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April 22, 2010

Council on Academic Affairs

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Agenda for the April 22, 2010 CAA Meeting

- Items approved:** 10-66, EIU 2919, Strategies for Academic Success (Revised Course)
10-67, Academic Probation Policy (Revised Policy)
10-70, MUS 0203, Eastern Symphonic Band (New Course)
10-71, BIO 3003G, An Introduction to Evolution (New Course)
10-72, ESC 1500G, Introduction to Physical Geography and Earth Systems Science (New Course)
10-73, GEL 2100, Geology of Energy Resources (New Course)
10-74, GEL 3085, Vertebrate Paleoenvironments and Paleocology (New Course)
10-75, GEL 3115, Introduction to Paleoclimate (New Course)
10-76, Geography (Revised Major)
10-77, Geology (Revised Major)
- Items Pending:** 10-68, HON 4555, Honors Research (New Course)
10-69, HON 4644, Honors Thesis (New Course)
10-78, AET 3414, Selection and Management of Applied Engineering Projects (New Course)
Ad Hoc Committee on Integrative Learning (Ongoing)
- Item Withdrawn:** 09-13, Proposal to Add a New Requirement for Graduation: Writing-Intensive and/or Writing Centered Course Completion
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**Council on Academic Affairs
Minutes
April 22, 2010**

The April 22, 2010 meeting of the Council on Academic Affairs was held at 2:00 p.m. in Room 4440, Booth Library.

Members Present: Dr. Bower, Dr. Campbell, Ms. Green, Dr. Hendrickson, Mr. Lambert, Dr. Mitchell, Mr. Pickham, Dr. Reid, Ms. Ruholl, Dr. Shelton, Dr. Sterling, and Dr. White.

Members Absent: None.

Staff Present: Provost Lord, Dr. Herrington-Perry, and Ms. Fopay.

Guests Present: Dr. Allen, Music; Ms. Boyer, Student Success Center; Dr. Borzi, Communication Studies; Dr. Bulla, Biological Sciences; Dr. Burns, Geology/Geography; Dr. Carlswald, Biological Sciences; Dr. Coit, History and Faculty Senate; Dr. Daniels, Music; Ms. Harvey, Office of the Registrar; Dr. Daniel Johnson, Biological Sciences; Dr. Katie Johnson, Geology/Geography; Dr. Laingen, Geology/Geography; Ms. Levine, Biological Sciences; Ms. Lynch, College of Sciences; Ms. Mikell, Student Success Center; Dr. Owen, Kinesiology & Sports Studies; Dr. Sanders, Center for Academic Support & Achievement; Dr. Stimac, Geology/Geography; and Dr. Stowell, Psychology.

I. Program Review Presentation

1. B.S. in Clinical Laboratory Science

Ms. Pam Levine gave a Power Point presentation of the B.S. in Clinical Laboratory Science program addressing questions listed on the document "Questions to Guide CAA's IBHE Program Review Discussion." In addition, she distributed a handout and answered questions of the council.

II. Approval of the April 1, 2010 CAA Meeting Minutes.

Dr. Bower moved and Dr. Reid seconded the motion to approve the minutes. The minutes of April 1, 2010 were approved as written.

III. Approval of the April 14-15, 2010 CAA Electronic Meeting Minutes.

The minutes of April 14-15, 2010 electronic meeting were approved as written.

IV. Communications:

a. Curriculum Committee Meeting Minutes:

1. Minutes of the January 28, 2010 Honors Council meeting.
2. Minutes of the February 25, 2010 Honors Council meeting.
3. Minutes of the March 5, 2010 International Educational Council meeting.
4. Minutes of the April 7, 2010 College of Arts & Humanities Curriculum Committee meeting.
5. Minutes of the April 9, 2010 College of Sciences Curriculum Committee meeting.
6. Minutes of the April 12, 2010 Lumpkin College of Business & Applied Sciences Curriculum Committee meeting.

b. Waiver Reports:

1. Academic Waiver Reports for March 2010 from the Lumpkin College of Business & Applied Sciences, College of Arts & Humanities, College of Education & Professional Studies, and College of Sciences.

c. Executive Action Requests:

