Items approved:	10-34, ENG 4904, Studies in Film (New Course)
	10-35, HIS 3140, Ancient Greece (New Course)
	10-36, HIS 3150, The Roman World (New Course)
	10-37, FLC 1101, Elementary Chinese I (New Course)
	10-38, FLC 1102, Elementary Chinese II (New Course)
	10-39, FLF 3501, French for Young Learners (New Course)
	10-40, FLG 3314, German Novella (New Course)
	10-41, FLG 3501, German for Young Learners (New Course)
	10-42, FLS 3250, Introduction to Hispanic Literary Analysis (New Course)
	10-43, FLS 3501, Spanish for Young Learners (New Course)
	10-44, FLS 3530, Spanish American Women's Novel (New Course)
	10-45, FLS 3540, Race and Gender in Spanish American Literature (New Course)
	10-46, FLS 3550, Contemporary Latin American Drama (New Course)
	10-47, FLS 4645, Topics in Hispanic Culture (New Course)
	10-48, MAT 2670, Computer Science II (Revised Course)
	10-49, MAT 4345, Topics in Applied Mathematics (New Course)
	10-50, MAT 4370, Topics in Computer Science (New Course)
	10-51, Mathematics (Revised Major)
	10-52, Mathematics and Computer Science (Revised Major)
	10-53, History with International Studies Option (Revised Option)

Items Pending:	09-13, Proposal to Add a New Requirement for Graduation: Writing-Intensive and/or Writing Centered Course Completion
	Ad Hoc Committee on Integrative Learning (Ongoing)
	10-54, AET (INT) 3803, Sustainable Construction (New Course)

Council on Academic Affairs
Minutes
February 18, 2010

The February 18, 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. Andrews, Mathematics & Computer Science; Dr. Boswell, English; Dr. Coit, History and Faculty Senate; Dean Hanner, College of Sciences; Dr. Kestner, Student Teaching; Dean Lynch, College of Arts & Humanities; Dr. Murray, English; Dr. Patterson, History; Dr. Ringuette, English; and Dr. Worthington, English.

I. Approval of the February 11, 2010 CAA Meeting Minutes.
The minutes of February 11, 2010 were approved with the following revision: Correction to Dr. Furtado's name under the guest list on page 1 and under item #6 on page 4 of the minutes.

II. Communications:
a. Curriculum Committee Meeting Minutes:
1. Minutes from the February 8, 2010 Lumpkin College of Business & Applied Sciences meeting.

b. Other:
1. February 10, 2010 memorandum from Ms. Rita Pearson, Admissions, regarding the Writing Across the Curriculum proposal (agenda item 09-13).

III. Committee Reports:
None.

IV. Item to be Added to the Agenda:
1. 10-54, AET (INT) 3803, Sustainable Construction (New Course)

Dr. Shelton moved and Dr. Campbell seconded the motion to add this item to the agenda.

V. Items Acted Upon:

    1. 10-34, ENG 4904, Studies in Film (New Course)

Dr. Ringuette presented the proposal and answered questions of the council. He introduced Drs. Boswell, Murray, and Worthington who will teach the course. Also, he noted a couple of revisions for the proposal:

    1. Remove the letter "a" before the list of student learning objectives (Part II, 1) and replace it with "Students will:"
    2. Add a sentence regarding CMN 3530 to Part IV, 3 of the course proposal.

In addition, the council requested that the student learning objectives (Part II, 1) be changed to measurable objectives, the information under Part II, 1.c. of the proposal be revised to show how the learning objectives and assignments/activities are connected, and the repeat status information be revised (Part I, 8.e.)

