butler presented on the proposed changes to the Japanese minor. No discussion.
The proposal was approved unanimously

Item IX. *Recommendation from the College Curriculum and Advising Committee to approve the proposed changes to the Spanish major and minor*.
Lisa Kort-Butler presented on the proposed changes to the Spanish major and minor. She noted that these changes will make it easier for students to navigate the program.
Debbie Minter noted that the Spanish dept. is interested in supporting students who are interested in translation and the proposed changes are in part designed to do so.
The proposal was approved unanimously

Item X. *Opportunity to ask questions of the Dean*.
Lloyd Ambrosius asked about the timeline for the appointment of a new dean. Dean Goddard said he didn't know, but that he returns to his position as Chair of Computer Science and Engineering on July 1.

Dean Goddard noted that an offer has been made to Joe Francisco, but no news was available at this time regarding the negotiations. He noted that we've all heard rumors of deadlines, which he suspects means we should assume we are near a deadline. Dean Goddard thinks Francisco will accept and feels that the announcement could come at any time. Dean Goddard notes that he has been cheering for the appointment of a new dean, though he has enjoyed his service. But being in a transition period is difficult.

Susan Belasco asked where we are in the Chancellor's proposed budget reduction plan? Dean Goddard said the item was on the Academic Planning Committee agenda. He noted that the APC had previously voted 8-6 against accepting the Chancellor's proposal to cut faculty salaries. This vote is simply a recommendation to the Chancellor, nevertheless the vote will likely create delays in the making of a final decision, although the outcome may be the same. The College of Arts and Sciences has opened up the merit review website and proposed that there will be 1% to allocate, with 1/4% for a college pool to allocate for raises. Final word will likely come later. The Chancellor will seek input from dept. chairs. The final raises likely will not be lower than those originally proposed, and may be higher. Dean Goddard notes it is best to be cautious at this time.

Dan Hoyt made a motion to adjourn, which was seconded by Debbie Minter.
Meeting adjourned at 3:28.

Respectfully submitted,
Thomas Lynch
Faculty Secretary

Item III. Recommendation from the College Curriculum & Advising Committee to approve the proposed changes to the minor in Czech.

## REQUIREMENTS FOR MINOR OFFERED BY DEPARTMENT

Czech offers a Plan B minor only.

**Plan B.** 6 hours in one language, in courses numbered above 300.

**Pass/No Pass.** No courses in the department may be taken by students majoring or minoring in modern languages for Pass/No Pass credit.

## REQUIREMENTS FOR MINOR OFFERED BY DEPARTMENT

12 hours: 6 hours of CZEC courses numbered 300 or above and 6 additional hours either from Study Abroad (CZEC 398) or in a 300 or 400 level course in a related area as approved by the undergraduate advisor. Specific courses that may be used to fulfill this requirement are:
HIST 330 Contemporary Europe
HIST 338 War and Pierce in Europe
HIST 361 Czech History
HIST 362 Eastern Europe and the Balkans
HIST 371 European Union
POLS 462 Security in Post Cold War

## Justification

-Expanding the minor by 6 hours broadens students' understanding of cultural dimensions of the area. -The expansion encompasses courses on films, history, politics, international relations, others, as approved by the advisor related to the Czech minor. -The expansion gives flexibility to include newly developed courses in the Czech area. -The development of cross-listed courses establishes ties with other departments. -The expansion makes the students' studies well-rounded and prepares them for professional careers.

Item IV. Recommendation from the College Curriculum & Advising Committee to approve the proposed changes to the major in Environmental Studies.

an initial appointment with the program or academic adviser.

The environmental studies major is designed for students who want to make a difference and contribute to solving environmental challenges on a local to global scale. Solutions to challenges such as climate change, pollution, and resource conservation require individuals who have a broad-based knowledge in the natural and social sciences, as well as strength in a specific discipline. The environmental studies major will provide the knowledge and skills needed for students to work across disciplines and to be competitive in the job market. The Environmental Studies program uses a holistic approach and a framework of sustainability. This framework recognizes the necessity of meeting current resource needs without compromising the environment or the ability of future generations to meet their needs. Students may select either a BS or BA degree through the College of Arts and Sciences. The degree program consists of four required components:1. Environmental studies core courses introduce students to the major (ENVR 101) and provide a foundation in the scientific and human dimensions of environmental challenges (ENVR 201 and ENVR 249). Students will have the opportunity to work with individuals and organizations involved in environmental challenges within the community (ENVR 319). The required internship course (ENVR 495) provides the opportunity to gain work experience related to academic and career objectives. The "capstone"

## MAJOR REQUIREMENTS

**Core Requirements**

Required Courses (13 hours)
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 495 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 & 499B are the capstone courses for environmental studies majors.
  ENVR 499H (3 cr) is the capstone course for UNL Honors Students.

Specific Major Requirements
**EARTH AND ENVIRONMENTAL SYSTEMS (BS and BA Degrees) Total Credit Hours: 20-23**

- Ecology - Select one from:

senior thesis series (ENVR 499A and ENVR 499B) provides an opportunity to complete a scholarly creative or research product. 2. General collateral courses in Earth and Environmental Systems, Human Dimensions, and Economics and Policy: Earth and environmental systems courses provide the opportunity to explore Earth's four major spheres (land, water, living things, air) and the influence humans have had on their variability over space and through time. Human dimensions courses allow an exploration of human factors driving environmental change: law, politics, ethics, human behavior, cultural diversity, decision-making, and communication. Economics and Policy courses provide an additional lens to view environmental challenges. In addition, students will use and apply relevant research methods, tools, and technologies to address environmental challenges in an ethical manner.3. Ancillary requirements in natural sciences (biology, chemistry and physics), mathematics, and statistics.4. Minor/Emphasis area courses. To provide depth within a particular discipline, completion of a Plan A minor or double major is required. The minor/double major can be chosen from: anthropology, biology, chemistry, communication studies, english, geography, geology, meteorology-climatology, political science, psychology, or sociology. If completing a minor, selection of additional upper level courses within the discipline are recommended.Students interested in majoring in environmental studies through the College of Arts and Sciences are advised to make an initial appointment with the program or academic adviser.

The environmental studies major is designed for students who want to make a difference and contribute to solving current as well as future environmental challenges on a local to global scale. Solutions to such problems as climate change, pollution, and resource conservation require individuals who have a broad-based knowledge in the natural sciences, social sciences, and the humanities as well as strength in a specific discipline. The Environmental Studies program uses a holistic approach and a framework of sustainability. This framework recognizes the necessity of meeting current resource needs without compromising the environment and the ability of future generations to meet their needs. The environmental studies major provides students with a degree and the skills to work across disciplines and to be competitive in the job market. Students will acquire a broad-based education in the physical, biological, and social sciences and develop competency in a specific discipline.Students may select a BS or BA track through the College of Arts and Sciences or a BS track through the College of Agricultural Sciences and Natural Resources. The degree program consists of four required components:1. Every major must complete the set of environmental studies core courses that provide breadth in the scientific and human dimensions of environmental issues and challenges (ENVR 201 and ENVR

- BIOS 220 Principles of Ecology (3 cr) & BIOS 222 Ecology Lab (1 cr) (Recommended)
- BIOS 232 Ecological Issues in the Great Plains (3 cr)
- BIOS 207 Ecology and Evolution (4 cr)

- Soil - SOIL 153 Soil Resources (4 cr)
- Climate - Select one cours from:

- NRES 104 Climate in Crisis (3 cr)
- METR 100 Weather & Climate (4 cr)
- METR 180 Environment, Energy & Climate Change (3 cr)
- NRES 208 Applied Climate Sciences (3 cr)

- *Earth Systems - Select one course from:*

- 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 109 Oceanography (3 cr)
- GEOL 120 Geology of National Parks (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)

- *Water - Select one course from:*

- ENVR 189H Humans, Water & the Environment (3 cr)
- WATS 281 Introduction to Water Science (3 cr)

- Geospatial Science - Select one course from:

- NRES 312 Introduction to Geospatial Information Sciences (3 cr)
- NRES 412 Introduction to Geographic Information Systems (4 cr)
- NRES 418 Introduction to Remote Sensing (4 cr)
- CRPL 433 GIS in Environmental Design and Planning

**HUMAN DIMENSIONS Electives (BS and BA Degrees)**
**Total Credit Hours: 12**

**Select two courses from two different departments (6 cr):**

**AECN 256 Legal Aspects in Agriculture (3 cr)**
**AECN 276 Rural Sociology (3 cr)**
**AECN 346 World Food Economics (3 cr)**
**AECN 357 Natural Resource & Environmental Law (3 cr)**
**AECN 376 Rural Community Economics (3 cr)**
**AECN 456 Environmental Law (3 cr)**