1. April 9, 2010 memorandum from Dean Hanner, COS, requesting executive action to revise the prerequisites for BIO 3624.
2. April 9, 2010 memorandum from Dean Hanner, COS, requesting executive action to change the prerequisites for ECN 4689.
3. April 14, 2010 memorandum from Associate Dean Poulter, CAH, requesting executive action to add the writing-intensive designation to ENG 3970.

d. Other:

1. March 30, 2010 email from Dr. Tim Taylor, WAC Chair, in response to CAA Chair Dr. Hendrickson's inquiry about the proposal to add a new requirement for graduation: Writing-Intensive and/or Writing Centered course completion (Agenda Item 09-13). In his email, Dr. Taylor indicated that a memo (as outlined in the 2/26/10 WAC meeting minutes) will be submitted to CAA in the future. Meanwhile, he noted that the proposal (Agenda Item 09-13) could be removed from CAA's agenda.

Note: As a result of this communication, agenda item 09-13 will be removed from CAA's agenda.

2. April 5, 2010 memorandum from Dr. Karla Sanders, Center of Academic Support & Achievement, regarding comparison of Electronic Writing Portfolio (EWP) by WI/WC or Non-WI/WC course status.
3. April 12, 2010 memorandum from Provost Lord requesting a replacement for Stacey Ruholl whose term on the Enrollment Management Advisory Committee expires at the end of Summer 2010.

Ms. Lora Green volunteered to serve a one-year term on the Enrollment Management Advisory Committee beginning September 2010.

4. April 15, 2010 email from Dr. Mahyar Izadi, Chair of the School of Technology, requesting a correction of the course number AET 3803 to AET 3833. Note: AET 3803 was a new course approved by CAA at its March 11, 2010 meeting.

According to Dr. Izadi's email: "On March 11, 2010, CAA approved a new course proposal for AET (INT) 3803 - Sustainable Construction, effective Fall 2010. Unfortunately, at that time, no one caught that there had been another course with the same number in the past. That course was INT 3803 - Applied Thermodynamics and it was deleted, effective Spring 2007. Although, that course no longer exists, there is a possibility problems could arise with the degree auditing system since DARS will not give students credit for both courses."

The AET (INT) 3803 course number will be changed to AET 3833.

3803 3833 AET. Sustainable Construction. (3-0-3) F. Study of the principles of environmentally sustainable construction with application of green buildings and standard construction techniques and mechanical systems. Included is the Green Building Rating System LEED (Leadership in Energy and Environmental Design) for benchmarking the design, construction, and operation of high performance green buildings. Prerequisites: AET 2253 and AET 3603 or approval of instructor.

V. Announcements:

At the meeting today, Dr. Hendrickson noted CAA will elect 2010-11 CAA officers (Chair and Vice Chair) at its last meeting of the semester.

Also, Ms. Fopay announced that she had been contacted by Ms. Amy Lynch, College of Sciences, who indicated the effective date on the revised MAT 2670 course proposal approved at the February 18, 2010 CAA meeting was incorrect – it should be Fall 2010 rather than Fall 2011.

VI. Committee Reports:

1. Dr. Jeff Stowell reported on the Academic Technology Advisory Committee (ATAC).

VII. Item to be Added to the Agenda:

1. 10-78, AET 3414, Selection and Management of Applied Engineering Projects (New Course)

Dr. Bower moved and Dr. White seconded the motion to add this item to the agenda.

VIII. Items Acted Upon:

1. 10-66, EIU 2919, Strategies for Academic Success (Revised Course)

Ms. Boyer presented the proposal. There were no questions.

Dr. Reid moved and Dr. Shelton seconded the motion to approve the proposal. The motion passed with the following vote:

Yes:	Bower, Campbell, Green, Hendrickson, Lambert, Mitchell, Pickham, Reid, Ruholl, Shelton, White
No:	None.
Abstain:	Sterling.

The proposal was approved, effective Fall 2010.

2919 EIU. Strategies for Academic Success. (1-0-1) F, S. Enrollment required of student placed on academic warning for the first time. Topics will include self-assessment, goal-setting, time management, study skills, learning styles and motivation. Course may not be repeated without permission of the Assistant Director, Academic Success Center. Does not count toward graduation.

