**The University of Tennessee, Knoxville**
**Undergraduate Council**
**Minutes of the Meeting**
**January 26, 2016**

**Elected Members present:** Richard Bennett, Chair, Katherine Ambroziak, Michael Palenchar, Richard Strange, Harriet Bowden, Yingkui Li, Drew Paul, John Scheb, Aleydis Van de Moortel, Suzanne Wright, Jean Gauger, Mary Holcomb, Randal Pierce, Harold Roth, Rachel Chen, Delores Smith, Heidi Stolz, Shelia Swift, Paul Frymier, and David Dupper

**Ex-Officio Members present:** Chuck Collins, George Drinnon, Mary Anne Hoskins, Rebekah Page (for Timothy Hulsey), Barbara Murphy, Masood Parang, and John Stier

**Student Members present:** Paige Goodwin

**Others present:** Monique Anderson, Alison Connor, Betsy Gullett, R. J. Hinde, and Molly Sullivan.

**Call to order:** A regular meeting of the Undergraduate Council (UGC) was held in the Multipurpose Room of Frieson Black Cultural Center on January 26, 2016. The meeting was called to order at 3:40 pm by Richard Bennett, Chair.

**Minutes of the previous meeting:** The minutes of the October 20, 2015 meeting were approved without opposition.

Richard Bennett began the meeting with a brief recap of recent happenings, including the following:

- The Faculty Senate adopted two resolutions, one in support of diversity and inclusion, and the other against undue outside influence. These resolutions are available on the Faculty Senate website.
- The Faculty Senate is reviewing their bylaws and expects to make minor changes to show that the Senate approves (or rejects) actions taken by the Undergraduate and Graduate Council, and is not simply approving the minutes of Councils.
- There are potentially many bills in this legislative session that would affect the university. Council members were encouraged to sign up for the UT Advocacy program if they have not already done so.
- A small task group (John Scheb, Belle Upadhyaya, Heidi Stolz, and Michael Palenchar) has been created to look at minor changes to the UG Council Operating Guidelines. No major changes are being proposed, but rather some clean-up.
- The Admissions office is working hard at recruiting students, particularly out-of-state students. UT has regional recruiters literally all across the U.S.

**Committee Reports (See attached reports)**

- Paul Frymier shared the Academic Policy Committee's report. One action item regarding a change to the final exam policy was presented and approved by the UGC without opposition.
- Mary Anne Hoskins presented a report from the Advising Committee. No action by the UGC was required.
- The Appeals Committee did not have anything to report.
- R. J. Hinde presented the report from the Associate Deans Group. No action by the UGC was required.
- R. J. Hinde presented the report from the Undergraduate Planning Group. No action by the UGC was required.
- Katherine Ambroziak, Acting Chair, presented the report from the Curriculum Committee.
  - The committee needs a new chair, due to the retirement of Gary Ramsey, who was elected chair for 2015-2016.
  - Items from the Consent Agenda were approved without opposition.
  - Items from the Main Agenda were approved as follows.
    - Proposals from the College of Agricultural Sciences and Natural Resources were approved without change or opposition.
    - Proposals from the College of Architecture and Design were approved without change or opposition.
    - Proposals from the College of Arts and Sciences were approved without opposition with one minor change (correction to a copy/paste error in the Program Learning Outcomes for Modern Foreign Languages and Literatures).
    - Proposals from the Haslam College of Business were approved without change or opposition.
    - The College of Communication and Information did not have any main agenda items, since all their changes were in the consent agenda.
    - Proposals from the College of Education, Health, and Human Sciences were approved without change or opposition.
    - Proposals from the College of Engineering were approved without change or opposition.
    - There were no proposals from the College of Nursing or the College of Social Work. Both of these colleges had presented their curricular changes at the October 2015 meeting.
    - The proposal to drop a course not taught in more than four years was approved without change or opposition.
    - Proposals from the Howard H. Bakr Jr. Center for Public Policy were approved without change or opposition.
    - Proposals from the Chancellor's Honors Program were approved without change or opposition.
    - Proposals from the Haslam Scholar's Program were approved without change or opposition.
    - Proposals from the Center for International Education were approved without change or opposition.
- The General Education Committee report was presented by Barbara Murphy, who noted that the committee had recently approved several courses as satisfying general education requirements. The UGC approved all items from

this committee without opposition and with one minor change. (UNHO 258 is a special topics course, so the title of the specific topic needed to be added to the record.)

**Adjournment:** Richard Bennett adjourned the meeting at 4:45 pm.

**Next meeting:** Tuesday, February 23, 2016, at 3:40 pm in the Multipurpose Room of Frieson Black Cultural Center.

**Minutes submitted by:** Molly Sullivan

## ACADEMIC POLICY COMMITTEE

**The University of Tennessee, Knoxville**
**Academic Policy Committee**
**Minutes of the Meeting**
**December 2, 2015**

**Call to order:** A regularly scheduled meeting of the Academic Policy Committee was held in the Payroll Conference Room, P115, of Andy Holt Tower on December 2, 2015. The meeting was called to order by Roxanne Hovland, Chair, at 1:32 p.m.

**Members present:** Roxanne Hovland, Chair, Rachel Chen, Paul Frymier, Jean Gauger, Yingkui Li, John Scheb, Monique Anderson, Mary Anne Hoskins, and Heather Hall

**Others present:** Katherine Ambroziak, Richard Bennett, R. J. Hinde, and Molly Sullivan

**Approval of minutes:** April 8, 2015, meeting were approved without changes or opposition.

**New business:**
The following proposal was presented.

> **Proposal to modify the Final Exam Policy**
>
> The University Space Committee (USC) proposes to make the following change to the "Final Exams" policy that appears in the Undergraduate Catalog. The change will allow a final examination to be moved to a different location under extraordinary circumstances, subject to the approval of both a college dean and the Provost.
>
> > Final exams must be given during the final exam period at the scheduled time and in the scheduled place, unless extraordinary circumstances justify a change in either time or place. Such a change must be approved in advance by both the appropriate college dean and the Office of the Provost. Alternative (non-exam) ~~although alternative~~ uses of the scheduled exam period may be designated by the instructor. Examples would include group presentations, presentations of final projects, or general discussions regarding course content.
>
> The policy is found online at this location: http://catalog.utk.edu/content.php?catoid=18&navoid=1966#exams

After discussion, the wording of the policy was changed as follows. (Note that the edited portion is underlined.)

> **Proposal to modify the Final Exam Policy**
>
> The University Space Committee (USC) proposes to make the following change to the "Final Exams" policy that appears in the Undergraduate Catalog. The change will allow a final examination to be moved to a different location under extraordinary circumstances, subject to the approval of both a college dean and the Provost.
>
> > Final exams must be given during the final exam period at the scheduled time and in the scheduled place, unless extraordinary circumstances justify a change in either time or place. Such a change must be approved in advance by the appropriate department head after consultation with the Office of the University Registrar. Alternative (non-exam) ~~although alternative~~ uses of the scheduled exam period may be designated by the instructor. Examples would include group presentations, presentations of final projects, or general discussions regarding course content.

In addition, the committee suggested that the entire final exam policy might need to reviewed to see if anything else should be updated.

**Items from the floor:** (None.)

**Adjournment:** Roxanne Hovland adjourned the meeting at 2:28 PM.

**Minutes submitted by:** Molly Sullivan

## ADVISING COMMITTEE

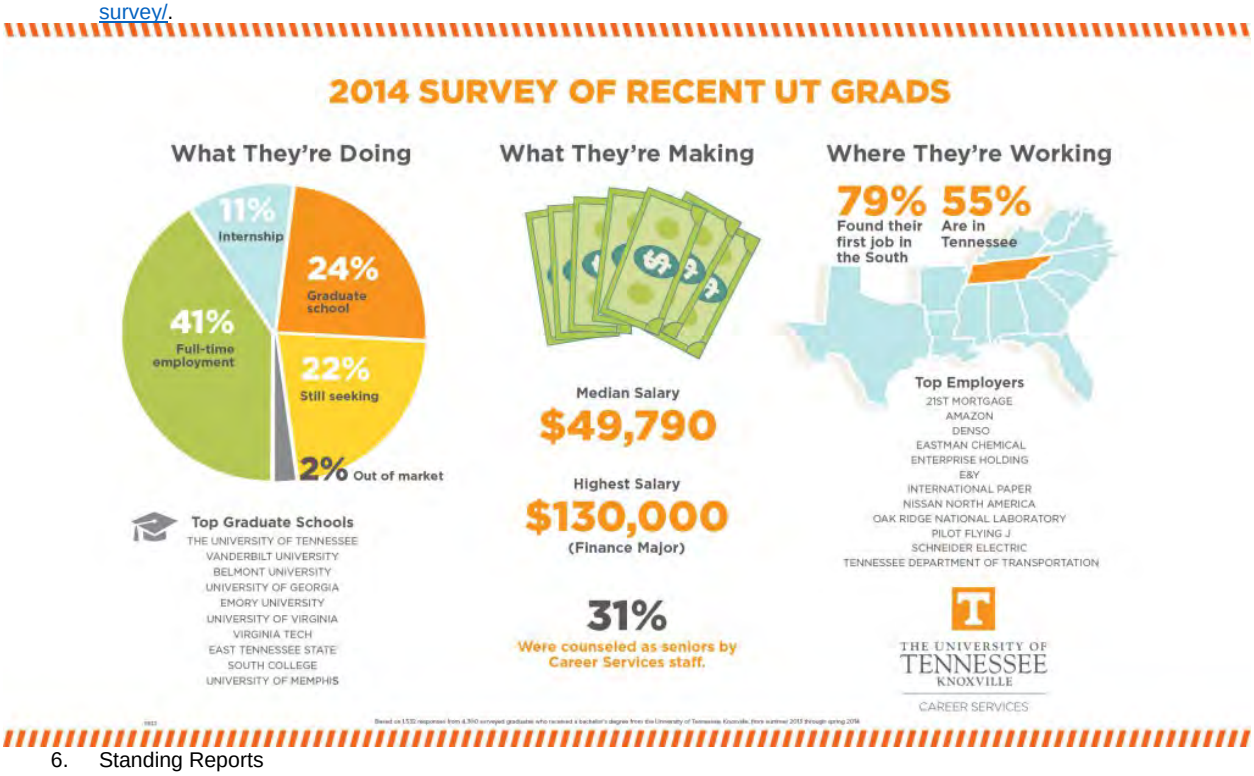
**Advising Committee**
**November 17, 2015**

1. Welcome and call to order
2. Approval of Minutes – Parker moved to approve, seconded by Stokes, approved by acclamation
3. Vol Walk of Life – Kortney Powell, academic affairs director for SGA presented the Big Orange Scholastic Showcase (formerly Vol Walk of Life) which will be held February 2nd 2016 in Hodges Library 3:00-5:00. **To register your unit email boss@live.utk.edu by December 1st.**
4. Terminating Events for HOPE Scholarship – Tim Woods presented on changes in terminating events for the HOPE scholarship. Earned degree

- Enrollment and GPA requirements not met
- Five years of enrollment or 120 hours attempted – whichever is last

The last bullet point is a change – allows for equivalent of 8 full time semester payments. See details and FAQ on website http://onestop.utk.edu/hope-scholarships/. As always, there are OneStop Counselors who specialize in Financial Aid to consult with.

5. Center for Career Development – Stephanie Kit presented on changes in the Center for Career Development - staffing, mission/vision, and location. With the move to the Student Union in May, the CCD worked with Creative Services to revamp their mission/vision and move away from a transactional model to one of empowering students to achieve career success. CCD's "What Can I Do With This Major" has been licensed to over 600 universities and generates income for the unit. The move to a more centralized campus location along with longer hours and an increased scope of offerings has resulted in an increase in walk-ins – up 62% for first half of this semester. See presentation handout attached. Infographic on website shows data they are collecting on first destination survey – details at http://career.utk.edu/first-destination-survey/.




6. Standing Reports
   a. Academic Advising Leadership Group – Parker indicated the focus on the last meeting was on improving the advising experience for transfer students. Providing one-on-one advising before and/or during Orientation is one effort. AALG is developing a pre-advising website for transfer students – front page is information for all transfer students and then links to college-specific information. Website will be live in March.
   b. TennACADA – Shaffer reminded everyone of upcoming events for the fall (see below) and asked if anyone has ideas or requests for spring programming to contact TennACADA. Anyone who is interested is welcome to attend the TennACADA events.
   c. Enrollment Services (Admission, Registrar, OneStop, Financial Aid) – Harrington (Admissions) announced that as of mid-November, applications are up from the previous year and there are over 6000 admits with average HS GPA of 4.01 and 28.6 ACT. Obviously these numbers will change as the final class is shaped. Hollon (Financial Aid) announced that SAP appeal "season" is upon us. Students on SAP probation must earn a 2.0 in 67% of attempted hours during fall. For students who appeal the loss of SAP, FA prefers an academic plan through graduation. Nash (OneStop) provided information on the "eligible to register" outreach efforts. As of November 16th, 1469 students eligible to enroll spring (juniors/seniors) not registered yet – 899 with advising hold plus some type of financial hold; 581 with advising only; 393 who have no hold. OS began calling last week – 1875 students that are now down to 1469. Will begin calling sophomores and then freshmen as their registration dates pass. Connor (Registrar) announced that students in freshman Orientation this Friday can request Peggy Love to move their registration date to Friday.
   d. Student Success Center – Jones distributed Destress for Success end-of-semester tutoring/SI offerings.
   e. First-Year Studies – Mastrogiovanni – announced addition of Marcus Glover (Volunteer Bridge) and Stella Bridgeman-Prince (LOM, Early Alert, FYS 100) and current search for new Assistant Director for FYS 101. This year FYS piloted FYS 100 using EdX to deliver the course along with a total revamp of the curriculum. For 2016, FYS will return to using BlackBoard. FYS has also piloted a TSF 101 course (different curriculum than FYS 101) for fall and will continue for spring. FYS 129 – evened the offerings between fall/spring to increase spring enrollment. Research shows that many students are not ready for this type of course their first term. Also will include some second session sections for students who will need to add a class to keep full-time status.

f. Student Life – E Parker – no report

7. Old Business - none
8. New Business – Hoskins announced opening of nominations for chair of Advising Committee for 2016-2017. Interested parties should indicate their interest via email to Hoskins (mhoskins@utk.edu) and Shey (pshey@utk.edu) before the January meeting.

"The chair of the Advising Committee will serve a two year term. At the beginning of the chair's second year of service, a chair-elect will be elected from the membership and will assume the chair's position the following fall term. The out-going chair will then serve as past-chair for the next year to support, assist, and serve as substitute for the chair if necessary. There are no limits to the number of times a chair can serve. To be eligible to serve as chair, the nominee must have academic advising as a major component of their position."

Upcoming Meetings:

**Advising Committee (3:30 FBCC 102-104):**
January 19, 2016
April 5, 2016

**TennACADA - http://tennacada.utk.edu/programs-and-events/**

- Effective Advising Strategies: Veteran Students - 11/18/15 2:30-4:30 BCC
  - Topics will include ROTC information, best practices, resources, and a veteran student panel.
- Assisting Students with Mental Health Challenges – 12/3/15 3:00-5:00 HBB 440
  - Speakers from UT Counseling Center, UT Psych Clinic, and Center for Health, Education, and Wellness (CHEW)

**CSRDE Webinars**
316 Haslam Business Building 2:00-3:00 pm.

Dec. 09, 2015 - SURF the Wave to Higher Retention: A Model for Creative Student Success Programming for Minority Students

Mar. 09, 2016 - Design for Student Success: Lessons Learned, Continuous Improvements Needed

Mar. 23, 2016 - Fostering University-Wide Collaborations in the Use of Data to Improve Retention Practices

Jun. 08, 2016 - The Role of Academic Advisors in Retention

Jul. 13, 2016 - From Sophomore Slump to Sophomore Success: Developing a Comprehensive Sophomore Student Seminar Focused on Academic Planning & Career Exploration

Aug. 10, 2016 - Deconstructing Student Development Theory and College Impact Models to Construct a Retention-Focused Curriculum with Spontaneity

**Advising Committee**
**January 19, 2016**

1. Welcome and call to order
2. Approval of Minutes - unanimous
3. Standing Reports
   a. Student Life – Emily Parker presented on the Student Life Annual Report (see attached).
   b. Academic Advising Leadership Group – Ruth Darling discussed the focus of AALG has been and continues to be 1) interventions for retention whether university-wide or within the college; 2) transfer advising – new transfer landing page in each college, revised pre-orientation webpage; 3) fall academic progress (decrease in students on probation Fall 15 vs. Fall 14, UT LEAD also decreased probation numbers, slight increase in dismissals, slight increase in withdrawals. Also looking at students with NC grades in good standing); 4) where we stand for spring – FTF retention as of today is lower than we would like.
   c. TennACADA – Courtney Shaffer announced upcoming programs (link below) and deadlines for proposal submissions for the TN Drive In conference (TTU in Cookeville), NACADA Regional (Chattanooga), and NACADA National Conference. If you are not on email distribution list for newsletter and would like to be, please email courtney@utk.edu.
   d. Enrollment Services – Norma Harrington (Admissions) indicated that our numbers are up from last year – both applications and admits for FTF; while there is a decrease in applications for FTT, the admit numbers are up. The profile on incoming FTF is similar to this year – 27.6 Super Score ACT, 3.8 core GPA. Monique Anderson (Registrar) announced the creation of an electronic workflow for grade changes will be rolled out gradually beginning this semester. Paper grade change forms still accepted. Both the faculty and the student will receive email notification when grade has changed. The Registrar's website will change the transfer equivalency table so that the information feeds from Banner and is updated regularly. Other technology to be implemented includes newer version of DARS, Transferology – in 2 phases that will include unofficial transfer equivalency and an unofficial what if? for potential transfer students. Also looking to potentially replace Nolij for imaging and an automated process that will alleviate the need for staff to manually enter transcript information for transfer courses for courses/institutions that have already been evaluated. TN Reconnect program postcards have been

sent to 130 former students who have 120+ hours, don't have holds for fees or conduct. Through the review process, discovered several students whose degree never posted (due to petitions not entered, no application to graduate, etc.) The Registrar has granted those degrees. Jennifer Hardy announced tentative timetable/registration dates for Mini, Summer, and Fall – see attached. Alison Connor announced uTrack results for fall. More than 80% of FTF students are on track with 65% of FTT students on track. Ninety students were off-track final at the end of fall. At least half have been resolved. The first group of students has been "retired" from uTrack after graduation. The first predictive assessment will run the first week of February. Frances Nash (OneStop) thanked the advising community for the efforts made for retention. OS called all students eligible to register for spring after their registration date passed (if they were not already registered) to remind them. OneStop will continue to do this each semester. College advising centers also reached out to the students as well as the Registrar to the veteran students. The Financial Aid freeze date is Monday, January 25th – once student schedules are set – any financial aid is calculated based upon student's enrolled hours.

e. Student Success Center – Doug Renalds announced that a new online success workshop for students on probation was piloted in fall. It was so successful that it is mandatory for all students in spring. The online version allows for privacy, is available for all students on probation – not just first-time freshmen for their first semester, and doesn't require space in the increasingly tight real estate market on campus. Students returning from probation or dismissal will take the workshop as well. The requirement is the online module plus two follow-up coaching appointments. Anton Reece announced that UT LEAD students on probation have another requirement – must take the SSC CE 205 class in spring. Most are registered already. SSC is searching for three new professional academic coaches to be hired this spring. This will make the SSC all professional coaching staff. Brandon Jones announced tutoring offerings for spring and Supplemental Instruction changes. New SI subjects include ACCT 200, CS 201, PSYC 110, SPAN 211, 212. MATH will no longer be offered via SI.

f. First-Year Studies – Jason Mastrogiovanni no report.