249). In addition, students will have the opportunity to interact and work with individuals and organizations involved in environmental issues within the community (ENVR 319).2. Students complete a set of general collateral course requirements in the natural sciences (biology, chemistry and physics), Earth systems, geospatial sciences, mathematics, statistics, and in the humanities and social sciences (Human Dimension). These requirements provide students the opportunity to explore Earth and Ecological Systems: Understand the structure, function, and interaction among Earth's four major spheres: land, water, living things, and air in the context of the physical, geological, and biological processes as well as human influences and their variability over space and time. These requirements also provide students with an opportunity to learn about the human dimensions of environmental challenges that involve law, politics, ethics, economics, historical setting, cultural diversity public policy, decision-making, and risk assessment at local to global scales with emphasis on environmentally sustainable development. In addition, students will use and apply relevant field, laboratory, geospatial, and social science research methods, tools and technologies to address environmental challenges in an ethical manner.3. After 52 hours of course work, majors are strongly encouraged to develop an individual course of study plan in collaboration with the environmental studies academic adviser and/or director that specifically defines an emphasis area that will provide depth in one of the following areas: anthropology, biology, chemistry, communication studies, english, geography, geology, meteorology-climatology, political science, psychology, or sociology (through the College of Arts and Sciences); or applied climate science, leadership and entrepreneurship, or natural resources (through the College of Agricultural Sciences and Natural Resources).4. After earning 88 credit hours, students must complete a "capstone" senior thesis (ENVR 499A and ENVR 499B) with permission of the program director and under the guidance of a faculty adviser with expertise in their chosen area of emphasis.The environmental studies program has a 1 credit hour internship course (ENVR 497) requirement which provides the opportunity to gain work experience in an off-campus setting related to a student's academic and career objectives. Advanced students are encouraged to explore this possibility with the adviser in their area of emphasis and with the Program Director.Students interested in majoring in environmental studies through the College of Arts and Sciences are advised to make an initial appointment with the program or academic adviser. Those interested in pursuing a natural resources emphasis or applied climate science emphasis should see the program director also.Once a student has selected an area of emphasis, advising regarding the emphasis will be done through the appropriate department. However, the

**AECN 457 Water Law (3 cr)**
**ALEC 125 Land, Food and People (3 cr)**
**ALEC 202 Leadership Development in Small Groups & Teams (3 cr)**
**ALEC 388 Ethics in Agriculture & Natural Resources (3 cr)**
**ALEC 393 Digital Imaging and Storytelling in Agriculture and Natural Resources (3-9 Cr)**
**ALEC 410 Environmental Leadership (3 cr)**
**ANTH 110 Introduction to Anthropology (3 cr)**
**ANTH 130 Anthropology of the Great Plains (3 cr)**
**ANTH 170 Introduction to Great Plains Studies (3 cr)**
**ANTH 212 Introduction to Cultural Anthropology (3 cr)**
**ANTH 261 Conflict & Conflict Resolution (POLS 261/SOCI 261/PSYC 261) (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)**
**BLAW 300 Business, Government and Society**
**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 Introduction to Public Discourse (3 cr)**
**COMM 283 Interpersonal Communication (3 cr)**
**COMM 334 Polls, Politics & Public Opinion (POLS 334) (3 cr)**
**COMM 365 Communication & Social Identity (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)**
**CYAF 460 Human Dimensions of Sustainability (3 cr)**
**ENSC 230 Energy & the Environment: Economics & Policy (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)**

program director will continue to be the student's degree adviser.Students interested in obtaining a minor in environmental studies needs to visit with the environmental studies academic adviser to establish a course of study plan that consists of course work relevant to students interests and goals.

# 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.*

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2a. Collateral Courses (BS Degree) Total Credit Hours: 37-40

**2a and 2b. NOTE: See Emphasis Area for Mathematics and Natural Sciences Requirements**

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Hours

**Earth Systems 13-15**

- SOIL 153 Soil Resources 4
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*Select one from:* 3-4

- NRES 104 Climate in Crisis (3 cr)
- METR 100 Weather & Climate (4 cr)
- METR 180 Environment, Energy & Climate Change (3 cr)
- NRES 208 Applied Climate Sciences (3 cr)

- *Select one from:* 3-4

- NRES 108 Earth's Natural Resource Systems Lab (3 cr)

**GEOG 361 Urban Geography (3 cr)**
**GEOG 406 Spatial & Environmental Influences in Social Systems (3 cr)**
**GEOG 447 Political Geography (3 cr)**
**MNGT 300 Management Essentials for Contemporary Organizations**
**NRES 111 Natural Resource Conservation in Society (3 cr)**
**NRES 260 Environmental Communication Skills**
**NRES 409 Human Dimensions of Natural Resources (3 cr)**
**NRES 423 Integrated Resources Management (3 cr)**
**NRES 475 Water Quality Strategy (3 cr)**
**PHIL 225 Environmental Ethics (3 cr)**
**POLS 104 Comparative Politics (3 cr)**
**POLS 130 News Literacy, The Public, & Politics (3 cr)**
**POLS 150 Introduction to Biology, Psychology, & Politics (3 cr)**
**POLS 160 International Relations (3 cr)**
**POLS 221 Politics in State & Local Governments (3 cr)**
**POLS 232 Public Issues in America (3 cr)**
**POLS 250 Genetics, Brains, & Politics (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 350 Issues in Biology, Psychology, & Politics (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)**
**PSYC 181 Introduction to Psychology (3 cr)**
**PSYC 288 The Psychology of Social Behavior (3 cr)**
**PSYC 330 Psychology of Diversity (3 cr)**
**SOCI 101 Introduction to Sociology (3 cr)**
**SOCI 446 Environmental Sociology (3 cr)**

**Select two courses from two different departments (6 cr):**

**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**

- ENSC 110 Energy in Perspective (3 cr)
- GEOL 101 Physical Geology (4 cr)
- GEOL 106 Environmental Geology (3 cr)
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- GEOL 125 Frontiers in Antarctic Geosciences (3 cr)
- GEOG 155 Elements of Physical Geography (4 cr)
- GEOG 181 Quality of the Environment (3 cr)

- *Select one from:* 3

- ENVR 189H Humans, Water & the Environment (3 cr)
- WATS 281 Introduction to Water Science (3 cr)

- Geospatial Science 3-4

*Select one from:*
GEOG 217 Mapping Science in the 21st Century (3 cr)GEOG 317 Cartography I: Introduction to Cartography (4 cr)
- NRES 312 Introduction to Geospatial Information Sciences (3 cr)
- NRES 412 Introduction to Geographic Information Systems (4 cr)
- NRES 418 Introduction to Remote Sensing (4 cr)
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**Statistics 3***Select from:***STAT 218** ***(or equivalent)*** **(3 cr)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.STAT 380 Statistics & Applications** ***(requires MATH 107)*** **(3 cr)**

**Human Dimensions 18***Select two from:* **6SOCI 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 & Law 3***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 Introduction to Great Plains Studies (3 cr)ANTH 212 Introduction to Cultural Anthropology (3 cr)ANTH 261 Conflict & Conflict Resolution (POLS 261/SOCI 261/PSYC 261) (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)AECN 357 Natural Resource & Environmental Law (3 cr)AECN 457 Water Law (3 cr)AECN 456 Resources (3 cr)**
**ENGL 317 Literature and the Environment (3 cr)**
**AECN 456 Environmental Law (3 cr)**
**AECN 457 Water Law (3 cr)**
**POLS 361 The United Nations and World Politics (3 cr)**
**POLS 367 Globalization and Human Rights (3 cr)**
**CRPL 300 The Community and the Future (3 cr)**
**CRPL 471 Environmental Impact Assessment (3 cr)**
**AGRO 435 Agroecology (3 cr)**
**NRES 434 Envronmental Education and Interpretation (3 cr)**
**ALEC 410 Environmental Leadership (3 cr)**

**ECONOMICS AND POLICY (BS and BA Degrees) Total Credit Hours: 6**

**Select course from: ECON 200 or ECON 211 or ECON 212 or AECN 141**
**Select one course from: NRES 323 or CRPL 470 or AECN 345 or AECN 346 or AECN 357**

**ANCILLARY COURSES (BA) Total Credit Hours: 16-21**

**Mathematics: MATH 102 or 103 or higher (2-5 cr)**
**Statistics: STAT 218 (or equivalent) (3 cr)**
**Biological Sciences: BIOS 101 & BIOS 101L or LIFE 120 & LIFE 120L (4 cr)**
**Chemistry: CHEM 105 or CHEM 109 or CHEM 113 (4 cr)**
**Physics: PHYS 115 or 141 or 151 (3-5 cr)**

**ANCILLARY COURSES (BS) Total Credit Hours: 30-34**

**Mathematics: MATH 106 or higher (4-5 cr)**
**Statistics: STAT 218 or STAT 380 or equivalent (3 cr)**
**Biological Sciences: LIFE 120 & LIFE 120L and LIFE 121 & LIFE 121L (8 cr)**
**Chemistry: CHEM 109 and CHEM 110 (or CHEM 113 and CHEM 114) (7-8 cr)**
**Physics: PHYS 141 and PHYS 142 or PHYS 211 and 212 (8-10 cr)**

**MINOR/PROGRAM EMPHASIS AREA REQUIRED**

Environmental Law (3 cr)COMM 365 Communication & Social Identity (3 cr)CYAF 460 Human Dimensions of Sustainability (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 Introduction to Biology, Psychology, & Politics (3 cr)POLS 250 Genetics, Brains, & Politics (3 cr)POLS 350 Issues in Biology, Psychology, & Politics (3 cr)PSYC 181 Introduction to Psychology (3 cr)PSYC 288 The Psychology of Social Behavior (3 cr)PSYC 330 Psychology of Diversity (3 cr)SOCI 101 Introduction to Sociology (3 cr)SOCI 446 Environmental Sociology (3 cr)Resource Management, Leadership and Politics 3*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 Introduction to Public Discourse (3 cr)COMM 283 Interpersonal Communication (3 cr)COMM 334 Polls, Politics & Public Opinion (POLS 334) (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 Comparative Politics (3 cr)POLS 130 News Literacy, The Public, & Politics (3 cr)POLS 160 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 6NRES 323 Natural Resources Policy or CRPL 470 Environmental

Environmental Studies majors must complete a Plan A minor or second major in one of the following areas:

Anthropology
Biological Sciences
Chemistry
Communication Studies
English
Geography
Geology
Meteorology/Climatology
Political Science
Psychology
Sociology

# ADDITIONAL MAJOR REQUIREMENTS

## Grade Rules

### C- and D Grades

Environmental studies majors must earn a "C" or "P" or higher in all major courses with the exception of ancillary courses.