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

The proposal, with revisions, was approved, effective Spring 2011, *pending CGS approval.*

    4904 ENG. Studies in Film. (3-2-3) S. In-depth study of major periods, genres, history, criticism and/or theory of film. Topics to be announced. May be taken twice with permission of Department Chairperson. Prerequisite: ENG 1002G. WI

    2. 10-35, HIS 3140, Ancient Greece (New Course)

Dr. Patterson presented the proposal and answered questions of the council. The council requested the following revisions to the proposal:

    1. Add the letters NUS behind the course description
    2. Change the student learning objectives (Part II, 1) to measurable objectives

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

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

    3140 HIS. Ancient Greece. (3-0-3) F. The course surveys the history, culture, literature, and institutions of Ancient Greece, beginning with the Mycenaean period and finishing with the coming of the Romans. The course will investigate the major political, cultural, and economic changes in the Greek world. WI, NUS

    3. 10-36, HIS 3150, The Roman World (New Course)

Dr. Patterson presented the proposal and answered questions of the council. The council requested the following revisions to the proposal:

    1. Add the letters NUS behind the course description.
    2. Change the student learning objectives (Part II, 1) to measurable objectives

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

The proposal, with revisions, was approved, effective Spring 2011.

    3150 HIS. The Roman World. (3-0-3) On Demand. The course will explore the history of the Romans from the eighth century BCE to the end of the fifth century CE, with a focus on Roman literature, art history, religion, and daily life. It will investigate Roman cultural, military, and political interactions with other groups, first in Italy and eventually across the Mediterranean basin. WI, NUS

4. **10-53, History with International Studies Option (Revised Option)**
   Dr. Coit presented the proposal and answered questions of the council. The council requested the following revisions to the proposal:

   1. Remove the course PLS 3323 from the proposal since that course will be deleted from the catalog, effective Fall 2010 (Note: The approved executive action to delete the course from the catalog appears in the 1/21/10 CAA minutes.)
   2. List the other course prefixes associated with the cross-listed course PLS 3100 (CSC/ECN/GEG/SOC)

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

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

5. **10-37, FLC 1101, Elementary Chinese I (New Course)**
   Dr. Canfield presented the proposal and answered questions of the council. The council requested the following revisions to the proposal:

   1. Delete the special attributes (Part I, 9)
   2. Change the student learning objectives (Part II, 1) to measurable objectives
   3. Remove a typo from Part III
   4. Delete the sentence below Part IV, 1.a.
   5. Fix the numbering under Part V

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

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

   1101 FLC.   Elementary Chinese I.   (4-0-4) F, S. The course introduces students to the official Chinese language (Mandarin) in its five aspects: listening, speaking, reading, writing and culture.

6. **10-38, FLC 1102, Elementary Chinese II (New Course)**
   Dr. Canfield presented the proposal and answered questions of the council. The council requested the following revisions to the proposal:

   1. Delete the special attributes (Part I, 9)
   2. Change the student learning objectives (Part II, 1) to measurable objectives
   3. Delete the sentence below Part IV, 1.a.

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

   The proposal, with revisions, was approved, effective Spring 2011.

   1102 FLC.   Elementary Chinese II.   (4-0-4) F, S. The course continues the introduction of students to the official Chinese language (Mandarin) in its five aspects: listening, speaking, reading, writing and culture begun in FLC 1101. Prerequisite: FLC 1101 or equivalent.

The agenda order was revised.

7. **10-39, FLF 3501, French for Young Learners (New Course), 10-41, FLG 3501, German for Young Learners (New Course), and 10-43, FLS 3501, Spanish for Young Learners (New Course)**
Dr. Canfield presented the following proposals as a group and answered questions of the council: 10-39, FLF 3501, French for Young Learners (New Course), 10-41, FLG 3501, German for Young Learners (New Course), and 10-43, FLS 3501, Spanish for Young Learners (New Course). The council requested clarification of the course repeat status information (Part I, 8.e) on each proposal.*

   *Note: After the meeting, Dr. Canfield consulted with the faculty members teaching the courses about the repeat status language. He indicated that the language on the proposals was what they had intended. He explained that even if a student would repeat one of the courses twice for only one hour, it could not be repeated again. Ms. Fopay revised the language slightly in order to bring it in line with other catalog course descriptions that have similar repeat information. The language was changed from "Course may be repeated to a maximum of six hours or two times." to "Students may repeat the course twice to a maximum of six hours."

Next the council voted on each agenda item separately.

   a.) **10-39, FLF 3501, French for Young Learners (New Course)**
   Ms. Green moved and Ms. Ruholl seconded the motion to approve the proposal. The motion passed unanimously.