4. Old Business - none
5. New Business
   a. Nominees for chair 2016-2017. Two nominations were announced – Jamia Stokes, Director Student Services in Education, Health, and Human Sciences and George Drinnon, Director Undergraduate Programs in Haslam College of Business. Link for voting will go out to voting members of the Advising Committee soon. Results announced at April meeting.

Upcoming Meetings:

**Advising Committee (3:30 FBCC 102-104):**
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Aug. 10, 2016 - Deconstructing Student Development Theory and College Impact Models to Construct a Retention-Focused Curriculum with Spontaneity

## APPEALS COMMITTEE

(No Report)

## ASSOCIATE DEANS GROUP

**UG Associate Deans' Group Meeting Minutes**
**September 18th, 2015**

*In Attendance:* RJ Hinde (chair), Chuck Collins, Sherry Cummings, Mary Gunther, David Matthews, Lane Morris, Masood Parang, Joan Rentsch, John Stier, Dixie Thompson and Teresa Walker.

*Guests in attendance:* Richard Bennett, Jennifer Morrow

*Notes taken by and in attendance:* Cora Ripley

**Agenda Item 1: Review minutes of last meeting**

The minutes were approved.

**Agenda Item 2: Review and approve agenda**
No items were added to the agenda.

**Agenda Item 3: Revising SAIS**
Jennifer Morrow reviewed the Provost's charge to the SAIS task force and summarized the task force's work to date. The task force tried to develop a streamlined instrument with a structure that is supported by findings from the end-of-course assessment literature. Morrow discussed the steps that will be taken to pilot, evaluate, and validate the new instrument. The group described the ways in which deans and department heads might use the new end-of-course evaluation and the types of information that should be shared with deans and department heads to promote high-quality undergraduate instruction. Morrow reviewed the options that the task force had considered for response scales and the group discussed each of the options.

**Agenda Item 4: Historical trends in undergraduate course non-completion**
The group reviewed non-completion (sometimes called "DFW") rates for undergraduate courses for the last three academic years. Non-completion rates have been computed for first-time first-year students, for first-time transfer students, and for all other (returning) students. For many 100-level courses, non-completion rates are substantially higher for first-time transfer students than for first-time first-year students. The group discussed the implications of this finding for transfer student preparedness. The group also noted that non-completion rates generally rose on going from AY 2012-13 to AY 2013-14 to AY 2014-15.

**Agenda Item 5: Announcements**
Hinde made announcements about the following topics: Summer Session tuition model, Early Alert participation by faculty, distance education, English-language instruction for non-native speakers of English, and transfer pathways.

**UG Associate Deans' Group Meeting Minutes**
**October 14th, 2015**

*In Attendance:* RJ Hinde (chair), Chuck Collins, David Dupper (for Sherry Cummings), Mary Gunther, Lane Morris, Joan Rentsch, John Stier, Dixie Thompson and Teresa Walker.

*Not in Attendance:* Sherry Cummings and Masood Parang

*Guests in attendance:* Erin Hardin

*Notes taken by and in attendance:* Cora Ripley

**Agenda Item 1: Review minutes of last meeting**
The minutes were approved.

**Agenda Item 2: Review and approve agenda**
No items were added to the agenda.

**Agenda Item 3: General Education Task Force**
Erin Hardin reviewed the Provost's charge to the General Education task force and summarized the task force's work to date. The plan is to implement a new General Education program in the AY 2018-19 Undergraduate Catalog. The task force hopes to put the new General Education program before the Undergraduate Council in Spring 2017 to give colleges ample time to make any changes to degree programs that the new General Education program would necessitate. The group discussed ways that the task force could engage faculty with the revision project.

**Agenda Item 4: Response by Dean of Students to academic issues raised by students**
The group discussed ways that department heads and academic deans could collaborate effectively with the Dean of Students office when a student brings academic issues to the attention of the Dean of Students. Hinde will invite the Dean of Students to send a representative to a future Associate Deans' meeting to continue these discussions.

**Agenda Item 5: Summer 2016 Orientation**
The group discussed the ways in which college offices can collaborate effectively with both Orientation and Admissions during summer orientation. Hinde will invite the Admissions office to send a representative to a future Associate Deans' meeting to continue these discussions, and will communicate concerns raised at today's meeting to Orientation staff.

**Agenda Item 6: AY 2015-16 priorities**
The group reviewed results from a survey that Hinde distributed to associate deans to identify priority areas for the group to work on during AY 2015-16.

## UNDERGRADUATE PLANNING COMMITTEE

**UG Planning Committee Meeting Minutes**
**October 5th, 2015**

*In Attendance:* RJ Hinde (chair), Kari Alldredge, Erik Bledsoe, Denise Gardner, Jonee Lindstrom, Jason Mastrogiovanni (for Ruth Darling), Mark Moon, and Emily Parker

*Guests in Attendance:* Serena Matsunaga

*Not in Attendance:* Betsy Adams, Ruth Darling, and Mark Savage

*Notes taken by and in attendance*: Cora Ripley

**Agenda Item 1: Review minutes of last meeting**
The minutes were approved.

**Agenda Item 2: Review and approve agenda**
No items were added to the agenda.

**Agenda Item 3: Review of action plans from Vol Vision 2015**
The group reviewed the 24 action plans that constitute the undergraduate education component of the Vol Vision 2015 strategic plan. The Planning group's charge is to monitor progress on these 24 plans and prioritize funding for activities associated with the 24 plans. The group noted that 24 plans is a large number of plans to keep track of and discussed ways to ensure that the Planning group's focus stays at a higher level than that of the Undergraduate Tactics group. A review of the plans from 2015 and of the feedback received during the current Vol Vision refresh process reveals two gaps in the 2015 action plans: (1) the 2015 action plans don't focus attention on what happens to UT students after graduation – no focus on career preparation, job or graduate school placement, and the like; and (2) the 2015 action plans don't focus attention on innovative approaches to undergraduate education, such as Experience Learning and a new General Education program.

**Agenda Item 4: Stakeholder input for Vol Vision 2020 refresh**
Serena Matsunaga reviewed findings from the focus groups that have been organized as part of the Vol Vision refresh process. Two common findings are: (1) students generally feel a strong sense of community and support; and (2) students report frustration with UT's processes. The group discussed how UT's processes could be made more "student friendly".

**Agenda Item 5: Collecting additional stakeholder input through FYS courses**
UT spends a considerable amount of time and effort trying to understand why first-year students who leave the institution do so. However, once a student leaves it is very difficult to collect information about that student's experience. The group discussed alternative ways to identify factors and experiences that contribute to first-year student retention. One alternative approach would be to collect information from a large population of first-year students, during the first year, and then look for common aspects of the experience of those students who do not return for their second year. A systematic survey of FYS students would be a step in this direction, although FYS students are not a random sample of the entire first-year population. Other possible approaches would be to carry out a systematic survey of residence hall residents or to systematically survey students during their advising sessions. The group noted that UT's retention rate for entering transfer students is poor and we should identify ways to survey this population as well.

## UG Planning Committee Meeting Minutes
## November 2nd, 2015

*In Attendance:* RJ Hinde (chair), Betsy Adams, Kari Alldredge, Erik Bledsoe, Ruth Darling, Denise Gardner, Jonee Lindstrom, Mark Moon, Emily Parker, and Mark Savage

*Guests in Attendance:* Serena Matsunaga

*Notes taken by and in attendance*: Cora Ripley

**Agenda Item 1: Review minutes of last meeting**
The minutes were approved.

**Agenda Item 2: Review and approve agenda**
No items were added to the agenda.

**Agenda Item 3: Vol Vision 2020 update**
Serena Matsunaga presented a draft of the undergraduate component of the Vol Vision 2020 strategic plan. The new strategic plan has a streamlined undergraduate component when compared with Vol Vision 2015. The action plans have been organized into a relatively small number of topic areas or "buckets" to make it easier for the Planning group to maintain a high-level focus and to leave the day-to-day efforts to the Tactics group. The group discussed how the Planning group could effectively monitor UT's efforts to improve undergraduate education, and how the teams associated with each "bucket" could be structured. The group discussed which year would be used as the baseline year to measure progress on retention and graduation rates during the next five-year period.

**Agenda Item 4: First-time freshman retention, by college, for Fall 2013 and Fall 2014**
The group reviewed retention rates for first-time first-year students entering in Fall 2013 and Fall 2014. There are clear differences between the 2013 and 2014 retention rates, possibly because the Fall 2014 entering class had a larger number of at-risk students. However, because first-generation status for students entering in Fall 2013 may be inaccurate, the assignment of students to risk

buckets for Fall 2013 students may be inaccurate. College-level retention rates have been computed based on a student's choice of major as recorded on the 14th day of the Fall semester. College-level retention rates should be interpreted with care, however, because a large number of students change major and/or college during their first year at UT. Predicted retention rates were computed for each college based on the college's distribution of students among the retention risk "buckets".

## CURRICULUM COMMITTEE

**The University of Tennessee, Knoxville**
**Curriculum Committee**
**Minutes of the Meeting**
**January 12, 2016**

**Call to Order:** A regular meeting of the Curriculum Committee was held in Arena Dining, Room A, on January 12, 2016. The meeting was called to order at 2:02 pm by Katherine Ambroziak, Vice Chair of the Undergraduate Council and Acting Chair of the Curriculum Committee.

**Members present:** Katherine Ambroziak, Richard Bennett, Chuck Collins, Marleen Davis, David Dupper, Mary Holcomb, Masood Parang, Joan Rentsch, Shelia Swift, Heidi Stolz, Dixie Thompson, Aleydis Van de Moortel, and Suzanne Wright

**Others present:** Monique Anderson, Alison Connor. Betsy Gullett, Jennifer Hardy, R. J. Hinde, Tim Hulsey, Matthew Murray, Rebekah Page, John Stier, Molly Sullivan, and Sylvia Turner, Pia Wood

**Approval of Minutes:** The minutes of October 6, 2015, were approved without corrections.

**Curricular proposals:**

- Items from the Consent Agenda were approved without opposition after corrections were made were made.
- Main Agenda items from the College of Agricultural Sciences and Natural Resources were approved without opposition after corrections were made.
- Main Agenda items from the College of Architecture and Design were approved without opposition.
- A motion was made to make a change to a Main Agenda item
- Main Agenda items from the College of Arts and Sciences discussed. A motion was made to make a change to the submission from this college, but the motion died for lack of a second. All items were then approved with one dissenting vote after minor corrections were made.
- Main Agenda items from the Haslam College of Business were approved without opposition.
- Main Agenda items from the College of Education, Health, and Human Sciences were approved without opposition after a minor correction.
- Main Agenda items from the College of Engineering were approved without opposition after a minor correction.
- Main Agenda items regarding courses not taught in four years or more were approved without opposition.
- Main Agenda items from the Howard H. Baker Jr. Center for Public Policy were approved without opposition after minor changes.
- Main Agenda items from the Chancellor's Honors Program were approved without opposition after minor changes.
- Main Agenda items from the Haslam Scholars Program were approved without opposition after minor changes.
- Main Agenda items from the Center for International Education were approved without opposition after minor changes.

**Other business:** Katherine Ambroziak noted that a new chair of the committee would be needed to serve for the remainder of the current academic year and for the 2016-2017 academic year. She asked that members consider volunteering to serve and suggested the election take place at the next regularly scheduled meeting.

**Adjournment:** Katherine Ambroziak adjourned the meeting at 4:42 p.m.

**Next meeting:** The next meeting of the Curriculum Committee will be held on Tuesday, March 22, 2016, in the Fourth Floor Conference Room of Andy Holt Tower beginning at 3:45 p.m.

## Consent Agenda Items
## January 12, 2016

### COLLEGE OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES
**All changes effective fall 2016**

**I. COURSE CHANGES**

**INTERDEPARTMENTAL**
**(AGNR) Agricultural Sciences and Natural Resources**

**REVISE TITLE AND DESCRIPTION**

**AGNR 100 Student Success in the College of Agricultural Sciences and Natural Resources (1)** Orientation and integration into the College of Agricultural Sciences and Natural Resources with emphases in academic and career planning, self-exploration,

college success strategies, professional development, and co-curricular engagement. Students gain knowledge and experiences that will enhance their transition to college and strategies for holistic college success.

*Formerly: Orientation to Studies in Agriculture and Natural Resources (1) Orientation to academic advising and procedures in and information about the college will be emphasized. Various invited guests will review university resources available to help students succeed at their studies. Student-to-student and advisor-to-student sessions are included to discuss the College of Agricultural Sciences and Natural Resources experience.*

*Rationale:* Aligns the title and description with current campus language and expectations for student success. *Impact on other units:* None. *Financial impact:* None.

**DROP**

**AGNR 330 Leadership Development in Agriculture and Natural Resources (1)**
*Rationale:* Low enrollment, only 1 student in past 5 years. *Impact on other units:* None, enrollment limited to Agricultural Sciences and Natural Resources Ambassadors. *Financial impact:* Negligible and positive.

**REVISE CREDIT HOURS AND GRADING RESTRICTION**

**AGNR 497 Honors Research (1-3)**
*Grading Restriction:* Letter grade only

*Formerly: Honors Research (3)*
*Grading Restriction: Satisfactory/No Credit grading only.*

**AGNR 498 Honors Thesis (1-3)**
*Grading Restriction:* Letter grade only

*Formerly: Honors Thesis (1)*
*Grading Restriction: Satisfactory/No Credit grading only*

*Rationale:* The credit hour changes provide more flexibility for students who complete a research-based thesis without requiring them to enroll in and pay for more credits than needed. The grading change was made to be consistent with other research and thesis courses. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF AGRICULTURAL LEADERSHIP, EDUCATION AND COMMUNICATIONS**
**(ALEC) Agricultural Leadership, Education and Communications**

**DROP**

**ALEC 301 Non-Formal Youth Development Programs (1-2)**
*Rationale:* Low enrollment. *Impact on other units:* None. *Financial impact:* Negligible.

**REVISE TITLE AND DESCRIPTION**

**ALEC 303 Analysis of Leadership Approaches and Styles (3)** Examination of historical and current leadership approaches with an emphasis on theory to practice in leadership.

*Formerly: Classic Figures in Leadership. Examination of leadership from an applied context. Leadership is analyzed through a variety of genres: autobiography, drama, fiction, tracts & treatises, and speeches.*

*Rationale:* To more accurately describe the course content. *Impact on other units:* None. *Financial impact:* None.

**REVISE TITLE**

**ALEC 450 Servant Leadership in Agriculture and Natural Resources (3)**

*Formerly: Agricultural Leadership Development*

*Rationale:* To align title with description. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF AGRICULTURAL AND RESOURCE ECONOMICS**
**(AREC) AGRICULTURAL AND RESOURCE ECONOMICS**

**REVISE COURSE DESCRIPTION**

**AREC 110 Opportunities in Agricultural, Food, and Resource Economics (1)** Overview of the curricular requirements for departmental majors, current issues in associated fields of study, and career opportunities.

Formerly: Opportunities in Agricultural, Food, and Resource Economics (1) Overview of current issues and career opportunities for majors and non-majors.