### Pass/No Pass Limits

No major courses may be taken Pass/No Pass without permission of the department.

# REQUIREMENTS FOR MINOR OFFERED BY DEPARTMENT

- Minimum of 18 hours with 6 hours at 300 level or above are required.

**1. Required Environmental Studies Courses**

**Total Credit Hours 7**
ENVR 101 Environmental Studies Orientation 1
ENVR 201 Science, Systems, Environment & Sustainability 3
ENVR 249 Individual & Cultural Perspectives on the Environment 3

**2. Minimum of 11 hours will be selected for the**

Planning & Policy or AECN 357 Natural Resource & Environmental Law 3*Select from:* ECON 211 or ECON 212 or AECN 141 32b. Collateral Courses (BA Degree) Total Credit Hours: 40-43Same collateral courses as in 2a Human Dimensions plus an additional 3 credits from that list or select 3 credits from the area of Public Speaking and Education. This requirement is in addition to ACE 2.Public Speaking and Education 3*Select one from:*COMM 109 Fundamentals of Human CommunicationCOMM 209 Public SpeakingEDPS 250 Fundamentals of Child Development for EducationEDPS 251 Fundamentals of Adolescent Development for EducationALEC 305 Presentation Strategies for Agricultural AudiencesALEC 400 Overview to Program PlanningALEC 413 Program Development3. Emphasis Areas (BS or BA Degree)Anthropology – BAApplied Climate Science *(Only available through the College of Agricultural Sciences and Natural Resources)*Biological Sciences – BSChemistry – BSCommunication Studies – BA and BSEnglish – BAGeography – BA and BSGeology – BSMeteorology-Climatology – BSNatural Resources *(Only available through the College of Agricultural Sciences and Natural Resources)*Political Science – BA and BSPsychology – BA and BSSociology – BS and BASpecific Major RequirementsProgram 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 RequirementsAnthropology Emphasis (BA Degree) Total Credit Hours: 35-41Anthropology Emphasis Area Courses 18-19*Required:*ANTH 110 Introduction to Anthropology 3ANTH 473 Ecological Anthropology 3ANTH 482 Research Methods in Anthropology 3*Select one from:* 3ANTH 212 Introduction to Cultural Anthropology (3 cr)ANTH 232 Introduction to Prehistory (3 cr)ANTH 242 Introduction to Physical Anthropology (3 cr)*Select one from:* 3ANTH 374 Primate Behavior & Ecology (3 cr)ANTH 430 Nutritional Anthropology (3 cr)ANTH 474 Applied & Development Anthropology (3 cr)*Select one from:* 3ANTH 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 Applied Calculus (3

**course of study plan.**

**Natural Sciences**

*Select one from:*

BIOS 220 Principles of Ecology (3 cr)
BIOS 232 Ecological Issues in the Great Plains (3 cr)
NRES 270 Biological Invaders (3 cr)
ENTO 300 Toxins in the Environment (3 cr)

*Select one from:*

NRES 104 Climate in Crisis (3 cr)
METR 100 Weather & Climate (4 cr)
METR 180 Environment, Energy and Climate Chagne (3 cr)
NRES 208 Applied Climate Sciences (3 cr)
NRES 108 Earth's Natural Resource Systems Lab (3 cr)
ENSC 110 Energy in Perspective (3 cr)
GEOL 106 Environmental Geology (3 cr)
SOIL 153 Soil Resources (4 cr)
WATS 281 Introduction to Water Science (3 cr)

**Human Dimensions *(Select one course from two of the six areas)***

Area 1. Ethics

*Select from:*

PHIL 225 Environmental Ethics (3 cr)
ALEC 388 Ethics in Agriculture & Natural Resources (3 cr)

Area 2. Law

*Select from:*

AECN 357 Natural Resource & Environmental Law (3 cr)
AECN 457 Water Law (3 cr)
AECN 456 Environmental Law (3 cr)

Area 3. Resource Management

*Select from:*

NRES 423 Integrated Resources Management (3 cr)
CRPL 470 Environmental Planning & Policy (3 cr)
CRPL 471 Environmental Impact Assessment (3 cr)
NRES 475 Water Quality Strategy (3 cr)

Area 4. Leadership

*Select from:*

ALEC 410 Environmental Leadership (3 cr)
COMM 371 Communication in Negotiation & Conflict Resolution (3 cr)
ALEC 202 Leadership Development in Small Groups & Teams (3 cr)

Area 5. Cultural Perspectives

*Select from:*

SOCI 446 Environmental Sociology (3 cr)
ANTH 473 Ecological Anthropology (3 cr)
CYAF 460 Human Dimensions in Sustainability
NRES 409 Human Dimensions of Natural Resources

Area 6. Economics and Policy

cr)MATH 106 Calculus I (5 cr)Natural Sciences 14-17Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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 23-32Biological Sciences Emphasis (BS Degree) Total Credit Hours: 47-48Biological Sciences Emphasis Area Courses 24BIOS 205 Genetics, Molecular & Cellular Biology Lab 2BIOS 206 General Genetics 4BIOS 207 Ecology & Evolution 4LIFE 120 & LIFE 120L Fundamentals of Biology I & Lab 4LIFE 121 & LIFE 121L Fundamentals of Biology II & Lab 4Choose at least 6 credit hours of 300 or 400 level biology courses 6Mathematics 5*Select from:* MATH 106 Calculus I or MATH 106B Calculus I for Biology & MedicineNatural Sciences 18-19Chemistry 8-9*Select from:* 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 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 19-23Chemistry Emphasis (BS Degree) Total Credit Hours: 48-52Chemistry Emphasis Area Courses 21-24Required 9-12*Select one from:* CHEM 109 & CHEM 110 General Chemistry I & II & CHEM 221 Elementary Quantitative Analysis (12 cr)CHEM 113 & CHEM 114 Fundamental Chemistry I & II & CHEM 116 Quantitative Chemistry Lab (9 cr)Choose at least 12 additional credit hours of chemistry courses *(excluding CHEM 131, CHEM 195, CHEM 396 & CHEM 399)* 12Mathematics *(ACE 3)* 9MATH 106 Calculus I 5MATH 107 Calculus II 4Natural Sciences 17-18Biology 7-8*Select one from:* BIOS 101 & BIOS 101L General Biology & Lab (4 cr) or LIFE 120 & LIFE 120L Fundamentals of Biology I & Lab (4 cr)*Select one from:* BIOS 220 Principles of Ecology (3 cr) & BIOS 222 Ecology Lab (1 cr) *(Recommended)* 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

*Select from:*

NRES 323 Natural Resources Policy (3 cr)
ECON 211 Principles of Macroeconomics (3 cr)
AECN 141 Introduction to the Economics of Agriculture (3 cr)

221/PHYS 222) (10 cr)College Distribution Requirements, ACE Requirements + Free Electives 15-22Communication Studies Emphasis in Environmental Studies (BA degrees) Total Credit Hours: 35-40*Communication Studies Courses* 18Requirements 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 101 or COMM 201.One of: COMM 109, COMM 205, COMM 209, COMM 212, COMM 220, COMM 286, or COMM 295.A minimum of 9 hours must be taken in communication studies classes 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 101 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 Applied Calculus (3 cr)MATH 106 Calculus I (5 cr)Natural Sciences 14-17Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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)MYSM 109 Physical Principles in Agriculture (4 cr)College Distribution Requirements, ACE Requirements + Free Electives 21-29Communication Studies Emphasis in Environmental Studies (BS degree) Total Credit Hours: 43-45*Communication Studies Courses* 18Requirements 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 101 or COMM 201.One of: COMM 109, COMM 205, COMM 209, COMM 212, COMM 220, COMM 286, or COMM 295.A minimum of 9 hours must be taken in communication studies classes 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 101 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 5MATH 106 Calculus I (5 cr)Natural Sciences