2. 10-67, Academic Probation Policy (Revised Policy)

Ms. Harvey presented the proposal and answered questions of the council. The council requested revisions to the last sentence in the second paragraph on the proposal under the heading "Academic Warning".

Dr. Reid moved and Dr. Bower seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions (**See Attachment A**), was approved, effective Fall 2010.

3. 10-70, MUS 0203, Eastern Symphonic Band (New Course)

Dr. Allen presented the proposal and answered questions of the council.

Dr. Sterling moved and Dr. Mitchell seconded the motion to approve the proposal. The motion passed unanimously.

The proposal was approved, effective Spring 2011.

0203 MUS. Eastern Symphonic Band. (0-2-1) F, S. The Eastern Symphonic Band is a non-auditioned ensemble for students and community members who wish to continue in music performance. The ESB also provides music majors a large ensemble experience on a secondary instrument. The ensemble performs varied literature and presents at least one concert per semester. Open to music majors and non-music majors. Prerequisite: Previous instrumental experience. Course may be repeated to a maximum of 10 hours or 10 times.

4. 10-71, BIO 3003G, An Introduction to Evolution (New Course)

Dr. Daniel Johnson presented the proposal and answered questions of the council. The council requested revisions to some of the student learning objectives listed on the proposal.

Dr. Sterling moved and Dr. Hendrickson seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Summer 2010.

Note: BIO 3003G will be placed under the Biological Sciences component of the Scientific Awareness segment of General Education.

Note: In order to clarify the language, the course restrictions for BIO 3003G were revised per May 6, 2010 catalog revisions from Ms. Amy Lynch, College of Sciences, on behalf of the Biological Sciences Department. The changes are shown below.

3003G BIO. An Introduction to Evolution. (3-0-3) Course is for EIU programs that are exclusively online or off-campus (technology delivered), or non-BIO majors (traditional delivery only). Course is for General Studies (BGS) majors (technology delivered) or non-BIO majors (traditional delivery only). A survey of the history, evidence, mechanisms and implications of evolutionary theory. Topics covered include natural selection, fossil formation, Mendelian genetics, attitudes towards evolutionary theory, and evolution of Homo sapiens. This course does not count toward Biological Sciences major or minor. This course is restricted to students in the General Studies (BGS) program or on-campus non-majors. Credit for BIO3003G will not be granted if the student already has credit for or registration in BIO 4984.

5. 10-72, ESC 1500G, Introduction to Physical Geography and Earth Systems Science (New Course)

Dr. Laingen presented the proposal and answered questions of the council.

Dr. White moved and Dr. Reid seconded the motion to approve the proposal. The motion passed with the following vote:

Yes:	Campbell, Green, Hendrickson, Lambert, Mitchell, Pickham, Reid, Ruholl, Shelton, Sterling, White
No:	None.
Abstain:	Bower.

The proposal was approved, effective Spring 2011, *pending course fee approval*.

Note: ESC 1500G will be placed under the Physical Sciences component of the Scientific Awareness segment of General Education.

1500G ESC. Introduction to Physical Geography and Earth Systems Science. (3-2-4) F, S. Intro to Physical Geography. An introduction to the Earth's physical geography - the atmosphere (air), hydrosphere (water), lithosphere (solid Earth), and biosphere (life) - and how these integrated systems influence one another and provide ecosystem services for all life on Earth.

6. 10-73, GEL 2100, Geology of Energy Resources (New Course)

Dr. Burns presented the proposal and answered questions of the council. Revisions were requested of the course proposal.

Dr. Bower moved and Ms. Green seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Spring 2011. This course deletes GEL 3490 and GEL 4000.

2100 GEL. Geology of Energy Resources. (3-0-3) S. This course is designed to explore the science behind the energy resources – how the deposits form geologically, how geologists explore the earth to discover where the deposits are located and what techniques and technology are required to extract and process the resources as well as the remediation techniques necessary to restore the landscape after extraction has ceased. Prerequisite: ESC/GEL 1300G or equivalent; may not be taken concurrently.

7. 10-74, GEL 3090 3085, Vertebrate Paleoenvironments and Paleoecology (New Course)

Dr. Katie Johnson presented the proposal and answered questions of the council. It was noted that typically the third digit is nine in honors course numbers. Since the proposed course is not an honors course, it was renumbered from GEL 3090 to GEL 3085.

