
Agenda for the February 6, 2014 CAA Meeting

Items Approved: 14-03, Psychology Major (Revised Major)
14-04, Psychology Minor (Revised Minor)
14-08, PSY 3680, Sensation and Perception (Revised Course)
14-09, BIO 2210, Anatomy and Physiology I (New Course)
14-10, BIO 2220, Anatomy and Physiology II (New Course)
14-11, Biological Sciences (Revised Major)
14-12, Clinical Laboratory Sciences (Revised Major)

Items Pending: 11-132R, Course Proposal Format Form (Revised Form)
14-13, Proposed Credit Hour Policy
14-14, Applied Engineering & Technology Major (Revised Major and Removal of Concentrations)
14-15, Applied Engineering & Technology Minor (Revised Minor)
14-16, ELE/MLE 4855, Exploring ESL Students through Clinical Experiences (New Course)
14-17, HST 4830, Health and Human (New Course)
14-18, Adult Education Minor (Revised Minor)
14-19, KSS 1500, Kinesiology & Sports Studies as a Profession (Revised Course)
14-20, KSS 2000, Technique and Practice of Teaching Physical Education (Revised Course)
14-21, KSS 2101, Technique and Theory of Badminton, Tennis and Pickleball (Revised Course)
14-22, KSS 2102, Technique and Theory of Golf, Bowling and Disc Golf (Revised Course)
14-23, KSS 2220, Technique and Theory of Dance (Revised Course)
14-24, KSS 2360, Technique and Theory of Volleyball, Ultimate Frisbee and Lacrosse (Revised Course)
14-25, KSS 2400, Introduction to Elementary School Physical Education (Revised Course)
14-26, KSS 2450, Adapted Physical Education (Revised Course)
14-27, KSS 2860, Teaching Health-Related Fitness (New Course)
14-28, KSS 3400, Secondary Physical Education Methods (Revised Course)
14-29, KSS 3401, Elementary Physical Education Methods (Revised Course)
14-30, KSS 3460, Soccer Coaching (Revised Course)
14-31, KSS 3470, Basketball Coaching (Revised Course)
14-32, KSS 3480, Football Coaching (Revised Course)
14-33, KSS 3490, Track and Field Coaching (Revised Course)
14-34, KSS 3500, Baseball Coaching (Revised Course)
14-35, KSS 3550, Wrestling Coaching (Revised Course)
14-36, KSS 3750, Softball Coaching (Revised Course)
14-37, KSS 3770, Volleyball Coaching (Revised Course)
14-38, KSS 4320, Organization, Administration, & Curriculum in Physical Education (Revised Course)
14-39, KSS 4470, Assessment in K-12 Physical Education (Revised Course)
14-40, Kinesiology & Sports Studies Minor (Revised Minor)

Ongoing: Five-year plan regarding the University Learning Goals (For details concerning the plan, see agenda Item 13-83, CAA Learning Goals Committee's Recommendations & Resolution, which was approved by CAA at its 4/25/13 meeting)

Council on Academic Affairs Minutes

February 6, 2014

The February 6, 2014 meeting of the Council on Academic Affairs was held at 3:00 p.m. in the Arcola/Tuscola Room at the University Union.

Members Present: Ms. Ahmad, Ms. Duffin, Ms. English, Ms. Green, Dr. Gronnvoll, Dr. Lucas, Dr. Reid, Dr. Rhoads, Dr. Ruholl, Ms. Sage, and Dr. White.

Members Absent: Dr. Anthony and Dr. Throneburg.

Staff Present: Provost Lord and Ms. Fopay.

Guests Present: Dr. Bulla, Biological Sciences; Mr. Cruikshank, *Daily Eastern News*; Dr. Mace, Psychology; Dr. Maia, Biological Sciences; Dr. Stowell, Psychology; and Dr. Tucker, Biological Sciences.

Note: Ms. Courtney Sage will serve on the council this semester as a student representative. She replaces Ms. Brandi Binder.