20-22Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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)College Distribution Requirements, ACE Requirements + Free Electives 19-24English Emphasis in Environmental Studies (BA degrees) Total Credit Hours: 35-40English Courses 1818 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*Select from:*MATH 103 College Algebra & Trigonometry (5 cr)MATH 104 Applied Calculus (3 cr)MATH 106 Calculus I (5 cr)Natural Sciences 14-17Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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)MYSM 109 Physical Principles in Agriculture (4 cr)College Distribution Requirements, ACE Requirements + Free Electives 21-29Geography Emphasis (BA Degree) Total Credit Hours: 38-43Geography Emphasis Area Courses 21GEOG 181 Quality of the Environment 3A total of 18 credits with at least one course from A, B, and C 18A. Human GeographyGEOG 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 GeographyGEOG 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 TechniquesGEOG 317 Cartography I: Introduction to Cartography (4 cr)GEOG 412 Introduction to Geographic Information Systems (4 cr)GEOG 414 Quantitative Methods in Geography (3 cr)GEOG 418 Introduction 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 Applied Calculus (3 cr)MATH 106 Calculus I (5 cr)Natural Sciences 14-17Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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 21-29Geography Emphasis (BS Degree) Total Credit Hours: 46-48Geography *Emphasis Area Courses* 21GEOG 181 Quality of the Environment 3A total of 18 credits with at least one course from A, B, and C listed above (under the BA degree) 18Mathematics: 5MATH 106 Calculus I 5Natural Sciences 20-22Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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 19-24Geology Emphasis (BS degree) Total Credit Hours: 53-54Geology *Emphasis Area Courses* 22Requirements are the same as a minor in geology – 22 credits with only 8 credits at the 100 level.Mathematics 9MATH 106 Calculus I (5 cr)MATH 107 Calculus II (4 cr)Natural Sciences 21-22Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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 13-17Meteorology–Climatology Emphasis (BS Degree) Total Credit Hours: 49-51Requirements are the same as a minor for meteorology–climatology.Meteorology Emphasis (40 hrs)Meteorology Emphasis Area Courses 22METR 100 Weather & Climate 4METR 205 Introduction to Atmospheric Science 4METR 311 Dynamic Meteorology I 3METR 323 Physical Meteorology 4METR 341 Synoptic Meteorology 4Plus one METR class at the 400 level 3Mathematics 9MATH 106 Calculus I 5MATH 107 Calculus II 4Physics 9PHYS 211 & PHYS 212 General Physics I & II & Lab (PHYS 221) 9Climatology Emphasis (32 hrs)Climatology Emphasis Area Courses 23METR 100 Weather & Climate 4METR 205 Introduction to Atmospheric Science 4METR 370 Basic & Applied Climatology 3METR 475 Physical Climatology 3*Select 9 hours from:* 9NRES 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 5MATH 106 Calculus I 5Physics 5PHYS 211 & PHYS 221 General Physics I & Lab 5Natural Sciences 11-12NOTE: Applies to both Climatology and Meteorology Emphasis AreasBiology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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 16-21Political Science Emphasis in Environmental Studies (BA Degree) Total Credit Hours: 35-40Political Science Courses 18Requirements 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 Applied Calculus (3 cr)MATH 106

Calculus I (5 cr)Natural Sciences 14-17Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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 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 21-29Political Science Emphasis in Environmental Studies (BS Degree) Total Credit Hours: 43-45Political Science Courses 18Requirements are the same as a minor in Political Science – 18 credits including POLS 100 and at least one course at the 400 level.Mathematics 5MATH 106 Calculus I (5 cr)Natural Sciences 20-22Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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 19-24Sociology Emphasis (BA Degree) Total Credit Hours: 38-43Sociology Emphasis Area Courses 21Require 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 Applied Calculus (3 cr)MATH 106 Calculus I (5 cr)Natural Sciences 14-17Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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 21-29Psychology Emphasis in Environmental Studies (BA degrees) Total Credit Hours: 35-40Psychology Courses 18Requirements 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 Applied Calculus (3 cr)MATH 106 Calculus I (5 cr)Natural Sciences 14-17Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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)MYSM 109 Physical Principles in Agriculture (4 cr)College Distribution Requirements, ACE Requirements + Free Electives 21-29Psychology Emphasis in Environmental Studies (BS degrees) Total Credit Hours: 43-45Psychology Courses 18Requirements 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: 5MATH 106 Calculus I (5 cr)Natural Sciences 20-22Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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 General Physics I & Lab (PHYS 221) (5 cr)College Distribution Requirements, ACE Requirements + Free Electives 19-24Sociology

**Emphasis (BS Degree) Total Credit Hours: 46-48Sociology 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 5MATH 106 Calculus I 5Natural Sciences 20-22Biology 7-8*Select one from:* LIFE 120 & 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 Ecology Lab (1 cr) *(Recommended)* 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)College Distribution Requirements, ACE Requirements + Free Electives 19-24**

# 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.

# REQUIREMENTS FOR MINOR OFFERED BY DEPARTMENT

- Minimum of 18 hours with 6 hours at 300 level or above are required.

**1. Required Environmental Studies Courses**

**Total Credit Hours 7**
ENVR 101 Environmental Studies Orientation 1
ENVR 201 Science, Systems, Environment &

Item V. Recommendation from the College Curriculum & Advising Committee to approve the proposed changes to the major and minor in German.

and Spanish. For details, see the *Graduate Studies Bulletin*.

## MAJOR REQUIREMENTS

Specific

MajorRequirements

27 hours (of courses numbered 300 or above).
• Core: GERM 301, GERM 302, GERM 303, GERM 304, GERM 403
• 3 additional hours of elective GERM courses at 300 level or above (these may include
GERM classes offered in English)
• 6 additional hours of elective GERM courses at 400 level.
• 3 additional elective credit hours. These 3 hours may be from:
- a 300 or 400 level GERM class,
- a 300 or 400 level MODL class as approved by the undergraduate advisor.
- from a class with a German studies focus in English, History, Music, Political
Science, Philosophy, Art History, Theater as approved by the undergraduate
advisor. Specific classes that me be used to fulfill this requirement are:
AHIS 226 Northern Renaissance Art
AHIS 426 Northern Renaissance and Reformation Art
AHIS 498 Special Problems: German Film and art between the Wars
HIST 327 19th Century Germany
HIST 328 History of Germany, 1914-present
HIST 339 The Holocaust
HIST 421 The German Reformation (Cross-listed with German)
HIST 429 History of Fascism in Europe
MUSC 442 Great Composers
PHIL 333 History of Philosophy
PHIL 345 Modern European Jewish Philosophy
PHIL 471 Kant
POLS 371 The Politics of the European Union
(Classes in Film Studies offered through the Department of English are possiblein consultation with instructor and German Section
)

20 hours of courses numbered 300 or above including GERM 301, GERM 302, GERM 303 and GERM 304, and 6 hours at the 400 level.**Program Assessment.** In order to assist the department in evaluating the effectiveness of its programs, majors will be required to assemble and maintain a portfolio. In their junior year, majors will be assigned a faculty adviser who will inform students of the required contents of the portfolio, deadlines and procedures. By their senior year, majors will be required to complete a taped oral proficiency interview.Results of participation in this assessment activity will in no way affect a student's GPA or graduation.Minor RequirementsA

and Spanish. For details, see the *Graduate Studies Bulletin*.

## MAJOR REQUIREMENTS

Specific Major Requirements:

27 hours (of courses numbered 300 or above).
• Core: GERM 301, GERM 302, GERM 303, GERM 304, GERM 403
• 3 additional hours of elective GERM courses at 300 level or above (these may include
GERM classes offered in English)
• 6 additional hours of elective GERM courses at 400 level.
• 3 additional elective credit hours. These 3 hours may be from:
- a 300 or 400 level GERM class,
- a 300 or 400 level MODL class as approved by the undergraduate advisor.
- from a class with a German studies focus in English, History, Music, Political
Science, Philosophy, Art History, Theater as approved by the undergraduate
advisor. Specific classes that me be used to fulfill this requirement are:
AHIS 226 Northern Renaissance Art
AHIS 426 Northern Renaissance and Reformation Art
AHIS 498 Special Problems: German Film and art between the Wars
HIST 327 19th Century Germany
HIST 328 History of Germany, 1914-present
HIST 339 The Holocaust
HIST 421 The German Reformation (Cross-listed with German)
HIST 429 History of Fascism in Europe
MUSC 442 Great Composers
PHIL 333 History of Philosophy
PHIL 345 Modern European Jewish Philosophy
PHIL 471 Kant
POLS 371 The Politics of the European Union
(Classes in Film Studies offered through the Department of English are *possible in consultation with instructor and German Section.)*

**Program Assessment.** In order to assist the department in evaluating the effectiveness of its programs, majors will be required to assemble and maintain a portfolio. In their junior year, majors will be assigned a faculty adviser who will inform students of the required contents of the portfolio, deadlines and procedures. By their senior year, majors will be required to complete a taped oral proficiency interview.
Results of participation in this assessment activity will in no way affect a student's GPA or graduation.

## ADDITIONAL MAJOR REQUIREMENTS

minor is required and may be taken in any area.

# ADDITIONAL MAJOR REQUIREMENTS

## Grade Rules

### Pass/No Pass Limits

No courses in the department may be taken by students majoring or minoring in modern languages for Pass/No Pass credit.

# REQUIREMENTS FOR MINOR OFFERED BY DEPARTMENT

**Plan A.** 12 hours in one language at the 300 level or 400 level, including at least 6 hours from 301, 302, 303, 304, and 3 hours at the 400 level.

**Plan B.** 6 hours in one language, in courses numbered above 300, including at least 3 hours from 301, 302, 303, 304.

**Pass / No Pass.** No courses in the department may be taken by students majoring or minoring in modern languages for Pass/No Pass credit.


## Grade Rules

### Pass/No Pass Limits

No courses in the department may be taken by students majoring or minoring in modern languages for Pass/No Pass credit.

# REQUIREMENTS FOR MINOR OFFERED BY DEPARTMENT

**Plan A.** 12 hours in one language at the 300 level or 400 level, including at least 6 hours from 301, 302, 303, 304, and 3 hours at the 400 level.

**Pass / No Pass.** No courses in the department may be taken by students majoring or minoring in modern languages for Pass/No Pass credit.