Dr. Bower moved and Ms. Green seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with the course number revision, was approved, effective Spring 2011, *pending course fee approval*.

3085 GEL. Vertebrate Paleoenvironments and Paleoecology. (3-0-3) S. Vertebrate Paleoenvironments. This course will investigate principles of vertebrate paleontology, paleoenvironmental and paleoecological reconstructions and analyses. The focus will be on the fossil record of vertebrate organisms from their origins through the Pleistocene. Prerequisite: GEL 1430 or permission of the instructor; may not be taken concurrently. Restriction: Sophomore, Junior, or Senior status.

8. 10-75, GEL 3115, Introduction to Paleoclimate (New Course)

Dr. Katie Johnson presented the proposal and answered questions of the council. Writing Active was added as a special course attribute under Part I, 9.

Dr. White moved and Mr. Lambert seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Fall 2010, *pending course fee approval*.

3115 GEL. Introduction to Paleoclimate. (3-2-4) F. An introduction to basic principles and applications of paleoclimatology. A review of processes and archives of climate data will be investigated using examples from Earth history. Prerequisite: GEL 1430 or permission of the instructor; may not be taken concurrently.

9. 10-76, Geography (Revised Major)

Dr. Stimac presented the proposal and answered questions of the council.

Ms. Green moved and Dr. Reid seconded the motion to approve the proposal. The motion passed unanimously.

The proposal (**See Attachment B**) was approved, effective Fall 2011.

10. 10-77, Geology (Revised Major)

Dr. Stimac presented the proposal and answered questions of the council. Due to the renumbering of GEL 3090 to 3085 (See the entry regarding agenda item 10-74 on page 4) the proposal will be updated since the course is listed there.

Dr. Bower moved and Ms. Green seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions (**See Attachment C**), was approved, effective Fall 2010.

IX. Program Review Presentation**1. B.A. in Communications Studies**

Dr. Borzi gave a presentation of the B.A. in Communication Studies program addressing questions listed on the document "Questions to Guide CAA's IBHE Program Review Discussion." In addition, he answered questions of the council. Note: Prior to the meeting, Dr. Borzi submitted a document addressing each question listed on the guide to CAA's IBHE program review discussion. Unfortunately, that document was left off the agenda by mistake. It may be viewed at <http://www.eiu.edu/~eiucaa/2009-10CAA/SP10/04-22-10/CMNQuestions.pdf>

X. Other:

Earlier in the semester, it was requested that the CAA website be updated to show an explanation for completing and examples of the assurance of student learning section of the course proposal to be used as a guide for individuals completing course proposals. Information had previously been on the website, but was taken down a few years ago after the course proposal format was revised. Dr. Hendrickson made updates to that information and distributed copies to the council members today asking them to review it and let him know if they had any suggestions or revisions.

XI. Pending:

1. Ad Hoc Committee on Integrative Learning (Ongoing)

The next meeting will be held Thursday, April 29, 2010.

The meeting adjourned at 3:30 p.m. *–Minutes prepared by Ms. Janet Fopay, Recording Secretary*

The current agenda and all CAA council minutes are available on the Web at <http://www.eiu.edu/~eiucaa/>. In addition, an electronic course library is available at <http://www.eiu.edu/~eiucaa/elibrary/>.

***** ANNOUNCEMENT OF NEXT MEETING *****

April 29, 2010

Conference Room 4440 – Booth Library @ 2:00 p.m.

Agenda:

1. 10-68, HON 4555, Honors Research (New Course)
2. 10-69, HON 4644, Honors Thesis (New Course)
3. 10-78, AET 3414, Selection and Management of Applied Engineering Projects (New Course)

Approved Executive Actions:**LCBAS****Effective Fall 2010**

1. Change the course title of MSC 1001.

1001 MSC. Introduction to Military Science. Leadership and Personal Development. (1-1-1) F, S. Make your first new peer group at college one committed to performing well and enjoying the experience. Increase self-confidence through team study and activities in basic drill; physical fitness; rappelling; leadership reaction course; first aid; basic marksmanship; Army rank structure; stress management; and nutrition. Learn fundamental concepts of leadership in a profession in both classroom and outdoor laboratory environments. PED 1000 and a weekend exercise are highly encouraged and required for ROTC Scholarship students.