I. Approval of the February 6, 2014 CAA Meeting Minutes.

Ms. Green moved and Dr. Lucas seconded the motion to approve the minutes. The minutes of February 6, 2014 were approved as written.

II. Communications:**a. College Curriculum Committee Minutes:**

1. Minutes of the January 24, 2014 College of Sciences Curriculum Committee meeting.
2. Minutes of the January 27, 2014 Lumpkin College of Business & Applied Sciences Curriculum Committee meeting.
3. Minutes of the January 27, 2014 College of Education & Professional Studies Curriculum Committee meeting.

b. Executive Actions:

1. January 27, 2014 memorandum from Dean Izadi, LCBAS, requesting executive action revise the course title for FCS 3300, update the course description for BUS 3470, and change the prerequisites for BUS 4000.
2. January 30, 2014 memorandum from Dean Jackman, CEPS, requesting executive action to cross list the following ELE courses with MLE: 4850 and 4890.

c. Waiver Reports:

1. Academic Waiver Reports for January 2014 from Lumpkin College of Business & Applied Sciences, College of Arts & Humanities, College of Education & Professional Studies, and College of Sciences.

III. Committee Reports:

None.

IV. Items to be Added to the Agenda:

1. 14-13, Proposed Credit Hour Policy
2. 14-14, Applied Engineering & Technology Major (Revised Major and Removal of Concentrations)
3. 14-15, Applied Engineering & Technology Minor (Revised Minor)
4. 14-16, ELE/MLE 4855, Exploring ESL Students through Clinical Experiences (New Course)
5. 14-17, HST 4830, Health and Human (New Course)
6. 14-18, Adult Education Minor (Revised Minor)
7. 14-19, KSS 1500, Kinesiology & Sports Studies as a Profession (Revised Course)
8. 14-20, KSS 2000, Technique and Practice of Teaching Physical Education (Revised Course)
9. 14-21, KSS 2101, Technique and Theory of Badminton, Tennis and Pickleball (Revised Course)
10. 14-22, KSS 2102, Technique and Theory of Golf, Bowling and Disc Golf (Revised Course)
11. 14-23, KSS 2220, Technique and Theory of Dance (Revised Course)
12. 14-24, KSS 2360, Technique and Theory of Volleyball, Ultimate Frisbee and Lacrosse (Revised Course)
13. 14-25, KSS 2400, Introduction to Elementary School Physical Education (Revised Course)
14. 14-26, KSS 2450, Adapted Physical Education (Revised Course)
15. 14-27, KSS 2860, Teaching Health-Related Fitness (New Course)
16. 14-28, KSS 3400, Secondary Physical Education Methods (Revised Course)
17. 14-29, KSS 3401, Elementary Physical Education Methods (Revised Course)
18. 14-30, KSS 3460, Soccer Coaching (Revised Course)
19. 14-31, KSS 3470, Basketball Coaching (Revised Course)
20. 14-32, KSS 3480, Football Coaching (Revised Course)
21. 14-33, KSS 3490, Track and Field Coaching (Revised Course)
22. 14-34, KSS 3500, Baseball Coaching (Revised Course)
23. 14-35, KSS 3550, Wrestling Coaching (Revised Course)
24. 14-36, KSS 3750, Softball Coaching (Revised Course)
25. 14-37, KSS 3770, Volleyball Coaching (Revised Course)
26. 14-38, KSS 4320, Organization, Administration, & Curriculum in Physical Education (Revised Course)
27. 14-39, KSS 4470, Assessment in K-12 Physical Education (Revised Course)
28. 14-40, Kinesiology & Sports Studies Minor (Revised Minor)

Ms. English moved and Dr. Gronnvoll seconded the motion to add these items to the agenda.

V. Items Acted Upon:**1. 14-08, PSY 3680, Sensation and Perception (Revised Course).**

Dr. Stowell and Dr. Mace presented the proposal and answered questions of the council. The council requested revisions to the proposal.