   The proposal was approved, effective Fall 2010.

      3501 FLF. French for Young Learners. (Arr.-0-1 to 3) F, S. Supervised French activities. Exploring language and culture with young learners. Equivalent course: FLF 3401. Prerequisite: Four semesters of college French or equivalent. Students may repeat the course twice to a maximum of six hours.

   b.) **10-41, FLG 3501, German for Young Learners (New Course)**
   Dr. Campbell moved and Dr. Hendrickson seconded the motion to approve the proposal. The motion passed unanimously.

   The proposal was approved, effective Fall 2010.

      3501 FLG. German for Young Learners. (Arr.-0-1 to 3) F, S. Supervised German activities. Exploring German language and culture with young learners. Equivalent course: FLG 3401. Prerequisite: Four semesters of college German or equivalent. Students may repeat the course twice to a maximum of six hours.

   c.) **10-43, FLS 3501, Spanish for Young Learners (New Course)**
   Dr. Bower moved and Ms. Green seconded the motion to approve the proposal. The motion passed unanimously.

   The proposal was approved, effective Fall 2010.

      3501 FLS. Spanish for Young Learners. (Arr.-0-1 to 3) F, S. Supervised Spanish activities. Exploring Spanish language and culture for young learners. Equivalent course: FLS 3401. Prerequisite: Four semesters of college Spanish or equivalent. Students may repeat the course twice to a maximum of six hours.

8. **10-40, FLG 3314, German Novella (New Course)**
    Dr. Canfield presented the proposal and answered questions of the council.

    Ms. Ruholl moved and Mr. Lambert seconded the motion to approve the proposal. The motion passed unanimously.

    The proposal was approved, effective Fall 2010.

    > **3314 FLG. German Novella. (3-0-3) On Demand.** Survey of German Novellas and related literary theory. Prerequisite: FLG 2202 or equivalent to be enforced by Banner. WI

9. **10-42, FLS 3250, Introduction to Hispanic Literary Analysis (New Course)**
    Dr. Canfield presented the proposal and answered questions of the council. The council requested the following revision to the proposal: Revise Part II, 2 to show how the learning objectives and assignments/activities are connected

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

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

    > **3250 FLS. Introduction to Hispanic Literary Analysis. (3-0-3) On Demand. Intro to Hispanic Lit Analysis.** A study of the methods of literary criticism and interpretation in Spanish, including the technical vocabulary needed to analyze works in narrative, poetry and drama. Prerequisite: FLS 3000 – may be taken concurrently with the permission of instructor or chair.

10. **10-44, FLS 3530, Spanish American Women's Novel (New Course)**
    Dr. Canfield presented the proposal and answered questions of the council. The council requested the following revisions to the proposal:

    1. Revise Part II, 2 to show how the learning objectives and assignments/activities are connected
    2. Add an explanation to Part II, 6 indicating how the course satisfies the criteria for a writing-intensive course

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

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

    > **3530 FLS. Spanish American Women's Novel. (3-0-3) On Demand.** This course introduces students to the novel genre in Spanish America. It explores how female writers utilized the novel as a primary forum through which they publicized their ideas and participated in the debate on the equality of the sexes and nation formation. Prerequisite: FLS 3000 or equivalent. WI

11. **10-45, FLS 3540, Race and Gender in Spanish American Literature (New Course)**
    Dr. Canfield presented the proposal and answered questions of the council. The council requested the following revisions to the proposal:

    1. Revise Part II, 2 to show how the learning objectives and assignments/activities are connected
    2. Add an explanation to Part II, 6 indicating how the course satisfies the criteria for a writing-intensive course

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

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

> **3540 FLS. Race and Gender in Spanish American Literature. (3-0-3) On Demand. Race and Gender in Span Am Lit.** This course focuses on the evolution of racial and gender constraints as seen through legal documents, chronicles, religious literature, newspapers, as well as in poetry, fiction and theater. Prerequisite: FLS 3000 or equivalent. WI

12. 10-46, FLS 3550, Contemporary Latin American Drama (New Course)

Dr. Canfield presented the proposal and answered questions of the council. The council requested the following revisions to the proposal:

1. Revise Part II, 2 to show how the learning objectives and assignments/activities are connected
2. Add an explanation to Part II, 6 indicating how the course satisfies the criteria for a writing-intensive course

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

The proposal, with revisions, was approved, effective Spring 2011.

