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## Agenda for the March 9, 2017 CAA Meeting

- Items Approved:** 17-58, CAA's recommendations for programs considered for elimination or reorganization.  
17-61, MUS 3553G, Survey of Western Musical Masterworks (Revised Course; Online Delivery)  
17-62, MUS 3593G, Survey of Western Musical Masterworks, Honors (Revised Course; Online Delivery)  
17-63, MUS 3584, Music History & Literature I (Revised Course)  
17-64, MUS 3594, Music History & Literature I, Honors (Revised Course)  
17-65, MUS 3585, Music History & Literature II (Revised Course)  
17-66, MUS 3595, Music History & Literature II, Honors (Revised Course)  
17-67, MUS 4601A, B, D, Independent Study In Pedagogy and Literature (New Course)  
17-68, MUS 4760, Seminar and Practicum in Music Instruction (New Course)  
17-69, Music Minor (Revised Minor)  
17-70, Music with Performance Option (Revised Option)  
17-84, Music Major, Open Studies Concentration and Music Theory and Composition Concentration (Revised Major and Concentrations).  
17-73, FCS 3755, Nutrition Across the Lifespan (Revised Course)  
17-74, FCS 3756, Program Development for Community Nutrition (Revised Course)  
17-75, FCS 3757, Nutrition for Physical Performance (was FCS 4755) (Revised Course; Online Delivery)  
17-76, FCS 4749, Nutrition Therapy (was FCS 4751) (Revised Course)  
17-77, FCS 4750, Advanced Human Nutrition (Revised Course)  
17-78, BIO 3155G, Introduction to Evolutionary Medicine (New Course; Online Delivery)  
17-79, BIO 4833, Neurobiology of Diseases (New Course)  
17-80, BIO 4835, Advanced Neurobiology (New Course)  
17-81, Biological Sciences Major (Revised Major)  
17-82, Biological Science Minor (Revised Minor)  
17-83, Neuroscience (New Major)
- Items Pending:** 17-71, Human Resource Management Minor (New Minor)  
17-72, BSB in Business Administration (Revised Major; Extend the degree to an online degree completion program)
- Withdrawn:** 17-59, CTE 4913, Organization and Administration of Cooperative Occupational Education (Revised Course)  
17-60, CTE 4923, Coordination Techniques for Cooperative Occupational Education (Revised Course)
- Ongoing:** Multi-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)
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### Council on Academic Affairs Minutes March 9, 2017

The March 9, 2017 meeting of the Council on Academic Affairs was held at 2:03 p.m. in the Room 4440 at Booth Library.

- Members Present:** Mr. Aydt, Dr. Aylesworth, Dr. Bruehler, Dr. Kronenfeld, Dr. Paulson, Dr. Ruholl, Dr. Throneburg, Dr. Yordanov, and Mr. Young.
- Members Absent:** Dr. Rhoads and Dr. Wilkinson.
- Staff Present:** Provost Lord and Ms. Fopay.
- Guests Present:** Dr. Jeanette Andrade, Family & Consumer Sciences; Dr. Melanie Burns, Family & Consumer Sciences; Dr. Jonelle DePetro, Philosophy; Dr. Ann Fritz, Biological Sciences; Dr. Shellie Gregorich, Music; Mr. Jason Hardimon, Daily Eastern News; *Daily Eastern News*; Dr. John Mace, Psychology; Associate Dean Chris Mitchell, College of Arts & Humanities; and Dr. Britto Nathan, Biological Sciences.

#### I. Approval of the March 2, 2017 CAA Meeting Minutes.

Dr. Yordanov moved and Dr. Paulson seconded the motion to approve the minutes. The minutes of March 2, 2017, were approved as written.

#### II. Communications:

##### a. College Curriculum Committee Minutes:

1. Minutes of the February 27, 2017 College of Education & Professional Studies Curriculum Committee meeting.

2. Minutes of the February 27, 2017 Lumpkin College of Business & Applied Sciences Curriculum Committee electronic meeting.

**b. Executive Actions:**

1. March 2, 2017 memorandum from Interim Associate Dean Mitchell, CAH, requesting executive action to add the online delivery mode to PHI 3260.
2. March 2, 2017 memorandum from Interim Associate Dean Mitchell, CAH, requesting executive action to add HIS 3160 and HIS 4785 to the list of electives for the Asian Studies Minor.
3. March 3, 2017 memorandum from Interim Associate Dean Mitchell, CAH, requesting executive action to change when THA 3431 is offered from "Fall" to "On Demand."
4. March 3, 2017 memorandum from Interim Associate Dean Mitchell, CAH, requesting executive action to revise the course title and descriptions for THA 33611, 33612, and 33613.
5. March 6, 2017 memorandum from Dean Izadi, LCBAS, requesting executive action to add the online delivery mode to CTE 4913 and CTE 4923.
6. March 7, 2017 memorandum from Dean Klarup, COS, requesting executive action to add the online delivery mode to BIO 2002G and BIO 4842.
7. March 7, 2017 memorandum from Dean Klarup, COS, requesting executive action to revise the course prerequisites for several Biological Sciences courses.
8. March 7, 2017 memorandum from Dean Klarup, COS, requesting executive action to replace BIO 3800 with BIO 3180 in the Biological Sciences: Environmental Biology Major and Minor.
9. March 7, 2017 memorandum from Dean Klarup, COS, requesting executive action to delete GEO 3425, 4450, and 4892 from the catalog.
10. March 7, 2017 memorandum from Dean Klarup, COS, requesting executive action to add the online delivery mode to PSY 3260, 3530, 3720, 3870, 4250, 4260, 4270, 4275, 4515, and 4700.

**c. Waiver Reports:**

1. Academic Waiver Reports for February 2017 from the Lumpkin College of Business & Applied Sciences, College of Arts & Humanities, College of Education & Professional Studies, and College of Sciences.

**III. Item Added to the Agenda**

1. 17-84, Music Major (Revised Major)

Mr. Young moved and Dr. Aylesworth seconded the motion to add this item to the agenda.

Dr. Paulson moved and Dr. Aylesworth seconded the motion to suspend the bylaws so this item could be acted upon along with the other Music proposals at today's meeting.

**IV. Items Acted Upon:**

1. **17-58, CAA's recommendations for programs considered for elimination or reorganization.**

The recommendations were created based on the discussion held at the February 16, 2017 CAA meeting. There were no questions about the proposal at today's meeting.

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

YES: Aydt, Aylesworth, Bruehler, Kronenfeld, Paulson, Ruholl, and Yordanov  
NO: None  
ABSTAIN: Throneburg and Young

The proposal (**See Attachment A**) was approved.

The recommendations will be forwarded to President Glassman.

2. **17-61, MUS 3553G, Survey of Western Musical Masterworks (Revised Course; Online Delivery).**  
Dr. Gregorich presented the proposal and answered questions of the council. The council requested revisions to the proposal.

Mr. Young moved and Dr. Paulson seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Summer 2017.

**MUS 3553G. Survey of Western Musical Masterworks. (3-0-3) Western Musical Masterworks.** Important compositions of Western Classical Music will be examined. Compositions will be selected from at least four different stylistic periods. Freshmen music majors are permitted take this course. Equivalent Course: MUS 3593G. WA

3. **17-62, MUS 3593G, Survey of Western Musical Masterworks, Honors (Revised Course; Online Delivery).**  
Dr. Gregorich presented the proposal and answered questions of the council. The council requested revisions to the proposal.

Dr. Aylesworth moved and Dr. Bruehler seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Summer 2017.

**MUS 3593G. Survey of Western Musical Masterworks, Honors. (3-0-3) West Music Masterwork, Hon.** Important compositions of Western Classical Music will be examined. Compositions will be selected from at least four different stylistic periods. Freshmen music majors are permitted take this course. Prerequisites: Admission to the University Honors Program. Equivalent Course: MUS 3553G. WI

4. **17-63, MUS 3584, Music History & Literature I (Revised Course).**  
Dr. Gregorich presented the proposal and answered questions of the council. The council requested revisions to the proposal.

Dr. Kronenfeld moved and Mr. Young seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Fall 2017.

**MUS 3584. Music History and Literature I. (3-0-3) F, S.** Music history and literature from the Medieval through the Baroque Period. Prerequisite: MUS 3553G or MUS 3593G with a "C" or better, or permission of instructor. Equivalent Course: MUS 3594. WI

5. **17-64, MUS 3594, Music History & Literature I, Honors (Revised Course).**  
Dr. Gregorich presented the proposal and answered questions of the council. The council requested revisions to the proposal.

Dr. Aylesworth moved and Dr. Paulson seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Fall 2017.

**MUS 3594. Music History and Literature I, Honors. (3-0-3) F, S. Music Hist/Lit. I, Honors.** Music history and literature from the Medieval through the Baroque Period. Prerequisite: MUS 3553G or MUS 3593G with a "C" or better, or permission of instructor; and admission to Departmental Honors. Equivalent Course: MUS 3584. WI

**6. 17-65, MUS 3585, Music History & Literature II (Revised Course).**

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

Dr. Paulson moved and Dr. Kronenfeld seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Fall 2017.