COS

Effective Fall 2010

1. Revise the course prerequisites for BIO 2200.

2200 BIO. Human Anatomy. (3-3-4) Models and cadaver study of normal human structure of muscular, skeletal, respiratory, cardiovascular, lymphatic, nervous, digestive, and urogenital systems. Prerequisite: ~~BIO 1100 or equivalent and BIO 2001G or equivalent, or permission of the instructor.~~ **BIO 1001G or BIO 1100, and BIO 2001G or BIO 1300G, or permission of the instructor.**

Pending Executive Actions:

CAH

Effective Fall 2010

1. Add the writing-intensive designation to ENG 3970.

3970 ENG. Study Abroad. (Arr.-Arr.-1-15) See STA 3970, Study Abroad: Faculty-Led. **WI**

COS

Effective Spring 2011

1. Revise the prerequisites for BIO 3624.

3624 BIO. Histology. (1-4-3) The structure and function of tissues, primarily human. Laboratory study is combined with discussion of normal tissue structures. Prerequisite: ~~BIO 2001G or equivalent and~~ BIO 2200 or equivalent, or permission of the instructor.

2. Change the prerequisites for ECN 4689.

4689 ECN. Theory and Research. (3-0-3) F, S. A capstone course to apply theory in undergraduate research. A written report, oral presentation, and external field examination are required. Prerequisites: **ECN 3972, 4801, and ECN 4802, or permission of instructor.** This capstone course is intended for Economics majors to be taken in the last semester before graduation ~~and requires permission of the instructor.~~ **WI**

Attachment A

Academic Warning/Probation/Dismissal

The following rules apply to students as soon as they attempt at least nine semester hours of academic courses at EIU. ~~Students who attempted less than nine semester hours prior to Fall 1985 and who were on Probation will be governed by these rules.~~ **(Please note that in the discussion below, a "grading period" is any fall, spring, or summer semester or term.)**

Academic Warning

If, at the end of a grading period ~~(semester or summer term)~~, a student's cumulative GPA in courses taken at the University falls below 2.00, but not so low as to warrant academic dismissal, that student will be placed on academic warning.

Students placed on academic warning for the first time will be required to enroll in EIU 2919 the following fall or spring semester. Students must complete the course with a "C" or better. Failure to enroll in this course by the first day of classes will result in a hold being placed on the student's record. This course may not be dropped. **It also may not be repeated without** ~~Repetition of this course is subject to~~ the approval of the Assistant Director, Academic Success Center.

Academic Probation

If, at the end of a grading period ~~(semester or summer term)~~ on academic warning, a student's cumulative GPA in courses taken at the University is still below 2.00, but not so low as to warrant academic dismissal, that student will be placed on academic probation.

A student on academic probation must achieve **a minimum GPA of 2.10** ~~the following grading period GPA~~ each grading period until good academic standing is reached or he/she will be academically dismissed.÷

- ~~Freshmen and sophomores MUST earn a minimum GPA of 2.10.~~
- ~~Juniors and seniors MUST earn a minimum GPA of 2.25.~~

Academic Dismissal

A student will be academically dismissed if:

- at the end of any grading period the student's GPA is 0.00 and the cumulative GPA is below 2.00; or
- at the end of any grading period the student on academic probation fails to make satisfactory academic progress toward good academic standing as defined under Academic Probation.

Reinstatement Following Academic Dismissal

(Etc.)

Attachment B

Geography (B.S.)

The Geography B.S. Major requires students to fulfill a total of 50 semester hours. The core curriculum consists of 32 semester hours of required courses. All majors must select one of the four concentrations, each of which require 18 semester hours from geography and/or Earth Science courses.

Required Core Geography Courses (32 Hours)

The Geography Major comprises the following courses and one of the concentrations below.