**REVISE COURSE TITLE**

**AREC 212 Introduction to Agribusiness Management (3)**

*Formerly: The Agribusiness Firm (3)*

**DROP**

**AREC 315 Agricultural and Environmental Law (3)**
**AREC 320 Microeconomics of Agriculture, Food and Resources (3)**

**REVISE (RE) PREREQUISITES AND/OR (RE) COREQUISITES**

**AREC 324 Quantitative Methods (3)**
*(RE) Prerequisite(s): AREC 201 or ECON 201 or STAT 201. (RE) Corequisite(s): ECON 311.*
*Formerly: (RE) Prerequisite(s): ECON 201 or STAT 201. (RE) Corequisite(s): AREC 320.*

**AREC 350 The Food and Agricultural Marketing System (3)**
*(RE) Prerequisite(s): AREC 201 or ECON 201 or ECON 211 or AREC 212.*
*Formerly: (RE) Prerequisite(s): AREC 201 or ECON 201 or AREC 212.*

**DROP**

**AREC 355 Agribusiness Marketing and Professional Selling (3)**

**REVISE COURSE DESCRIPTION**

**AREC 410 Senior Seminar (1)** Capstone experience for departmental majors involving application of curricular knowledge and skills to one or more case studies in the field of agricultural and resource economics.
*Formerly: Senior Seminar (1) Practice of critical thinking, ethical behavior, team work, and conflict resolution within the content of agribusiness decision making. Analysis of contemporary issues in the field of agricultural economics.*

**REVISE COURSE TITLE, DESCRIPTION**

**AREC 412 Agricultural Finance and Risk Management (3)** Microeconomic and financial concepts applied to decision problems faced by farms and agribusinesses; financial statement analysis; firm capital structure; time value of money, capital budgeting and investment analysis, risk management and diversification; computer applications.
*Formerly: 412 Agricultural Finance (3) Macro finance, financial objectives, acquisition of debt and equity funds, capital investments, capital allocation, debt repayment, credit analysis, borrower and lender loan application analysis, insurance strategies, computer applications, kinds and sources of agricultural credit, and financial intermediation.*

**REVISE COURSE DESCRIPTION AND PREREQUISITES**

**AREC 420 International Agricultural Trade and Marketing (3)** Introduction to real and monetary aspects of the effects of international trade on agricultural commodity flows; partial equilibrium analysis of international trade in agricultural products; institutional aspects of international marketing of agricultural products.
*(RE) Prerequisite(s): ECON 311.*
*Formerly: International and Agricultural Trade and Marketing (3) Introduction to real and monetary aspects of international trade effect on agricultural commodity flows; partial equilibrium analysis of international trade in agricultural products; institutional aspects of international marketing of agricultural products.*
*(RE) Prerequisite(s): AREC 320.*

**DROP**

**AREC 430 Food and Agricultural Policy (3)**

**REVISE COURSE TITLE**

**AREC 442 Advanced Agribusiness Management (3)**
*Formerly: Agribusiness Management (3)*

**REVISE COURSE TITLE, DESCRIPTION, AND PREREQUISITES**

**AREC 444 Agricultural Production and Technology Management (3)** Advanced topics in agricultural production management and applied use of advanced tools to make farm management decisions. Topics include business structure, managing income tax, machinery management, human resources, and the adoption and use of new and emerging technologies. Applied tools include mathematical programming, regression analysis, and spreadsheet decision tools.
*(RE) Prerequisite(s): AREC 324; AREC 342; AGNR 291.*
*Formerly: Economics of Precision Farming Technologies (3) Economic rationale for precision farming technologies. Topics include technology adoption, production economics, development of decision making tools and the use of spatial data for management of crop production systems.*
*(RE) Prerequisite(s): AREC 201 or ECON 201, AGNR 290.*

**REVISE COURSE TITLE, CREDIT HOURS, DESCRIPTION, AND PREREQUISITES**

**AREC 445 Renewable Energy Economics (2)** Overview of the economics of renewable energy including wind, solar, hydro, and biomass technologies. Assessment of the economic, environmental, and policy forces that are shaping the renewable energy industry. Exploration of methods for evaluating the economic feasibility of investment in renewable energy.

*(RE) Prerequisite(s): AREC 201 or ECON 201 or ECON 211 or graduate standing.*

*Formerly: Economics of Biomass for Renewable Energy (3)*
*Overview of the economics of renewable energy and the potential role for biomass. Assessment of the economic, environmental, and policy forces that are shaping the bioenergy feedstock production, logistics, and conversion.*
*(RE) Prerequisite(s): AREC 201 or ECON 201.*

**REVISE (RE) PREREQUISITES AND/OR (RE) COREQUISITES**

**AREC 460 Rural Economic Development (3)**
*(RE) Prerequisite(s): ECON 311.*
*Formerly: (RE) Prerequisite(s): AREC 320.*

**AREC 470 Policy Analysis for Environmental and Natural Resource Management (3)**
*(RE) Prerequisite(s): AREC 201 or ECON 201 or ECON 211 or graduate standing.*
*Formerly: (RE) Prerequisite(s): AREC 201 or ECON 201.*

**AREC 472 Natural Resource Economics (3)**
*(RE) Prerequisite(s): ECON 311.*
*Formerly: (RE) Prerequisite(s): AREC 320.*

**DEPARTMENT OF ANIMAL SCIENCE**
**(ANSC) Animal Science**

**REVISE TITLE, DESCRIPTION, CREDIT HOURS, CONTACT HOUR DISTRIBUTION**

**ANSC 280 Livestock Management and Well-being (2)** Exposure to current animal agriculture management practices and biotechnology techniques as they affect beef, dairy, poultry, sheep and swine operations and industries. Topics may include animal behavior, restraint and welfare, computer applications, nutrients and nutrient utilization, nutrient waste management, food safety, animal reproduction, health and well-being, emerging technologies and career opportunities in animal agriculture. *Contact Hour Distribution: 1 hour lecture and one 2 hour lab.*

*Formerly: Animal Biotechnology and Management (3) Exposure to current animal agriculture management practices and biotechnology techniques as they affect beef, dairy, horse, poultry, sheep and swine industries. Includes animal behavior, restraint and welfare, computer applications, nutrients and nutrient utilization, waste management, food safety, animal reproduction, health and well being, and emerging technologies and opportunities in animal agriculture. Contact Hour Distribution: Two 3-hour labs.*

*Rationale:* Improve content delivery and efficiency of our sophomore level courses. This change will allow us to focus attention on food animals. This will be complemented by a companion course that focuses on non-food animals (281). The credit hours were decreased to 2 to reflect the decrease in content. *Impact on other units:* ALEC has concentrations that require 280. We have communicated with their undergraduate coordinator on this change so they have time to adapt. *Financial impact:* Decrease in FTE's required.

**DROP**

**ANSC 285 Equine Handling and Care (3)**
*Rationale:* The course is currently an elective and we do not have the FTE's to cover this course with the growth in our core courses. *Impact on other units:* None. *Financial impact:* Allows teaching FTE's to be diverted to core curriculum, reduces tuition income by approximately 80-90 student credit hours per annum.

**REVISE (RE) PREREQUISITE(S)**

**ANSC 330 Comparative Animal Nutrition (3)**
(RE) Prerequisite(s): 220 with a grade of C- or better and Chemistry 110 or Chemistry 130

*Formerly: (RE) Prerequisite(s): 220 and Chemistry 110 or Chemistry 130 with grades of C- or better*

*Rationale:* Analysis of student records from 2012 to 2014 determined that the grade in chemistry was not predictive of future success in 220. *Impact on other units:* None. *Financial impact:* None.

**REVISE DESCRIPTION AND (RE) PREREQUISITE(S)**

**ANSC 420 Advanced Reproductive Technologies Collection (3)** Collection, evaluation, and preservation of ova, spermatozoa and embryos; application of methods of natural breeding and techniques of artificial insemination and embryo transfer; herd sire and dam evaluation; pregnancy determination; gestation and parturition; infertility; recent advances in theriogenology. Students completing the course with a grade of C or higher may qualify for certification in artificial insemination.
*(RE) Prerequisite(s): 320 with a grade of C or higher*

*Formerly: Collection, evaluation, and preservation of ova, spermatozoa and embryos; application of methods of natural breeding and techniques of artificial insemination and embryo transfer; herd sire and dam evaluation; pregnancy determination; gestation and parturition; infertility; recent advances in theriogenology. Students completing the course with a grade of C or higher will receive certification in artificial insemination.*
*(RE) Prerequisite: 320*

*Rationale:* A grade of C in 420 indicates acquiring of knowledge but not necessarily technical proficiency. Both are required for certification. Students with a grade of C or higher in 320 indicates better mastery of the material and perform better in the more advanced course. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF BIOSYSTEMS ENGINEERING AND SOIL SCIENCES**
**(BSET) Biosystems Engineering Technology**

**REVISE REGISTRATION RESTRICTION**

**BSET 211 Construction Documents (3)**
*(RE) Registration Restriction: Environmental and Soil Science Major – Construction Science Concentration or permission of instructor.*
*Formerly: none*
*Rationale:* As our student numbers in our programs grow, this required classes need to be limited in order to ensure that our students can get into it. *Impact on other units:* none; not required course in other programs. *Response to assessment:* none; based on resource needs. *Financial impact:* none.

**REVISE COURSE TITLE, DESCRIPTION, (RE) PREREQUISITE(S)**

**BSET 224 Construction Surveying and Construction Graphics (3)** Introduction to basic construction surveying and related construction graphics. Construction surveying will include introduction to equipment and data collection. Emphasis will be on placed on building layout, project control/evaluation, cut/fill, grade staking, and placement of piping and utilities. The graphics instruction will introduce 2D design that allows students to generate drawings and interpret calculations related to surveying and basic architectural design.
*(RE) Prerequisite(s): 125, Mathematics 141 or 151*
*Formerly: 224 Construction Surveying and CAD Applications (3) Introduction to basic construction surveying and related construction computer aided design (CAD). Construction surveying will include introduction to equipment and data collection. Emphasis will be placed on building layout, project control/evaluation, cut/fill, grade staking, and placement of piping and utilities. The CAD instruction will introduce 2D and 3D design that allows students to generate drawings related to surveying and basic architectural design.*
*(RE) Prerequisite(s): 125 and 211*
*Rationale:* Though the material covered is largely similar, it is being updated to include more modern technologies and expanded uses of the collected information. *Impact on other units:* none. *Response to assessment:* based on input from the Program Advisory Council
Financial impact: none

**REVISE (RE) PREREQUISITE(S) AND (RE) COREQUISITE(S)**

**BSET 225 Mechanical and Electrical Systems in Structures (3)**
(RE) *Prerequisite(s): 125, 211*
*Formerly: (RE) Prerequisite(s):125*

**BSET 270 Behavior of Construction Materials (4)**
*(RE) Prerequisite(s): 125, Mathematics 141 or 151*
*Formerly: (RE) Prerequisite(s):125*

**BSET 325 Structural Mechanics in Construction (3)**
*(RE) Prerequisite(s): letter grade of C or better in Physics 221 or Engineering Fundamentals 151*
*Formerly: (RE) Prerequisite(s): Physics 221*

**BSET 335 Construction Estimating I (3)**
*(RE) Prerequisite(s): 125, 211*
*(RE) Corequisite(s): Accounting 200*
*Formerly: none*

**BSET 345 Green Construction and Construction Safety (3)**
*(RE) Prerequisite(s): 125, 211*
*Formerly: none*

**BSET 355 Project Planning and Control (3)**
*(RE) Prerequisite(s): letter grade of C or better in 335*
*Formerly: none*

**BSET 425 Construction Estimating II (3)**
*(RE) Prerequisite(s): letter grade of C or better in 335*
*Formerly: (RE) Prerequisite(s): 335*

**BSET 432 Agricultural and Construction Equipment (3)**
*(RE) Prerequisite(s): Mathematics 125 or 141 or 152*
*Formerly: (RE) Prerequisite(s): Mathematics 123 or 151*

*Rationale:* Adding prerequisites to better control the flow of students through the program, and to better accommodate students transferring into the program. *Impact on other units:* insignificant, as we are dealing with low student numbers
*Response to assessment:* Based on poor student performance in subsequent classes due to inadequate preparation, especially related to mathematics background. The letter grade prerequisites are proposed on those courses for which a significant degree of competence must be achieved in order to allow success in the subsequent courses. *Financial impact:* none.

**(ESS) Environmental and Soil Sciences**

**REVISE REGISTRATION RESTRICTION**

**ESS 301 Professional Development (1) (OC)**
*(RE) Registration Restriction: Environmental and Soil Science Major or permission of instructor*
*Formerly: (RE) Registration Restriction: Minimum student level - junior*
*Rationale:* As our student numbers in our programs grow, this required class needs to be limited in order to ensure our students can get into it. *Impact on other units:* none; not a required course in any other program. *Response to assessment:* none; based on resource needs. *Financial impact:* none.

**DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY**
**(FDST) Food Science and Technology**

**REVISE CREDIT HOURS**

**FDST 410 Food Chemistry (3)**
*Formerly: (4)*
*Rationale:* A Food Chemistry lab course (1 credit hour) has been added to the required curriculum, so the lecture will now be three days instead of four.

**DEPARTMENT OF FORESTRY, WILDLIFE AND FISHERIES**
**(FORS) FORESTRY**

**REVISE COURSE DESCRIPTION, DROP (RE) CO-REQUISITE(S)**

**FORS 331 Wood Science for Forestry Majors (2)** A survey of the anatomy, properties, applications and impacts of wood materials. Includes training in wood identification.
*Formerly: A survey of the anatomy, properties, applications and impacts of wood materials. Includes training in wood identification. Similar to FORS 333 but the schedule and expectations accommodate attendance in Fall block.*
*(RE) Corequisite(s): 332.*
*Rationale:* The course was moved out of Fall Block of senior year, necessitating a change in the course description and co-requisite. *Impact on other units:* Minimal. *Financial impact:* None. *This courses supports learning objectives 1 and 2 for the B.S. in Wildlife and Fisheries Science. Support from assessment activities: no support; the change was made to add a course to the senior year Fall semester.*

**(FWF) FORESTRY, WILDLIFE AND FISHERIES**

**ADD (DE) COREQUISITE(S)**

**FWF 312 Principles of Silviculture (3)**
(DE) Corequisite(s): FWF 313
Formerly: No (DE) Corequisite(s)
*Rationale:* Students need to have the principles covered in FWF 313 to conduct some of the class exercises late in FWF 312. *Impact on other units:* Minimal. *Financial impact:* None. *This courses supports learning objectives 1 and 2 for the B.S. in Wildlife and Fisheries Science. Support from assessment activities: no support; the change will ensure that students are prepared for the material in 312.*

**DEPARTMENT OF PLANT SCIENCES**
**(PLSC) Plant Sciences**

**REVISE (RE) PREREQUISITE(S)**

**PLSC 210 Horticulture: Principles and Practices (3)**
*(RE) Prerequisite(s): Biology 113 or 114 or consent of instructor.*
*Formerly: (RE) Prerequisite(s): Biology 111 or 112 or consent of instructor.*

**PLSC 348 Landscape Plant Physiology (3)**
*(RE) Prerequisite(s): Biology 113 or 114 or consent of instructor.*
*Formerly: (RE) Prerequisite(s): Biology 111 or 112 or consent of instructor.*

**PLSC 441 Advanced Turfgrass Management (2)**
*(RE) Prerequisite(s): 240 and Biology 113 or 114.*

*Formerly: (RE) Prerequisite(s): 240 and Biology 111 or 112.*

**PLSC 443: Turfgrass Entomology (2)**
*(RE) Prerequisite(s): 240 and Biology 113 or 114*
*Formerly: (RE) Prerequisite(s): 240 and Biology 111 or 112*

**PLSC 452 Plant Biotechnology and Genetics (3)**
*(RE) Prerequisite(s): Biology 113 or 114 or consent of instructor.*
*Formerly: (RE) Prerequisite(s): Biology 111 or 112 or consent of instructor.*

**PLSC 454 Plant Biotechniques (3)**
*(RE) Prerequisite(s): Biology 113 or 114*
*Formerly: (RE) Prerequisite(s): Biology 111 or 112*

**PLSC 457 Weed Management (3)**
*(RE) Prerequisite(s): Environmental and Soil Sciences 210; and Biology 113 or 114 or Plant Sciences 210 or Plant Sciences 250 or consent of instructor.*
*Formerly: (RE) Prerequisite(s): Environmental and Soil Sciences 210; and Biology 111 or 112 or Plant Sciences 210 or Plant Sciences 250 or consent of instructor.*

*Rationale:* Prerequisite(s) are changed to reflect changes in course numbers made by biology department. *Impact on other units:* None. *Financial impact:* None. *Learning outcomes supported by change: Not applicable. How assessments supported need for change: Not applicable.*

**COLLEGE OF ARCHITECTURE AND DESIGN**
**All changes effective fall 2016**

**I. COURSE CHANGES**

**SCHOOL OF ARCHITECTURE**
**(ARCH) Architecture**

**REVISE DESCRIPTION**

**ARCH 211 History and Theory of Architecture I (3)** Architecture and ideas of building and community form in major world cultures from the prehistoric era to about 1750 CE.
*Formerly: Architecture and ideas of building and community form in major world cultures from the prehistoric era to about 1500.*
*Rationale:* In order to update the current sequencing of the History/Theory courses offered by the college, the extension of years from 1500 CE to 1750 CE introduces content from early, high, and late Renaissance and Baroque architectural history, previously taught in 212. This allows us to offer more modern architectural history in that course. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**ARCH 212 History and Theory of Architecture II (3)** Architecture and ideas of building and community form in major world cultures from 1750 CE to the late-20th century.
*Formerly: Architecture and ideas of building and community form in major world cultures from 1500 AD to the mid-20th century.*
*Rationale:* The extension of years from mid to late-20th century offers a fuller overview of modern architectural history. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**CHANGE TITLE AND REVISE DESCRIPTION**

**ARCH 370 Research and Design (3)** Research as an intrinsic aspect of the design process. Use of investigative skills in documentation, research, and analysis of program, site, relevant laws, precedents, and user requirements. Formation of comprehensive program. Combination lecture, seminar, and studio format. First half semester course.
*Formerly: Programming and project pre-design processes. Use of investigative skills in documentation, research, and analysis of program, site, relevant laws, precedents, and user requirements. Formation of comprehensive program. Combination lecture, seminar, and studio format. First half semester course.*
*Rationale:* The changes more accurately reflect the holistic nature of the research endeavor in the course as currently taught. (No change to course content.) *Impact on Other Academic Units:* None. *Financial Impact:* None.

$ **ARCH 371 Design as Applied Research (3)** Understand the design process in relation to research. Execution of design project (as defined in Arc 370), exploring the implications of research on schematic design. Completed projects apply research from Arch 370 through assessment of alternative approaches and well-reasoned design decisions. Second half semester.
*Formerly: Execution of design project as defined in Arc 370, exploring the implications of research on schematic design. Completed projects apply research from Arch 370 through assessment of alternative approaches and well-reasoned design decisions. Second half semester.*
*Rationale:* The changes more accurately reflect the holistic nature of the research endeavor in the course as currently taught. (No change to course content.) *Impact on Other Academic Units:* None. *Financial Impact:* None.