**MUS 3585. Music History and Literature II. (3-0-3) F, S.** Music history and literature from the Classical Period to the Present Day. Prerequisite: MUS 3584 or MUS 3594 with a "C" or better, or permission of instructor. Equivalent Course: MUS 3595. WI

**7. 17-66, MUS 3595, Music History & Literature II, Honors (Revised Course).**

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

Dr. Kronenfeld moved and Dr. Bruehler seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Fall 2017.

**MUS 3595. Music History and Literature II, Honors. (3-0-3) F, S. Music Hist/Lit. II, Honors.** Music history and literature from the Classical Period to the Present Day. Prerequisites: MUS 3584 or MUS 3594 with a "C" or better, or permission of instructor; and admission to Departmental Honors. Equivalent Course: MUS 3585. WI

**8. 17-67, MUS 4601A, B, D, Independent Study In Pedagogy and Literature (New Course).**

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

Dr. Yordanov moved and Dr. Aylesworth seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Fall 2017.

**MUS 4601A, B, D. Independent Study in Pedagogy and Literature. (Arr.-Arr.-2) On Demand. Pedagogy and Literature.** Classroom instruction in teaching concepts and techniques of pedagogy on specific instruments or voices. Appropriate literature for various levels of instruction will be considered. Students will register for this independent study with their applied studio teacher. Prerequisite: Permission of Instructor. May be repeated once with credit. The course is restricted to students in the Music with Performance Option. WA

**9. 17-68, MUS 4760, Seminar and Practicum in Music Instruction (New Course).**

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

Dr. Yordanov moved and Dr. Paulson seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Spring 2018, *pending CGS approval.*

**MUS 4760. Seminar and Practicum in Music Instruction. (2-0-2) S. Music Instruction.** Course focuses on preparation for private and group music instruction at a variety of levels. Includes observations, giving and receiving critical feed-back, and hands on music instruction. The course is restricted to students enrolled in the MA in Music program and juniors and seniors enrolled in the music major.

**10. 17-69, Music Minor (Revised Minor).**

Dr. Gregorich presented the proposal. There were no questions.

Dr. Kronenfeld moved and Mr. Aydt seconded the motion to approve the proposal. The motion passed unanimously.

The proposal (**See Attachment B**) was approved, effective Fall 2017.

**11. 17-70, Music with Performance Option (Revised Option).**

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

Dr. Paulson moved and Dr. Aylesworth seconded the motion to approve the proposal. The motion passed unanimously.

The proposal (**See Attachment C**) was approved, effective Fall 2017.

**12. 17-84, Music Major, Open Studies Concentration and Music Theory and Composition Concentration (Revised Major and Concentrations).**

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

Dr. Aylesworth moved and Dr. Paulson seconded the motion to approve the proposal. The motion passed the following vote:

YES: Aydt, Aylesworth, Kronenfeld, Paulson, Ruholl, Throneburg, and Yordanov, Young  
NO: None  
ABSTAIN: Bruehler

The proposal (**See Attachment D**) was approved, effective Fall 2017.

**13. 17-73, FCS 3755, Nutrition Across the Lifespan (Revised Course).**

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

Dr. Yordanov moved and Dr. Paulson seconded the motion to approve the proposal. The motion passed unanimously.

The proposal was approved, effective Fall 2017.

**FCS 3755. Nutrition Across the Lifespan. (3-0-3) On Demand.** Concepts of normal human nutrition with emphasis on nutrient needs throughout the lifespan. Prerequisite: FCS 2100 or its equivalent. Restricted to students in the BS in FCS: Dietetics Option . A limit of 3 hours may be applied to a major or minor.

**14. 17-74, FCS 3756, Program Development for Community Nutrition (Revised Course).**

Dr. Andrade presented the proposal. There are no questions.

Mr. Young moved and Dr. Kronenfeld seconded the motion to approve the proposal. The motion passed unanimously.

The proposal was approved, effective Fall 2017.

**FCS 3756. Program Development for Community Nutrition. (3-0-3) On Demand.** Factors influencing human nutrition needs and eating patterns and related counseling and educational techniques for use in the community setting. Prerequisite: FCS 2100 or its equivalent. Restricted to students in the BS in FCS: Dietetics Option and BS in Health Studies. A limit of 3 hours may be applied to a major or minor.

**15. 17-75, FCS 3757, Nutrition for Physical Performance (was FCS 4755) (Revised Course; Online Delivery).**

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

Dr. Aylesworth moved and Mr. Aydt seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Fall 2017. **NOTE: FCS 4755 will be deleted as this is a course number change for that course**

**FCS 3757. Nutrition for Physical Performance. (3-0-3) On Demand. Nutrition/Physical Performance.** Examination of metabolism and energy systems related to physical performance. Plan optimal diets for performance. Examination and evaluation of controversial practices that may influence metabolism and performance. Prerequisite: FCS 2100 or its equivalent. Restricted to students in the BS in FCS: Dietetics Option, BS in Kinesiology & Sports Studies: Exercise Science Concentration, and BS in Athletic Training. A limit of 3 hours may be applied to a major or minor.

**16. 17-76, FCS 4749, Nutrition Therapy (was FCS 4751) (Revised Course).**

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

Note: Dr. Yordanov left the meeting at 3:00 p.m.

Dr. Bruehler moved and Dr. Paulson seconded the motion to approve the proposal. The motion passed unanimously.

The proposal was approved, effective Fall 2017. **NOTE: FCS 4751 will be deleted as this is a course number change for that course.**

**FCS 4749. Nutrition Therapy. (4-0-4) On Demand.** Application of the science of nutrition to the maintenance of optimum health and the role of nutrition in the prevention and treatment of disease. Prerequisite: FCS 3755 or permission of the instructor. Restricted to BS in FCS: Dietetics Option.

Note: Dr. Yordanov returned to the meeting at 3:05 p.m.

**17. 17-77, FCS 4750, Advanced Human Nutrition (Revised Course).**

Dr. Andrade presented the proposal and answered questions of the council. The council requested a revision to the proposal.

Mr. Young moved and Dr. Aylesworth seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revision, was approved, effective Fall 2017, *pending CGS approval.*

**FCS 4750. Advanced Human Nutrition. (3-0-3) On Demand.** Emphasis on biochemical functions of nutrients in the study of human nutrition. Prerequisite: FCS 3755 or permission of the instructor. Restricted to students in the BS in FCS: Dietetics Option and MSND: Nutrition Education Option.

**18. 17-78, BIO 3155G, Introduction to Evolutionary Medicine (New Course; Online Delivery).**

Dr. Fritz presented the proposal. There were no questions.

Dr. Aylesworth moved and Dr. Paulson seconded the motion to approve the proposal. The motion passed unanimously.

The proposal was approved, effective Summer 2017.

**NOTE: BIO 3155G will be placed under the Biological Sciences component of the Scientific Awareness segment of General Education.**

**BIO 3155G. Introduction to Evolutionary Medicine. (3-0-3) On Demand. Evolutionary Medicine Intro.** A survey of current topics in evolutionary medicine, such as cancer treatment, antibiotic resistance, asthma and diseases of civilization will be explored and analyzed using the mechanisms of evolution natural selection, generation of biological traits and evolutionary history "mismatch" to current lifestyles affecting human biology today. Restricted to off-campus students that are non-Biological Sciences majors and minors.

**19. 17-79, BIO 4833, Neurobiology of Diseases (New Course).**

Dr. Britto presented the proposal. There were no questions.

Dr. Paulson moved and Dr. Kronenfeld seconded the motion to approve the proposal. The motion passed unanimously.

The proposal was approved, effective Summer 2017, *pending CGS approval.*

**BIO 4833. Neurobiology of Diseases. (4-0-4) Su.** This course will cover in-depth the biology of important neurological and psychiatric diseases. Prerequisite: A grade of "C" or better in BIO 3120. May not have previously taken BIO5970D-001 (CRN#60736).

**20. 17-80, BIO 4835, Advanced Neurobiology (New Course).**

Dr. Nathan presented the proposal. There were no questions.

Dr. Aylesworth moved and Mr. Young seconded the motion to approve the proposal. The motion passed unanimously.

The proposal was approved, effective Spring 2018, *pending CGS approval.*

**BIO 4835. Advanced Neurobiology. (3-0-3) S.** This course will cover advanced topics on molecular, cellular and physiological aspects of brain structure and function during health and diseases. Prerequisite: A grade of "C" or better in BIO 4834. May not have previously taken BIO5460H-001 (CRN#33735) or BIO3960A-003 (CRN#32704).

**21. 17-81, Biological Sciences Major (Revised Major).**

Dr. Nathan presented the proposal. There were no questions.

Dr. Aylesworth moved and Dr. Kronenfeld seconded the motion to approve the proposal. The motion passed unanimously.

The proposal (**See Attachment E**) was approved, effective Fall 2017.

**22. 17-82, Biological Science Minor (Revised Minor).**

Dr. Nathan and Dr. Fritz presented the proposal. There were no questions.

Dr. Paulson moved and Mr. Young seconded the motion to approve the proposal. The motion passed unanimously.

The proposal (**See Attachment F**) was approved, effective Fall 2017.

**23. 17-83, Neuroscience (New Major).**

Dr. Mace presented the proposal. He answered questions and addressed concerns of the council.

Dr. Bruehler moved and Mr. Young seconded the motion to approve the proposal. The motion passed unanimously.