- ESC 1300G - Introduction to Earth Sciences. Credits: 4
(cross listed with GEL 1300G)
- OR**
- **ESC 1500G-Introduction to Physical Geography. Credits: 4**
- ESC 1400G - Weather and Climate. Credits: 4
- ESC 3200 - Human Impacts on the Environment. Credits: 3
(cross listed with GEG 3200)
- GEG 1100G - Cultural Geography. Credits: 3
- GEG 1200G - World Regional Geography. Credits: 3
- GEG 3025 - Geography of the United States and Canada. Credits: 3
- GEG 3200 - Human Impacts on the Environment. Credits: 3
(cross listed with ESC 3200)
- GEG 3420 - Principles of Geomorphology. Credits: 3
(cross listed with GEL 3420)
- GEG 3800 - Introduction to Cartography. Credits: 3
- GEG 3875 - Field Methods. Credits: 3
- GEG 3885 - Quantitative Methods in Geography. Credits: 3
- GEL 1300G - Introduction to Earth Sciences. Credits: 4
(cross listed with ESC 1300G)
- GEL 3420 - Principles of Geomorphology. Credits: 3
(cross listed with GEG 3420)

Concentrations:

All majors will take 18 semester hours from geography and/or earth science courses in addition to the 32 semester hours of required courses.

1. General Geography

Eighteen semester hours from geography and/or earth science courses other than Required Courses. The course of study for the General Geography Concentration will be determined by students only after discussion with, and approval by, their major advisor and department chair.

2. Environmental Studies

Eighteen semester hours from geography and/or earth science other than Required Courses. Student must take at least 12 semester hours from the following:

- BIO 2002G - Environmental Life Sciences. Credits: 3
- ECN 3810 - Economics of Natural Resources. Credits: 3
- ESC 2420 - Regional Geomorphology. Credits: 3
- ESC 2450G - Oceanography. Credits: 3
(cross listed with GEL 2450G)
- ESC 3010G - Environmental Physical Sciences. Credits: 3
(cross listed with GEL 3010G)
- ESC 3020 - Natural Disasters: Causes and Effects. Credits: 3
(cross listed with GEG 3020)
- ESC 3300 - Soils. Credits: 3
- ESC 3410 - Climatology. Credits: 3

- ESC 3550 - Surface Water Processes and Resources. Credits: 3
- ESC 3960 - Special Topics. Credits: 1 to 4
- ESC 4275 - Internship in Earth Science. Credits: 1 to 6
- ESC 4400 - Independent Study. Credits: 1 to 3
- ESC 4430 - Undergraduate Research in Earth Science. Credits: 1 to 3
- GEG 3020 - Natural Disasters: Causes and Effects. Credits: 3
(cross listed with ESC 3020)
- GEG 3310 - Introduction to Biogeography. Credits: 3
- GEG 3320 - Natural Resource Conservation. Credits: 3
- GEG 3330 - Agricultural Geography. Credits: 3
- GEG 3500 - Climate, Environment and History Since the last Ice Age. Credits: 3
(Cross-listed with HIS 3500)
- GEG 4000 - Seminar. Credits: 3
(See Footnote **)
- GEG 4400 - Independent Study. Credits: 1 to 3
- GEL 2450G - Oceanography. Credits: 3
(cross listed with ESC 2450G)
- GEL 3010G - Environmental Physical Sciences. Credits: 3
(cross listed with ESC 3010G)
- GEL 3425 - Engineering Geology. Credits: 3
- GEL 3525 - Hydrogeology. Credits: 3
- GEL 4335 - Environmental Geology. Credits: 3
- HIS 3500 - Climate, Environment and History Since the last Ice Age. Credits: 3
(Cross-listed with GEG 3500)

3. **Geographic Techniques/Spatial Analysis**

Eighteen semester hours from geography/earth science other than Required Courses.

Students must take at least 12 semester hours from the following:

- ESC 3960 - Special Topics. Credits: 1 to 4
- ESC 4400 - Independent Study. Credits: 1 to 3
- GEG 3600 - Economic Geography. Credits: 3
- GEG 3750 - Population Geography. Credits: 3
- GEG 3780 - Land Use Planning. Credits: 3
- GEG 3810 - Geographic Information Systems I. Credits: 3
- GEG 3820 - Remote Sensing I. Credits: 3
- GEG 3850 - GPS: Mapping the Modern Way. Credits: 3
- GEG 3855 - Computer Mapping. Credits: 3
- GEG 3860 - Geographic Information Systems II. Credits: 3
- GEG 3865 - Advanced Cartography. Credits: 3
- GEG 3870 - Remote Sensing II. Credits: 3
- GEG 4000 - Seminar. Credits: 3
(See Footnote **)
- GEG 4275 - Internship in Geography. Credits: 1 to 6
- GEG 4400 - Independent Study. Credits: 1 to 3
- GEG 4430 - Undergraduate Research in Geography. Credits: 1 to 3

4. **International Studies**

Eighteen semester hours including a minimum of 15 semester hours from the geography courses listed below and a minimum of 3 semester hours from the multi-disciplinary course list in addition to the 32 semester hours required by the geography major (i.e., core courses).