## Justification

Updating bulletin section. Expanding the major by 6 hours with the option of taking a 3 hour class on a German studies related subject outside DMLL allows us to bring more breadth to the major without requiring additional resources. GERM 403 guarantees that majors will take an upper division class focused on solidifying language skills and expanding mastery of semantic and syntactic structures before graduating from the program. Adding an additional required 400 level class assures that majors take at least two upper division literature classes. In addition to this expanded breadth of content, students' writing, and speaking skills will improve with this additional requirement. All majors in MLL either have or are in the process of eliminating Plan B minors at the request of the college.

## Additional Information

**Most Recent Action** Dec 4, 2014 11:50:25 AM

**Submitter** Christina Brantner

Comments | Private Comments

| Who | When | What | Ed. |
|---|---|---|---|

Editorial ☐

Add Comment

Approval History

| Date | User | Approval Action | Decision |
|---|---|---|---|

Item VI. Recommendation from the College Curriculum & Advising Committee to approve the proposed new Informatics minor.

**QUICK POINTS**

COLLEGE: Arts and Sciences
MAJOR: NA
DEGREE(S) OFFERED: NA
HOURS REQUIRED: 18
MINOR AVAILABLE: Informatics
CHIEF ADVISOR: Matthew Waite

**DESCRIPTION (Content Box Heading):**

The Informatics minor is an interdisciplinary program that prepares students with core computational skill sets and competencies that allow them to solve problems within their chosen discipline or field. The program also builds interdisciplinary problem solving skills that are applicable and advantageous across academia and within industry. The minor's objectives are anchored around a set of core outcomes, such that students completing the minor will be able to:

1. Apply **computational thinking** to solve problems effectively and implement it using a programming language;
2. Apply **statistical** techniques to assess outcomes of empirical studies or experiments, and set up ***research designs*** to evaluate tools, techniques or hypotheses effectively;
3. Interact, use and manage **data** or **databases** and solve data-centric problems; or **organize, visualize, and communicate** digital data effectively and efficiently; or use **creative competencies** to generate creative solutions; and
4. Contribute one's expertise to the solution of **interdisciplinary** problems by effectively **collaborating and communicating** with those from other disciplines.

**ADMISSION (Content Box Heading): NA**

**MAJOR REQUIREMENTS (Content Box Heading): NA**

**ADDITIONAL MAJOR REQUIREMENTS (Content Box Heading): NA**

**REQUIREMENTS FOR MINOR OFFERED BY DEPARTMENT (Content Box Heading):**

**Minor Requirements:**

- 18 hours of course work with the following distribution
  - Three core courses (9 hours)
    - Introduction to Informatics (CSCE50)
    - Data Structures and Algorithms for Informatics (CSCE311)
    - Interdisciplinary Capstone (CSCE493A)
  - One course (3 hours) in Area 1: Computational Thinking and Programming
  - One course (3 hours) in Area 2: Statistical and Research Design
  - One course (3 hours) in Area 3 (Data Analysis and Database Techniques) or Area 4 (Visualization and Creative Thinking)
- Credits earned using the Pass/No Pass option do not count towards this minor.

- In order to ensure rigor, one of the electives must be at 300 or 400 level.
- Other courses, not listed as electives below, particular special topics courses, seminar courses, independent study courses or honors courses with a relevant topic may be applied toward the minor by permission of the Chief Advisor.

**Electives: (Examples, not complete)**

- **Area 1: Computational Thinking and Programming**
  - CSCE155A: Computer Science 1
  - CSCE155E: Computer Science 1: Systems Engineering Focus
  - CSCE155N: Computer Science 1: Engineering and Science Focus
  - CSCE155T: Computer Science 1: Informatics Focus
- **Area 2: Statistical and Research Design**
  - STAT218: Introduction to Statistics
  - STAT380/MATH380: Statistics and Applications
  - EDPS459: Statistical Methods
  - PSYC350: Research Methods and Data Analysis
  - SOCI206: Introduction to Social Research II
  - SOCI463/863: Quantitative Methods of Social Research I
- **Area 3: Data Analysis and Database Techniques**
  - CSCE413: Database Systems
  - CSCE471: Introduction to Bioinformatics
  - CSCE474: Introduction to Data Mining
  - CSCE478: Introduction to Machine Learning
  - STAT318: Introduction to Statistics II
  - JOUR407: Investigative and Computer-Assisted Reporting
- **Area 4: Visualization and Creative Thinking**
  - CSCE470: Computer Graphics
  - TMFD121: Visual Communication and Presentation
  - ARTP189H: University Honors Seminar; Topic: Creativity 101
  - ARTS 398 Special Topics III; Topic: Creating with the iPad
  - MUSC483: Music Technology: Advanced Techniques and Applications

**Others: NA**

**Justification, Rationale, and Administration of a Minor in Informatics:**

**Justification:**

The Informatics minor is designed to provide UNL students with core computational skill sets and competencies that will allow them to solve problems within their chosen discipline or field. The proposed minor will also build interdisciplinary problem solving skills that are applicable and advantageous across the academy and within industry. The goal of this minor is to provide students an opportunity to develop specialized expertise in the application of computational thinking and computational analysis to data-centric problems within their discipline. The minor's objectives are anchored around a set of core outcomes such that students completing the minor will be able to:

1. Apply **computational thinking** to solve problems effectively and implement it using a programming language;
2. Apply **statistical** techniques to assess outcomes of empirical studies or experiments, and set up ***research designs*** to evaluate tools, techniques or hypotheses effectively;
3. Interact, use and manage **data** or **databases** and solve data-centric problems; or **organize, visualize, and communicate** digital data effectively and efficiently; or use **creative competencies** to generate creative solutions to disciplinary and societal problems; and
4. Contribute one's expertise to the solution of **interdisciplinary** problems by effectively **collaborating and communicating** with those from other disciplines.

Note that the designation of the four areas is put in place to help assemble a diversified set of courses for each area as we grow the minor program. We anticipate that within each area, there will be courses of different disciplines and at different levels. For example, Area 4 now consists of upper division and lower division courses. We also anticipate that more courses will be added to each of these areas as the minor evolves to be more inclusive and campus-wide.

**Rationale:**

- The goal of this minor is to provide students an opportunity to develop specialized expertise in the application of computational thinking and computational analysis to data-centric problems within their discipline.
- We are witnessing an increasing need for skillsets or abilities to solve data-centric problems into today's job market and research programs. These problems often involve the application of computational thinking and computational analysis.
- We are also witnessing an increasing need for interdisciplinary teamwork experience and skillsets (communication, problem solving).
- A number of universities already offer informatics-like programs (e.g., University of Illinois at Urbana-Champaign (UIUC) Minor in Informatics program).
- Undergraduates interested in acquiring informatics-related skills often 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.
- Few undergraduate capstone experiences facilitate training or experience in interdisciplinary problem solving or teamwork.
- Current programs and departments do not serve these students well.

**Program Administration:**

- Informatics would constitute an interdisciplinary minor.
- The minor would draw on a variety of fields in the humanities, journalism, education, fine and performing arts, and computational sciences for elective credit.
- To ensure continuity, the proposed minor would have an advising team whose leadership will rotate—i.e., with a Chief Advisor on a two-year term. The advising team initially would consist of faculty representatives from the participating departments involved in

the design of the minor. The Chief Advisor would liaise with the advising officers of the College of Arts and Sciences.

- The current advising team consists of:
  - Leen-Kiat Soh (Computer Science and Engineering)
  - Matt Waite (Journalism)
  - Brian Moore (Music)
  - Duane Shell (Educational Psychology)
  - Elizabeth Ingraham (Arts and Art History)
  - Michael Burton (Textiles, Merchandising and Fashion Design)
  - Gary Kebbel (Journalism)
  - Matthew Jockers (English, Digital Humanities)
- The advising team would evaluate, vote on, and recommend courses to be included in the four areas of the minor.
- The advising team would also help liaise with the advising officers of participating colleges and departments to make recommendations and ensure that the curriculum is properly implemented.

**Advisory Board: Composition and Responsibilities**

An advisory board, consisting of faculty representatives from participating academic departments and stakeholders from the industry, will meet, once per year, to review and discuss the program.

Item VII. Recommendation from the College Curriculum & Advising Committee to approve the proposed changes to the minor in Sociology.

# MAJOR REQUIREMENTS

## Specific Major Requirements

- 30 hours, including SOCI 101, SOCI 205, SOCI 206, SOCI 355, and a significant research experience.

The research experience requirement may be met in any of the following ways: 1) SOCI 310A and SOCI 310B; 2) SOCI 495; 3) SOCI 399H; or 4) SOCI 396.

**Program Assessment.** In order to assist the department in evaluating the effectiveness of its programs, majors will be required to complete an exit survey during the course of the senior seminar. The instructor will inform the students of the scheduling and format of the survey.

Results of participation in these assessment activities will not affect a students GPA or graduation in any way.

# ADDITIONAL MAJOR REQUIREMENTS

## Grade Rules

### Pass/No Pass Limits

Students majoring in sociology may not take courses in the major for Pass/No Pass credit with the possible exceptions of independent study, 3 credit hours of field work in sociology, and hours in excess of those required for the major. Request forms are available in the Arts and Sciences Advising Center, 107 Oldfather Hall.

## Course Level Requirement

At least 12 hours must be taken at the 300 or 400 level.

## Extended Education, Independent Study Rules, Internship Credit Rules

No more than 6 hours total from internship and

Guidelines, available at 711 Oldfather Hall.

# MAJOR REQUIREMENTS

## Specific Major Requirements

- 30 hours, including SOCI 101, SOCI 205, SOCI 206, SOCI 355, and a significant research experience.