Ms. Duffin arrived at 3:05 p.m.

Dr. Ruholl moved and Ms. English seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Summer 2014.

PSY 3680. Sensation and Perception. (3-0-3) F, S. An overview of the principles of sensation and perception through the study of the major senses including vision, hearing, touch, taste, and smell. Prerequisites: "D" or better in PSY 1879G or PSY 1890G.

2. 14-03, Psychology Major (Revised Major).

Dr. Stowell and Dr. Mace presented the proposal. There were no questions.

Ms. English moved and Ms. Duffin seconded the motion to approve the proposal. The motion passed unanimously.

The proposal (**See Attachment A**) was approved, effective Fall 2014.

3. 14-04, Psychology Minor (Revised Minor).

Dr. Stowell and Dr. Mace presented the proposal. There were no questions.

Ms. Ahmad moved and Ms. Duffin seconded the motion to approve the proposal. The motion passed unanimously.

The proposal (**See Attachment B**) was approved, effective Fall 2014.

4. 14-09, BIO 2210, Anatomy and Physiology I (New Course).

Dr. Maia and Dr. Bulla presented the proposal and answered questions of the council. The council requested revisions to the proposal.

Dr. Gronnvoll moved and Ms. English seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions was approved, effective Fall 2014, pending course fee approval. *Note: This course will delete BIO 2200, effective Fall 2016.*

BIO 2210. Anatomy and Physiology I. (3-3-4) Comprehensive survey of human anatomy and physiology. First of a two-semester sequential course that covers the structure and function of cells and tissues, and a systematic approach to the integumentary, skeletal, muscular, nervous, and endocrine systems. Includes a laboratory component with identification of anatomical structures in models and cadavers and hands-on physiological experiments. Equivalent course: BIO 2200. Prerequisites: "D" or better in BIO 1001G, or BIO 1100 or BIO 1300G or KSS 2440.

5. 14-10, BIO 2220, Anatomy and Physiology II (New Course)

Dr. Maia presented the proposal and answered questions of the council. The council requested revisions to the proposal.

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

The proposal, with revisions, was approved, effective Spring 2015, pending course fee approval. *Note: This course will delete BIO 2200, effective Fall 2016.*

BIO 2220. Anatomy and Physiology II. (3-3-4) Comprehensive survey of human anatomy and physiology. Second of a two-semester sequential course that covers the structure and function of cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems, metabolism and energetics, and development. Includes a laboratory component with identification of anatomical structures in models and cadavers and hands-on physiological experiments. Equivalent Course: BIO 2200. Prerequisite: "D" or better in BIO 2210.

6. 14-11, Biological Sciences (Revised Major)

Dr. Bulla presented the proposal and answered questions of the council. The council requested revisions to the proposal.

Ms. Ahmad left the meeting at 3:30 p.m.

Dr. Gronnvoll moved and Ms. English seconded the motion to approve the proposal. The motion passed unanimously.

The proposal (**See Attachment D**), with revisions, was approved, effective Fall 2014.

7. 14-12, Clinical Laboratory Sciences (Revised Major)

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

Ms. Duffin moved and Ms. English seconded the motion to approve the proposal. The motion passed unanimously.

The proposal (**See Attachment E**), with revisions, was approved, effective Fall 2014.

VI. Other:

1. Dr. Lucas reported that Faculty Senate members have been invited to participate in the syllabus policy discussions.

VII. Pending:

1. 11-132R, Course Proposal Format Form (Revised Form)
2. 14-03, Psychology Major (Revised Major)
3. 14-04, Psychology Minor (Revised Minor)

VIII. Ongoing:

1. Five-year plan regarding the University Learning Goals (For details concerning the plan, see agenda Item 13-83, CAA Learning Goals Committee's Recommendations & Resolution, which was approved by CAA at its 4/25/13 meeting.)

IX. Meeting Adjournment:

1. Ms. Green moved and Dr. White seconded the motion to adjourn the meeting. The motion was approved by acclamation.

The meeting adjourned at 3:40 p.m.