**REVISE VARIABLE CREDIT HOURS (multiple courses)**

**ARCH 422 Special Topics in Urban Design (3-6)**
**ARCH 423 Special Topics in Interior Design (3-6)**
**ARCH 424 Special Topics in Landscape Architecture (3-6)**
**ARCH 450 Special Topics in History, Theory and Criticism (3-6)**
**ARCH 452 Special Topics in Sustainable Design (3-6)**
**ARCH 454 Special Topics in Materials and Construction (3-6)**
**ARCH 455 Special Topics in Digital Fabrication (3-6)**
*Formerly: (1-6)*
*Rationale:* Variable credit is desired for special topics courses to give faculty the flexibility to determine the instructional credit. However, the current 1-6 variable credit defaults to 1 CH if the student does not sign up for specific credits during registration, causing need for additional follow-up and paper-work. Over the past several years, the typical special topics courses have been offered as 3 CH, sometimes 4 CH. The variable 3-6 CH continues to give faculty flexibility, but now the default will be the more typical 3 CH. Note, 425 Special Topics in Architecture will remain as 1-6 CH to give faculty an option for lower CH if needed. *Impact on Other Academic Units:* None. *Financial Impact:* None

**II. PROGRAM CHANGES**

**EDIT TEXT**

On the Main College of Architecture and Design, edit text as follows:
J. David Matthews, Director, School of Interior Design, Associate Dean of Facilities + Technology
Gale Fulton, Director ~~Chair~~, School of Landscape Architecture ~~Program~~, Associate Dean of Research
*Rationale:* New titles reflects change of Interior Design and Landscape Architecture from programs to schools; inclusion of Associate Dean appointments.

On the School of Architecture, add or delete personnel as follows:
**Professors**
Davis, T.K., M Arch – Cornell
~~Schimmenti, M., M Arch – Florida~~
**Associate Professors**
~~Davis, T.K., M Arch – Cornell~~
~~Martella, W.E., B Arch – California (Berkeley)~~
*Rationale:* Updated list of faculty, promotion and retirements.

**SCHOOL OF INTERIOR DESIGN**
**(IDS) Interior Design**

**REVISE CREDIT HOURS AND DISTRIBUTION**

**IDS 331 Drawing and Construction Documentation (3)**
*Formerly: 2 Credit Hours*
*Contact Hour Distribution: 6-hour studio.*
**IDS 360 Business Principles and Practices (2)**
*Formerly: 3 Credit Hours*

*Rationale:* In order to reflect recent technical developments in building technology (including but not limited to: sustainability, digital fabrication, and BIM), the credit hours for IDS331 are increased to 3 credit hours. Given the more complex nature of contemporary building technologies, the existing 2 credit hour offering is unfavorable to students who have less incoming construction knowledge. The contact hour distribution for IDS331 should be removed from the catalog because the course is taught using the standard classroom based instruction.
In an effort to maintain current total hours required for graduation, the credit hours for IDS360 will be reduced to 2 credit hours. This reduction in credit hours is appropriate for the IDS360 course given recent changes in NCIDQ exam qualifications that allow work experience to be earned prior to graduation, providing a structured, yet empirical learning experience. In addition, there is now clearer IDEP criteria for entry-level interior designers who hope to take the NCIDQ exam. A 2 credit hour course which familiarizes the student with the elements of professional practice is a reasonable introduction for students, while the bulk of their understanding of business practices will occur in the first years of their career, under the IDEP experience. *Impact on Other Units:* none. *Financial Impact:* none.

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Interior Design – Traditional Track**

| **Term 2** | | |
|---|---|---|
| ARCH 122, ARCH 172 | 6 | 2.3 cumulative GPA |
| ARTH 173* or ARTH 178* ~~ARCH 211*, ARCH 217*, IDS 211, or IDS 217~~ | 3 | ENGL 102* |
| IDS 200* or IDS 207* | 3 | |
| ENGL 102* | 3 | |

| | | |
|---|---|---|
| **Term 3** | | |
| ARCH 221 | 2 | 2.3 cumulative GPA |
| ARCH 211*, ARCH 217*, IDS 211, or IDS 217 ~~ARCH 212* or ARCH 218*~~ | 3 | MATH 123* |
| ~~IDS 261,~~ IDS 271, IDS 273 | 6 ~~9~~ | |
| MATH 123* | 3 | |
| **Term 4** | | |
| IDS 272, IDS 274 | 6 | 3.0 major GPA or 2.5 major GPA and successful portfolio review |
| IDS 212 or IDS 218, IDS 261 | 6 ~~3~~ | IDS 272 |
| PHYS 161* | 3 | |
| ARCH 212* or ARCH 218* ~~ARTH 173* or ARTH 178*~~ | 3 | |

**Requirements for the Interior Design Major, BS in Interior Design – Masters of Architecture Preparatory Track**

| | | |
|---|---|---|
| **Term 2** | | |
| ARCH 122, ARCH 172 | 6 | 2.3 cumulative GPA |
| ARTH 173* or ARTH 178* ~~IDS 211, IDS 217, ARCH 211*, or ARCH 217*~~ | 3 | ENGL 102* |
| IDS 200* or IDS 207* | 3 | |
| ENGL 102* | 3 | |
| **Term 3** | | |
| ARCH 221 | 2 | 2.3 cumulative GPA |
| IDS 211, IDS 217, ARCH 211*, or ARCH 217* ~~ARCH 212* or ARCH 218*~~ | 3 | MATH 123* |
| IDS 261, IDS 271, IDS 273 | 9 | |
| MATH 123* | 3 | |
| **Term 4** | | |
| IDS 272, IDS 274 | 6 | 3.0 major GPA or 2.5 major GPA and successful portfolio review |
| IDS 212 or IDS 218 | 3 | IDS 272 |
| PHYS 161* | 3 | |
| ARCH 212* or ARCH 218* ~~ARCH 213*~~ | 3 | |
| **Term 5** | | |
| ARCH 421 | 2 | 2.3 cumulative GPA |
| IDS 331, IDS 371, IDS 373, IDS 460* | 11 | IDS 371 |
| ARCH 213* ~~ARTH 173* or ARTH 178*~~ | 3 | |

*Rationale:* The School of Architecture is revising the semester offerings of ARCH 211, 212, 213. The revised sequence reflects the new semester offerings. *Impact on Other Units:* none. *Financial Impact:* none.

**COLLEGE OF ARTS AND SCIENCES**
**All changes effective fall 2016**

**I. Course Changes**

**(NOTE TO CURRICULUM COMMITTEE:** I have chosen to put the changes to various cross-listed courses within the college and various curriculum changes in the Consent Agenda that are purely a consequence of the changes in almost all the courses in History or changes in first courses in Biology**)**

**DEPARTMENT OF ANTHROPOLOGY**
**(ANTH) Anthropology**

**REVISE CREDIT HOURS, ADD CONTACT HOUR DISTRIBUTION**

**ANTH 486 – Introduction to Forensic Anthropology (4)**
*Contact Hour Distribution: 3 hours lecture and 2 hours lab.*
*Formerly: 3 credit hours, no contact hour distribution.*
*Rationale:* This course teaches an applied field of biological anthropology and students would benefit from a dedicated laboratory section, which would allow them to practice the methods discussed in lecture. *Impact on other units:* None. *Financial impact:* None.

**SCHOOL OF ART**
**(ARTB) Art Three-Dimensional Arts**

**DROP**

**ARTB 240 – Techniques and Tools (1)**

*Rationale:* Previously taught by the 3D area technician, a staff position, which is no longer possible pursuant to HR guidelines. Impact on other units: None. *Financial impact:* None.

**ARTB 242 – Figuring the Body (3)**

*Rationale:* Student interest in this class has been low. Figural sculpture will be covered in the intermediate/advanced courses. *Impact on other units:* None. *Financial impact:* None.

**ADD REPEATABILITY**

**ARTB 321 – Intermediate Ceramic Sculpture (4)**
*Repeatability: May be repeated. Maximum 8 hours.*
*(Formerly: Not repeatable)*

**ARTB 322 - Intermediate Pottery (4)**
*Repeatability: May be repeated. Maximum 8 hours.*
*(Formerly: Not repeatable)*

*Rationale:* Students who are not Studio 3D majors sometimes wish to take more UD hours but can't take the 6 credit hour 400-level courses. Making the 300-level courses repeatable will accommodate them. *Impact on other units:* None. *Financial impact:* None.

**DROP**

**ARTB 442 – Senior Seminar (2)**

*Rationale:* This course is obsolete, replaced by ARTB 496 – Capstone. Impact on other units: None. *Financial impact:* None.

**ARTB 495 – Visiting Artist Seminar (2)**

*Rationale:* This course has not been taught in years. *Impact on other units:* None. *Financial impact:* None.

**(ARTC) Art Four-Dimensional Art**

**DROP**

**ARTC 234 – Introduction to Sound Art (3)**

**ARTC 450 – Senior Project (4)**

*Rationale:* Sound Art has been combined with performance art into one course so ARTC 234 is no longer necessary. ARTC 450 has been replaced by a capstone course and is no longer necessary. *Impact on other units:* None. *Financial impact:* None.

**(ARTD) Art Design/Graphic**

**REVISE REPEATABILITY**

**ARTD 255 – Graphic Design Production (3)**
*Repeatability: May be repeated. Maximum 6 hours.*
*(Formerly: not repeatable)*
*Rationale:* Students who do not pass portfolio review retake ARTD 251 and ARTD 255 is a companion course to that course. Students retaking 251 aren't required to repeat 255 but they often want to do so. *Impact on other units:* None. *Financial impact:* None.

**REVISE TITLE, DESCRIPTION, AND (RE) PREREQUISITE(S)**

**ARTD 259 – Intersections in Design (3)**
Investigations into the role of design in a broader context.
*(RE) Prerequisite(s): ARTD 150 or permission of instructor.*
*Formerly:* ***ARTD 259 - Special Topics: Graphic Design (3)***
*Student- or instructor-initiated course offered at discretion of department that examines a particular perspective within design.*
*Comment(s): Prerequisite(s) determined by department for individual topic.*
*Rationale:* Title and description change provides greater specificity as to course content to allow for interdisciplinary opportunities. Change in prereqs reflects changes in the major that have taken place in recent years. *Impact on other units:* None. *Financial impact:* None.

**REVISE COMMENTS**

**ARTD 350 – Graphic Design Portfolio Review (0)**
*Comment(s): Successful completion required prior to registration for junior and senior courses.*
*Formerly: Successful completion of the General Education Culture and Civilizations Option 2 (completing a 2-course sequence in a foreign language at the intermediate level) required.*
*Rationale:* Portfolio review has been moved up to end of fall semester of second year, so most students could not complete foreign language by that time. *Impact on other units:* None. *Financial impact:* None.

**REVISE REPEATABILITY**

**ARTD 405 – Interaction Design (4)**
*Delete repeatability*
*(Formerly: May be repeated. Maximum 12 hours.)*
*Rationale:* 405 will no longer be repeatable. The content of the course used to be variable but it has now been standardized so it should not be repeated. *Impact on other units:* None. *Financial impact:* None.

**REVISE TITLE, DESCRIPTION, AND (RE) PREREQUISITE(S)**

**ARTD 459 – Intersections in Design (3)**
Advanced investigations into the role of design in a broader context.
*(RE) Prerequisite(s): ARTD 350 or permission of instructor.*
*Formerly:* ***ARTD 459 - Special Topics in Graphic Design (3)***
*Student- or instructor-initiated course offered at discretion of department that examines a particular perspective within design.*
*Comment(s): Prerequisites determined by department for individual topic.*
*Rationale:* Title and description change provides greater specificity as to course content to allow for interdisciplinary opportunities. Change in prereqs reflects changes in the major that have taken place in recent years. *Impact on other units:* None. *Financial impact:* None.

**(ARTH) Art History**

**REVISE DESCRIPTIONS**

**ARTH 411 - Art of South and Southeast Asia (3)**
Survey of the art and architecture of the Indian subcontinent and Southeast Asia. The major achievements of each period are examined in relation to their religious, political, and social contexts. Writing-emphasis course.
*Formerly:* ***ARTH 411 - Art of South and Southeast Asia (3)***
*Survey of the art and architecture of the Indian subcontinent and Southeast Asia from 2000 BC to the 20th century. The major achievements of each period are examined in relation to their religious, political, and social contexts. Writing-emphasis course.*

**ARTH 419 - Art of Japan (3)**
Survey of the art and architecture of Japan from the Neolithic period to the 19th century. The major achievements of each period are examined in relation to their religious, political, and social contexts. Writing-emphasis course.
*Formerly:* ***ARTH 419 - Art of Japan (3)***
*Survey of the art and architecture of Japan from the Neolithic period to the 20th century. The major achievements of each period are examined in relation to their religious, political, and social contexts. Writing-emphasis course.*
*Rationale:* The slight change in course descriptions reflects more accurately the course contents. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF BIOCHEMISTRY, CELLULAR AND MOLECULAR BIOLOGY**
**(BCMB) Biochemistry, Cellular and Molecular Biology**

**REVISE (RE) PREREQUISITE(S)**

**BCMB 321 – Introductory Plant Physiology (3)**
*(RE) Prerequisite(s): Biology 101-102 or 113-114-115 or 150-160-159 or equivalent; and Chemistry 130 or Chemistry138.*
Formerly: *(RE) Prerequisite(s): Biology 101-102 or 111-112 or 150-160-159 or equivalent; and Chemistry 130 or 138.*

***BCMB 330 – Mechanisms of Development (3)***
(RE) Prerequisites(s): *Biology 160-159 or 113-115 or equivalent; and Biology 240.*
*Formerly: (RE) Prerequisite(s): Biology 160-159 or equivalent; and Biology 240.*

***BCMB 415 – Foundations in Neurobiology (3)***
*(RE) Prerequisite(s): Biology 160-159 or 113-115; and Physics 222.*
*Formerly: (RE) Prerequisite(s): Biology 160-159 or equivalent; and Physics 222.*

***BCMB 440 – General Physiology (3)***
*(RE) Prerequisite(s): Biology 160-159 or 113-115 or equivalent.*
*Formerly: (RE) Prerequisite(s): Biology 160-159 or equivalent.*

***†BCMB 471 – Biophysical Chemistry (3)***
*(Same as Chemistry 471.)*
*(RE) Prerequisite(s): Biology 102 or 150-159 or 113-115 or equivalent; and Chemistry 350, 360, 369.*
*Formerly: (RE) Prerequisite(s): Biology 102 or 150-159 or equivalent; and Chemistry 350, 360, 369.*

**†BCMB 481 – Biophysical Chemistry (3)**
(Same as Chemistry 481.)
*(RE) Prerequisite(s): Biology 102 or 150-159 or 113-115 or equivalent; and Chemistry 350, 360, 369.*
*Formerly: (RE) Prerequisite(s): Biology 102 or 150-159 or equivalent; and Chemistry 350, 360, 369.*

*Rationale: All these BCMB prerequisite changes are necessary because of the botany changes made by the Division of Biology. Impact on other units:* Division of Biology initiated revisions. *Financial impact:* None.

**REVISE TEXT**

**Biological Sciences Major, BS – Biochemistry and Cellular and Molecular Biology Concentration**
(Paragraph 3 on Program Requirements page)

To declare biological sciences as a major, students must have an overall GPA of 2.0, be in good academic standing and have completed CHEM 120*-CHEM 130* and BIOL 150* or BIOL 158* with a minimum grade of C. Although the completion of either BIOL 113-114-115 or BIOL 150-160-159 are permissible as prerequisites to the major, the faculty encourage students to take BIOL 150-160-159, particularly if they anticipate a career in a health profession.

*Rationale:* The Division of Biology has decided to allow their new courses, 113, 114, and 115, to count as an entry sequence into the major. *Impact on other units:* No direct impact. *Financial impact:* None.

**DIVISION OF BIOLOGY**
**(BIOL) Biology**

**DELETE COMMENT, ADD COREQUISITE:**

***BIOL 167 - Honors: Skills of Biological Investigation (2)**
*(RE) Corequisite(s): 260.*
Formerly: *Comment(s): It is recommended that students are also enrolled in BIOL 158 while taking this lab.*
*Rationale:* The instructor of the course has indicated that the lab is too closely tied to lecture for students to do well in the lab without being in the lecture. *Impact on other units:* None. *Financial impact:* None.

**REVISE (RE) PREREQUISITE(S)**

**BIOL 220 – General Microbiology (2)**
*(RE) Prerequisite(s): 150-160-159 or equivalent; or 113-114-115; or 101-102.*
*Formerly: (RE) Prerequisite(s); 150-160-159 or equivalent; or 101-102.*

**BIOL 240 – General Genetics (4)**
*(RE) Prerequisite(s): 114 or 160 or equivalent.*
*Formerly: (RE) Prerequisite(s): 112 or 160 or equivalent.*

**BIOL 260 – Ecology (2)**
*(RE) Prerequisite(s): 150-160-159 or equivalent; or 113-114-115.*
*Formerly: (RE) Prerequisite(s): 150-160-159 or equivalent; or 111-112.*

**BIOL 280 – Evolution (3)**
*(RE) Prerequisite(s): 150-160-159 or equivalent; or 113-114-115.*
*Formerly: (RE) Prerequisite(s): 150-160-159 or equivalent.*

*Rationale:* Biology is replacing the former botany BIOL 111-112 sequence with a new botany sequence (BIOL 113-114-115) which will be a new entry sequence into the major, necessitating prerequisite changes to many biology, EEB, BCMB, and Microbiology courses. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF CHEMISTRY**
**(CHEM) Chemistry**

**REVISE COURSE DESCRIPTION, ADD (RE) PREREQUISITE(S)**

***Chemistry 128 – Honors General Chemistry I (4)**
A sophisticated treatment of the principles of chemistry designed for students who are well prepared for a thorough and systematic study of chemistry. Topics include atomic structure and bonding, molecular structure, spectroscopy, chemical reactions and stoichiometry, introduction to organic compounds and reactions, intermolecular forces and phase transitions, behavior of gases.
*Prerequisite(s): ACT Composite score of 30 or higher or permission of instructor*

*Formerly: (no description, no (RE) Prerequisite(s)*

**REVISE COURSE DESCRIPTION**

***Chemistry 138 – Honors General Chemistry II (4)**
A sophisticated treatment of the principles of chemistry designed for students who are well prepared for a thorough and systematic study of chemistry. Topics include chemical equilibrium, thermodynamics, kinetics, transition metal complexes and nuclear chemistry.
Formerly: (no description)
*Rationale:* The current description for these courses is woefully deficient and needs to be updated. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF CLASSICS**
**(CLAS) Classics**

**ADD SECONDARY CROSS LISTED COURSES**

**†CLAS 309 – History of the Roman Republic (3)**
*(See History – Europe 303.)*

**†CLAS 310 – History of the Early Roman Empire (3)**
*(See History – Europe 304.)*

**†CLAS 311 – History of the Later Roman Empire (3)**
*(See History – Europe 305.)*

*History – Europe is primary.*

*Rationale:* History, the primary department for these courses, is dropping their courses and adding them back under different codes. *Impact on other units:* Cross listed History courses. *Financial impact:* None.