> **3550 FLS. Contemporary Latin American Drama. (3-0-3) On Demand. Latin American Drama.** Development of major theatrical movements of Latin America during the twentieth and twenty-first centuries. Study of both text and performance. Prerequisite: FLS 3000 or equivalent. WI

13. 10-47, FLS 4645, Topics in Hispanic Culture (New Course)

Dr. Canfield presented the proposal and answered questions of the council. The council requested minor revisions to the student learning objectives (Part II, 1) on the proposal.

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

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

> **4645 FLS. Topics in Hispanic Culture. (3-0-3) On Demand.** Special topics in Hispanic culture not ordinarily treated in standard courses. Topic and course outline will vary. Prerequisite: FLS 3000 or equivalent. WI

14. 10-48, MAT 2670, Computer Science II (Revised Course)

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

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

The proposal was approved, effective Fall 2011.

> **2670 MAT. Computer Science II. (3-2-4) F.** Intermediate programming techniques with emphasis on object oriented design, recursion as a problem solving strategy, event-driven programming, graphical user interface design, and software engineering principles. All programming will be done in an object-oriented programming language (such as Java, C++, or Python). Prerequisite: "C" or better in MAT 2170.

15. 10-49, MAT 4345, Topics in Applied Mathematics (New Course)
Dr. Andrews presented the proposal and answered questions of the council. The council requested minor revisions to Part II, 2 and 3 of the course proposal.

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

The proposal, with revisions, was approved, effective Spring 2011.

> **4345 MAT. Topics in Applied Mathematics. (3-0-3) On Demand.** Selected topics in applied mathematics. Topics may vary depending on student and faculty interests. May be repeated for credit, with change of topic, for a maximum of six credits. Prerequisite: Permission of the instructor.

16. 10-50, MAT 4370, Topics in Computer Science (New Course)
Dr. Andrews presented the proposal and answered questions of the council.

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

The proposal was approved, effective Spring 2011.

> **4370 MAT. Topics in Computer Science. (3-0-3) On Demand.** Selected topics in advanced computer science. Topics may vary depending on student and faculty interests. May be repeated for credit, with change of topic, for a maximum of six credits. Prerequisite: Permission of the instructor.

17. 10-51, Mathematics (Revised Major)
Dr. Andrews presented the proposal and answered questions of the council. There was a question about the new names for Group I and Group II in the Mathematics major and whether they would be considered as options or concentrations. Dr. Andrews indicated he would consult with Ms. Amy Lynch, College of Sciences about it after the meeting to determine how to rename the groups.*

> *Note: After the meeting, it was determined that the groups would be categorized as concentrations rather than options. As a result, the proposal was revised. Group I was renamed the "Pure Mathematics Concentration" and Group II was renamed the "Applied Mathematics Concentration".

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

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

18. 10-52, Mathematics and Computer Science (Revised Major)
Dr. Andrews presented the proposal and answered questions of the council.

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

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

VI. Pending:
1. 09-13, Proposal to Add a New Requirement for Graduation: Writing-Intensive and/or Writing Centered Course Completion
2. Ad Hoc Committee on Integrative Learning (Ongoing)

There will not be a face-to-face or electronic meeting next week.

The meeting adjourned at 3:40 p.m.   *–Minutes prepared by Ms. Janet Fopay, Recording Secretary*

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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 **********
TO BE ANNOUNCED

Agenda:
   Pending:
      1. 10-54, AET (INT) 3803, Sustainable Construction (New Course)

Approved Executive Actions:
   None.

Pending Executive Actions:
  COS
   None.

Attachment A

B.A. in History with International Studies

This option requires 54 hours in History, Economics, Political Science and Geography; and proficiency at the intermediate level of a foreign language or the completion of courses in a foreign language.