The next meeting will be held at 3:00 p.m. on Thursday, February 13, 2014.

–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 *****

February 13, 2014

1895 Room – University Union @ 3:00 p.m.

Agenda:

1. 14-14, Applied Engineering & Technology Major (Revised Major and Removal of Concentrations)
2. 14-15, Applied Engineering & Technology Minor (Revised Minor)
3. 14-16, ELE/MLE 4855, Exploring ESL Students through Clinical Experiences (New Course)
4. 14-17, HST 4830, Health and Human (New Course)
5. 14-18, Adult Education Minor (Revised Minor)
6. 14-19, KSS 1500, Kinesiology & Sports Studies as a Profession (Revised Course)
7. 14-20, KSS 2000, Technique and Practice of Teaching Physical Education (Revised Course)
8. 14-21, KSS 2101, Technique and Theory of Badminton, Tennis and Pickleball (Revised Course)
9. 14-22, KSS 2102, Technique and Theory of Golf, Bowling and Disc Golf (Revised Course)
10. 14-23, KSS 2220, Technique and Theory of Dance (Revised Course)
11. 14-24, KSS 2360, Technique and Theory of Volleyball, Ultimate Frisbee and Lacrosse (Revised Course)
12. 14-25, KSS 2400, Introduction to Elementary School Physical Education (Revised Course)
13. 14-26, KSS 2450, Adapted Physical Education (Revised Course)
14. 14-27, KSS 2860, Teaching Health-Related Fitness (New Course)

Pending:

1. 11-132R, Course Proposal Format Form (Revised Form)
2. 14-13, Proposed Credit Hour Policy
3. 14-28, KSS 3400, Secondary Physical Education Methods (Revised Course)
4. 14-29, KSS 3401, Elementary Physical Education Methods (Revised Course)
5. 14-30, KSS 3460, Soccer Coaching (Revised Course)
6. 14-31, KSS 3470, Basketball Coaching (Revised Course)
7. 14-32, KSS 3480, Football Coaching (Revised Course)
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10. 14-35, KSS 3550, Wrestling Coaching (Revised Course)
11. 14-36, KSS 3750, Softball Coaching (Revised Course)
12. 14-37, KSS 3770, Volleyball Coaching (Revised Course)
13. 14-38, KSS 4320, Organization, Administration, & Curriculum in Physical Education (Revised Course)
14. 14-39, KSS 4470, Assessment in K-12 Physical Education (Revised Course)
15. 14-40, Kinesiology & Sports Studies Minor (Revised Minor)

Approved Executive Actions:

None.

Pending Executive Actions:**BAS****Effective Fall 2014**

1. Change the course description for BUS 3470.

BUS 3470 - Principles of Marketing. (3-0-3) F, S. Marketing concepts including the analysis of the marketing environment and the strategic variables of product, price, distribution, and promotion. This course prepares students to make operational decisions within the product, place, promotion, and price areas. This course develops the student's ability to find and organize information used for decision-making and introduces a comprehensive marketing strategy approach where core business functions integrate with marketing activities. Prerequisites and Notes: Junior standing. Credits: 3

2. Update the prerequisites for BUS 4000.

BUS 4000 - Business Ethics. (3-0-3) On Demand. This course explores the complex relationships among business organizations, their stakeholders, and society by examining contemporary issues in business ethics and their impact on individuals, businesses, and the national and international economies. The course also addresses the effects and potential outcomes of individual ethical conduct in the business organization. Following an introduction to the philosophical foundations of business ethics, students will focus on the organizational decision process to identify, analyze, and resolve simple and complex ethical dilemmas in business. Prerequisites and Notes: BUS 2750, BUS 3010, BUS 3200 (or BUS 3970), and admission to the School of Business. [Prerequisites may not be taken concurrently with the course.] Credits: 3