**DROP SECONDARY CROSS LISTED COURSES:**

**†CLAS 304 – History of the Roman Empire (3)**
*(See History 304.)*

**†CLAS 305 – History of the Late Roman Empire (3)**
*(See History 305.)*

*History is primary.*

*Rationale:* History, the primary department, is dropping most of their courses and adding them back under different codes, necessitating these revisions. *Impact on other units:* Cross listed History courses. *Financial impact:* None.

**REVISE CROSS LISTING**

**†CLAS 302 – History of Classical Greece (3)**
*(Same as History-Europe 302.)*
*Formerly: Same as History 302.*

**†CLAS 306 – History of Hellenistic Greece (3)**
*(Same as History-Europe 306.)*
*Formerly: Same as History 306.*

*Classics is primary.*

*Rationale:* History, the secondary department, is dropping their courses and adding them back under different codes. *Impact on other units:* Courses cross listed with History. *Financial impact:* None.

Classics Equivalency Table

| Current Course | Equivalent Course Effective Fall 2016 |
|---|---|
| CLAS 304 | CLAS 310 |
| CLAS 305 | CLAS 311 |

**REVISE REQUIREMENTS**

**Classics Major, BA – Classical Archaeology Concentration**
(Major page)

**Major Requirements**

**F. Select 3 hours:**

HIME 382 – Archaeology of the Biblical World
HIME 400 – History and Archaeology of Mesopotamia
HIME 486 – Studies in the Ancient Near East
~~HIST 382 – Archaeology of the Biblical World~~
~~HIST 400 – History and Archaeology of Mesopotamia~~
~~HIST 486 – Studies in the Ancient Near East~~

**Honors Classical Archaeology Concentration**

The Honors Classical Archaeology Concentration consists of 30 hours. The required core of the major is CLAS 232*****, which the student must pass with a B+ or higher. 9 hours may be from any Classics course numbered 200 or above (excluding CLAS 273). In strict consultation with a departmental advisor, the student pursuing Honors in Classical Archaeology will select an additional 15 hours from ANTH 361, ANTH 362, ANTH 435, ANTH 463, ANTH 464; CLAS 302, CLAS 304, CLAS 305, CLAS 306, CLAS 436, CLAS 442, CLAS 443, CLAS 444, CLAS 445, CLAS 461; HIME 382, HIME 400, HIME 486 ~~HIST 382, HIST 400, HIST 486~~ to design a program that will advance his or her understanding of a particular specialty within the field of Classical Archaeology. The student must satisfy the College's foreign language requirement with Greek, Latin, French or German. To graduate with Honors, the student must maintain a minimum B+ average in Classics department courses and a minimum cumulative B+ average at UT. In total, the student must take a minimum of 15 hours of Honors courses, not all of which need to be in the major subject area. The student will present an Honors thesis (CLAS 498) which must receive a grade of B+ or higher to permit graduation with Honors.

**Classics Major, BA – Classical Civilization Concentration**
(Major page)

**Major Requirements**

**Select 15 hours:**

HIME 382 – Archaeology of the Biblical World
HIME 400 – History and Archaeology of Mesopotamia
~~HIST 382 – Archaeology of the Biblical World~~
~~HIST 400 – History and Archaeology of Mesopotamia~~

**Honors Classical Civilization Concentration**

The Honors Classical Civilization concentration consists of **30 hours**. The required core of the major is CLAS 201*, which the student must pass with a B+ or higher. 9 hours may be from any courses in the Classics Department numbered 200 and above (excluding CLAS 273). In strict consultation with a departmental advisor, the student pursuing Honors in Classical Civilization will select an additional 15 hours from Classics courses numbered 300 or above, HIME 382 and HIME 400, ~~HIST 382 and HIST 400,~~ and PHIL 320*, to design a program that will advance his or her understanding of a particular specialty within the field of Classical Civilization. To graduate with Honors, the student must maintain a minimum B+ average in Classics Department courses and a minimum cumulative B+ average at UT. In total, the student must take a minimum of 15 hours of Honors courses, not all of which need to be in the major subject area. The student will present an Honors thesis (CLAS 498) which must receive a grade of B+ or higher to permit graduation with Honors.

**Classics Major, BA – Greek Concentration**
(Major page)

**Major Requirements**

**Select 12 hours:**

HIME 382 – Archaeology of the Biblical World
HIME 400 – History and Archaeology of Mesopotamia
~~HIST 382 – Archaeology of the Biblical World~~
~~HIST 400 – History and Archaeology of Mesopotamia~~

**Honors Greek Concentration**

**Select 9 hours:**

HIME 382 – Archaeology of the Biblical World
HIME 400 – History and Archaeology of Mesopotamia
~~HIST 382 – Archaeology of the Biblical World~~
~~HIST 400 – History and Archaeology of Mesopotamia~~

**Classics Major, BA – Latin Concentration**
(Major page)

**Major Requirements**

**Select 12 hours:**

HIME 382 – Archaeology of the Biblical World
HIME 400 – History and Archaeology of Mesopotamia
~~HIST 382 – Archaeology of the Biblical World~~
~~HIST 400 – History and Archaeology of Mesopotamia~~

**Honors Latin Concentration**

**Select 9 hours (at least 6 upper-level):**

HIME 382 – Archaeology of the Biblical World
HIME 400 – History and Archaeology of Mesopotamia
~~HIST 382 – Archaeology of the Biblical World~~
~~HIST 400 – History and Archaeology of Mesopotamia~~

*Rationale:* All of these Classics program changes are to delete the HIST courses and add them back with their new codes. *Impact on other units:* No impact. *Financial impact:* None.

**DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY**
**(EEB) Ecology and Evolutionary Biology**

**REVISE (RE) AND (DE) PREREQUISITE(S)**

**EEB 240 – Human Anatomy (3)**
*(RE) Prerequisite(s): Biochemistry and Cellular and Molecular Biology 230 or Biology 101 or 102 or 150-159 or 160-159 or 113-115 or 114-115 or Microbiology 210.*
*Formerly: Biochemistry and Cellular and Molecular Biology 230 or Biology 101 or 102 or 150-159 or 160-159 or Microbiology 210.*

**†EEB 305 – Evolution and Society (3)**
*(Same as Anthropology 305.)*
*(RE) Prerequisite(s): Anthropology 110 or Biology 101-102 or 113-114-115 or 150 or equivalent.*
*Formerly: (RE) Prerequisite(s): Anthropology 110 or Biology 101-102 or 111-112 or 150 or equivalent.*

**EEB 306 – Ecology and Society (3)**
*(RE) Prerequisite(s): Biology 101-102 or 113-114-115 or 150 or equivalent.*
*Formerly: (RE) Prerequisite(s): Biology 101-102 or 111-112 or 150 or equivalent.*

**EEB 330 – Field Botany (3)**
*(RE) Prerequisite(s): Biology 150 or equivalent; or Biology 114.*
*Formerly: (RE) Prerequisite(s): Biology 150 or equivalent.*

**EEB 351 – Biodiversity of Fungi (4)**
*(DE) Prerequisite(s): Biology 150 or equivalent; or Biology 114.*
*Formerly: (DE) Prerequisite(s): Biology 150 or equivalent.*

**EEB 353 – Comparative Vertebrate Biology (4)**
*(RE) Prerequisite(s): Biology 150 or equivalent; or Biology 114.*
*Formerly: (RE) Prerequisite(s): Biology 150 or equivalent.*

**EEB 414 – Plant Anatomy (3)**
*(RE) Prerequisite(s): Biology 113-114 or Biology 150-160 or equivalent.*
*Formerly: (RE) Prerequisite(s): Biology 111-112 or Biology 150-160 or equivalent.*

**EEB 424 – Plant Diversity and Evolution (3)**
*(RE) Prerequisite(s): Biology 102, Biology 114, Biology 150, or Biology 158.*
*Formerly: (RE) Prerequisite(s): Biology 102, Biology 111, Biology 150, or Biology 158.*

**EEB 463 – Plant Ecophysiology (4)**
*(DE) Prerequisite(s): Biology 150 or equivalent; or Biology 114; or permission of instructor.*
*Formerly: (DE) Prerequisite(s): Biology 150 or equivalent or permission of instructor.*

*Rationale:* Biology is replacing the former botany BIOL 111-112 sequence with a new botany sequence (BIOL 113-114-115) which will be a new entry sequence into the major, necessitating prerequisite changes to many biology, EEB, BCMB, and Microbiology courses. *Impact on other units:* None. *Financial impact:* None.

**EEB 473 – Herpetology (3)**
*(RE) Prerequisite(s): Biology 250 or Biology 260.*
*Formerly: (RE) Prerequisite(s): Biology 280.*

*Rationale:* The current prerequisite was an error and should have been, from the outset, Biology 250 (General Ecology), not Biology 280. For a few years it will be necessary to include either 250 or 260 as a prerequisite in order to allow students who have taken 250 under the old system to take the course. *Impact on other units:* None. *Financial impact:* None.

**REVISE REQUIREMENTS**

Biological Sciences Major, BS – Ecology and Evolutionary Biology Concentration
(Major page)

(Paragraph 3)
To declare biological sciences as a major, students must have an overall GPA of 2.0, be in good academic standing and have completed CHEM 120*-CHEM 130* and BIOL 150* or BIOL 113 ~~BIOL 158*~~ with a minimum grade of C. Although the completion of either BIOL 113-114-115 or BIOL 150-160-159 are permissible as prerequisites to the major, the faculty encourage students to take BIOL 150-160-159, particularly if they are pre-professional students.

**Prerequisites**
**Complete:**
BIOL 113 – Introductory Plant Biology I
BIOL 114 – Introductory Plant Biology II
BIOL 115 – Introductory Plant Biology Laboratory
OR
BIOL 150 – Organismal and Ecological Biology* or equivalent
BIOL 160 – Cellular and Molecular Biology* or equivalent
BIOL 159 – Skills of Biological Investigation* or equivalent
AND

*Rationale:* All of these EEB program changes are to incorporate the new Biology course sequence into the major description. *Impact on other units:* Division of Biology revisions. *Financial impact:* None.

**DEPARTMENT OF ENGLISH**
**(ENGL) English**

**DROP CROSS LISTING**

**ENGL 452 – Modern Drama (3)**
*Formerly: †ENGL 452 – Modern Drama (3) (Same as Comparative Literature 452.)*

*English is primary.*

**ENGL 454 – 20th-Century International Novel (3)**
*Formerly: †ENGL 454 – 20th-Century International Novel (3) (Same as Comparative Literature 454.)*

*English is primary.*

*Rationale:* The Comparative Literature program has been inactive and has had no students for some time. The program is now being dropped. *Impact on other units:* Cross listed with Comparative Literature. *Financial impact:* None.

**DEPARTMENT OF GEOGRAPHY**
**(GEOG) Geography**

**REVISE COURSE TITLE AND DESCRIPTION**

***GEOG 111 Our Digital Earth (3)**
Use geospatial technologies such as mapping and GPS to gain understanding and teach others about the neighborhoods we live in, global society, and the environment. Explore how these technologies empower or disenfranchise people and what the future holds.
Formerly: GEOG 111 - Geography of the Digital World (3) Geographic information technology and embedded spatial concepts in a digital-age society. Creation and interpretation of digital and interactive maps at scales ranging from the local to the global.

*Rationale:* Improves the description for clarity. The existing description is vague and the advising staff and students are confused about course content. *Impact on other units:* None. *Financial impact:* None.

**REVISE COURSE TITLE**

**GEOG 363 – Southern Spaces and Places (3)**
*Formerly: GEOG 363 – Geography of the American South (3)*

**REVISE COURSE TITLE AND DESCRIPTION:**

**GEOG 371 – Exploring Europe (3)**
Physical, socio-cultural, political, and economic characteristics of Europe. Emphasis on the geographical dimensions of change in contemporary Europe. Writing-emphasis course.
Formerly: GEOG 371 – Geography of Europe (3) Physical, cultural, and economic characteristics of Europe. Emphasis on the geographical dimensions of change in contemporary Europe. Writing-emphasis course.

**REVISE TITLE AND DESCRIPTION OF PRIMARY CROSS LISTED COURSE**

**†GEOG 373 – Landscapes and Cultures of Latin America (3)**

Course will analyze and explore the physical, cultural, economic and political characteristics of Latin America.
*(Same as Latin American and Caribbean Studies 373.)*

*Formerly: GEOG 373 – Geography of South America (3) Physical, cultural, and economic characteristics of the countries of South America. Writing-emphasis course.*
*(Same as Latin American and Caribbean Studies 373.)*

**REVISE TITLE AND DESCRIPTION:**

**GEOG 375 – Society and Spaces of South Asia (3)**
Social, cultural, and economic landscapes of South Asia and its increasing significance in a fast globalizing and interconnected world. Writing emphasis course.

*Formerly: GEOG 375 – Geography of South Asia (3)*
*Physical, Cultural, and economic geography of India and its neighbors. Writing emphasis course.*

**REVISE COURSE TITLE**

**GEOG 411 – Intermediate Geographic Information Science (3)**

*Formerly: GEOG 411 – Introduction to Geographic Information Science (3)*

**REVISE COURSE TITLE AND DELETE (RE) PREREQUISITE(S)**

**GEOG 413 – Remote Sensing of the Environment (4)**

*Formerly: GEOG 413 - Introductory Remote Sensing of Environment (4)*
*(RE) Prerequisite(s): 132.*

**REVISE COURSE TITLE**

**GEOG 414 – Spatial Data Management for Socioeconomic and Environmental Applications (3)**

*Formerly: GEOG 414 – Spatial Databases and Data Management (3)*

**GEOG 432 – Environmental History from Tree Rings (4)**

*Formerly: GEOG 432 – Dendrochronology (4)*

**REVISE TITLE AND DESCRIPTION**

**GEOG 441 – Cities as Economic Engines (3)**
Examination of the importance of cities in the global economy and the forces that drive this. Exploration of how city economic growth and decline. Writing-emphasis course.

*Formerly: GEOG 441 – Urban Geography of the United States (3)*
*Concepts and theories concerning development and significance of systems of cities and internal morphology of cities in the United States. Writing-emphasis course.*

**REVISE TITLE, DESCRIPTION, AND CREDIT HOURS**

**GEOG 499 – Practicing Geography (4)**
Geography as practiced today and in the past. Turning your major into a profession. Preparing for careers in geography and related fields. A required course for geography majors.

*Formerly: GEOG 499 – Proseminar in Geography (3)*
*Major themes in geography, especially trends over the past 40 years. A required course for geography majors.*

*Rationale:* In the department's recent program review the outside review team identified a number of ways we needed to update the curriculum. One suggestion was to update current course titles and, in some cases, course descriptions to better reflect contemporary geographic scholarship and the instructional strengths of the faculty. These revisions are addressing that suggestion. *Impact on other units:* GEOG 373 is cross listed with Latin American and Caribbean Studies. *Financial impact: None.*

**DEPARTMENT OF HISTORY**
**(HIST) History**

**ADD REGISTRATION RESTRICTION**

**HIST 299 – Thinking Historically (3)**
Fundamentals of the historian's craft. Variable content. Required for all majors except history honors students.
*Registration Restriction(s): History majors only.*

*Formerly: No Registration Restriction.*

*Rationale:* This course is specific to the curriculum of the History major and we can only offer a limited number per semester. *Impact on other units:* No impact. *Financial impact:* No impact.

**INTERDISCIPLINARY PROGRAMS**
**(AFST) Africana Studies**

**DROP**

**†AFST 300 – The Rise and Fall of Slavery in the United States (3) (See History 300)**

**ADD CROSS LISTED COURSE**

**†AFST 301 – The Rise and Fall of Slavery in the United States (3)**
*(See History-US 300.)*

(History is primary)

**DROP**

**†AFST 346 – African-American Religious History (3) (See History 346)**

**ADD CROSS LISTED COURSES**

**†AFST 361 – Africa to 1400 (3)**
*(See History-Africa 371.)*

**†AFST 362 – Africa Since 1400 (3)**
*(See History-Africa 372.)*

**†AFST 363 – History of the Civil Rights Movement in the United States (3)**
*(See History-US 373.)*

**†AFST 364 – African-American Women's History from Slavery to the Present (3)**
*(See History-US 374.)*

**†AFST 365 – The African-American Experience from the Colonial Period to the Civil War (3)**
*(See History-US 375.)*

**†AFST 366 – The African-American Experience from the Civil War to the Present (3)**
*(See History-US 376.)*

**†AFST 370 – African-American Religious History (3)**
*(See History-US 370.)*

(History is primary)

**DROP**

**†AFST 371 – African History (3) (See History 371)**
**†AFST 372 – African History (3) (See History 372)**
**†AFST 374 – History of the Civil Rights Movement in the United States (3) (See History 374)**
**†AFST 375 – African-American Women's History from Slavery to the Present (3) (See History 376)**
**†AFST 376 – The African-American Experience from the Colonial Period to the Civil War (3) (See History 379)**
**†AFST 380 – The African-American Experience from the Civil War to the Present (3) (See History 380)**
**†AFST 381 – History of South Africa (3) (See History 381)**

**ADD CROSS LISTED COURSES**

**†AFST 382 – History of South Africa (3)**
*(See History-Africa 381.)*

**†AFST 383 – Studies in African History (3)**
*(See History-Africa 383.)*

(History is primary)

**DROP**

**†AFST 469 – Studies in African History (3) (See History 469)**

**ADD CROSS LISTED COURSES**

**†AFST 483 – Studies in African History (3)**
*(See History-Africa 484.)*

(History is primary)

Africana Studies Equivalency Table

| Current Course | Equivalent Course Effective Fall 2016 |
|---|---|
| AFST 300 | AFST 301 |
| AFST 346 | AFST 370 |
| AFST 371 | AFST 361 |
| AFST 372 | AFST 362 |
| AFST 374 | AFST 363 |
| AFST 375 | AFST 364 |
| AFST 376 | AFST 365 |
| AFST 380 | AFST 366 |
| AFST 381 | AFST 382 |
| AFST 469 | AFST 383 |

*Rationale:* These are all courses that are primary History courses. History is dropping most of their HIST courses and adding them back under new codes necessitating the same drops/adds in the secondary units. *Impact on other units:* All History courses. *Financial impact:* None.