Core Requirements

Choose one of the following foreign language courses:

FLF 2202G - Intermediate French II. Credits: 4
FLG 2202G - Intermediate German II. Credits: 4
FLS 2202G - Intermediate Spanish II. Credits: 4

Complete the following courses:

ECN 2801G - Principles of Macroeconomics. Credits: 3
ECN 2802G - Principles of Microeconomics. Credits: 3
ECN 3860 - International Economics. Credits: 3
HIS 2010G - History of the United States to 1877. Credits: 3
HIS 2020G - History of the United States Since 1877. Credits: 3
HIS 2500 - Historical Research and Writing. Credits: 3
HIS 2560 - Early Modern World History. Credits: 3
HIS 3555 - Modern World History. Credits: 3

3 Semester Hours From:

HIS 3250 - African History. Credits: 3
HIS 3260 - Modern Latin America. Credits: 3
HIS 3320 - History of Modern China. Credits: 3

18 Semester Hours of History Electives

History electives numbered above 3000 to include nine sem. hrs. in U.S. History and nine sem. hrs. in non-U.S. History, which must include at least one 4000-level U.S. history and one 4000-level non-U.S. history course.

6 Semester Hours From:

PLS 2253G - Introduction to International Relations. Credits: 3
PLS/CSC/ECN/GEG/SOC 3100 - Global Threats and Problems. Credits: 3
PLS 3203 - American Foreign Policy. Credits: 3
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
PLS 4823 - International Policy Issues. Credits: 3

3 Semester Hours From:

GEG 1200G - World Regional Geography. Credits: 3
GEG 3600 - Economic Geography. Credits: 3

Attachment B

B.A. in Mathematics

The Mathematics major comprises the following courses and one of the concentrations listed below. An upper division writing intensive course is required.

MAT 1441G - Calculus and Analytic Geometry I. Credits: 5
MAT 2170 - Computer Science I. Credits: 4
MAT 2442 - Calculus and Analytic Geometry II. Credits: 5
MAT 2443 - Calculus and Analytic Geometry III. Credits: 4
MAT 2550 - Introduction to Linear Algebra. Credits: 3
MAT 2800 - Foundations of Mathematics. Credits: 3
MAT 3530 - Abstract Algebra. Credits: 4
MAT 3800 - Seminar in Mathematics. Credits: 2

~~Group I~~ Pure Mathematics Concentration Requirements

Pure Mathematics Core (11 hours)

MAT 4760 - Linear Algebra. Credits: 4
MAT 4855 - Introduction to Topology. Credits: 3
MAT 4860 - Mathematical Analysis. Credits: 4

Electives 12 Semester Hours From:

MAT 3271 - College Geometry I. Credits: 3
MAT 3272 - College Geometry II. Credits: 3
MAT 3501 - Differential Equations I. Credits: 3
MAT 3502 - Differential Equations II. Credits: 3
MAT 3701 - Probability and Statistics I. Credits: 3
MAT 3702 - Probability and Statistics II. Credits: 3
MAT 3770 - Combinatorial Computing. Credits: 3
MAT 4335 - Topics in Mathematics. Credits: 3
MAT 4750 - Linear Programming. Credits: 3
MAT 4830 - Introduction to Complex Analysis with Applications. Credits: 3
~~MAT 4850 - Operations Research. Credits: 3~~
MAT 4885 - Theory of Computation. Credits: 3
MAT 4910 - Number Theory. Credits: 3

~~Group II~~ Applied Mathematics Concentration Requirements

Applied Mathematics Core (12 hours)
~~BUS 2101 - Financial Accounting. Credits: 3~~
~~ECN 2801G - Principles of Macroeconomics. Credits: 3~~
~~ECN 2802G - Principles of Microeconomics. Credits: 3~~
MAT 3701 - Probability and Statistics I. Credits: 3
MAT 3702 - Probability and Statistics II. Credits: 3
~~MAT 4750 - Linear Programming. Credits: 3~~
~~MAT 4850 - Operations Research. Credits: 3~~
~~or~~
~~MGT 3800 - Introduction to Operations Research. Credits: 3~~
MAT 3501 – Differential Equations I. Credits: 3
MAT 3570 – Numerical Analysis. Credits: 3