3. Revise the course title for FCS 3300.

FCS 3300 - ~~Consumer Education.~~ Personal and Family Finance. (3-0-3) F, S. A study of factors affecting the buymanship of food, clothing, housing, transportation, credit, and insurance. Credit not granted for both FCS 3300 and CTE 3000. Credits: 3

CEPS

Effective Summer 2014

1. Cross list ELE 4850 with MLE.

ELE 4850 - Exploring English Language Learners through Study Abroad/Study Away Experiences. (1-0-1) Su. This course is for students registered for the study abroad or study away programs coordinated by the Early Childhood, Elementary and Middle Level education department. These study abroad/study away programs are in settings with high levels of language diversity and will provide a background regarding the programs designed to meet the needs of the growing population of English Language Learners. Co-requisites: Must be registered to participate in Study Abroad/Study Away programs with field experiences in school settings with high levels of language diversity. Course may be repeated once with credit. **Cross-listed with MLE 4850.** Credits: 1

MLE 4850 - Exploring English Language Learners through Study Abroad/Study Away Experiences. (1-0-1) Su. This course is for students registered for the study abroad or study away programs coordinated by the Early Childhood, Elementary and Middle Level education department. These study abroad/study away programs are in settings with high levels of language diversity and will provide a background regarding the programs designed to meet the needs of the growing population of English Language Learners. Co-requisites: Must be registered to participate in Study Abroad/Study Away programs with field experiences in school settings with high levels of language diversity. Course may be repeated once with credit. **Cross-listed with ELE 4850.** Credits: 1

2. Cross list ELE 4890 with MLE.

ELE 4890 - Culturally and Linguistically Diverse Students/English Language Learners: Instructional Methods. (3-0-3) This course is designed to provide teacher candidates with the knowledge, skills and dispositions to effectively organize and implement instructional methods for students that are culturally and linguistically diverse (CLD) and/or English Language Learners (ELL). Teacher candidates will research and reflect on various methods and strategies to design instruction to meet the needs of students who are considered CLD/ELL and who may have varying levels of language proficiency. This course is restricted to teacher Education candidates who have successfully met the University Teacher Education requirements and department requirements and have met all the prerequisites. Prerequisites & Notes: Early Childhood: ELE 3281 and ELE 4775; or Elementary Education: ELE 3280 and ELE 3350 or permission of the Department Chair. These prerequisite courses may be taken concurrently with the course. University Teacher Education requirements apply and department requirements for enrollment must be met. **Cross-listed with MLE 4890.** Credits: 3

MLE 4890 - Culturally and Linguistically Diverse Students/English Language Learners: Instructional Methods. (3-0-3) This course is designed to provide teacher candidates with the knowledge, skills and dispositions to effectively organize and implement instructional methods for students that are culturally and linguistically diverse (CLD) and/or English Language Learners (ELL). Teacher candidates will research and reflect on various methods and strategies to design instruction to meet the needs of students who are considered CLD/ELL and who may have varying levels of language proficiency. This course is restricted to teacher Education candidates who have successfully met the University Teacher Education requirements and department requirements and have met all the prerequisites. Prerequisites & Notes: Early Childhood: ELE 3281 and ELE 4775; or Elementary Education: ELE 3280 and ELE 3350 or permission of the Department Chair. These prerequisite courses may be taken concurrently with the course. University Teacher Education requirements apply and department requirements for enrollment must be met. **Cross-listed with ELE 4890.** Credits: 3

Attachment A**Psychology (B.A.)****Total Semester Hours required for the Degree: 120 semester hours****Major****Semester Hours required for the Psychology Major: 36-39 semester hours depending on the Math requirement**

Criteria for admission to the Psychology Major:

1. Completion of MAT 1271 or higher level math course, with a grade of C or better; or ACT mathematics score of 26 or higher.
2. Completion of PSY 1879G (or equivalent) with a grade of C or better.

The requirements of the Psychology BA are composed of core courses; selected courses from the Abnormal/Social, Biopsychology, Cognitive/Learning, and Development groups; and electives.