**REVISE REQUIREMENTS**

**Africana Studies Concentration, BA Interdisciplinary Programs Major**
(Major Page)

**Concentration Requirements**

**Select 3 hours**

AFST 361 – Africa to 1400
AFST 362 – Africa Since 1400
AFST 365 – The African-American Experience from the Colonial Period to the Civil War
AFST 366 – The African-American Experience from the Civil War to the Present
~~AFST 371 – African History~~
~~AFST 372 – African History~~
~~AFST 376 – The African-American Experience from the Colonial Period to the Civil War~~
~~AFST 380 – The African-American Experience from the Civil War to the Present~~
~~AFST 381 – History of South Africa~~
AFST 382 – History of South Africa

**Select 21 hours**

AFST 361 – Africa to 1400
AFST 362 – Africa Since 1400
AFST 365 – The African-American Experience from the Colonial Period to the Civil War
AFST 366 – The African-American Experience from the Civil War to the Present
~~AFST 371 – African History~~
~~AFST 372 – African History~~
~~AFST 376 – The African-American Experience from the Colonial Period to the Civil War~~
~~AFST 380 – The African-American Experience from the Civil War to the Present~~
~~AFST 381 – History of South Africa~~
AFST 382 – History of South Africa

*Rationale:* All of these AFST courses are cross listed History courses which drop when the HIST courses drop and will have to be added back with new numbers. *Impact on other units:* History department changes. *Financial impact:* None.

**(AMST) American Studies**

**DROP**

**†AMST 300 – The Rise and Fall of Slavery in the United States (3) (See History 300)**

**ADD CROSS LISTED COURSES**

**†AMST 301 – The Rise and Fall of Slavery in the United States (3)**
*(See History-US 300.)*
*History is primary.*

**†AMST 303 – American Cultures (3)**
*(See English 303.)*
*English is primary.*

**ADD CROSS LISTED COURSES**

**†AMST 324 – Gay American History (3)**

*(See History-US 326.)*

**†AMST 325 – Native American History (3)**
*(See History-US 329.)*

*History – US is primary.*

**DROP**

**†AMST 326 – Gay American History (3) (See History 326)**
**†AMST 329 – Native American History (3) (See History 329)**

**ADD CROSS LISTED COURSES**

**†AMST 352 – The 1960s in America (3)**
*(See History-US 356.)*
*History – US is primary.*

**DROP**

**†AMST 356 – The 1960s in America (See History 356)**

**ADD CROSS LISTED COURSES**

**†AMST 373 – History of the Civil Rights Movement in the United States (3)**
*(See History-US 374.)*
*History – US is primary.*

**DROP**

**†AMST 374 – History of the Civil Rights Movement in the United States (3) (See History 374)**

ADD CROSS LISTED COURSES

**†AMST 435 – History of Gender and Sexuality in the U.S. (3)**
*(See History-US 436.)*
*History – US is primary.*

**DROP**

**†AMST 436 – History of Gender and Sexuality in the U.S. (3) (See History 436)**
**†AMST 440 – War and Truth in America (3) (See History 440)**

**ADD CROSS LISTED COURSES**

**†AMST 441 – War and Truth in America (3)**
*(See History-US 440.)*
*History – US is primary.*

**†AMST 455 – Topics in Cherokee History (3)**
*(See History-US 456.)*

*History – US is primary.*

**DROP**

**†AMST 456 – Topics in Cherokee History (3) (See History 456)**

American Studies Equivalency Table

| Current Course | Equivalent Course Effective Fall 2016 |
|---|---|
| AMST 300 | AMST 301 |
| AMST 326 | AMST 324 |
| AMST 329 | AMST 325 |
| AMST 356 | AMST 352 |
| AMST 374 | AMST 373 |
| AMST 436 | AMST 435 |
| AMST 440 | AMST 441 |
| AMST 456 | AMST 455 |

*Rationale:* English 303 is an appropriate course for this program. All other courses are History. The History department is dropping most of its courses and adding them back under different codes so these American Studies courses had to be changed also. *Impact on other units:* Cross listed History and English courses. *Financial impact:* None.

**REVISE REQUIREMENTS**

**American Studies Concentration, BA – Interdisciplinary Programs Major**
(Major Page)

**Concentration Requirements**

**Complete 6 ~~3~~ credit hours:**

*Rationale:* Correcting a mistake made earlier. Both courses are required. *Impact on other units:* None. *Financial impact:* None.

**Select two courses:**

ENGL 237 – Honors American Literature I: Colonial Era to the Civil War
ENGL 238 – Honors American Literature II: Civil War to the Present
~~HIST 221 – History of the United States~~
~~HIST 222 – History of the United States~~
HIUS 221 – History of the United States
HIUS 222 – History of the United States

*Rationale:* Adding honors version of English courses on the list. *Impact on other units:* No impact. *Financial impact:* None.

**Select one upper-division United States history course**:

~~AMST 300 - The Rise and Fall of Slavery in the United States~~
AMST 301 – The Rise and Fall of Slavery in the United States
AMST 324 – Gay American History
AMST 325 – Native American History
~~AMST 326 - Gay American History~~
~~AMST 329 - Native American History~~
AMST 352 – The 1960s in America
~~AMST 356 - The 1960s in America~~
AMST 373 – History of the Civil Rights Movement in the United States
~~AMST 374 - History of the Civil Rights Movement in the United States~~
AMST 435 – History of Gender and Sexuality in the U.S.
~~AMST 436 - History of Gender and Sexuality in the U.S.~~
~~AMST 440 - War and Truth in America~~
AMST 441 – War and Truth in America
AMST 445 – Topics in Cherokee History
~~AMST 456 - Topics in Cherokee History~~
~~HIST 325 - Women in American History~~
~~HIST 346 - African-American Religious History~~
~~HIST 349 - United States Military History, 1754 to the Present~~
~~HIST 350 - Colonial America to 1763~~
~~HIST 351 - The American Revolution, 1763-1789~~
~~HIST 352 - The Early American Republic, 1800-1860~~
~~HIST 353 - The Civil War and Reconstruction Eras, 1860-1877~~
~~HIST 354 - United States, 1877-1933~~
~~HIST 355 - United States, 1933 to the Present~~
~~HIST 363 - U.S. Constitutional History to 1877~~
~~HIST 364 - U.S. Constitutional History from 1877 to the Present~~
~~HIST 376 - African-American Women's History from Slavery to the Present~~
~~HIST 379 - The African-American Experience from the Colonial Period to the Civil War~~
~~HIST 380 - The African-American Experience from the Civil War to the Present~~
~~HIST 417 - Honors: Seminar in United States History~~
~~HIST 439 - Food and Power in United States History~~
~~HIST 441 - The American West~~
~~HIST 444 - History of the South~~
~~HIST 449 - History of Tennessee~~
~~HIST 450 - History of United States Foreign Relations~~
~~HIST 452 - The American Experience in World War II~~
~~HIST 479 - Studies in United States History~~
~~HIST 490 - Internship in the Center for the Study of War and Society~~
HIUS 325 – Women in American History
HIUS 349 – United States Military History
HIUS 350 – Colonial America to 1763
HIUS 351 – The American Revolution
HIUS 352 – The Early American Republic
HIUS 353 – The Civil War and Reconstruction Eras

HIUS 354 – United States, 1877-1933
HIUS 355 – United States, 1933 to the Present
HIUS 363 – U.S. Constitutional History to 1877
HIUS 364 – U.S. Constitutional History 1877-Present
HIUS 370 – African-American Religious History
HIUS 374 – African-American Women's History from Slavery to the Present
HIUS 375 – The African-American Experience from the Colonial Period to the Civil War
HIUS 376 – The African-American Experience from the Civil War to the present
HIUS 417 – Honors: Seminar in U.S. History
HIUS 439 – Food and Power in U.S. History
HIUS 441 – The American West
HIUS 444 – History of the South
HIUS 449 – History of Tennessee
HIUS 450 – History of U.S. Foreign Relations
HIUS 452 – American Experience in World War II
HIUS 484 – Studies in United States History

*Rationale:* These are all History courses that have changed codes. *Impact on other units:* No impact. *Financial impact:* None.

**Select one upper-division American literature course:**
AMST 303 – American Cultures

*Rationale:* This is an appropriate course for this list. *Impact on other units:* None. *Financial impact:* None.

**Select 12 ~~15~~ additional upper-division credit hours:**
AMST 353 – Rastafari and Afro-Caribbean Religions
AMST 360 – Witchcraft, Magic, and Religion
AMST 410 – Topics in American Culture
ARTH 474 – Transatlantic Modernism
PSYC 434 – Psychology of Gender
PSYC 435 – Multicultural Psychology
~~REST 360 – Witchcraft, Magic and Religion~~

*Rationale:* Correcting a mistake made last year. One of the courses in this group was moved to a required section so this section should only require 12 hours. *Impact on other units:* None. *Financial impact:* None.
*Rationale:* These courses are appropriate for this list. *Impact on other units:* No direct impact. Primary units have approved listing these courses. *Financial impact:* None.
*Rationale:* This course is being added to the list as AMST 360. *Impact on other units:* No impact. *Financial impact:* None.

**(ASST) Asian Studies**

**ADD SECONDARY CROSS LISTED COURSE**

**†ASST 339 – Islam in the Modern World (3)**
*(See Religious Studies 339.)*

*Religious Studies is primary.*

*Rationale:* This course is an appropriate addition to the Asian Studies program. *Impact on other units:* Cross listed Religious Studies course. *Financial impact:* None.

**(CNST) Cinema Studies**

**ADD SECONDARY CROSS LISTED COURSE**

**†CNST 366 – Hollywood and the 20th Century (3)**
*(See History-US 366.)*

**DROP SECONDARY CROSS LISTED COURSE**

**†CNST 495 – Modern China in Film (3)**
*(See History 495.)*

**ADD SECONDARY CROSS LISTED COURSE**

**†CNST 496 – Modern China in Film (3)**
*(See History-Asia 495.)*

Cinema Studies Equivalency Table

| Current Course | Equivalent Course Effective Fall 2016 |
|---|---|

| | |
|---|---|
| CNST 495 | CNST 496 |

*Rationale:* History, the primary department, is dropping most of their courses and adding them back under new codes. 366 is being added because it is an appropriate course for this program. *Impact on other units:* Cross listed History courses. *Financial impact:* None.

**(JST) Judaic Studies**

**ADD SECONDARY CROSS LISTED COURSES**

**†JST 366 – History of the Middle East and the Islamic World, ca. 1050-1500 (3)**
*(See History-Middle East 369)*
*History is primary.*

**DROP SECONDARY CROSS LISTED COURSES**

**†JST 369 – History of the Middle East (3)**
*(See History 369)*

**†JST 370 – History of the Middle East (3)**
(See History 370)

*History is primary.*

**ADD SECONDARY CROSS LISTED COURSES**

**†JST 371 – Modern Middle East (3)**
*(See History-Middle East 370)*

**†JST 380 – Archaeology of the Biblical World (3)**
*(See History-Middle East 382)*

*History is primary.*

**DROP SECONDARY CROSS LISTED COURSES**

**†JST 382 – Archaeology of the Biblical World (3)**
***(See History 382)***

**†JST 383 – Early Jewish History (3)**
(See History 383)

*History is primary.*

**ADD SECONDARY CROSS LISTED COURSES**

**†JST 389 – Early Jewish History (3)**
*(See History-Middle East 383)*

**†JST 394 – The Crusades and Medieval Christian-Muslim Relations (3)**
*(See History-European 395)*

*History is primary.*

**DROP SECONDARY CROSS LISTED COURSES**

**†JST 395 – The Crusades and the Medieval Christian-Muslim Relations (3)**
***(See History 395)***

**†JST 484 – Studies in Jewish History (3)**
***(See History 484)***

*History is primary.*

**ADD SECONDARY CROSS LISTED COURSES**

**†JST 485 – Studies in Jewish History (3)**
*(See History-Middle East 484)*

*History is primary.*

Judaic Studies Equivalency Table

| Current Course | Equivalent Course Effective Fall 2016 |
|---|---|
| JST 369 | JST 366 |
| JST 370 | JST 371 |
| JST 382 | JST 380 |
| JST 383 | JST 389 |
| JST 395 | JST 394 |
| JST 484 | JST 485 |

*Rationale:* History, the primary department for these courses, is dropping most of their courses and adding them back under new codes making these changes necessary. *Impact on other units:* History is the primary department. *Financial impact:* None.

**REVISE REQUIREMENTS**

**Judaic Studies Concentration, BA – Interdisciplinary Programs**

**Concentration Requirements**

**Complete:**

~~HIST 383 – Early Jewish History~~
HIME 383 – Early Jewish History

**Select 12 Hours:** (first section)

~~HIST 370 – History of the Middle East~~

HIME 370 – Modern Middle East

*Rationale:* History courses are being dropped and added back under a new code. *Impact on other units:* None. *Financial impact:* None.

**Select 12 Hours:** (second section)

~~ARTH 475 – History of 19th Century Painting and Sculpture in Europe~~
~~HIST 369 – History of the Middle East~~
~~HIST 395 – The Crusades and Medieval Christian-Muslim Relations~~
~~HIST 484 – Studies in Jewish History~~
HIME 369 – History of the Middle East and the Islamic World, ca. 1050-1500
HIME 382 – Archaeology of the Biblical World
HIME 485 – Studies in Jewish History
REST 413 – Seminar in Early Judaism

*Rationale:* History courses are being dropped and added back under new codes. The Art History course is not appropriate for this program. The Religious Studies course is an appropriate course for this program. *Impact on other units:* History and Religious Studies have approved the use of their courses. *Financial impact:* None.

**(LAC) Latin American and Caribbean Studies**

**DROP SECONDARY CROSS LISTED COURSES:**

**†LAC 251 – Introduction to Latin American and Caribbean Studies (3)**
*(See History 255)*

**†LAC 252 – Introduction to Latin American and Caribbean Studies (3)**
*(See History 256)*

**ADD SECONDARY CROSS LISTED COURSES**

**†LAC 255 – Early Latin American and Caribbean History (3)**
*(See History-Latin America 255)*

**†LAC 256 – Modern Latin American and Caribbean History (3)**
*(See History-Latin America 256)*

**†LAC 341 – History of Mexico (3)**
*(See History-Latin America 343)*

**†LAC 342 – History of Brazil (3)**
*(See History Latin America 344)*

*History-Latin America is primary*

**DROP SECONDARY CROSS LISTED COURSES:**

**†LAC 343 – History of Mexico (3)**
*(See History 343)*

**†LAC 344 – History of Brazil (3)**
*(See History 344)*

**†LAC 360 – History of Early Latin America to 1824 (3)**
*(See History 360)*

**†LAC 361 – History of Modern Latin America since 1810 (3)**
*(See History 361)*

**ADD SECONDARY CROSS LISTED COURSES**

**†LAC 362 – History of Early Latin America (3)**
*(See History-Latin America 360)*

**†LAC 363 – History of Modern Latin America (3)**
*(See History-Latin America 361)*

**REVISE TITLE OF SECONDARY CROSS LISTED COURSE**

**†LAC 373 – Landscapes and Cultures of Latin America (3)**
(See Geography 373)
*Formerly: LAC 373 – Geography of South America (3)*
*Geography is primary.*

*Rationale:* Geography, the primary department, is revising the course title. *Impact on other units:* Cross listed Geography course. *Financial impact:* None.

**ADD SECONDARY CROSS LISTED COURSES**

**†LAC 383 – Studies in Latin American and Caribbean History (3)**
*(See History-Latin America 383)*

**†LAC 450 – Slavery in the Early Americas (3)**
*(See History-Latin America 450)*

**†LAC 462 – The Spanish Conquest (3)**
*(See History-Latin America 464)*

**†LAC 463 – Gender and Sexuality in Early Latin America (3)**
*(See History-Latin America 465)*

*History-Latin America is primary*

**DROP SECONDARY CROSS LISTED COURSES:**

**†LAC 464 – The Spanish Conquest (3)**
*(See History 464)*

**†LAC 466 – Gender and Sexuality in Early Latin America (3)**
*(See History 465)*

**†LAC 475 – Studies in Latin American and Caribbean History (3)**
*(See History 475)*

**ADD SECONDARY CROSS LISTED COURSES**

**†LAC 484 – Studies in Latin American and Caribbean History (3)**
*(See History-Latin America 484)*

*History-Latin America is primary*

Latin American and Caribbean Studies Equivalency Table

| Current Course | Equivalent Course Effective Fall 2016 |
|---|---|
| LAC 251 | LAC 255 |
| LAC 252 | LAC 256 |
| LAC 343 | LAC 341 |
| LAC 344 | LAC 342 |
| LAC 360 | LAC 362 |

| | |
|---|---|
| LAC 361 | LAC 363 |
| LAC 464 | LAC 462 |
| LAC 466 | LAC 463 |
| LAC 475 | LAC 484 |

*Rationale:* History, the primary department for these courses, is dropping most of their courses and adding them back under new codes making these changes necessary. *Impact on other units:* History is the primary department. *Financial impact:* None.