The proposal (**See Attachment G**) was approved, effective Fall 2018, *pending BOT and IBHE approvals.*

**V. Committee Reports:**

None.

**VI. Withdrawn:**

1. 17-59, CTE 4913, Organization and Administration of Cooperative Occupational Education (Revised Course)
2. 17-60, CTE 4923, Coordination Techniques for Cooperative Occupational Education (Revised Course)

**NOTE:** These items were removed from the agenda per the request of Dr. Cheney, Chair of the School of Technology. The only change to the courses was to add the online delivery mode to them, so an executive action request was submitted instead (See II, b, 5 above).

**VII. Pending:**

Note: These proposals will be acted upon at the March 23, 2017 CAA meeting.

1. 17-71, Human Resource Management Minor (New Minor)
2. 17-72, BSB in Business Administration (Revised Major; Extend the degree to an online degree completion program)

**VIII. Ongoing:**

1. Multi-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. Dr. Aylesworth and Dr. Yordanov seconded the motion to adjourn the meeting. The motion was approved by acclamation.

The meeting adjourned 4:17 p.m.

The next meeting will be held at 2:00 p.m. on Thursday, March 9, 2017.

*–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 \*\*\*\*\*  
March 23, 2016  
Room 4440, Booth Library @ 2:00 p.m.

**Agenda:**

1. 17-71, Human Resource Management Minor (New Minor)
2. 17-72, BSB in Business Administration (Revised Major; Extend the degree to an online degree completion program)

**Approved Executive Actions:**

None.

**Pending Executive Actions:**

**BAS**

**Effective Summer 2017**

1. Add the online delivery mode to CTE 4913 and CTE 4923.

**CAH**

**Effective Fall 2017**

1. Add the online delivery mode to PHI 3260.
2. Revise the course title and description for THA 33611.

**THA 33611 - ~~Theatre Production Topics I.~~ Topics in Technical Theatre I. (3-3-3) On Demand.** A production/technical course for the Theatre Arts Major. The course will function as an in-depth approach to ~~design or management~~ various aspects of theatre production. Topic varies based on production/student needs within the department. Prerequisites & Notes: THA 2210, 2211, or permission of the instructor. Credits: 3

3. Change the course title and description for THA 33612.

**THA 33612 - ~~Theatre Production Topics II.~~ Topics in Technical Theatre II. (3-3-3) On Demand.** A production/technical course for the Theatre Arts Major. The course will function as an in-depth approach to ~~design or management~~ various aspects of theatre production. Topic varies based on production/student needs within the department. Prerequisites & Notes: THA 2210, 2211, or permission of the instructor. Credits: 3

4. Amend the course title and description for THA 33613.

**THA 33613 - ~~Theatre Production Topics III.~~ Topics in Technical Theatre III. (3-3-3) On Demand.** A production/technical course for the Theatre Arts Major. The course will function as an in-depth approach to ~~design or management~~ various aspects of theatre production. Topic varies based on production/student needs within the department. Prerequisites & Notes: THA 2210, 2211, or permission of the instructor. Credits: 3

5. Change when THA 3431 is offered from "Fall" to "On Demand."

**THA 3431 - Children's Theatre Tour. (3-3-3) On Demand. F.** Introduces the student to the practical aspects of producing plays for young people. The focus of the course is on the development of a theatre piece which will then be presented to area students. Basic creative dramatics activities will be introduced. Prerequisites & Notes: May be taken twice for credit. Credits: 3

6. Add HIS 3160 and HIS 4785 to the list of electives for the Asian Studies Minor.

### **Asian Studies Minor**

The interdisciplinary Asian Studies minor is composed of a core list of courses with Asia-specific content. Double counting coursework is permitted by the minor in Asian Studies. Coursework constituting the Asian Studies minor may include Honors Programs course equivalents; existing prerequisites for courses must be satisfied. Transfer credit will only be accepted towards the minor for up to six credit hours in Asian language study.

### **Requirements:**

A minimum of 18 hours from the following list, with no more than three courses in any one single department. No more than three semester credit hours may be earned in independent study, research, internship, or study abroad towards the minor.

- ART 2012G - Asian Art. Credits: 3  
(See Footnote \*)
- ART 3611G - Art in India and Southeast Asia. Credits: 3
- ART 3612G - Art in China and Japan. Credits: 3
- ART 4400 - Independent Study I. Credits: 1 to 3  
(See footnote \*)
- ECN 4875 - Area Studies. Credits: 3  
(See footnote \*)
- ENG 3009G - Myth and Culture. Credits: 3  
(See footnote \*)
- ENG 3110G - Cultural Foundations II. Credits: 3  
(cross listed with PHI 3110G)
- ENG 3907 - Asian Literatures. Credits: 3
- ENG 4850 - Studies in Postcolonial and Third World Literatures. Credits: 3  
(See footnote \*)
- FLC 1101 - Elementary Chinese I. Credits: 4
- FLC 1102 - Elementary Chinese II. Credits: 4
- GEO 3055 - Geography and Culture of Asia. Credits: 3
- HIS 3130 - Iraq and the Ancient Near East. Credits: 3
- HIS 3160 - Ancient Iran. Credits: 3**
- HIS 3200 - Islamic History. Credits: 3
- HIS 3210 - History of the Modern Middle East. Credits: 3
- HIS 3320 - History of Modern China. Credits: 3
- HIS 3330 - Modern East Asia in the Pacific Century. Credits: 3
- HIS 44001 - Independent Study in History I. Credits: 1 to 4  
or HIS 44002  
(See footnote \*)
- HIS 4775A - Selected Topics in History A. Credits: 2 to 3  
or HIS 4775B  
(See footnote \*)
- HIS 4781 - The Arab-Israeli Conflict. Credits:
- HIS 4782 - Modern Iran. Credits:
- HIS 4785 - Crusade and Jihad: Religious Violence in the Islamo-Christian Tradition. Credits: 3**
- HIS 4870 - The Two Koreas. Credits: 3
- HIS 4880 - Modern Japan: From Samurai to Freeters. Credits: 3
- HIS 4980 - The Vietnam War: An American and Vietnamese Ordeal. Credits: 3
- PHI 2010 - Eastern Philosophies. Credits: 3
- PHI 3110G - Cultural Foundations II. Credits: 3  
(cross listed with ENG 3110G)
- PHI 3310 - Indian Philosophy. Credits: 3
- PHI 3320 - Chinese Philosophy. Credits: 3
- PHI 3680 - Buddhism. Credits: 3

- PHI 4400A - Independent Study I. Credits: 1 to 6  
or PHI 4400B or PHI 4400D  
(See footnote \*)
- PLS 3343 - Government and Politics of the Middle East. Credits: 3
- PLS 3363 - Government and Politics in Asia-Pacific Rim. Credits: 3
- PLS 3863A - Special Topics in Political Science. Credits: 3  
(See footnote \*)
- PLS 3863B - Special Topics in Political Science. Credits: 3  
(See footnote \*)
- PLS 3863D - Special Topics in Political Science. Credits: 3  
(See footnote \*)
- PLS 4503 - Independent Study. Credits: 1 to 6  
(See footnote \*)
- STA 3960 - Study Abroad: Exchange. Credits: 1 to 16  
(See footnote \*)
- STA 3961 - Study Abroad: One-Way. Credits: 1 to 16  
(See footnote \*)
- STA 3970 - Study Abroad: Faculty-Led. Credits: 1 to 16  
(See footnote \*)
- WST 4800 - Non-western Feminisms: Gender, Culture, and Nation. Credits: 3  
(See footnote \*)

**Footnotes:**

\* Courses MUST be pre-approved by the Asian Studies minor Coordinator to ensure the appropriate level of Asian content.

**COS****Effective Summer 2017**

1. Add the online delivery mode to PSY 3260, 3530, 3720, 3870, 4250, 4260, 4270, 4275, 4515, and 4700.

**COS****Effective Fall 2017**

1. Add the online delivery mode to BIO 2002G and BIO 4842.
2. Revise the course prerequisites for BIO 4812.

**BIO 4812 - Fisheries Ecology and Management.** (2-3-3) Relationships of fish with biotic and abiotic components of their environment. Role of fishes in aquatic ecosystems and current management strategies. Prerequisites & Notes: ~~BIO 3800~~ **BIO3180**; BIO 4750 recommended. Credits: 3

3. Update the course prerequisites for BIO 4814.

**BIO 4814 - Conservation Biology.** (3-0-3) Study of the application of ecological and genetic principles to the preservation and conservation of biological diversity. Topics will include the demography and genetics of small populations, population viability, island biogeography, and the design of nature reserves. WI Prerequisites & Notes: BIO 3200 and ~~BIO 3800~~ **BIO3180**. Credits: 3

4. Change the course prerequisites for BIO 4816.

**BIO 4816 - Study of Biotic Communities.** (2-Arr.-3) The study of selected biotic communities in Illinois and surrounding states. May be repeated for credit if a different topic is taught. Prerequisites & Notes: Major in Biological Sciences; 12 semester hours in Biological Sciences including ~~BIO 3800~~ **BIO3180** or 4810; or permission of the instructor. Credits: 3

5. Revise the course prerequisites for BIO 4842.

**BIO 4842 - Wildlife Ecology and Management. (3-0-3) S.** Principles of managing wildlife resources with emphasis on population ecology, habitat management and the social context of wildlife management. Prerequisites & Notes: **BIO 3800** **BIO3180** or permission of instructor. Credits: 3