Core Courses for the Psychology Major: 15-18 semester hours depending on the Math requirement

- MAT 1271 - College Algebra. Credits: 3
or higher level math course, or ACT math score of 26 or higher
- PSY 1879G - Introductory Psychology. Credits: 3
- PSY 2610 - Statistical Methods of Psychology. Credits: 4
- PSY 2999 - Orientation to the Psychology Major. Credits: 1
- PSY 3805 - Research Methods and Experimental Design. Credits: 4

One of the following courses to meet the capstone requirement (See footnote 1) – 3 hours

- ~~PSY 4100A – Supervised Research in Psychology. Credits: 1 to 6
or PSY 4100B or PSY 4100D or PSY 4100E~~
- PSY 4250 - History and Systems. Credits: 3
- PSY 4260 - Crisis Intervention. Credits: 3
- PSY 4270 - Theories of Psychotherapy. Credits: 3
- PSY 4515 - Children with Exceptionalities. Credits: 3
- PSY 4590 - Psychology Seminar. Credits: 3
- PSY 4644 - Honors Thesis. Credits: 3
- PSY 4666 - Honors Seminar. Credits: 3
- PSY 4700 - Prejudice and Discrimination. Credits: 3

Group A. Abnormal/Social Group – 6 hours

At least two courses from

- PSY 3590 - Theories of Personality. Credits: 3
- PSY 3780 - Abnormal Psychology. Credits: 3
- PSY 3870 - Social Psychology. Credits: 3

Group B. Biopsychology Group – 3 hours

At least one course from

- PSY 3310 - Biological Psychology. Credits: 3
- PSY 3680 - Sensation and Perception. Credits: 3
- **PSY 3820 - Cognitive Neuroscience. Credits: 3**

Group C. Cognitive/Learning Group – 3 hours

At least one course from

- PSY 3620 - Psychology of Learning. Credits: 3
- PSY 3830 - Cognitive Processes. Credits: 3

Group D. Developmental Group – 3 hours

At least one course from

- PSY 3515 - Child Psychology. Credits: 3
- PSY 3521 - Psychology of Adolescence and Young Adulthood. Credits: 3
- PSY 3525 - Psychology of Maturity and Old Age. Credits: 3

Electives – 6 hours

Six semester hours from any Psychology Courses² except Psychology 4274 and 4275.

Footnotes:

¹ Capstone Requirement: Graduation with a major in psychology requires the completion of a capstone experience entailing four components:

1. Oral presentation of information about psychology
2. Engagement with original primary literature in psychology
3. Written communication of information about psychology
4. Critical and integrative thinking about psychology

The capstone requirement must be met after the student has completed 90 semester hours and PSY 3805 - Research Methods and Experimental Design, with a grade of C or better.

The capstone requirement may also be met by completing individual components in other classes (**e.g., PSY 4100**), or by non-class activities. **In class activities must be approved as capstone components ahead of time by the class instructor. Other All activities outside of a capstone course must have the approval of the department chair. See the Psychology Department website (<http://www.eiu.edu/~psych>) for examples of activities that may qualify as components of the capstone requirement.**

² No more than 3 semester hours each of PSY 3900A-E or PSY 4100A-E may count toward this requirement.

A grade of C or better is required in all courses counting towards the Major.

(Major GPA based on all psychology courses taken at EIU)

Majors are required to complete the department's exit evaluation at least 10 days prior to the closing date of the last term of graduation.

Attachment B**Psychology Minor****Semester Hours required for the Psychology Minor: 18 semester hours**

Goals of the Psychology Minor:

1. Expose students to the major content domains of psychology.
2. Provide an opportunity for students to meet their educational or career goals.

Requirements

A grade of C or better is required in all courses counting towards the minor.