**(LING) Linguistics**

**REVISE REQUIREMENTS**

| **Term 2** | | |
|---|---|---|
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language – Indo-European or non-Indo-European (intermediate level)* | 3 | |
| Natural Sciences Lab (continuation of sequence)* | 4 | |
| STAT 201* or STAT 207* ~~Quantitative Reasoning Elective*~~ | 3 | |
| Social Sciences* | 3 | |

**(MRST) Medieval and Renaissance Studies**

**ADD SECONDARY CROSS LISTED COURSES**

**†MRST 309 – Early Middle Ages (3)**
*(See History-Europe 311.)*

**†MRST 310 – High Middle Ages (3)**
*(See History-Europe 312.)*

**†MRST 311 – Later Middle Ages (3)**
*(See History-Europe 313.)*

**DROP SECONDARY CROSS LISTED COURSES:**

**†MRST 312 – Medieval History (3)**
*(See History 312)*

**†MRST 313 – Medieval History (3)**
*(See History 313)*

**ADD SECONDARY CROSS LISTED COURSES**

**†MRST 314 – Renaissance Europe (3)**
*(See History-Europe 314.)*

MEDIEVAL AND RENAISSANCE STUDIES EQUIVALENCY TABLE

| Current Courses | Equivalent Courses Effective Fall 2016 |
|---|---|
| MRST 312 | MRST 310 |
| MRST 313 | MRST 311 |

*Rationale:* History, the primary department for these courses, is dropping all their courses and adding them back under different codes. *Impact on other units:* Secondary cross listed History courses. *Financial impact:* None.

**REVISE REQUIREMENTS**

**Medieval and Renaissance Studies Concentration, BA – Interdisciplinary Programs Major**

**Concentration Requirements**

**Complete:**

HIEU 314 – Renaissance Europe
~~HIST 314 – Renaissance Europe~~

**Select five upper-level elective courses from at least two departments:**

HIEU 304 – History of the Early Roman Empire
HIEU 305 – History of the Later Roman Empire
HIEU 311 – Early Middle Ages
HIEU 312 – High Middle Ages
HIEU 313 – Later Middle Ages
HIEU 315 – Reformation Europe, 1500-1650
HIEU 321 – New Testament and Early Christian Origins

HIEU 322 – Christianity in Late Antiquity
HIEU 323 – Deviance and Persecution in the Christian West
HIEU 392 – History of Pre-Modern Japan
HIEU 395 – The Crusades and Medieval Christian-Muslim Relations
HIEU 429 – Medieval Intellectual History
HIEU 464 – The Spanish Conquest
HIEU 465 – Gender and Sexuality in Early Latin America
HIEU 483 – Studies in Medieval and Early Modern European History
~~HIST 304 – History of the Roman Empire~~
~~HIST 305 – History of the Late Roman Empire~~
~~HIST 312 – Medieval History~~
~~HIST 313 – Medieval History~~
~~HIST 315 – Reformation Europe, 1500-1650~~
~~HIST 321 – New Testament and Early Christian Origins~~
~~HIST 322 – Christianity in Late Antiquity~~
~~HIST 323 – Deviance and Persecution in the Christian West, 1100-1700~~
~~HIST 392 – History of Pre-Modern Japan~~
~~HIST 395 – The Crusades and Medieval Christian-Muslim Relations~~
~~HIST 429 – Medieval Intellectual History~~
~~HIST 464 – The Spanish Conquest~~
~~HIST 465 – Gender and Sexuality in Early Latin America~~
~~HIST 474 – Studies in Medieval and Early Modern European History~~

*Rationale:* History is dropping most of their courses and adding back under different codes. *Impact on other units:* None. *Financial impact:* None.

**(WOST) Women's Studies**

**ADD SECONDARY CROSS LISTED COURSE**

**†WOST 324 – Women in American History (3)**
*(See History – US 325.)*

**DROP SECONDARY CROSS LISTED COURSE**

**†WOST 325 – Women in American History (3)**
*(See History 325)*

**ADD SECONDARY CROSS LISTED COURSE**

**†WOST 374 – African-American Women's History from Slavery to the Present (3)**
*(See History – US 374)*

**DROP SECONDARY CROSS LISTED COURSE**

**†WOST 376 – African-American Women's History from Slavery to the Present (3)**
*(See History 376)*

*Rationale:* History, the primary department, dropped their courses and added them back under new codes so these secondary courses had to drop and be added back with new numbers.

WOMEN'S STUDIES EQUIVALENCY TABLE

| Current Courses | Equivalent Courses Effective Fall 2016 |
|---|---|
| WOST 325 | WOST 324 |
| WOST 376 | WOST 374 |

**REVISE REQUIREMENTS**

**Women's Studies Concentration, BA – Interdisciplinary Programs Major**

**Concentration Requirements**
**Select one course from each area:**
**Women's Heritage:**
WOST 324 – Women in American History
~~WOST 325 – Women in American History~~

*Rationale:* This is a cross listed History course. When History drops the course to change codes the WOST course drops also and is being added back with a new number. *Impact on other units:* Cross listed History course. *Financial impact:* None.

**DEPARTMENT OF MATHEMATICS**

**(MATH) Mathematics**

**REVISE (RE) PREREQUISITE(S)**

***MATH 123 – Finite Mathematics (3)**
*(RE) Prerequisite(s): 119 with a grade of C or better, or 130 with a grade of C or better, or 125 or 141 or 147.*
*Formerly: (RE) Prerequisite(s): 119 or 130 or 125 or 141 or 147.*

***MATH 125 – Basic Calculus (3)**
*(RE) Prerequisite(s): 119 with a grade of C or better, or 130 with a grade of C or better, or 123.*
*Formerly: (RE) Prerequisite(s): 119 or 130 or 123.*

**MATH 130 – Precalculus I (4)**
*(RE) Prerequisite(s): 119 with a grade of C or better, or appropriate placement exam score.*
*Formerly: (RE) Prerequisite(s): 119 or appropriate placement exam score.*

***MATH 141 – Calculus I (4)**
*(RE) Prerequisite(s): 130 with a grade of C or better.*
*Formerly: (RE) Prerequisite(s): 130.*

***MATH 147 – Honors: Calculus I (4)**
*(RE) Prerequisite(s): 130 with a grade of C or better.*
*Formerly: (RE) Prerequisite(s): 130.*

***MATH 151 – Mathematics for the Life Sciences I (3)**
*(RE) Prerequisite(s): 130 with a grade of C or better.*
*Formerly: (RE) Prerequisite(s): 130.*

*Rationale:* Currently MATH 119 and 130 have the grading restriction "A, B, C, No Credit grading only" but grades D-, D, D+ will soon be allowed to transfer. These changes are needed to prevent students transferring a grade below C for MATH 119 or 130 from enrolling in these courses automatically. *Impact on other units:* No impact. *Financial impact:* No impact.

**DEPARTMENT OF MICROBIOLOGY**
**(MICR) Microbiology**

**REVISE (RE) PREREQUISITE(S)**

**MICR 333 – Astrobiology (3)**
*(RE) Prerequisite(s): One eight-credit sequence chosen from Astrology 151-153 and 152-154; Astrology 217-218; Biology 101-102; Biology 111-112; Biology 113-114-115; Biology 150-160-159; Biology 158-168-167; Chemistry 100-110; Chemistry 120-130; Chemistry 128-138; Geography 131-132; Geography 137-132; or two courses chosen from Geology 101, 102, 103, 104, 107, 108; or Physics 135-136, 137-138, or 221-222.*

*Rationale:* This change is necessary because of changes in the Division of Biology courses. *Impact on other units:* No impact. *Financial impact:* No impact.

**REVISE DESCRIPTION, (RE) PREREQUISITE(S), AND ADD RECOMMENDED BACKGROUND**

**MICR 411 – Microbial Genetics (3)**
Mechanisms of gene regulation as well as genetic and phenotypic variation in prokaryotic and eukaryotic microorganisms.
*(RE) Prerequisite(s): Biology 220 and 240.*
*Recommended Background: Microbiology 321.*
*Formerly: MICR 411 – Microbial Genetics (3) Mechanisms of gene transfer, gene regulation, and genetic analysis in bacteria and single-celled fungi (yeasts).*
*(RE) Prerequisite(s): Biology 240.*

**REVISE (RE) PREREQUISITE(S), ADD RECOMMENDED BACKGROUND**

**MICR 420 – Microbial Pathogenesis (3)**
*(RE) Prerequisite(s): Biology 220 and 240.*
*Recommended Background: Microbiology 321.*
*Formerly: (RE) Prerequisite(s): Biology 220.*

**ADD (DE) AND (RE) PREREQUISITE(S), ADD RECOMMENDED BACKGROUND**

**MICR 440 – Virology (3)**
*(RE) Prerequisite(s): Biology 220 and 240.*
*(DE) Corequisite(s): Biochemistry and Cellular and Molecular Biology 401.*
*Recommended Background: Microbiology 321 and 330.*
*Formerly: No prerequisite, no recommended background.*

*Rationale:* These changes are being made to align prereqs and recommended background with change to the major and concentration requirements. *Impact on other units:* No impact. *Financial impact:* No impact.

**REVISE REQUIREMENTS**

**Biological Sciences Major, BS – Microbiology Concentration**
(Major page)

(Paragraph 3)
To declare biological sciences as a major, students must have an overall GPA of 2.0, be in good academic standing and have completed CHEM 120*-CHEM 130* and BIOL 150* or BIOL 113 with a minimum grade of C. Although completion of either BIOL 113-114-115 or BIOL 150-160-159 are permissible as prerequisites to the major, the faculty encourage students to take BIOL 150-160-159, particularly if they anticipate a career in a health profession.

**Prerequisites**

**Complete:**

- BIOL 113 – Introductory Plant Biology I
- BIOL 114 – Introductory Plant Biology II
- BIOL 115 – Introductory Plant Biology Laboratory

OR

- BIOL 150 – Organismal and Ecological Biology* or equivalent
- BIOL 160 – Cellular and Molecular Biology* or equivalent
- BIOL 159 – Skills of Biological Investigation* or equivalent

AND

*Rationale:* Adding the new Biology sequence. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF MODERN FOREIGN LANGUAGES AND LITERATURES**

**(FREN) French**

**REVISE COMMENT, DELETE (RE) PREREQUISITE(S)**

***FREN 217 – Honors: Intermediate French I (3)**
*Comment(s): Departmental placement test required.*
*Formerly: *FREN 217 – Honors: Intermediate French I (3)*
*(RE) Prerequisite(s): Placement score between 300 and 374 or permission of department.*
*Comment(s): Incoming freshmen admitted on basis of diagnostic test, high school average, and performance on ACT.*
*Rationale:* This course has not been taught for several years; we are looking to populate it each fall with freshmen who have done exceptionally well on the placement test. *Impact on other units:* None. *Financial impact:* None.

**REVISE (RE) PREREQUISITE(S) AND COMMENT**

***FREN 218 – Honors: Intermediate French II (3)**
*(RE) Prerequisite(s): 217 or departmental placement test.*
*Comment(s): Students with a grade of A in 211 may enter 218 with permission of instructor.*
*Formerly: *FREN 218 – Honors: Intermediate French II (3)*
*(RE) Prerequisite(s): 217 or placement score between 450 and 499 or permission of the department.*
*Comment(s): Incoming freshmen are admitted on the basis of diagnostic test, high school average, and performance on ACT. Students with a grade of A in 211 may enter 218 with permission of instructor.*
*Rationale:* This course has not been taught in several years. The change reflects how students should ideally be placed into this course. *Impact on other units:* None. *Financial impact:* None.

**REVISE (RE) PREREQUISITE(S)**

**FREN 422 – Advanced Grammar (3)**
*(RE) Prerequisite(s): 334 and 353.*
*Formerly: (RE) Prerequisite(s): 333*
*Rationale:* The current prerequisite allows students to register for this class with only minimal preparation. *Impact on other units:* None. *Financial impact:* None.

**ADD (RE) PREREQUISITE(S)**

**FREN 440 – Capstone Experience in French (3)**
*(RE) Prerequisite(s): 9 hours of course work in French at the 400 level or permission of department.*
*Formerly: no prerequisite.*
*Rationale:* The current registration restriction by itself allows student who have senior standing but have only recently begun a French major or have only recently added French as a second major to register for this class with only minimal language preparation. *Impact on other units:* None. *Financial impact:* None.

**(GERM) GERMAN**

**REVISE REQUIREMENTS**

**Modern Foreign Languages and Literatures Major, BA – German Language and Literature Concentration**

**Language and Literature Concentration**
**Select 3 hours:**
GERM 370 – Witches: Myth, Reality, and Representation
GERM 423 – Themes and Genres in German Cinema
GERM 455 – German Literatures and Cultures

**Modern Foreign Languages and Literatures Major, BA – German Studies Concentration**

**German Studies Concentration**
**Select four literature, culture, arts courses:**
GERM 370 – Witches: Myth, Reality, and Representation
GERM 423 – Themes and Genres in German Cinema
GERM 455 – German Literatures and Cultures

*Rationale:* Correcting a clerical error. These courses were added to the catalog last fall and should count for the German concentrations. *Impact on other units:* None. *Financial impact:* None.

**Select one history course:**
HIEU 315 – Reformation Europe
HIEU 323 – Deviance and Persecution in the Christian West
HIEU 334 – Early Modern Germany
HIEU 335 – Modern Germany
HIEU 484 – Studies in Modern European History
~~HIST 315 – Reformation Europe, 1500-1650~~
~~HIST 323 – Deviance and Persecution in the Christian West, 1100-1700~~
~~HIST 334 – History of Germany~~
~~HIST 335 – History of Germany~~
~~HIST 484 – Studies in Jewish History~~

*Rationale:* History has dropped most of their courses and added them back under new codes. *Impact on other units:* None. *Financial impact:* None.

**Modern Foreign Language and Literatures Major, BA – Language and World Business/German Concentration**

**I. Language Requirement: German – 27 hours**
**C. Select three courses:**
GERM 370 – Witches: Myth, Reality, and Representation
GERM 423 – Themes and Genres in German Cinema
GERM 455 – German Literatures and Cultures

**(JAPA) Japanese**

**REVISE COURSE TITLES:**

**JAPA 451 – Readings in Pre-Modern Japanese Texts (3)**
*Formerly: JAPA 451 - Readings in Pre-Modern Japanese Literature (3)*

**JAPA 452 – Reading in Modern Japanese Texts (3)**
*Formerly: JAPA 452 - Reading in Modern Japanese Literature(3)*

*Rationale:* The new titles reflect that readings may be from literary texts, but also from business, journalistic, and other sources. *Impact on other units:* None. *Financial impact:* None.

**(RUSS) Russian**

**REVISE DESCRIPTION, ADD (RE) PREREQUISITE(S)**

**RUSS 321 - Anton Checkhov: Russia's Bridge to the 20th Century (3)**
Explores the pivotal role in world literature of Anton Chekhov, Russia's master of the short story and history's second-most influential dramatist after Shakespeare. Examines the difference between the early "light" stories and the mature works as a sign of

the author's intuitive awareness of changes taking place in the Russian empire at the turn of the 20th century. Taught in English. MFLL-Russian Studies majors will do some readings in Russian. Writing-emphasis course.
*(RE) Prerequisite(s): English 102.*

*Formerly: RUSS 321 - Anton Checkhov: Russia's Bridge to the 20th Century (3)*
*Explores the pivotal role in world literature of Anton Chekhov, Russia's master of the short story and history's second-most influential dramatist after Shakespeare. Examines the difference between the early "light" stories and the mature works as a sign of the author's intuitive awareness of changes taking place in the Russian empire at the turn of the 20th century. Taught in English. Writing-emphasis course.*

**RUSS 322 - Dostoevsky, Terror, and Pan-Slavic Utopia (3)**
Explores the writings of Fyodor Dostoevsky as expressions of an ideology formed at the nexus of utopianism and anarchism – nirvana and despair. His thought forms a background for considering modern examples of radical and idealist thinking. Taught in English. MFLL-Russian Studies majors will do some readings in Russian. Writing-emphasis course.
*(RE) Prerequisite: English 102.*

*Formerly: RUSS 322 - Dostoevsky, Terror, and Pan-Slavic Utopia (3)*
*Explores the writings of Fyodor Dostoevsky as expressions of an ideology formed at the nexus of utopianism and anarchism – nirvana and despair. His thought forms a background for considering modern examples of radical and idealist thinking. Taught in English. Writing-emphasis course.*

*Rationale:* These changes are part of an ongoing revision of the Russian Studies curriculum. *Impact on other units:* None. *Financial impact:* None.

**(SPAN) Spanish**

**REVISE COURSE TITLE**

**SPAN 111 – Elementary Spanish I (3)**
*Formerly: SPAN 111 Elementary Spanish (3)*

**SPAN 112 – Elementary Spanish II (3)**
*Formerly: SPAN 112 Elementary Spanish (3)*

**SPAN 150 – Intermediate Spanish (3)**
*Formerly: SPAN 150 Intermediate Spanish Transition (3)*

***SPAN 211 – Intermediate Spanish I (3)**
*Formerly: SPAN 211 Intermediate Spanish (3)*

***SPAN 212 – Intermediate Spanish II (3)**
*Formerly: SPAN 212 Intermediate Spanish (3)*

***SPAN 217 – Honors: Intermediate Spanish I (3)**
*Formerly: SPAN 217 Honors: Intermediate Spanish (3)*

***SPAN 218 – Honors: Intermediate Spanish II (3)**
*Formerly: SPAN 218 Honors: Intermediate Spanish (3)*

*Rationale:* The updated titles reflect more accurately the sequence of the courses. *Impact on other units:* None. *Financial impact:* None.

**REVISE CREDIT RESTRICTION**

**SPAN 305 – Conversation and Aural Comprehension (3)**
*Credit Restriction: Not available for credit for students whose level of proficiency in Spanish is superior as defined by the ACTFL Proficiency Guidelines. Not available to students who have completed 9 or more hours at the 300-level or above.*

*Formerly: Not available for credit for students whose level of proficiency in Spanish is superior as defined by the ACTFL Proficiency Guidelines.*

*Rationale:* Students should take this course at the beginning of the major. It is not appropriate for students who have already studied abroad or completed upper division courses. *Impact on other units:* None. *Financial impact:* None.