6. Amend the course prerequisites for BIO 4850.

**BIO 4850 - Wildlife Techniques. (2-3-3) F.** Instruction in current field, lab and analytical techniques in wildlife biology. This will include: population and biodiversity estimation, capture and marking, behavioral observations, age estimation, condition assessment, biotelemetry, and habitat assessment. BIO 5372 and BIO 3960 are equivalent courses. Students will not be allowed to earn credit in BIO 4850 if they already have received credit for BIO 5372 or BIO 3960. Grade and credit hours for this course will be removed if student already has credit for those courses. Prerequisites & Notes: Junior-level standing and "C" or better in BIO 3950 or **BIO 3800** **BIO3180**, or permission of instructor. BIO 4750 recommended. Credits: 3

7. Update the course prerequisites for BIO

**BIO 4950 - Ichthyology. (2-3-3)** Study of the anatomy, physiology, systematics and zoogeography of fishes. Prerequisites & Notes: **BIO 3800** **BIO3180** or BIO 3950 or permission of instructor. Credits: 3

8. Change the course prerequisites for BIO 4952.

**BIO 4952 - Herpetology. (2-3-3) S-even-numbered years.** A survey of the amphibian and reptilian classes, with emphasis on the extant herpetofauna of "Mid-West" region of the North America. Material presented in lecture will be supplemented with laboratory examinations of preserved specimens and field trips to regional sites for surveying available taxa. Prerequisites & Notes: **BIO 3800** **BIO3180** or BIO 3950 and junior-level standing. Credits: 3

9. Revise the course prerequisites for BIO 4954.

**BIO 4954 - Ornithology. (2-3-3)** The identification, classification, distribution, and natural history of Midwestern birds. WI Prerequisites & Notes: **BIO 3800** **BIO3180** or BIO 3950 or permission of instructor. Credits: 3

10. Change the course prerequisites for BIO 4956.

**BIO 4956 - Mammalogy. (2-3-3) F.** A study of mammals with emphasis on mammalian evolution, classification, distribution, physiology, natural history and ecology. Prerequisites & Notes: **BIO 3800** **BIO3180** or permission of the instructor. Credits: 3

11. Delete GEO 3425, 4450, and 4892 from the catalog.

~~**GEO 3425 - Engineering Geology. (2-2-3) F-even-numbered years.** Introduction to procedures used for site selection and design of engineering structures in the Earth. Introductory soil and rock mechanics and their use in analysis of structures will be emphasized. Prerequisites & Notes: GEO 1300G or GEO 1320G or GEO 1390G or permission of instructor; PHY 1151G and PHY 1152G or PHY 1351G and PHY 1352G. Credits: 3~~

~~**GEO 4450 - Well Log Interpretation. (2-2-3) On-Demand.** Fundamental principles of open hole log in investigating subsurface geology are discussed with emphasis on petroleum exploration. This is essentially an applied course with stress on how to take data from well logs, calculate and analyze these data. Prerequisites & Notes: GEO 3510. Credits: 3~~

~~**GEO 4892 - Introduction to Paleobotany. (3-2-4) On Demand.** Introduction to the origin and theories of evolution, diversification, radiation, and paleogeography of plants through time, with special reference to vascular plants. Field work. Prerequisites & Notes: BIO 1200G or permission of instructor. Credit not granted for both GEO 4892 and BIO 4892. Credits: 4~~

12. Replace BIO 3800 with BIO 3180 in the Biological Sciences: Environmental Biology Major.

## **Biological Sciences: Environmental Biology Option (B.S.)**

### **Core Requirements**

Biological Sciences majors with an Environmental Biology Option must complete a core which includes the following courses and a 15-semester hours of electives selected from the Option

Electives list below.

- BIO 1100 - General Biology. Credits: 4  
NOTE: BIO 1100 will be replaced by BIO 1500, effective Spring 2017.
- BIO 1150 - Biology Forum Credits: 1
- BIO 1500 - General Biology I. Credits: 4  
NOTE: BIO 1500 will be a new course beginning Spring 2017.
- BIO 1550G - General Biology II. Credits: 4  
NOTE: BIO 1550G will be a new course beginning Spring 2017.
- BIO 3120 - Molecular and Cellular Biology. Credits: 4
- **BIO 3180 –Ecology and Evolution. Credits: 4**
- BIO 3200 - Genetics. Credits: 4
- BIO 3510 - Plant Physiology. Credits: 4  
or
- BIO 3520 - Animal Physiology. Credits: 4
- ~~BIO 3800 - Ecology. Credits: 4~~
- BIO 3850 - Environmental Health and Sustainability. Credits: 4
- BIO 4275 - Internship. Credits: 6 or 12  
(12 hours of BIO 4275 is required in the major)
- 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
- CHM 2430 - Survey of Organic Chemistry. Credits: 3
- CHM 2435 - Survey of Organic Chemistry Laboratory. Credits: 1
- ECN 2800G - Economics of Social Issues. Credits: 3
- MAT 2110G - Brief Calculus with Applications. Credits: 3  
(See Footnote 1)  
or
- MAT 1441G - Calculus and Analytic Geometry I. Credits: 5  
(See Footnote 1)
- PLS 3763 - Environmental Politics and Policy. Credits: 3

**AND**

- BIO 4750 - Statistical Analysis of Scientific Data. Credits: 3  
or
- MAT 2250G - Elementary Statistics. Credits: 4

13. Replace BIO 3800 with BIO 3180 in the Environmental Studies Minor list of electives.

**Environmental Studies Minor**

**Elective Courses (6 hours)**

**BIO 3180 - Ecology and Evolution. Credits: 4**

~~BIO 3800 - Ecology. Credits: 4~~

BIO 4814 - Conservation Biology. Credits: 3

CSC 3100 - Global Threats and Problems. Credits: 3

(Cross listed with ECN 3100, GEO 3100, PLS 3100, SOC 3100)

EIU 4101G - Spaceship Earth: The Present State. Credits: 3

EIU 4111G - Plants and Civilizations. Credits: 3

GEO 2450G - Oceanography. Credits: 3

GEO 3010G - Environmental Physical Sciences. Credits: 3

GEO 3020 - Natural Disasters: Causes and Effects. Credits: 3

GEO 3750 - Population Geography. Credits: 3

SOC 3622 - Population. Credits: 3

SOC 4240 - Sociology of Disasters. Credits: 3

**Attachment A**

To: President David Glassman  
From: Council on Academic Affairs  
Re: Recommendations for programs considered for elimination or reorganization  
Date: March 9, 2017

As per CAA bylaws (VII.A.1.a.2.), "The Council on Academic Affairs shall have the responsibility and authority for making recommendations to the President relative to: Addition, deletion, or revision of all undergraduate programs other than teacher preparation programs which fall under the jurisdiction of the Council on Teacher Education." CAA considered the programs documented in Provost Blair Lord's letter to the Academic Program Elimination/Reorganization Review Committee and conducted a review of the following programs: B.A. in Philosophy, B.A. in Africana Studies, and B.S. in Adult and Community Education.

The focus of the review centered around three main considerations: (1) the centrality of the program to the University mission, (2) the impact that elimination of the program would have on students in other majors, minors, and concentrations, and (3) the overall quality of the program including the impact on the faculty's ability to provide service to the University should the program be eliminated.

After thorough review, CAA recommends the following:

**For the B.A. in Philosophy****Recommendation: Program Retention**

Rationale: The program is central to EIU's mission to provide opportunities for students to learn the methods and results of free and rigorous inquiry in the humanities and to refine their abilities to become responsible citizens and leaders. The Philosophy program impacts several other interdisciplinary minors and programs including numerous General Education courses provided to the University. The quality of the program is characterized by the offering of comprehensive coverage of both analytic and continental philosophy within all areas and historical periods in the discipline, which is rarely found in other programs. Program elimination may make it difficult to retain and recruit qualified faculty within various areas of expertise to teach courses that are not part of a Philosophy major.

**For the B.A. in Africana Studies****Recommendation: Program Reorganization**

Rationale: While centrality to University mission is clear regarding EIU's commitment to diversity and inclusion as well as applied learning experiences, the program has limited impact on other students outside of the major. The overall quality of the program is difficult to discern. It is agreed that if the program was to be reorganized such that more interdisciplinary opportunities exist, it would have a greater overall impact on students and other programs.

**For the B.S. in Adult and Community Education****Recommendation: Program Hiatus**

Rationale: The program is central to EIU's mission in that it fosters opportunities for student-faculty scholarship and applied learning experiences. It is an innovative program that provides education and training for individuals to enhance community development across the state. If resources become available, the program could be revived and has great potential to attract students. Although the program has minimal impact on other majors, minors, or concentrations, it provides students in education a unique opportunity to become professionally prepared to have a positive impact on communities.