Regional Component: (9 hours minimum)

Choose from the following:

- GEG 3050 - Geography and Culture of Africa. Credits: 3
- GEG 3055 - Geography and Culture of Asia. Credits: 3
- GEG 3060 - Geography and Culture of Europe. Credits: 3

- GEG 3070 - Geography and Culture of Middle America. Credits: 3
- GEG 3080 - Geography and Culture of South America. Credits: 3
(New course, effective Fall 2011)
- GEG 4000 - Seminar. Credits: 3
(See Footnote **)
- STA 3970 - Study Abroad: Faculty-Led. Credits: 1 to 16

Systematic Component: (6 hours minimum)

Choose at least 2 of the following:

- GEG 3600 - Economic Geography. Credits: 3
- GEG 3620 - Geography of Tourism. Credits: 3
- GEG 3640 - Geography of Sports. Credits: 3
- GEG 3650 - Advanced Cultural Geography. Credits: 3
- GEG 3750 - Population Geography. Credits: 3
- GEG 3775 - Urban Geography. Credits: 3
- GEG 4000 - Seminar. Credits: 3
(See Footnote **)
- GEG 4400 - Independent Study. Credits: 1 to 3
(See Footnote *)
- GEG 4430 - Undergraduate Research in Geography. Credits: 1 to 3
(See Footnote *)

Multi-disciplinary Component: (3 hours minimum)

Choose from the following:

- CSC 3100 - Global Threats and Problems. Credits: 3
(cross listed with ECN/GEG/PLS/SOC 3100)
- ECN 3100 - Global Threats and Problems. Credits: 3
(cross listed with CSC/GEG/PLS/SOC 3100)
- ECN 3833 - Economic Development of Modern Europe. Credits: 3
- ECN 3860 - International Economics. Credits: 3
- FLF 2201G - Intermediate French I. Credits: 4
or FLF 2202 - Intermediate French II
- FLG 2201G - Intermediate German I. Credits: 4
or FLG 2202 - Intermediate German II
- FLS 2201G - Intermediate Spanish I. Credits: 4
or FLS 2202 - Intermediate Spanish II
- GEG 3100 - Global Threats and Problems. Credits: 3
(cross listed with CSC/ECN/PLS/SOC 3100)
- HIS 3110 - Britain 1688 to the Present. Credits: 3
- HIS 3210 - History of the Modern Middle East. Credits: 3
- HIS 3250 - African History. Credits: 3
- HIS 3260 - Modern Latin America. Credits: 3
- HIS 3320 - History of Modern China. Credits: 3
- HIS 3350 - Twentieth Century Russia. Credits: 3
- HIS 3450 - Modern Germany. Credits: 3
- PLS 3100 - Global Threats and Problems. Credits: 3
(cross listed with CSC/ECN/GEG/SOC 3100)
- PLS 3223 - International Organizations. Credits: 3
- PLS 3233 - International Terrorism. Credits: 3
- PLS 3303 - European Politics and Governments Credits: 3
- PLS 3333 - Politics of Latin America and the Caribbean. Credits: 3
- PLS 3343 - Government and Politics of the Middle East. Credits: 3
- PLS 3353 - Politics of Sub-Saharan Africa. Credits: 3
- PLS 3363 - Government and Politics in Asia-Pacific Rim. Credits: 3
- PLS 3373 - International Political Economy. Credits: 3

- SOC 3100 - Global Threats and Problems. Credits: 3
(cross listed with CSC/ECN/GEG/PLS 3100)

Additional Elective Geography Courses:

- ESC 3400 - Broadcast Meteorology Practicum. Credits: 3
(Cross-listed with GEG 3400)
- ESC 3415 - The Restless Atmosphere. Credits: 3
(Cross-listed with GEG 3415)
- GEG 3000 - Geography of Illinois. Credits: 3
- GEG 3400 - Broadcast Meteorology Practicum. Credits: 3
(Cross-listed with ESC 3400)
- GEG 3415 - The Restless Atmosphere. Credits: 3
(Cross-listed with ESC 3415)
- GEG 3700 - Historical Geography of the United States. Credits: 3

Footnotes:

(Major GPA based on all geography and required earth science and geology courses taken at EIU.)