PSY 1879G

- PSY 1879G - Introductory Psychology. Credits: 3

And two courses (6 credits) from the following list (courses have to be from two different groups):**Group A. Abnormal/Social Group:**

- PSY 3590 - Theories of Personality. Credits: 3
- PSY 3780 - Abnormal Psychology. Credits: 3
- PSY 3870 - Social Psychology. Credits: 3

Group B. Biopsychology Group:

- PSY 3310 - Biological Psychology. Credits: 3
- PSY 3680 - Sensation and Perception. Credits: 3
- **PSY 3820 – Cognitive Neuroscience. Credits: 3**

Group C. Cognitive/Learning Group:

- PSY 3620 - Psychology of Learning. Credits: 3
- PSY 3830 - Cognitive Processes. Credits: 3

Group D. Developmental Group:

- PSY 3515 - Child Psychology. Credits: 3
- PSY 3521 - Psychology of Adolescence and Young Adulthood. Credits: 3
- PSY 3525 - Psychology of Maturity and Old Age. Credits: 3

And 9 Semester Hours of Electives in Psychology

Electives in Psychology selected to meet the particular educational goals of individual students in consultation with a Psychology advisor. Electives may be chosen from the groups listed above or from the electives for the major.

Attachment C**Biological Sciences (B.S.)****Total Semester Hours required for the Degree: 120 semester hours****Major****Semester Hours required for the Biological Sciences Major: 81-82 semester hours****Core Requirements:**

- BIO 1100 - General Biology. Credits: 4
- BIO 1150 - Biology Forum Credits: 1
- BIO 1200G - General Botany. Credits: 4
- BIO 1300G - Animal Diversity. Credits: 4
- BIO 3120 - Molecular and Cellular Biology. Credits: 4
- BIO 3200 - Genetics. Credits: 4
- BIO 3510 - Plant Physiology. Credits: 4
- or
- BIO 3520 - Animal Physiology. Credits: 4
- or
- **BIO 2220 – Anatomy and Physiology II. Credits: 4**
(Note: BIO 2210 must be taken first and counted as an elective.)
- BIO 3800 - Ecology. Credits: 4
- BIO 4984 - Organic Evolution. 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
- MAT 1441G - Calculus and Analytic Geometry I. Credits: 5
(See footnote *)
- 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

AND

- CHM 2430 - Survey of Organic Chemistry. Credits: 3
- CHM 2435 - Survey of Organic Chemistry Laboratory. Credits: 1

OR

- CHM 2440 - Organic Chemistry I. Credits: 3
- CHM 2445 - Organic Chemistry Laboratory I. Credits: 1

AND

- BIO 4750 - Biometrics. Credits: 3
- OR
- MAT 2250G - Elementary Statistics. Credits: 4

Electives:

Biological Sciences majors must also complete 21 sh of elective course work in Biological Sciences (with the exception of BIO 3400, BIO 4275, workshops, and courses designed for General Education with the exception of BIO 3888G) or Mathematics or Physical Sciences courses above 2000 (with the exception of general education and CHM 2310). A minimum of 15 sh must be taken in the Biological Sciences.

Footnotes:

*Students not prepared for this course will be required to take additional prerequisite math classes.

(Major GPA based on all biological sciences courses taken at EIU)

Attachment D**Clinical Laboratory Science (B.S.)****Total Semester Hours required for the Degree: 120 semester hours**

This cooperative degree program, administered by the Pre-Health Professions Advisor, leads to the Bachelor of Science degree. It is a four-year program including three years of college courses followed by one year of work in an affiliated hospital. The degree requires 120 semester hours of credit including 90 semester hours at EIU (or a combination of transfer credits and credits earned at Eastern totaling 90 semester hours) and 32 semester hours credit for successful completion of a one-year program in clinical laboratory science at a National Accrediting Agency for Clinical Laboratory Science (NAACLS) affiliated hospital. Upon successful completion of the hospital work, the student becomes a candidate for a Bachelor of Science degree in Clinical Laboratory Science and is eligible to take the certifying examinations of the American Society of Clinical Pathologists (ASCP) for registry as a Medical Laboratory Scientist. The clinical hours taken at the affiliated hospital will be treated as courses taken at EIU counting in residency hours and will be included in EIU grade point average. Since the clinical hours are treated as EIU residency hours, CLS majors are required to satisfy the standard 42 EIU residency hours, the 32 hour junior/senior year and 12 hour senior year residency hours despite being cooperative degree students. EIU cannot guarantee admission to any of its affiliated hospitals.