The research experience requirement may be met in any of the following ways: 1) SOCI 310A and SOCI 310B; 2) SOCI 495; 3) SOCI 399H; or 4) SOCI 396.

**Program Assessment.** In order to assist the department in evaluating the effectiveness of its programs, majors will be required to complete an exit survey during the course of the senior seminar. The instructor will inform the students of the scheduling and format of the survey.

Results of participation in these assessment activities will not affect a students GPA or graduation in any way.

# ADDITIONAL MAJOR REQUIREMENTS

## Grade Rules

### Pass/No Pass Limits

Students majoring in sociology may not take courses in the major for Pass/No Pass credit with the possible exceptions of independent study, 3 credit hours of field work in sociology, and hours in excess of those required for the major. Request forms are available in the Arts and Sciences Advising Center, 107 Oldfather Hall.

## Course Level Requirement

At least 12 hours must be taken at the 300 or 400 level.

## Extended Education, Independent Study Rules, Internship Credit Rules

independent study courses, SOCI 397 and SOCI 399, may be counted toward the major requirements in sociology.

## REQUIREMENTS FOR MINOR OFFERED BY DEPARTMENT

- 18 hours including SOCI 101. No more than 3 hours total from internship and independent study courses, SOCI 397 and SOCI 399, may be counted toward the minor requirements in sociology.

No more than 6 hours total from internship and independent study courses, SOCI 397 and SOCI 399, may be counted toward the major requirements in sociology.

## REQUIREMENTS FOR MINOR OFFERED BY DEPARTMENT

- 18 hours including SOCI 101 and a minimum of 6 hours at the 300/400 level. No more than 3 hours total from internship and independent study courses, SOCI 397 and SOCI 399, may be counted toward the minor requirements in sociology.

## Justification

Change to minor: We added "a minimum of 6 hours at the 300/400 level" in order to both enhance the minor as well as to communicate to students that they should be enrolling in upper-division courses.

## Additional Information

**Most Recent Action** Nov 4, 2014 10:16:50 AM
**Submitter** Lisa Kort-Butler

Comments | Private Comments

| Who | When | What | Ed. |
|---|---|---|---|

Editorial ☐

Add Comment

Approval History

| Date | User | Approval Action | Decision |
|---|---|---|---|
| 2014-10-15 | Mary Klucas | ASC Facilitator | Resubmit |
| 2014-10-17 | Lisa Kort-Butler | Submitter | Approve |
| 2014-10-20 | Mary Klucas | ASC Facilitator | Approve |
| 2014-10-20 | Brooke Glenn | Facilitator Approval | Approve |
| 2014-10-24 | Lisa Kort-Butler | Sociology | Approve |
| 2014-10-27 | Mary Klucas | ASC Received | Approve (to Agenda) |
| 2014-11-04 | Mary Klucas | ASC Agenda | Approve |

<--Prev -Edit- Next-->

Action: Finalize
--Decision-- Submit Decision as Finalize

Item VIII. Recommendation from the College Curriculum & Advising Committee to approve the proposed new Software Development minor.

**QUICK POINTS**

COLLEGE: Arts and Sciences
MAJOR: NA
DEGREE(S) OFFERED: NA
HOURS REQUIRED: 18
MINOR AVAILABLE: Software Development
CHIEF ADVISORS: Charles Riedesel and Christopher Bourke

**DESCRIPTION (Content Box Heading):**

Software Development minor prepares students with skill sets to enable them to meet the growing demand for familiarity and competency with software development. The minor is designed to:

- enable students from a *diverse* set of majors and backgrounds to participate; and
- provide a *strong foundation* in software development to allow them to apply computing throughout their career.

The minor consists of a sequence of 6 required courses. The minor's objectives are anchored around a set of core outcomes, such that students completing the minor will be able to:

- Apply **sound software development principles and methodologies** to create software systems that solve real-world problems in various disciplines.
- Interact, use and manage **large data sets** and solve data-centric problems; **organize, visualize, and communicate** digital data effectively and efficiently; and use **creative competencies** to generate creative solutions.
- Understand the **roles of various stake-holders** in software development projects including domain experts, project managers, customers, and developers.
- Contribute one's expertise to the solution of problems by effectively **collaborating and communicating** with other stake-holders in software development projects.

**ADMISSION (Content Box Heading): NA**

**MAJOR REQUIREMENTS (Content Box Heading): NA**

**ADDITIONAL MAJOR REQUIREMENTS (Content Box Heading): NA**

**REQUIREMENTS FOR MINOR OFFERED BY DEPARTMENT (Content Box Heading):**

**Minor Requirements:**

- 18 hours of course work taken in the following order:
    1. CSCE 120: Learning To Code (3 hrs)
    2. CSCE 220: Software Development for Smart-Mobile Systems (3 hrs)

3. CSCE 320: Data Analysis (3 hrs)
4. CSCE 464: Internet Programming (3 hrs)
5. CSCE 493: Innovation Lab (6 hrs)

- A course taken to meet the requirement of a Major cannot be counted towards this minor.
- Credits earned using the Pass/No Pass option do not count towards this minor.
- This minor is not open to Computer Science or Computer Engineering majors.

**Others: NA**

**Justification, Rationale, and Administration of a Minor in Software Development:**

**Justification:**
The past decades have witnessed a remarkable transition in how widely computing is applied across many domains of human activity. As the uses of computing spread, it becomes increasingly important for people from diverse backgrounds to be trained in the key concepts underlying software-intensive systems. As clearly voiced by a wide variety of industry stakeholders, the traditional approaches taken by most CS or CE departments of producing a small workforce of highly skilled computing experts is no longer sufficient to meet the growing demand for familiarity and competency with software development broadly across the work force. As the core body of knowledge surrounding software has stabilized, this creates an opportunity for CSE to develop a novel focused curriculum to ***cross-train domain experts in the key principles and practices of software development***.

**Rationale:**
- The goal of this minor is to provide students an opportunity to acquire the necessary skills and knowledge to become competent software developers.
- This minor leverages the existing strength of the Software Engineering Research group in CSE to develop modern and practical curriculum for this minor.
- We are witnessing an increasing need for skillsets or abilities to solve data-centric problems into today's job market and research programs. These problems often involve the application of computing in discipline-specific ways.
- We are also witnessing an increasing need for interdisciplinary teamwork experience and skillsets (communication, problem solving) in today's workforce. This minor will equip students with the necessary skillsets to compete and work in this workforce.
- Few undergraduate capstone experiences facilitate training or experience in creating software systems for external customers. This minor will provide that valuable experience to better prepare students to transition into the workforce.

**Program Administration:**
- This minor will be administered by the Department of Computer Science and Engineering (CSE). CSE faculty currently include:

- **Professors:** Deogun, Dwyer, Elbaum, Goddard, Jiang, Ramamurthy, Reichenbach, Revesz, Rothermel, Samal, Seth (emeritus), Sincovec (emeritus), Surkan (emeritus)
- **Associate Professors:** Choueiry, Cohen, Costello (emeritus), Lu, Scott, Soh, Srisa-an, Variyam, Vuran, Xu
- **Assistant Professors:** Cui, Detweiler, Pierobon, Sarma, Yu
- **Research Associate Professor:** Swanson
- **Research Assistant Professors:** Bockelman, Tian
- **Assistant Professor of Practice:** Bourke, Hasan, Riedesel
- **Lecturers:** Patrick, Suing

- Resources provided by the SVAA office will support hiring of additional faculty and TA to provide unique and innovative classroom experience for the students.
- The capstone portion of this minor will be offered through the Innovation Lab, which is a joint effort between CSE and Raikes School.
- The proposed minor would have a Chief Advisor (on a two-year term) in conjunction with an advising team. The Chief Advisor would liaise with the advising officers of the College of Arts and Sciences. The team will also help liaise with the advising officers of participating colleges (e.g., CBA) and departments to make recommendations and ensure that the curriculum is properly implemented.
- CSE will also form an Advisory Board that include instructors of these required courses, Innovation Lab's Director, CSE Department Chair, Curriculum Committee Chair, and members from the existing CSE Industry Advisory Panel to evaluate the program on a yearly basis.

Item IX. Recommendation from the College Curriculum & Advising Committee to approve the elimination the major in Speech Language Pathology & Audiology in the college.

UNIVERSITY OF Nebraska Lincoln
COLLEGE OF EDUCATION AND HUMAN SCIENCES
Office of the Dean

Dr. Deborah Minter
Associate Dean for Undergraduate Education
College of Arts and Sciences
1223 Oldfather Hall
0312

November 17, 2014

I am following up on our meeting on October 15, 2014 with Dr. Sherri Jones during which we discussed eliminating the Arts & Sciences major in Speech Pathology and Audiology while retaining the College of Education and Human Sciences major in Speech Pathology and Audiology. We are proposing this action for the following reasons:

- Both majors in Speech Pathology and Audiology (in A&S and in CEHS) are administered by the same department (Special Education and Communication Disorders) which is a CEHS department.
- Currently, maintaining two college paths through this major requires that the SECD department maintain two kinds of advising materials and knowledge of two colleges' degree requirements.
- CEHS students, given the track they follow through the major, are then qualified and credentialed for the widest range of employment options possible (including school placements).

If this action is approved by both colleges and through the university-wide curriculum action procedures, we would finish out those few A&S students who have currently declared in this major, but we would not admit new students into the A&S major.

Thank you for all of your assistance, Deb, and for helping us figure out the best way forward.