**Attachment B****Music Minor****Total Hours: 22****Applied Study (4 credit hours)****Music Theory (8 credit hours)**

- MUS 1501 - Comprehensive Musicianship I. Credits: 4
- MUS 1502 - Comprehensive Musicianship II. Credits: 4

**Music History (3 credit hours)**

Choose From:

- **MUS 3553G – Survey of Musical Masterworks. Credits: 3**  
or
- **MUS 3593G – Survey of Musical Masterworks, Honors. Credits: 3**
  
- MUS 3584 - Music History and Literature I. Credits: 3  
Or
- **MUS 3594 - Music History and Literature I, Honors. Credits: 3**
  
- MUS 3585 - Music History and Literature II. Credits: 3  
or
- **MUS 3595 - Music History and Literature II, Honors. Credits: 3**
  
- ~~MUS 3586 – Music History and Literature III. Credits: 3~~

**Electives in Music\* (7 credit hours)**

\*Must include three credit hours upper-division music courses and can include up to four credit hours in ensembles. (~~MUS 3553G may not be used to satisfy the Music Minor elective requirement.~~ MUS 3550G or MUS 3562G will fulfill both the Music Minor elective and Fine Arts General Education requirements.)

**Attachment C****Music with Performance Option (B.Music)****Total Semester Hours required for the Degree: 122-129 semester hours****Semester Hours required for the Music with Performance Option: 82-89 semester hours**

In order to graduate with an option in performance, students must earn a "C" or better in all music courses except those that are taken as electives. A course may be repeated once to meet this requirement.

**This option comprises:****Music Theory Courses (19 credit hours)**

- MUS 1501 - Comprehensive Musicianship I. Credits: 4
- MUS 1502 - Comprehensive Musicianship II. Credits: 4
- MUS 2501 - Comprehensive Musicianship III. Credits: 4
- MUS 2502 - Comprehensive Musicianship IV. Credits: 4

**And 3 credit hours from:**

- MUS 3541 - Music Analysis I: Music of the Common Practice Period. Credits: 3  
or
- MUS 3542 - Music Analysis II: Music of the Post-Tonal Period. Credits: 3  
(Composition Concentration requires both MUS 3541 and MUS 3542)

**Music History Courses (9 credit hours)**

- **MUS 3553G – Survey of Musical Masterworks. Credits: 3**  
or
- **MUS 3593G – Survey of Musical Masterworks, Honors. Credits: 3**
- MUS 3584 - Music History and Literature I. Credits: 3  
or
- MUS 3594 - Music History and Literature I, Honors. Credits: 3  
and
- MUS 3585 - Music History and Literature II. Credits: 3  
or
- MUS 3595 - Music History and Literature II, Honors. Credits: 3  
and
- ~~MUS 3586 – Music History and Literature III. Credits: 3~~  
or
- ~~MUS 3596 – Music History and Literature III, Honors. Credits: 3~~

**Additional Music Courses (6 credit hours)**

- MUS 1070 - Introduction to Music Technology. Credits: 2
- MUS 2155 - Conducting I. Credits: 2

**And 2 credit hours from the following keyboard courses:**

- MUS 2203 - Functional Skills in Piano. Credits: 1
- MUS 2204 - Functional Skills in Piano. Credits: 1
- MUS 2205 - Keyboard Skills I. Credits: 1
- MUS 2206 - Keyboard Skills II. Credits: 1  
or applied piano

**Recital (Audit Only)**

- MUS 1103 - Recital Attendance. Credits: Audit only (five semesters)
- MUS 2101 - Sophomore Recital: Performance Option. Credits: Audit only
- MUS 3101 - Junior Recital: Performance Option. Credits: Audit only
- MUS 4101 - Senior Recital: Performance Option Credits: Audit only

**1. Instrumental Concentration****Instrumental Applied Study (28 credit hours)****Ensemble (9 credit hours, taken over 8 semesters)****4 credit hours selected from:**

- **MUS 0200R - Wind Symphony. Credits: 1**
- **MUS 0201R - Concert Band. Credits: 1**
- **MUS 0211R - Orchestra. Credits: 1**
- ~~MUS 0200A - Wind Symphony I. Credits: 1~~
- ~~MUS 0200B - Wind Symphony II. Credits: 1~~
- ~~MUS 0200D - Wind Symphony III. Credits: 1~~
- ~~MUS 0200E - Wind Symphony IV. Credits: 1~~
- ~~MUS 0201A - Concert Band I. Credits: 1~~
- ~~MUS 0201B - Concert Band II. Credits: 1~~
- ~~MUS 0201D - Concert Band III. Credits: 1~~
- ~~MUS 0201E - Concert Band IV. Credits: 1~~
- ~~MUS 0211A - Orchestra I. Credits: 1~~
- ~~MUS 0211B - Orchestra II. Credits: 1~~
- ~~MUS 0211D - Orchestra III. Credits: 1~~
- ~~MUS 0211E - Orchestra IV. Credits: 1~~

**1 credit hour selected from:**

- **MUS 0204R - Chamber Music, Winds. Credits: 1**
- **MUS 0205R - Flute Choir. Credits: 1**
- **MUS 0207R - Saxophone Quartet. Credits: 1**
- **MUS 0215R - Chamber Music, Strings. Credits: 1**
- **MUS 0240R - Percussion Ensemble. Credits: 1**
- ~~MUS 0204A - Chamber Music, Winds I. Credits: 1~~
- ~~MUS 0204B - Chamber Music, Winds II. Credits: 1~~
- ~~MUS 0204D - Chamber Music, Winds III. Credits: 1~~
- ~~MUS 0204E - Chamber Music, Winds IV. Credits: 1~~
- ~~MUS 0205 - Flute Choir. Credits: 1~~
- ~~MUS 0207A - Saxophone Quartet I. Credits: 1~~
- ~~MUS 0207B - Saxophone Quartet II. Credits: 1~~
- ~~MUS 0207D - Saxophone Quartet III. Credits: 1~~
- ~~MUS 0207E - Saxophone Quartet IV. Credits: 1~~
- ~~MUS 0215A - Chamber Music, Strings I. Credits: 1~~
- ~~MUS 0215B - Chamber Music, Strings II. Credits: 1~~
- ~~MUS 0215D - Chamber Music, Strings III. Credits: 1~~
- ~~MUS 0215E - Chamber Music, Strings IV. Credits: 1~~
- ~~MUS 0240A - Percussion Ensemble I. Credits: 1~~
- ~~MUS 0240B - Percussion Ensemble II. Credits: 1~~
- ~~MUS 0240D - Percussion Ensemble III. Credits: 1~~
- ~~MUS 0240E - Percussion Ensemble IV. Credits: 1~~

**4 credit hours selected from:**

- **MUS 0200R - Wind Symphony. Credits: 1**
- **MUS 0211R - Orchestra. Credits: 1**
- ~~MUS 0200A - Wind Symphony I. Credits: 1~~
- ~~MUS 0200B - Wind Symphony II. Credits: 1~~
- ~~MUS 0200D - Wind Symphony III. Credits: 1~~
- ~~MUS 0200E - Wind Symphony IV. Credits: 1~~
- ~~MUS 0211A - Orchestra I. Credits: 1~~
- ~~MUS 0211B - Orchestra II. Credits: 1~~
- ~~MUS 0211D - Orchestra III. Credits: 1~~
- ~~MUS 0211E - Orchestra IV. Credits: 1~~

**Additional Course Work (11 credit hours)**

- Music Electives. Credits: 3
- Electives. Credits: 2
- MUS 3547 - Orchestration. Credits: 2

**And at least 2 hours from:**

- **MUS 4601A - Independent Study in Pedagogy and Literature I. Credits: 1 to 3**
  - **MUS 4601B - Independent Study in Pedagogy and Literature. II. Credits: 1 to 3**
  - **MUS 4601D - Independent Study in Pedagogy and Literature. III. Credits: 1 to 3**
  - ~~MUS 4600A - Independent Study I. Credits: 1 to 3~~
  - ~~MUS 4600B - Independent Study II. Credits: 1 to 3~~
  - ~~MUS 4600D - Independent Study III. Credits: 1 to 3~~
- (2 hours of Independent Study covering instrumental literature & pedagogy are required.)

**And at least 2 credit hours selected from the following electives:**

- MUS 1560 - Introduction to Music Composition. Credits: 2
- MUS 1570A - Intermediate Composition I. Credits: 1, 2, or 4
- MUS 1570B - Intermediate Composition II. Credits: 1, 2, or 4
- MUS 2070 - Electronic Music Studio Techniques. Credits: 2
- MUS 3541 - Music Analysis I: Music of the Common Practice Period. Credits: 3
- MUS 3542 - Music Analysis II: Music of the Post-Tonal Period. Credits: 3
- MUS 3570A - Advanced Composition I. Credits: 1, 2, or 4
- MUS 3570B - Advanced Composition II. Credits: 1, 2, or 4
- MUS 4541 - Sixteenth Century Counterpoint. Credits: 2
- MUS 4542 - Eighteenth Century Counterpoint. Credits: 2
- MUS 4750 - Choral Arranging. Credits: 2
- MUS 4840 - Band Arranging. Credits: 2
- MUS 4850 - Jazz Band Arranging. Credits: 2
- MUS 4980A - Workshop in Music I. Credits: 1 to 3
- MUS 4980B - Workshop in Music II. Credits: 1 to 3

**2. Keyboard Concentration****Keyboard Applied Study (28 credit hours)****Ensemble (8 credit hours, taken over 8 semesters)**

Selected from:

- **MUS 0200R - Wind Symphony. Credits: 1**
- **MUS 0201R - Concert Band. Credits: 1**
- **MUS 0211R - Orchestra. Credits: 1**
- **MUS 0230R - Concert Choir. Credits: 1**
- **MUS 0231R - University Mixed Chorus. Credits: 1**

- MUS 0200A - Wind Symphony I. Credits: 1
- MUS 0200B - Wind Symphony II. Credits: 1
- MUS 0200D - Wind Symphony III. Credits: 1
- MUS 0200E - Wind Symphony IV. Credits: 1
- MUS 0201A - Concert Band I. Credits: 1
- MUS 0201B - Concert Band II. Credits: 1
- MUS 0201D - Concert Band III. Credits: 1
- MUS 0201E - Concert Band IV. Credits: 1
- MUS 0211A - Orchestra I. Credits: 1
- MUS 0211B - Orchestra II. Credits: 1
- MUS 0211D - Orchestra III. Credits: 1
- MUS 0211E - Orchestra IV. Credits: 1
- MUS 0230A - Concert Choir I. Credits: 1
- MUS 0230B - Concert Choir II. Credits: 1
- MUS 0230D - Concert Choir III. Credits: 1
- MUS 0230E - Concert Choir IV. Credits: 1
- MUS 0231A - University Mixed Chorus I. Credits: 1
- MUS 0231B - University Mixed Chorus II. Credits: 1
- MUS 0231D - University Mixed Chorus III. Credits: 1
- MUS 0231E - University Mixed Chorus IV. Credits: 1

#### **Additional Course Work (15 credit hours)**

- Music Electives. Credits: 3
- MUS 0260 - Keyboard Chamber Music. Credits: 1
- MUS 4920 - Keyboard Literature. Credits: 3  
(twice)
- MUS 4950 - Accompanying. Credits: 1

#### **And at least 2 hours from:**

- **MUS 4601A - Independent Study in Pedagogy and Literature I. Credits: 1 to 3**
  - **MUS 4601B - Independent Study in Pedagogy and Literature. II. Credits: 1 to 3**
  - **MUS 4601D - Independent Study in Pedagogy and Literature. III. Credits: 1 to 3**
  - MUS 4600A - Independent Study I. Credits: 1 to 3
  - MUS 4600B - Independent Study II. Credits: 1 to 3
  - MUS 4600D - Independent Study III. Credits: 1 to 3
- (2 hours of Independent Study covering keyboard pedagogy are required.)

#### **And at least 2 credit hours selected from the following electives:**

- MUS 1560 - Introduction to Music Composition. Credits: 2
- MUS 1570A - Intermediate Composition I. Credits: 1, 2, or 4
- MUS 1570B - Intermediate Composition II. Credits: 1, 2, or 4
- MUS 2070 - Electronic Music Studio Techniques. Credits: 2
- MUS 3541 - Music Analysis I: Music of the Common Practice Period. Credits: 3
- MUS 3542 - Music Analysis II: Music of the Post-Tonal Period. Credits: 3
- MUS 3547 - Orchestration. Credits: 2
- MUS 3570A - Advanced Composition I. Credits: 1, 2, or 4
- MUS 3570B - Advanced Composition II. Credits: 1, 2, or 4
- MUS 4541 - Sixteenth Century Counterpoint. Credits: 2
- MUS 4542 - Eighteenth Century Counterpoint. Credits: 2
- MUS 4750 - Choral Arranging. Credits: 2
- MUS 4840 - Band Arranging. Credits: 2
- MUS 4850 - Jazz Band Arranging. Credits: 2
- MUS 4980A - Workshop in Music I. Credits: 1 to 3
- MUS 4980B - Workshop in Music II. Credits: 1 to 3

### **3. Vocal Concentration**

#### **Vocal Applied Study (28 credit hours)**

##### **Ensemble (8 credit hours, taken over 8 semesters)**

Selected from:

- **MUS 0230R - Concert Choir. Credits: 1**
- **MUS 0231R - University Mixed Chorus. Credits: 1**
- ~~MUS 0230A - Concert Choir I. Credits: 1~~
- ~~MUS 0230B - Concert Choir II. Credits: 1~~
- ~~MUS 0230D - Concert Choir III. Credits: 1~~
- ~~MUS 0230E - Concert Choir IV. Credits: 1~~
- ~~MUS 0231A - University Mixed Chorus I. Credits: 1~~
- ~~MUS 0231B - University Mixed Chorus II. Credits: 1~~
- ~~MUS 0231D - University Mixed Chorus III. Credits: 1~~
- ~~MUS 0231E - University Mixed Chorus IV. Credits: 1~~

##### **Additional Course Work (16 credit hours)**

- Foreign Language (eight credit hours 1101 or above)
- MUS 2141 - Vocal Diction I. Credits: 1
- MUS 2142 - Vocal Diction II. Credits: 1
- MUS 4770 - Vocal Literature. Credits: 2

##### **And at least 2 hours from:**

- **MUS 4601A - Independent Study in Pedagogy and Literature I. Credits: 1 to 3**
  - **MUS 4601B - Independent Study in Pedagogy and Literature. II. Credits: 1 to 3**
  - **MUS 4601D - Independent Study in Pedagogy and Literature. III. Credits: 1 to 3**
  - ~~MUS 4600A - Independent Study I. Credits: 1 to 3~~
  - ~~MUS 4600B - Independent Study II. Credits: 1 to 3~~
  - ~~MUS 4600D - Independent Study III. Credits: 1 to 3~~
- (2 hours of Independent Study covering vocal pedagogy are required.)

##### **And at least 2 credit hours selected from the following electives:**

- MUS 1560 - Introduction to Music Composition. Credits: 2
- MUS 1570A - Intermediate Composition I. Credits: 1, 2, or 4
- MUS 1570B - Intermediate Composition II. Credits: 1, 2, or 4
- MUS 2070 - Electronic Music Studio Techniques. Credits: 2
- MUS 3541 - Music Analysis I: Music of the Common Practice Period. Credits: 3
- MUS 3542 - Music Analysis II: Music of the Post-Tonal Period. Credits: 3
- MUS 3547 - Orchestration. Credits: 2
- MUS 3570A - Advanced Composition I. Credits: 1, 2, or 4
- MUS 3570B - Advanced Composition II. Credits: 1, 2, or 4
- MUS 4541 - Sixteenth Century Counterpoint. Credits: 2
- MUS 4542 - Eighteenth Century Counterpoint. Credits: 2
- MUS 4750 - Choral Arranging. Credits: 2
- MUS 4840 - Band Arranging. Credits: 2
- MUS 4850 - Jazz Band Arranging. Credits: 2
- MUS 4980A - Workshop in Music I. Credits: 1 to 3
- MUS 4980B - Workshop in Music II. Credits: 1 to 3

**4. Composition Concentration****Instrumental, Keyboard, or Vocal Applied Study (8 credit hours)****Ensemble (8 credit hours, taken over 8 semesters)**

Selected from:

- **MUS 0200R - Wind Symphony I. Credits: 1**
- **MUS 0201R - Concert Band I. Credits: 1**
- **MUS 0211R - Orchestra I. Credits: 1**
- **MUS 0230R - Concert Choir I. Credits: 1**
- **MUS 0231R - University Mixed Chorus I. Credits: 1**
- ~~MUS 0200A - Wind Symphony I. Credits: 1~~
- ~~MUS 0200B - Wind Symphony II. Credits: 1~~
- ~~MUS 0200D - Wind Symphony III. Credits: 1~~
- ~~MUS 0200E - Wind Symphony IV. Credits: 1~~
- ~~MUS 0201A - Concert Band I. Credits: 1~~
- ~~MUS 0201B - Concert Band II. Credits: 1~~
- ~~MUS 0201D - Concert Band III. Credits: 1~~
- ~~MUS 0201E - Concert Band IV. Credits: 1~~
- ~~MUS 0211A - Orchestra I. Credits: 1~~
- ~~MUS 0211B - Orchestra II. Credits: 1~~
- ~~MUS 0211D - Orchestra III. Credits: 1~~
- ~~MUS 0211E - Orchestra IV. Credits: 1~~
- ~~MUS 0230A - Concert Choir I. Credits: 1~~
- ~~MUS 0230B - Concert Choir II. Credits: 1~~
- ~~MUS 0230D - Concert Choir III. Credits: 1~~
- ~~MUS 0230E - Concert Choir IV. Credits: 1~~
- ~~MUS 0231A - University Mixed Chorus I. Credits: 1~~
- ~~MUS 0231B - University Mixed Chorus II. Credits: 1~~
- ~~MUS 0231D - University Mixed Chorus III. Credits: 1~~
- ~~MUS 0231E - University Mixed Chorus IV. Credits: 1~~

**Additional Course Work (33 credit hours)**

- Music Electives. Credits: 5
- MUS 1560 - Introduction to Music Composition. Credits: 2
- MUS 1570A - Intermediate Composition I. Credits: 1, 2, or 4  
or
- MUS 1570B - Intermediate Composition II. Credits: 1, 2, or 4  
(4 credit hours)
- MUS 2070 - Electronic Music Studio Techniques. Credits: 2
- MUS 3155 - Choral Conducting and Literature. Credits: 1  
or
- MUS 3156 - Instrumental Conducting and Literature. Credits: 1
- MUS 3541 - Music Analysis I: Music of the Common Practice Period. Credits: 3  
or
- MUS 3542 - Music Analysis II: Music of the Post-Tonal Period. Credits: 3  
(See Footnote\*)
- MUS 3547 - Orchestration. Credits: 2
- MUS 3570A - Advanced Composition I. Credits: 1, 2, or 4  
or
- MUS 3570B - Advanced Composition II. Credits: 1, 2, or 4  
(8 credit hours)
- MUS 4541 - Sixteenth Century Counterpoint. Credits: 2  
or
- MUS 4542 - Eighteenth Century Counterpoint. Credits: 2

**Arranging Elective: And at least 2 credit hours selected from the following electives:**

- MUS 4750 - Choral Arranging. Credits: 2
- MUS 4840 - Band Arranging. Credits: 2
- MUS 4850 - Jazz Band Arranging. Credits: 2

**And at least 2 hours from:**

- MUS 4600A - Independent Study I. Credits: 1 to 3
- MUS 4600B - Independent Study II. Credits: 1 to 3
- MUS 4600D - Independent Study III. Credits: 1 to 3

**Note: (2 hours of Independent Study covering music theory/composition pedagogy are required.)**

**Footnote**

\* Either MUS 3541 or MUS 3542 satisfies the Music Theory Courses requirement for all B. Music with Performance Option degree programs. The Composition Concentration requires both MUS 3541 and MUS 3542.