* Research topic must have an international focus and must be approved by the GEL/GEG International Studies Concentration Committee.

** GEG 4000 Seminar courses must be approved by the Geography faculty for each concentration.

Attachment C**Geology (B.S.)**

The Geology major comprises:

- BIO 1001G - Biological Principles and Issues. Credits: 3
- CHM 1310G - General Chemistry I. Credits: 3
- CHM 1315G - General Chemistry Laboratory I. Credits: 1
- CHM 1410 - General Chemistry II. Credits: 3
- CHM 1415 - General Chemistry Laboratory II. Credits: 1
- ESC 1300G - Introduction to Earth Sciences. Credits: 4
(cross listed with GEL 1300G)
- GEG 3420 - Principles of Geomorphology. Credits: 3
(cross listed with GEL 3420)
- GEL 1300G - Introduction to Earth Sciences. Credits: 4
(cross listed with ESC 1300G)
- GEL 1430 - Historical Geology. Credits: 4
- GEL 2440 - Mineralogy. Credits: 4
- GEL 3405 - Petrology. Credits: 4
- GEL 3420 - Principles of Geomorphology. Credits: 3
(cross listed with GEG 3420)
- GEL 3430 - Structural Geology. Credits: 3
- GEL 3510 - Principles of Sedimentation. Credits: 3
- GEL 3560 - Principles of Stratigraphy. Credits: 3
- GEL 4335 - Environmental Geology. Credits: 3
- GEL 4490 - Invertebrate Paleontology. Credits: 3
- GEL 4800 - Summer Field Geology in the Black Hills, S.D. Credits: 6
- MAT 1441G - Calculus and Analytic Geometry I. Credits: 5
- PHY 1151G - Principles of Physics I. Credits: 3
- PHY 1152G - Principles of Physics I Laboratory. Credits: 1
- PHY 1161 - Principles of Physics II. Credits: 3
- PHY 1162 - Principles of Physics II Laboratory. Credits: 1

Major electives:

9 semester hours of electives must be taken from the following A and B lists:

A List

A minimum of 6 semester hours must be taken from the following courses:

- ESC 3300 - Soils. Credits: 3
- **GEL 2100 – Geology of Energy Resources. Credits: 3**
- **GEL 3085 – Vertebrate Paleoenvironments. Credits: 3**
- **GEL 3115 – Introduction to Paleoclimate. Credits: 4**
- GEL 3425 - Engineering Geology. Credits: 3
- GEL 3440 - Tectonics. Credits: 3
- GEL 3460 - Economic Mineral Deposits. Credits: 3
- GEL 3470 - Seminar. Credits: 1 to 3
- ~~GEL 3490 - Coal Geology. Credits: 3~~
- GEL 3500 - Volcanology. Credits: 3
- GEL 3525 - Hydrogeology. Credits: 3
- ~~GEL 4000 - Petroleum Geology. Credits: 3~~
- GEL 4200 - Introduction to Geophysical Exploration. Credits: 3
- GEL 4450 - Well Log Interpretation. Credits: 3
- GEL 4480 - Optical Mineralogy. Credits: 4
- GEL 4892 - Introduction to Paleobotany. Credits: 4

B List

A maximum of 3 semester hours can be used from the following courses to meet the elective requirement:

- ESC 3550 - Surface Water Processes and Resources. Credits: 3
- GEG 3800 - Introduction to Cartography. Credits: 3
- GEG 3810 - Geographic Information Systems I. Credits: 3
- **GEG 3820 – Remote Sensing I. Credits: 3**
- GEG 3855 - Computer Mapping. Credits: 3
- ~~GEG 3860 – Geographic Information Systems II. Credits: 3~~

Footnote:

(Major GPA based on all geology and required earth science and geography courses taken at EIU.)