Sincerely,

Beth Doll, Ph.D.
Associate Dean for Academic Affairs

233 Mabel Lee Hall / P.O. Box 880234 / Lincoln, NE 68588-0234 / (402) 472-2913 / FAX (402) 472-0522

Item X. Discussion regarding changes to the Bylaws for the college.

**Proposed Changes Highlighted in BOLD**

# The Bylaws of the College

In accordance with the Bylaws of the Board of Regents of the University of Nebraska, the College of Arts and Sciences adopted its own Bylaws. They are as follows:

## College of Arts and Sciences Bylaws of the Faculty

Adopted December 3, 1971 and including changes adopted through January 29, 2008.

The name of the organization shall be the Faculty of the College of Arts and Sciences, University of Nebraska-Lincoln, hereinafter referred to as the Faculty.

### I. Powers

Within the limits established by the Bylaws and Rules of the Board of Regents of the University of Nebraska, the Faculty shall:

A. establish rules for the conduct of its business and approve or disapprove proposals for changes in the bylaws;
B. establish committees for the conduct of Faculty business and assign functions and responsibilities to them;
C. set entrance requirements to the College and requirements for degrees; approve or disapprove the establishment of programs for majors and minors and of courses to be offered for credit in the College; determine scholastic standards to be met by students in the College; establish procedures for probation, dismissal, reinstatement, and other measures related to the maintenance of academic standards; and establish other rules concerning curricula, instructional programs, and grading regulations;
D. consider other business brought before it by the Dean, the Executive Committee, the Faculty, or other authorized persons according to procedures outlined in these bylaws;
E. and consider other items of broad interest to the welfare of the Faculty.

### II. Members

Section 1. The Faculty shall consist of all full-time or part-time members holding the rank of Assistant Professor, Associate Professor, Professor, Assistant Professor of Practice, Associate Professor of Practice, or Professor of Practice. In what follows, all references to Assistant Professor, Associate Professor and Professor include both the tenure track ranks and the corresponding Practice ranks.

Section 2. Faculty members in other colleges shall not be members unless specifically authorized by action of the Faculty of Arts and Sciences.

### III. Officers

Section 1. The Dean of the College of Arts and Sciences or the Dean's representative shall preside at meetings of the Faculty, except that, in the absence of the Dean or the Dean's representative, the Faculty shall elect a president pro tem.

Section 2. The Secretary shall be elected during the first meeting of the academic year and shall serve for a two-year term.

Section 3. The Dean shall appoint a parliamentarian at the first meeting of each academic year.

IV. Meetings

Section 1. There shall be a minimum of two meetings each year, including one in the first semester and one in April or May.

Section 2. A meeting may be called in any one of the following ways:

A. by the Dean
B. by the Executive Committee
C. by written request of at least 25 members.

Section 3. Notifications of the meetings and copies of the agenda shall normally be sent to the Faculty one week in advance.

Section 4. Items shall be placed on the agenda in any of the following ways:

A. by the Dean
B. by the Executive Committee
C. by 10 or more members of the Faculty who shall submit the item in writing to the Executive Committee
D. by action from the floor, provided that no substantive matter is voted on during the same meeting.

Section 5. A quorum shall consist of **40** members of the Faculty**. If a quorum is not present by the assigned meeting time the meeting will be adjourned. A second meeting, with the same agenda, will be convened 10 minutes later with a quorum requirement of 10 members of the Faculty.**

Section 6. A motion to refer to a ballot of the Faculty shall be in order after the call for the question but before the vote is taken on any substantive matter before the Faculty, and it shall be adopted providing 25 percent of the members present favor such a motion. A substantive matter shall be taken as being confined to main motions. A summary of the arguments on the motion, pro and con, which were presented at the Faculty meeting and which are germane to the issue shall be prepared by the Secretary and sent, along with the ballot, to each member of the Faculty.

Section 7. All elections, including ballots, shall be decided by majority vote of all members voting. If a majority is not reached on the first ballot, a second balloting of the two candidates receiving the highest number of votes shall be held.

Section 8. The agenda of each meeting of the Faculty will be sent to the Arts and Sciences Student Advisory Board and that body may designate representatives from its membership to participate in the meeting, without voting privileges.

V. Standing Committees: The Executive Committee, The Promotion and Tenure Committee, The Student Advisory Board

Section 1. Executive Committee

A. The Executive Committee shall consist of the Dean of the College of Arts and Sciences, the Associate Deans and eight faculty members, five elected and three appointed. The elected and appointed faculty members shall be chosen from the full-time tenured or tenure-track faculty. One member shall be chosen from Social Sciences; two members shall be chosen from the Sciences; one member shall be chosen from the Humanities; one member shall be chosen from the Social Sciences or Humanities, alternating between the two areas in alternate elections. The elected members will be chosen by a ballot and the other members will be appointed by the Dean. Election shall be for staggered terms of two years. No elected member of the Executive Committee may succeed himself or herself if that member has served two years; the same department or school may not be represented on the Executive Committee by two elected members concurrently. To ensure representation of interdisciplinary interests in the college, if each elected faculty member is appointed in a single department or program only, then at least one of the faculty members appointed by the Dean will have appointments in multiple departments or programs.

B. The College is apportioned into three areas for purposes of representation on committees:

| Area I<br>Social Sciences | Area II<br>Humanities | Area III<br>Sciences |
|---|---|---|
| Anthropology | Classics & Religious Studies | Biological Sciences |
| Communication Studies | English | Chemistry |
| Geography | History | Computer Science & Engineering |
| Political Science | Modern Languages & Literatures | Earth & Atmospheric Sciences |
| Psychology | Philosophy | Mathematics |
| Sociology | | Physics & Astronomy |
| | | Statistics |

C. Nominations to fill vacancies shall be made as follows: During the second semester, the College shall provide each member of the Faculty with a list of the members in each group eligible for nomination. For nomination, a member of the Faculty must hold an appointment of 50 percent or more on the budget of the College of Arts and Sciences.

The Faculty shall then nominate by secret ballot, from among the eligible members in each group, two times the number of representatives to be elected. For each position to be filled from the membership of a group, each member of the Faculty may name two persons bearing in mind that not more than one member of a voting unit shall serve on any particular elected committee. The eligible members who receive the highest number of nominating votes shall be advised thereof by the Dean prior to the preparation of the ballots for the election

of the committee members. In the absence of their dissent in writing submitted to the Dean, they shall be nominated as candidates for the respective positions on the committees. If a person elects not to be a nominee, that place on the election ballot shall be filled by the person receiving the highest number of nominating votes of those not otherwise nominated and who is willing to be a candidate. In case of ties, the nominee will be determined by lot.

D. The Executive Committee shall meet on a frequent and regular basis to discuss issues involving the business and general welfare of the College and to advise the Dean on these matters. All matters discussed within the committee will be confidential but brief minutes of meetings will be distributed. The agenda of the committee shall be set jointly by the Dean and the committee. Ordinarily the Dean shall consult the committee on at least the following:
   1. Academic program reviews, and major problems in departments, schools, centers or programs between reviews.
   2. General policy governing the review of chairs and directors
   3. Major items of budget policy falling within the jurisdiction of the Dean.
   4. Major changes in the organization of the College and in collegiate administrative policy.
   5. Matters of policy regarding the professional welfare of faculty, staff and students.
   6. Proposals for the establishment or elimination of programs, schools, centers or departments.
   7. Faculty line allocation.
   8. **Seek and recommend nominations for election of members of the College Promotion and Tenure Committee.**

   In addition the committee shall discuss such other business as may be assigned to it, except that it shall not assume or be asked to assume authority on any matter clearly delegated elsewhere. The committee shall advise the Dean regarding the referral of any problems and responsibilities to an appropriate committee, when such matters are not clearly within the province of any committee.

E. The Dean shall be the chairperson of the Executive Committee.

F. The terms of new committee members will commence with the beginning of the Fall Semester, except that the Dean may call upon them during the preceding summer as circumstances warrant.

G. **Selected members of the Executive Committee may be called upon to serve on ad hoc review committees for faculty awards, incentive grants, and related activities. Additional ad hoc committee members, including student representation where appropriate, will be selected as needed to insure proper committee representation**.

Section 2. Promotion and Tenure Committee

A. The Promotion and Tenure Committee shall consist of the Dean of the College of Arts and Sciences, one Arts and Sciences Assistant or Associate Dean (appointed by the Dean), and **six** members elected by the faculty in a ballot. Elected members shall be chosen from the full-time tenured professorial faculty. **Two** members shall be chosen from **each of the** Social Sciences, the Sciences, and the Humanities. At the time of election, at least **four** shall be full professors. **The Executive Committee will be encouraged to include some Associate Professor candidates on election ballots.** Persons serving on the Promotion and Tenure Committee shall not be chairpersons, directors, or vice-chairpersons/

directors. Election shall be for staggered terms of **three** years. No elected member of the Promotion and Tenure Committee may succeed himself or herself if that member has served two years or more; the same department or school may not be represented on the Promotion and Tenure Committee two terms in succession or by two elected members concurrently.