Major**Semester Hours required for the Clinical Laboratory Science Major: 82-89 semester hours**

The Clinical Laboratory Science Major comprises:

Biology Requirements (24 hours)

- BIO 1100 - General Biology. Credits: 4
- BIO 1300G - Animal Diversity. Credits: 4
- BIO 3120 - Molecular and Cellular Biology. Credits: 4
- BIO 3210 - Immunology. Credits: 4
- BIO 3300 - General Microbiology. Credits: 4

AND

- BIO 2001G - Human Physiology. Credits: 4
OR
- BIO 3520 - Animal Physiology. Credits: 4
OR
- **BIO 2220 – Anatomy and Physiology II. Credits: 4**
(Note: BIO 2210 must be taken first and counted as an elective.)

Chemistry Requirements (16-18 hours)

16 Credits of Chemistry through Organic with lab to include:

- 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

Then Either

- CHM 2440 - Organic Chemistry I. Credits: 3
- CHM 2445 - Organic Chemistry Laboratory I. Credits: 1
- CHM 2840 - Organic Chemistry II. Credits: 3
- CHM 2845 - Organic Chemistry Laboratory II. Credits: 1

OR

- CHM 2430 - Survey of Organic Chemistry. Credits: 3
- CHM 2435 - Survey of Organic Chemistry Laboratory. Credits: 1
- CHM 2730 - Quantitative Analysis. Credits: 3
- CHM 3300 - Survey of Biochemistry. Credits: 3

Mathematics Requirements (4-7 hours)

- MAT 1271 - College Algebra. Credits: 3
or Equivalent Math Placement Test Level
- MAT 2250G - Elementary Statistics. Credits: 4

Clinical Laboratory Science Electives (6 hours)

Choose two electives (a minimum of 6 s.h. required) from:

- ~~BIO 2200 - Human Anatomy. Credits: 4~~
- **BIO 2210 – Anatomy and Physiology I. Credits: 4**
- BIO 3200 - Genetics. Credits: 4
- BIO 3624 - Histology. Credits: 3
- BIO 3740 - Clinical Mycology. Credits: 3
- BIO 4836 - Pathogenic Microbiology. Credits: 4
- BIO 4958 - Parasitology. Credits: 4
- BUS 1950 - Computer Concepts and Applications for Business. Credits: 3
- BUS 3010 - Management and Organizational Behavior. Credits: 3
- 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

Clinical Laboratory Science Requirements (32 hours)

These courses are to be taken at affiliated hospital.

- CLS 4000 - Clinical Chemistry I. Credits: 4 to 6
- CLS 4005 - Clinical Chemistry II. Credits: 2 to 5
- CLS 4010 - Clinical Hematology. Credits: 4 to 6
- CLS 4020 - Clinical Hemostasis. Credits: 1 to 2
- CLS 4030 - Clinical Immunohematology. Credits: 3 to 5
- CLS 4040 - Clinical Immunology. Credits: 2 to 3
- CLS 4050 - Clinical Microbiology I. Credits: 5 to 6
- CLS 4055 - Clinical Microbiology II. Credits: 2 to 3
- CLS 4060 - Special Topics in Clinical Laboratory Science. Credits: 1
- CLS 4070 - Clinical Management and Education. Credits: 1

Footnotes:

(Major GPA based on all courses listed as appropriate for meeting major requirements)

- Student must have completed 90 hours before beginning clinicals; must average 15 credits/semester.
- CLS students must meet foreign language requirements.
- CLS students must meet math requirement (MAT 1271 or equiv).

CLS students will not be required to take a senior seminar because the terminal year is taken off-campus.