~~**6 Semester Hours From:**~~ **Electives (11-13 hrs)**

MAT 2670 - Computer Science II. Credits: ~~3~~ **4** *(Course will be revised and the credit hours changed to 4, effective Fall 2011)*
MAT 3502 – Differential Equations II. Credits: 3
~~MAT 3570 - Numerical Calculus. Credits: 3~~
~~MAT 3670 - Principles of Computer Systems. Credits: 3~~
MAT 3770 - Combinatorial Computing. Credits: 3
~~MAT 3870 - Data Structures. Credits: 3~~
MAT 4345 -Topics in Applied Mathematics. Credits 3 *(New course, effective Spring 2011)*
~~MAT 4490 - Independent Study. Credits: 1 to 3~~
MAT 4750 – Linear Programming. Credits: 3
MAT 4760 - Linear Algebra. Credits: 4
MAT 4780 - Mathematics of Interest. Credits: 3
MAT 4830 - Introduction to Complex Analysis with Applications. Credits: 3
MAT 4860 – Real Analysis. Credits: 4
~~MAT 4880 - Design and Analysis of Algorithms. Credits: 3~~
~~MAT 4885 - Theory of Computation. Credits: 3~~
~~MAT 4970 - Principles of Operating Systems. Credits: 3~~

~~**6 Semester Hours From:**~~
~~--~~
~~BUS 2102 - Managerial Accounting. Credits: 3~~
~~BUS 3010 - Management and Organizational Behavior. Credits: 3~~
~~ECN 3972 - Statistics Applied to Economics II. Credits: 3~~
~~ECN 4802 - Intermediate Microeconomic Theory. Credits: 3~~
~~ECN 4803 - Mathematical Economics. Credits: 3~~
~~FIN 3900 - Risk and Insurance. Credits: 3~~

Footnotes:

(Major GPA based on ~~courses in one of the above groups and on~~ all mathematics courses taken at EIU.)

Attachment C

B.S. in Mathematics and Computer Science

The Mathematics and Computer Science major comprises a required upper-division writing intensive course and the following:

MAT 1441G - Calculus and Analytic Geometry I. Credits: 5
MAT 2170 - Computer Science I. Credits: 4
MAT 2345 - Elements of Discrete Mathematics. Credits: 3
MAT 2442 - Calculus and Analytic Geometry II. Credits: 5
MAT 2443 - Calculus and Analytic Geometry III. Credits: 4
MAT 2550 - Introduction to Linear Algebra. Credits: 3
MAT 2670 - Computer Science II. Credits: 3 **4** *(Course will be revised and the credit hours changed to 4, effective Fall 2011)*
MAT 3570 - Numerical Calculus **Analysis**. Credits: 3
MAT 3670 - Principles of Computer Systems. Credits: 3
MAT 3701 - Probability and Statistics I. Credits: 3
MAT 3702 - Probability and Statistics II. Credits: 3
MAT 3770 - Combinatorial Computing. Credits: 3
MAT 3870 - Data Structures. Credits: 3
MAT 4275 - Internship in Mathematics and Computer Science. Credits: 10 to 15
(10 hours from MAT 4275)
MAT 4880 - Design and Analysis of Algorithms. Credits: 3
MAT 4970 - Principles of Operating Systems. Credits: 3

6-8 Semester Hours of Electives Chosen From

MAT 3501 - Differential Equations I. Credits: 3
MAT 3502 - Differential Equations II. Credits: 3
MAT 3530 - Abstract Algebra. Credits: 4
MAT 4370 – Topics in Computer Science. Credits: 3 *(New Course, effective Spring 2011)*
MAT 4750 - Linear Programming. Credits: 3
MAT 4850 - Operations Research. Credits: 3
MAT 4885 - Theory of Computation. Credits: 3
PHY 3150 - Electronics. Credits: 4

Footnotes:

(Major GPA based on those courses listed above taken at EIU.)