B. The College is apportioned into three areas for purposes of representation on committees:

| Area I<br>Social Sciences | Area II<br>Humanities | Area III<br>Sciences |
|---|---|---|
| Anthropology | Classics & Religious Studies | Biological Sciences |
| Communication Studies | English | Chemistry |
| Geography | History | Computer Science & Engineering |
| Political Science | Modern Languages & Literatures | Earth & Atmospheric Sciences |
| Psychology | Philosophy | Mathematics |
| Sociology | | Physics & Astronomy |
| | | Statistics |

C. Nominations to fill vacancies shall be made as follows:
   1. At least two nominations for each vacancy shall be submitted by the **Executive** Committee and must be in the hands of the Secretary of the Faculty at least four weeks before the last regular meeting of the Faculty in the second semester of each academic year.
   2. Nominations may also be made by members of the Faculty. They must be in writing and supported by the signatures of at least five members of the Faculty. Such written nominations must be received by the Secretary at least two weeks prior to the last regular meeting of the Faculty in the second semester of each academic year.
   3. Temporary vacancies, such as those created by leaves of absence, shall be filled for the duration of the vacancy by appointment of the Dean with the concurrence of the Promotion and Tenure Committee. Other vacancies occurring, except those by expiration of term, shall be filled by the Faculty at its next regular election. Pending the election, the position shall be filled by appointment by the Dean with concurrence of the Promotion and Tenure Committee.

D. The Promotion and Tenure Committee shall meet to discuss and act upon issues involving the promotion and tenure of faculty and to consider recommendations for tenure and promotion in rank.

E. The senior (in years of service) elected member of the Committee shall act as chairperson. Either the Dean or the senior elected member may convene the Committee.

F. The terms of new committee members will commence with the beginning of the Fall Semester, except that the Dean may call upon them during the preceding summer as circumstances warrant.

Section 3. The Student Advisory Board

A. The Student Advisory Board consists of student members elected by students enrolled in the College of Arts and Sciences.
B. Election of members is conducted by ASUN in accordance with the regular procedures of that organization and in accordance with the provisions of the ASUN-approved constitution of the Student Advisory Board.
C. The Student Advisory Board acts in an advisory capacity to the Dean. The Dean or the Dean's representative shall meet at intervals with the Student Advisory Board.

## VI. Other Standing Committees

Section 1. All other Standing Committees will be established, modified, or terminated, as needed, by the Faculty by majority vote of those present and voting. The Faculty shall prescribe the responsibilities and method of selection of such committees. Each Standing Committee shall report to the Faculty at least once a year. The terms of new committee members will commence with the beginning of the Fall Semester, except that the Dean may call upon them during the preceding summer as circumstances warrant.

Section 2. The Dean shall be responsible for maintaining a current description, including the method of selection and responsibilities, of such committees, as approved by the Faculty.

## VII. Parliamentary Authority

Except when otherwise provided in these bylaws, all procedures shall be in accord with Robert's Rules of Order, latest revised edition.

## VIII. Amendment of the Bylaws

Section 1. A motion to change the bylaws of the Faculty requires a vote of two-thirds of the members voting.

Section 2. A vote on a motion to change the bylaws shall be taken, not at the meeting at which it was introduced, and not later than at the next following meeting.

## IX. Description of Standing Committees

Section 1. The Committee on Student Academic Distinction, Awards and Appeals

A. This Committee shall consist of a coordinator, five faculty members, one graduate student instructor or graduate teaching assistant in the College appointed by the Dean, and two undergraduate students selected by the Student Advisory Board.
B. The members shall be appointed by the Dean upon the advice of the Executive Committee, and shall be chosen from the areas of the College as described in

Article V.1 A and B with no department represented by two members concurrently.

C. The faculty members shall serve for three-year terms on a staggered basis. The student members shall serve one-year terms.

D. Faculty vacancies on the committee will be filled by appointment by the Dean upon the recommendation of the Executive Committee.

E. Faculty members of the Committee shall decide, within the general criteria set by the Faculty, which degrees shall be awarded with Distinction, High Distinction, or Highest Distinction, and present its recommendations to the Dean. Faculty members of the Committee shall select students to be nominated by the College for scholarships, fellowships, and awards.

F. The Committee shall function as the final appeal committee from the departmental grading appeals committees. It shall perform functions of conciliation as well as judgment of the cases coming before it, and shall adopt a set of rules, procedures, and standards for the judgment of cases.

Section 2. The Curriculum and Advising Committee

A. This Committee shall consist of nine voting members as follows:
   1. Five elected faculty members, serving staggered three-year terms, and representing the areas as described in Article V, Section 1A and B. These members shall report back to and confer with the areas they represent.
   2. Two undergraduate students in this College, serving one-year terms and chosen by the Student Advisory Board. No department may have more than one student member on the Committee simultaneously, unless approved by the Committee.
   3. A voting Executive Secretary appointed by the Dean with advice from the Executive Committee. Normally, an Assistant or Associate Dean will be Executive Secretary of the Curriculum and Advising Committee. The Executive Secretary shall distribute the agenda and minutes to chairpersons of all departments.
   4. The Arts & Sciences Assistant Dean for Advising Services.

B. In addition, the Committee shall have as a non-voting member one faculty or professional adviser from the College, serving a one-year term and chosen by the Dean in consultation with the **Director of the Arts & Sciences Academic & Career Advising Center.**

C. The five faculty members shall be elected by the members of their own area. At least two nominations for each vacancy shall be submitted to the Faculty by the Curriculum and Advising Committee, at least four weeks before the last regular meeting of the Faculty in the second semester of each academic year. Nominations may also be made by members of the Faculty. They must be in writing and supported by the signatures of at least five members of the Faculty. Such written nominations must be received by the Executive Secretary of the Curriculum and Advising Committee two weeks prior to the last regular meeting of the Faculty in the second semester of each academic year. Faculty members elected to the Committee shall have been full-time faculty members in this College at the rank of assistant professor, or higher, for at least two years prior to selection. Chairpersons and directors are not eligible, although vice-chairpersons/directors may be selected. Committee members may not succeed themselves, nor may a single department be represented on the Committee two terms in succession. Temporary vacancies, such as those created by leaves of

absence, shall be filled for the duration of the vacancy by appointment of the Dean with the concurrence of the Executive Committee. Other vacancies shall be filled by election of the Faculty of the area. Pending the election, the position shall be filled by appointment of the Dean with the concurrence of the Executive Committee. If a person selected to fill an unexpired term serves less than one-half the normal three-year term, that person or the department is still eligible for election to a full three-year term.

D. The responsibilities of the Curriculum and Advising Committee (or its designee) shall be as follows:
   1. To approve additions, deletions, and revisions of courses and to determine their applicability toward degree requirements.
   2. To approve non-substantive changes regarding major and minor requirements and to make recommendations to the Faculty regarding substantive changes in major and minor requirements.
   3. To make recommendations to the Faculty regarding substantive changes in degree requirements within the College and to interpret these requirements in cases of uncertainty.
   4. To make recommendations to the Dean and the Faculty to improve the quality of advising in the College.
   5. To encourage the improvement of curricular programs within the College.
   6. To serve, with the Executive Committee, as the overall academic planning group for the College.
   7. To concern itself with the quality of instruction within the College and to promote its excellence.
   8. To establish a subcommittee on Special Student Requests to consider independent petitions of a non-routine nature referred to it by the Dean's Office for student academic programs such as the waiving of College-wide academic requirements. The subcommittee may have members who are not on the Curriculum and Advising Committee.
   9. To try to insure that courses are accurately described in the Bulletin of the College.
   10. To present at the appropriate time to the Faculty for its vote nominees for membership on the Academic Senate Committee on Committees.

E. In considering curricular and advising matters, the Committee's concerns shall include student need, duplication of courses and services, intellectual content of the curriculum, and relationships with other College and University programs.

Section 3. The Assessment Committee

A. This Committee shall consist of **five** voting members as follows:
   1. **Four** appointed faculty members, serving staggered three-year terms, with three members chosen from areas of the College as described in Article V.1 A and B**, and one member from an interdisciplinary program.** No department or interdepartmental program shall be represented by two members concurrently. Chair persons and directors are not eligible.
   2. One representative from the Dean’s staff, ordinarily an Associate Dean. The representative from the Dean’s staff will act as voting Executive Secretary, appointed by the Dean with advice from the Executive Committee.

B. Faculty vacancies on the committee will be filled by appointment by the Dean upon the recommendation of the Executive Committee.

College of Arts and Sciences
College Meeting December 11, 2014

## Summary of major changes proposed in College Bylaws

1. Quorum Rules (Bylaws: IV. Section 5)

   A quorum shall consist of 40 members of the Faculty. If a quorum is not present by the assigned meeting time the meeting will be adjourned. A second meeting, with the same agenda, will be convened 10 minutes later with a quorum requirement of 10 members of the Faculty.

2. Deleted Arts & Sciences Council

   It was defined as the deans, the chairs & directors, and the members of the Executive Committee. This body has not met, nor functioned, as described.

3. Deleted the Faculty Instructional Development Committee

4. Size and composition of the Assessment Committee (Bylaws: IX. Section 3)

   Modified committee membership, smaller size to make more efficient.

5. Modified representation on the Promotion and Tenure committee (Bylaws: V., Section 2)

   Propose to create a balanced composition of two committee members from each of the major disciplinary groups in the college; Sciences, Social Sciences, Humanities. Insures at least some disciplinary group expertise when one member excused for conflict.

## Minor changes proposed

6. Executive Committee Responsibilities

   - Seek and recommend nominations for election of members of the College Promotion and Tenure Committee.

   - Selected members of the Executive Committee may be called upon to serve on ad hoc review committees for faculty awards, incentive grants, and related activities. Additional ad hoc committee members, including student representation where appropriate, will be selected as needed to insure proper committee representation.

7. Dropped requirement that ballots be mailed