**5. Jazz Studies Concentration****Instrumental or Keyboard Applied Study (22 credit hours)**

In addition to 18 credit hours of applied study on their primary instrument, 4 credit hours (2 semesters at 2 credit hours each semester) of MUS 3363A - Jazz Studies I or MUS 3363B - Jazz Studies II are required. For jazz keyboard majors, the applied study requirement is divided between traditional keyboard and jazz piano. The traditional keyboard requirement is four semesters (8 credit hours) or completion of the sophomore recital requirement. The remaining 14 credit hours of applied study is jazz piano.

**Ensemble (8 credit hours, taken over 8 semesters)****Ensemble requirement for brass, woodwind, double bass, and percussionists:**

Must include 4 credit hours from:

- **MUS 0200R - Wind Symphony. Credits: 1**
- **MUS 0201R - Concert Band. Credits: 1**
- **MUS 0211R - Orchestra. Credits: 1**
- MUS 0200A - Wind Symphony I. Credits: 1
- MUS 0200B - Wind Symphony II. Credits: 1
- MUS 0200D - Wind Symphony III. Credits: 1
- MUS 0200E - Wind Symphony IV. Credits: 1
- MUS 0201A - Concert Band I. Credits: 1
- MUS 0201B - Concert Band II. Credits: 1
- MUS 0201D - Concert Band III. Credits: 1
- MUS 0201E - Concert Band IV. Credits: 1
- MUS 0211A - Orchestra I. Credits: 1
- MUS 0211B - Orchestra II. Credits: 1
- MUS 0211D - Orchestra III. Credits: 1
- MUS 0211E - Orchestra IV. Credits: 1

**And 4 credit hours from:**

- **MUS 0220R - Jazz Ensemble. Credits: 1**
- **MUS 0221R - Jazz Lab Band. Credits: 1**
- MUS 0220A - Jazz Ensemble I. Credits: 1
- MUS 0220B - Jazz Ensemble II. Credits: 1
- MUS 0220D - Jazz Ensemble III. Credits: 1
- MUS 0220E - Jazz Ensemble IV. Credits: 1
- MUS 0221A - Jazz Lab Band I. Credits: 1
- MUS 0221B - Jazz Lab Band II. Credits: 1

- ~~MUS 0224D - Jazz Lab Band III. Credits: 1~~
- ~~MUS 0224E - Jazz Lab Band IV. Credits: 1~~

**Ensemble requirement for pianists and guitarists:**

**Must include 8 credit hours from:**

- **MUS 0220R - Jazz Ensemble. Credits: 1**
- **MUS 0221R - Jazz Lab Band. Credits: 1**
- **MUS 0222R - Jazz Combo. Credits: 1**
- **MUS 3622R - Advanced Jazz Combo. Credits: 1**
- ~~MUS 0220A - Jazz Ensemble I. Credits: 1~~
- ~~MUS 0220B - Jazz Ensemble II. Credits: 1~~
- ~~MUS 0220D - Jazz Ensemble III. Credits: 1~~
- ~~MUS 0220E - Jazz Ensemble IV. Credits: 1~~
- ~~MUS 0221A - Jazz Lab Band I. Credits: 1~~
- ~~MUS 0221B - Jazz Lab Band II. Credits: 1~~
- ~~MUS 0221D - Jazz Lab Band III. Credits: 1~~
- ~~MUS 0221E - Jazz Lab Band IV. Credits: 1~~
- ~~MUS 0222A - Jazz Combo I. Credits: 1~~
- ~~MUS 0222B - Jazz Combo II. Credits: 1~~
- ~~MUS 3622A - Advanced Jazz Combo I. Credits: 1~~
- ~~MUS 3622B - Advanced Jazz Combo II. Credits: 1~~

**Additional Course Work (25 credit hours)**

Introductory Applied Study (2 credit hours)

In addition to applied study on their primary instrument, students in the jazz studies concentration are also required to take two semesters of Introductory Applied Study on a secondary instrument. Saxophonists are required to take one semester of clarinet and one semester of flute.

**Six credit hours from:**

(At least 2 hours from MUS 0222 and 2 hours from MUS 3622 are required)

- **MUS 0222R - Jazz Combo I. Credits: 1**
- **MUS 3622R - Advanced Jazz Combo I. Credits: 1**
- ~~MUS 0222A - Jazz Combo I. Credits: 1~~
- or
- ~~MUS 0222B - Jazz Combo II. Credits: 1~~
- ~~MUS 3622A - Advanced Jazz Combo I. Credits: 1~~
- or
- ~~MUS 3622B - Advanced Jazz Combo II. Credits: 1~~

**And the Following Courses:**

- MUS 0224 - Jazz Seminar. Credits: Audit only (8 semesters required)
- MUS 1530 - Jazz Improvisation I. Credits: 1
- MUS 1560 - Introduction to Music Composition. Credits: 2
- MUS 1570A - Intermediate Composition I. Credits: 1, 2, or 4
- or
- MUS 1570B - Intermediate Composition II. Credits: 1, 2, or 4 (minimum of 1 credit hour required)
- MUS 2071 - Music Technology II: Audio and Recording Techniques. Credits: 3
- MUS 2530 - Jazz Improvisation II. Credits: 1
- MUS 2581 - Jazz History. Credits: 2
- MUS 3102 - Junior Recital, Performance Option/Jazz Studies Concentration. Credits: Audit only
- MUS 3531 - Jazz Improvisation III. Credits: 1
- MUS 3800 - Jazz Theory I. Credits: 1

- MUS 3801 - Jazz Theory II. Credits: 1
- MUS 4850 - Jazz Band Arranging. Credits: 2
- MUS 4861 - Jazz Pedagogy. Credits: 2

### **Department of Music Electives**

#### **History & Theory Electives**

- MUS 5100 - Introduction to Research in Music. Credits: 3
- MUS 5170 - Analytical Techniques. Credits: 3
- MUS 1560 - Introduction to Music Composition. Credits: 2
- MUS 2070 - Electronic Music Studio Techniques. Credits: 2
- MUS 2557G - The Evolution of Jazz and Rock. Credits: 3
- MUS 2581 - Jazz History. Credits: 2
- MUS 3547 - Orchestration. Credits: 2
- MUS 3550G - Survey of American Music. Credits: 3
- MUS 3591 - Music Analysis, Honors. Credits: 3
- MUS 3592G - Non-Western Music, Honors. Credits: 3
- MUS 3800 - Jazz Theory I. Credits: 1
- MUS 3801 - Jazz Theory II. Credits: 1
- MUS 3970 - Study Abroad. Credits: 1 to 15
- MUS 4541 - Sixteenth Century Counterpoint. Credits: 2
- MUS 4542 - Eighteenth Century Counterpoint. Credits: 2
- MUS 4600A - Independent Study I. Credits: 1 to 3
- MUS 4600B - Independent Study II. Credits: 1 to 3
- MUS 4600D - Independent Study III. Credits: 1 to 3
- MUS 4750 - Choral Arranging. Credits: 2
- MUS 4770 - Vocal Literature. Credits: 2
- MUS 4840 - Band Arranging. Credits: 2
- MUS 4850 - Jazz Band Arranging. Credits: 2
- MUS 4870 - Style Period Proseminar. Credits: 3
- MUS 4920 - Keyboard Literature. Credits: 3

#### **Performance Electives**

- MUS 1530 - Jazz Improvisation I. Credits: 1
- MUS 2530 - Jazz Improvisation II. Credits: 1
- MUS 3531 - Jazz Improvisation III. Credits: 1
- MUS 4600A - Independent Study I. Credits: 1 to 3
- MUS 4600B - Independent Study II. Credits: 1 to 3
- MUS 4600D - Independent Study III. Credits: 1 to 3
- MUS 4950 - Accompanying. Credits: 1
- MUS 4980A - Workshop in Music I. Credits: 1 to 3
- MUS 4980B - Workshop in Music II. Credits: 1 to 3

#### **Conducting Electives**

- MUS 3155 - Choral Conducting and Literature. Credits: 1
- MUS 3156 - Instrumental Conducting and Literature. Credits: 1
- MUS 4600A - Independent Study I. Credits: 1 to 3
- MUS 4600B - Independent Study II. Credits: 1 to 3
- MUS 4600D - Independent Study III. Credits: 1 to 3

#### **Honors Electives**

- MUS 4444 - Honors Independent Study. Credits: 1 to 3
- MUS 4555 - Honors Research. Credits: 1 to 3
- MUS 4666 - Honors Seminar. Credits: 3

**Music Education Electives**

- MUS 3440 - Methods and Materials of Vocal and General Music. Credits: 4
- MUS 3860 - Marching Band and Jazz Band Techniques. Credits: 2
- MUS 4600A - Independent Study I. Credits: 1 to 3
- MUS 4600B - Independent Study II. Credits: 1 to 3
- MUS 4600D - Independent Study III. Credits: 1 to 3
- **MUS 4601A - Independent Study in Pedagogy and Literature I. Credits: 1 to 3**
- **MUS 4601B - Independent Study in Pedagogy and Literature. II. Credits: 1 to 3**
- **MUS 4601D - Independent Study in Pedagogy and Literature. III. Credits: 1 to 3**

**Note:**

Students with an interest in teaching piano and/or certification by an organization such as Music Teachers National Association (MTNA) may be prepared through the fulfillment of the following courses:

- MUS 1501 - Comprehensive Musicianship I. Credits: 4
- MUS 1502 - Comprehensive Musicianship II. Credits: 4
- MUS 2205 - Keyboard Skills I. Credits: 1
- MUS 2501 - Comprehensive Musicianship III. Credits: 4
- MUS 3585 - Music History and Literature II. Credits: 3
- MUS 4920 - Keyboard Literature. Credits: 3
- MUS 4950 - Accompanying. Credits: 1

**Attachment D****Music (B.A.)**

The Bachelor of Arts in Music degree provides for the study of music within the context of a liberal arts framework. The limited hours in music provides a strong background in music while allowing ample time for study outside of music. **At least 66 credits must be non-music.**

**Total Semester Hours 52-55 54 - 59****Core Requirements (39 credit hours)****Music Theory (16 credit hours)**

- MUS 1501 - Comprehensive Musicianship I. Credits: 4
- MUS 1502 - Comprehensive Musicianship II. Credits: 4
- MUS 2501 - Comprehensive Musicianship III. Credits: 4
- MUS 2502 - Comprehensive Musicianship IV. Credits: 4

**Music History (9 credit hours)**

- **MUS 3553G – Survey of Musical Masterworks. Credits: 3**  
or
- **MUS 3593G – Survey of Musical Masterworks, Honors. Credits: 3**
- MUS 3584 - Music History and Literature I. Credits: 3  
or
- MUS 3594 - Music History and Literature I, Honors. Credits: 3
- MUS 3585 - Music History and Literature II. Credits: 3  
or
- MUS 3595 - Music History and Literature II, Honors. Credits: 3
- ~~MUS 3586 – Music History and Literature III. Credits: 3~~  
or
- ~~MUS 3596 – Music History and Literature III, Honors. Credits: 3~~

**Ensemble (6 8 credit hours)****Applied (4 credit hours)****Piano (2 credit hours) selected from:**

- MUS 2203 - Functional Skills in Piano. Credits: 1
- MUS 2204 - Functional Skills in Piano. Credits: 1
- MUS 2205 - Keyboard Skills I. Credits: 1
- MUS 2206 - Keyboard Skills II. Credits: 1

**Recital Attendance (5 semesters)**

- MUS 1103 - Recital Attendance. Credits: Audit only

**Open Studies Concentration (15 credit hours)**

3 credit hours from:

- MUS 3970 - Study Abroad. Credits: 1 to 15  
or
- MUS 4600A - Independent Study I. Credits: 1 to 3  
or
- MUS 4600B - Independent Study II. Credits: 1 to 3  
or
- MUS 4600D - Independent Study III. Credits: 1 to 3  
or
- MUS 4644 - Honors Thesis. Credits: 1 to 3

**Open music electives (6 hours) in consultation with a music academic advisor**

**Upper-level music electives (6 credit hours)**

**Music Theory and Composition Concentration (20 credit hours)**

- MUS 1070 - Introduction to Music Technology. Credits: 2
- MUS 1560 - Introduction to Music Composition. Credits: 2
- MUS 2070 - Electronic Music Studio Techniques. Credits: 2
- MUS 3541 - Music Analysis I: Music of the Common Practice Period. Credits: 3  
or
- MUS 3542 - Music Analysis II: Music of the Post-Tonal Period. Credits: 3
- MUS 3547 - Orchestration. Credits: 2
- ~~MUS 4541 - Sixteenth Century Counterpoint. Credits: 2~~  
or
- ~~MUS 4542 - Eighteenth Century Counterpoint. Credits: 2~~

**3 credit hours from:**

- MUS 1570A - Intermediate Composition I. Credits: 1, 2, or 4  
or
- MUS 1570B - Intermediate Composition II. Credits: 1, 2, or 4

**4 credit hours from:**

- MUS 3570A - Advanced Composition I. Credits: 1, 2, or 4  
or
- MUS 3570B - Advanced Composition II. Credits: 1, 2, or 4

**Attachment E**

Note: The catalog copy was corrected. See the March 23, 2017 CAA minutes for details.

**Biological Sciences (B.S.)**

**Total Semester Hours required for the Degree: 120 semester hours**

**Major**

**Semester Hours required for the Biological Sciences Major: ~~75-78~~ 78-79 semester hours**

**Core Requirements:**

- BIO 1150 - Biology Forum Credits: 1
- BIO 1500 - General Biology I. Credits: 4
- BIO 1550G - General Biology II. Credits: 4
- BIO 3120 - Molecular and Cellular Biology. Credits: 4
- **BIO 3180 - Ecology and Evolution. 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.)
- or
- **BIO 3510 - Plant Physiology. Credits: 4**
- or
- **BIO 3520 - Animal Physiology. Credits: 4**
- ~~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 2110G - Brief Calculus with Applications. Credits: 3  
(See footnote \*)
- or
- 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 - Statistical Analysis of Scientific Data. 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 F**

**Biological Sciences Minor**

**Total Semester Hours: 21**

- ~~BIO 1100 - General Biology. Credits: 4~~
- ~~BIO 1200G - General Botany. Credits: 4~~
- ~~BIO 1300G - Animal Diversity. Credits: 4~~
- **BIO 1500 - General Biology I. Credits: 4**
- **BIO1550G - General Biology II. Credits: 4**
- **BIO 3210 - Molecular and Cellular Biology. Credits: 4**  
or **BIO 3180 - Ecology and Evolution. Credits: 4**

**Electives in Biological Sciences. Credits: 9 (See footnotes 1-3 and 2)**

**Footnotes:**

<sup>1</sup> **Students that have completed either BIO1200G or BIO 1300G will have 4 hours counted toward BIO elective credit.**

<sup>2</sup> With the exception of BIO 3400, 4275, workshops, and courses designed for General Education.

<sup>23</sup> A minimum of 6 sh must be at or above the 3000 level.

**Attachment G****Neuroscience (B.S.)**

Total credit hours: 64-66 credits (10-14 credit hours of which count for General Education).

A grade of "C" or better is required for all courses counting towards the Neuroscience major.

**Core Group – 28-29 credits**

- CHM 1310G: General Chemistry I with lab (CHM 1315) (4 CR)
- CHM 1410: General Chemistry II with lab (CHM 1415) (4 CR)
- BIO 1500: General Biology I (4 CR)
- PSY 1879G: Introductory Psychology (3CR)
- MAT 2110G: Brief Calculus with Applications (3 CR)
- Statistics course – CHOOSE ONE FROM:
  - MAT 2250G: Elementary Statistics (4CR)
  - PSY 2610: Statistical Methods of Psychology (4CR)
  - BIO 4750: Statistical Analysis of Scientific Data (3CR)
- PSY 3805: Research Methods and Experimental Design (4CR)
- BIO 3451 /PSY 4100: Undergraduate Research (3CR)

**Psychology Group – 18 credits**

- PSY 3310: Biopsychology (3CR)

AND CHOOSE THREE COURSES FROM:

- PSY 3450: Neuropsychology (3CR)
- PSY 3680: Sensation and Perception (3CR)
- PSY 3820: Cognitive Neuroscience (3CR)
- PSY 4810: Neuropsychopharmacology (3CR)

AND CHOOSE TWO COURSES FROM:

- PSY 3518: Language Development (3CR)
- PSY 3710: Human Memory (3CR)
- PSY 3780: Abnormal Psychology (3CR)
- PSY 3830: Cognitive Psychology (3CR)

**Biology Group – 18-19 credits**

- BIO 3120: Molecular and Cellular Biology (4 CR)
- BIO 3200: Genetics (4 CR)
- BIO 4834: Neurobiology (3 CR)
- BIO 4833: Neurobiology of Diseases (4 CR)

AND CHOOSE ONE COURSE FROM:

- BIO 4832: Animal Behavior (4CR)
- BIO 4835: Advanced Neurobiology (3 CR)