**REVISE (RE) PREREQUISITE(S)**

**SPAN 323 – Upper-level Grammar and Composition (3)**
*(RE) Prerequisite(s): a B or better in 218 or a C or better in 300.*

*Formerly: (RE) Prerequisite(s): 218 or 300*

*Rationale:* Students need a solid foundation to be successful in 323 which is the first course for the major. Students who get a B or better in 218 already receive credit for 300 and this makes the expectation similar for students taking 218 or 300. *Impact on other units:* None. *Financial impact:* None.

**SPAN 422 – Advanced Grammar and Translation (3)**

*(RE) Prerequisite(s): 323 and three additional Spanish courses above 323.*
*Formerly: (RE) Prerequisite(s): 323.*
*Rationale:* Students who have less than a minimum of 12 credit hours of upper-division Spanish are not prepared to be successful in an advanced grammar class that emphasizes the more subtle aspects of the language such as tone, irony, nuanced meanings across regions in the Hispanic world. *Impact on other units:* None. *Financial impact:* None.

**SCHOOL OF MUSIC**
**(MUPF) Music Performance**

**REVISE COMMENTS**

**MUPF 294 – Composition (1-3)**
*Comment(s): Requires audition, registration for ensemble appropriate to degree program, and permission of instructor.*
*Formerly: Comment(s): Requires audition, registration for ensemble appropriate to degree program, and C or higher in Music Theory 210 and Music Theory 230.*
*Rationale:* We wish to remove the course restrictions as students sometimes get off sequence and are taking these courses earlier or later. *Impact on other units:* None. *Financial impact:* None.

**REVISE (RE) PREREQUISITE(S) AND COMMENT(S)**

**MUPF 494 – Composition (1-3)**
*(RE) Prerequisite(s): 395.*
*Comment(s): Requires audition, registration for ensemble appropriate to degree program, and C or higher in 395.*
*Formerly: (RE) Prerequisite(s): 394.*
*Comment(s): Requires audition, registration for ensemble appropriate to degree program, and C or higher in 394.*

**MUPF 495 – Composition (1-3)**
(RE) Prerequisite(s): 494.
Comment(s): Requires audition, registration for ensemble appropriate to degree program, and C or higher in 494.
*Formerly: (RE) Prerequisite(s): 395.*
*Comment(s): Requires audition, registration for ensemble appropriate to degree program, and C or higher in 395.*
*Rationale:* Prerequisite and comment on these courses had the wrong course listed. *Impact on other units:* None. *Financial impact:* None.

**(MUTH) Music Theory**

**REMOVE (RE) PREREQUISITE(S)**

**MUTH 130 - Ear Training I (1)**
(No prerequisites)
*Formerly: (RE) Prerequisite(s): 100.*
*Rationale:* Removing the prerequisite will make registration of incoming freshmen easier. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF PHYSICS AND ASTRONOMY**
**(PHYS) Physics**

**REVISE DESCRIPTION**

**PHYS 342 – Structure of Matter (3)**
Elementary solid state physics. Bonding in solids, free-electron-gas theory of metals, crystal structures, reciprocal lattice, energy bands, phonons, semiconductors and semiconductor devices, optical properties of solids, phenomenological description of superconductivity, magnetism, and other forms of broken symmetry.
Formerly: PHYS 342 – Structure of Matter (3) Physics of molecules and condensed matter.
*Rationale:* The new course description better enumerates the topics that are covered in a modern introductory structure of matter course. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF PSYCHOLOGY**
**(PSYC) Psychology**

**REVISE TITLE, (RE) PREREQUISITE(S), DELETE REGISTRATION RESTRICTION**

**PSYC 395 – Advanced Research Methods in Psychology (3)**
*(RE) Prerequisite(s): 295; and 385 or Mathematics 115 or Statistics 201 or equivalent.*
*Formerly: PSYC 395 – Methods of Research in Psychology (3)*
*(RE) Prerequisite(s): 385 or Mathematics 115.*
*Registration Restriction(s): Minimum student level – junior.*
*Rationale:* This course will serve as an advanced methods course that builds on the basic course 295. The changes to course title and prerequisites will reflect these changes. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF RELIGIOUS STUDIES**
**(REST) Religious Studies**

**ADD**

**†REST 314 – Reformation Europe, 1500-1650 (3)**
*(See History – Europe 315.)*

*History – Europe is primary.*

*Rationale:* This course is being dropped by the primary department and added back under a new code. *Impact on other units:* Cross listed History-Europe course. *Financial impact:* None.

**DROP**

**†REST 315 – Reformation Europe, 1500-1650 (3)**
*(See History 315)*
*History is primary.*

*Rationale:* History, the primary department, is dropping this course and adding back under a new code. *Impact on other units:* Cross listed History course. *Financial impact:* None.

Religious Studies Equivalency Table

| Current Course | Equivalent Course Effective Fall 2016 |
|---|---|
| REST 315 | REST 314 |
| REST 333 | REST 339 |

**DROP ONE CROSS LISTING DEPARTMENT**

**†REST 320 – Gender and Religion (3)**
*(Same as Women's Studies 320.)*
*Formerly: REST 320 - Gender and Religion (3)*
*(Same as Judaic Studies 320; Women's Studies 320.)*
*Religious Studies is primary.*

*Rationale:* The cross listing with Judaic Studies is no longer appropriate for the way the course will be taught in the future. *Impact on other units:* Presently cross listed with Judaic Studies. *Financial impact:* None.

**REVISE CROSS LISTING**

**†REST 321 - New Testament and Early Christian Origins (3)**
*(Same as History – Europe 321; Judaic Studies 321.)*
*Formerly: REST 321 - New Testament and Early Christian Origins (3)*
*(Same as History 322; Judaic Studies 321.)*
*Religious Studies is primary.*

**†REST 322 - Christianity in Late Antiquity (3)**
*(Same as History – Europe 322.)*
*Formerly: REST 322 - Christianity in Late Antiquity (3)*
*(Same as History 322.)*
*Religious Studies is primary.*

*Rationale:* The History department is dropping most of their courses and adding back under new codes. These cross listings will be added back under History-US and History-Europe. *Impact on other units:* Cross listed with History. *Financial impact:* None.

**REVISE CROSS LISTING AND CREDIT RESTRICTION**

**†REST 359 - American Religious History (3)**
*(Same as History – United States 359.)*
*Credit Restriction: Students may not receive credit for both History – United States 359 and Religious Studies 351.*
*Formerly: REST 359 - American Religious History (3)*
*(Same as History 359.)*
*Credit Restriction: Students may not receive credit for both History 359 and Religious Studies 351.*
*Rationale:* The History department is dropping most of their courses and adding back under new codes. These cross listings will be added back under History-US and History-Europe. *Impact on other units:* Cross listed with History. *Financial impact:* None.

**DEPARTMENT OF THEATRE**
**(THEA) Theatre**

**DELETE (RE) PREREQUISITE(S)**

**THEA 446 – Costume Patterning (3)**
*(No prerequisites)*
*Formerly: THEA 446 – Costume Patterning (3)*
*(RE) Prerequisite(s): 345*
*Rationale:* 345, costume construction, is not offered often enough to consistently allow students to take it prior to 446. The instructor will modify the course content to allow for the deficiencies in students who have not taken 345. *Impact on other units:* None. *Financial impact:* None.

**HASLAM COLLEGE OF BUSINESS**
**All changes effective fall 2016**

**Part I. COURSE CHANGES**

**(BUAD) Business Administration**

**REVISE (RE) PREREQUISITE(S) AND (RE) COREQUISITE(S)**

**BUAD 242 Business Software Applications (2)**
*(RE) Prerequisite(s): Accounting 200.*
*Formerly: (RE) Prerequisite(s): Accounting 200 and Economics 201 or 207.*
*(RE) Corequisite(s): Statistics 201 or 207.*
*Rationale:* Better reflects content background needed for course. Advisors will still recommend that students take course in term 4, but this change will allow for more flexibility with students' academic planning and increase the likelihood that students can progress into upper-level courses in their third year. *Staffing Impact:* None; we are still restricting course to business students, so enrollment is not expected to increase significantly due to this change. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**BUAD 342 CBM II: Information Management (2)**
*(RE)Prerequisite(s): C or better in all the progression courses – Accounting 200; Economics 201; Communication Studies 210 or 240; English 255 or 295; Management 201; Mathematics 123-125 or Mathematics 141-142; and Statistics 201(or honors equivalents).*
*(RE) Corequisite(s): 242*
*Formerly: (RE) Prerequisite(s): C or better in 242 and all the progression courses – Accounting 200; Economics 201; Communication Studies 210 or 240; English 255 or 295; Management 201; Mathematics 123-125 or Mathematics 141-142; and Statistics 201(or honors equivalents).*
*Rationale:* Content in 242 and 342 has changed to where 242 prerequisite is no longer critical to success in 342. Increased scheduling flexibility will also help students to graduate on time. *Staffing Impact:* None anticipated. Advisors will still recommend that, where possible, students take courses in separate terms. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**(IB) International Business**

**REVISE (RE) PREREQUISITE(S)**

**IB 409 International Business (3)**
*(RE) Prerequisite(s): Management 201 or 207.*
*Formerly: (RE) Prerequisite(s): Business Administration 361.*

**IB 429 International Economics for Business (3)**
*(RE)Prerequisite(s): Economics 201 or 207, or Economics 211 and 213 (or honors equivalents).*
*Formerly: (RE) Prerequisite(s): Business Administration 361.*

**IB 439 Global Supply Chain Management (3)**
*(RE)Prerequisite(s): Business Administration 331 or 337.*
*Formerly: (RE) Prerequisite(s): Business Administration 331 or 337 and Business Administration 361.*

**IB 449 International Finance (3)**
*(RE) Prerequisite(s): Finance 301 or 307 with grade of C or better.*
*Formerly: (RE) Prerequisite(s): Business Administration 361 and Finance 301 or 307 with grades of C or better.*

**IB 459 International Competition and Performance (3)**
*(RE)Prerequisite(s): Management 201.*
*Formerly: (RE) Prerequisite(s): Business Administration 361.*

*Rationale:* Business Administration 361 will no longer be taught after summer or fall 2016. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**DEPARTMENT OF ACCOUNTING AND INFORMATION MANAGEMENT**
**(INMT) Information Management**

**REVISE DESCRIPTION**

**INMT 342 Introduction to Database Systems (3)** This 'hands on', project-based course, involves the use of several technology tools to build and deploy database solutions. Topics include fundamentals of database technology, database design, database use, database system controls, and database implementation. Focus is on developing the technical and business skills necessary to successfully gather information and improve business processes in technology-driven environments. Students work with modern database management systems software and develop database project management skills.

*Formerly: Fundamentals of database technology, database design, database use, database system controls, and database implementation. Focus is on developing the technical and business skills necessary to successfully gather information and improve business processes in technology-driven environments. Students work with modern database management systems software and develop database project management skills.*

*Rationale:* More accurately reflects course content. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**REVISE DESCRIPTION AND (RE) PREREQUISITE(S)**

**INMT 442 e-Enterprise (3)** This 'hands on,' project-based course introduces students to transaction processing basics, the flow of data in businesses, business application software, and key information management trends and challenges, with a focus on Internet enabled business processes that connect buyers, suppliers, and trading partners in dynamic, real-time information sharing partnership. Students work with a variety of tools to enhance their knowledge and technology skills (e.g., power spreadsheet modeling, corporate application (ERP, CRM, SCM) software, data analytics software, etc.)

*(RE) Prerequisite(s): 341 with grade of C or better or Business Analytics and Statistics 320 with grade of C or better.*

Formerly: Introduction to Internet enabled business processes that connect buyers, suppliers, and trading partners in dynamic, real-time information sharing partnerships. The course discusses and illustrates how the complete value chain, from procurement of raw materials on the supply side to consumer retailing and customer management on the demand side, is integrated and made potentially more efficient.

*(RE) Prerequisite(s): 341 with grade of C or better.*

**INMT 443 Business Applications and Tools (3)** This 'hands-on', projects-based course introduces students to business application logic and object programming. Topics include fundamentals of business application logic, business application architectures, and project management. Students use application development tools to write Visual Basic algorithms which link to databases and other file types.

*(RE) Prerequisite(s): 341 with grade of C or better or Business Analytics and Statistics 320 with grade of C or better.*

Formerly: Fundamentals of business application logic, business application architectures, and project management. Students learn to apply advanced tools associated with spreadsheets and databases (using Visual Basic algorithms).

*(RE) Prerequisite(s): 341 with grade of C or better.*

*Rationale:* Better reflects course content and enables Business Analytics majors to have more flexibility when choosing the information management collateral. *Staffing Impact:* No immediate impact. If the IM collateral continues to grow, the number of sections needed could increase. *Impact on Other Academic Units:* Provides more flexibility for Business Analytics majors. *Financial Impact:* None.

**DEPARTMENT OF BUSINESS ANALYTICS AND STATISTICS**
**(BAS) Business Analytics and Statistics**

**REVISE (RE) PREREQUISITE(S)**

**BAS 475 Applied Time Series and Forecasting (3)**

*(RE) Prerequisite(s): 320 with grade of B- or better or consent of instructor.*

*Formerly: (RE) Prerequisite(s): 471 or consent of instructor.*

*Rationale:* Based on other curriculum change proposals, BAS 471 - Business Analytics Capstone is to be renamed "Statistical Methods", and changed from a required course to an elective course. Leaving the prerequisite for BAS 475 as BAS 471 would reduce the number of students eligible to take BAS 475. Through deliberations between the instructors of BAS 320 - Regression Modeling - and BAS 475, it was decided that as long as some specific Time Series topics were covered in BAS 320, that such students would be qualified to take BAS 475. The instructor of BAS 320 has agreed to cover these topics. However, past experience with students that received only a grade of "C" in BAS 320 was that they had difficulty passing BAS 475, and in fact such student were advised to not take BAS 475. We believe requiring a B- or better in BAS 320 as a prerequisite to BAS 475 will prevent students entering BAS 475 with little hope of succeeding. Through advising, this has been the implied prerequisite to BAS 475 for some time: this proposed change makes it explicit. *Staffing Impact:* None. *Impact on Other Academic Units:* Some Statistics majors and minors in the College of Arts and Sciences take 475, but they also have other courses that can fulfill that requirement. This change will be communicated to that college. *Financial Impact:* None.

**DEPARTMENT OF ECONOMICS**
**(ECON) Economics**

**REVISE REGISTRICTION(S)**

***ECON 211 Principles of Microeconomics (3)**

*Registration Restriction(s): Majors in the Haslam College of Business or Economics majors in the College of Arts and Sciences or the Department of Agricultural and Resource Economics in the College of Agricultural Sciences and Natural Resources only.*
*Formerly: Registration Restriction(s): Majors in the Haslam College of Business or Economics majors in the College of Arts and Sciences only.*

***ECON 213 Principles of Macroeconomics (3)**
*Registration Restriction(s): Majors in the Haslam College of Business or Economics majors in the College of Arts and Sciences or the Department of Agricultural and Resource Economics in the College of Agricultural Sciences and Natural Resources only.*
*Formerly: Registration Restriction(s): Majors in the Haslam College of Business or Economics majors in the College of Arts and Sciences only.*

**REVISE (RE) PREREQUISITE(S), ADD (RE) COREQUISITE(S)**

**ECON 311 Intermediate Microeconomics (3)**
*(RE) Prerequisite(s): 201 or 207.*
*(RE) Corequisite(s): Statistics 201 or 207.*
*Formerly: (RE)Prerequisite(s): 201 or 207 and Statistics 201 or 207.*

**ECON 313 Intermediate Macroeconomics (3)**
*(RE) Prerequisite(s): 201 or 207.*
*(RE) Corequisite(s): Statistics 201 or 207.*
*Formerly: (RE)Prerequisite(s): 201 or 207 and Statistics 201 or 207.*

*Rationale:* This helps students progress more efficiently through the intermediate theory classes (Econ 311, 313), and move into their Econ 400 level classes earlier. This helps them achieve more depth in Economics when applying for internships and jobs. It also is valuable to students who decide later in their program that they want to earn an Economics minor. *Staffing Impact:* None. *Impact on Other Academic Units:* May create modest change in timing for some Econ majors/minors in Stat 201. No significant volume impact expected, however. *Financial Impact:* None.

**DEPARTMENT OF FINANCE**
**(FINC) Finance**

**REVISE (RE) PREREQUISITE(S), ADD (RE) COREQUISITE(S)**

**FINC 425 Investment and Portfolio Management (3)**
*(RE) Prerequisite(s): 301 or 307 with grade of C or better.*
*(RE) Corequisite(s): Accounting 301.*
*Formerly: (RE) Prerequisite(s): 301 or 307 and Accounting 301 with grades of C or better.*
*Rationale:* Expected to better facilitate student progression in major. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**REVISE DESCRIPTION**

**FINC 475 Insurance and Financial Planning Management (3)** Course will cover the basic principles of risk management; insurance; and financial, estate and retirement planning. For students interested, an optional component of the class may include material for property and casualty pre-licensing education.
*Formerly: Course will cover the basic principles of risk management; insurance; and financial, estate and retirement planning.*
*Rationale:* Course reflects students' ability to gain pre-licensing in the area of property and casualty. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**FINC 495 Investment Fund Management (1-3)** Students manage a portfolio(s) of real dollars and have fiduciary responsibility regarding same. Emphasis is on decisions that must be made by and/or for the ultimate investor using analytical tools and empirical evidence.
*Formerly: Members of this class (or investment team) manage over a half-million dollar portfolio of common stocks on behalf of the Tennessee Valley Authority (TVA). This team also engages in a 25-university investment performance competition sponsored by TVA.*
*Rationale:* Change in course description allows for alternative investment fund experiences. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**DEPARTMENT OF MANAGEMENT**
**(ENT) Entrepreneurship**

**REVISE REGISTRATION RESTRICTION(S)**

**ENT 350 Introduction to Entrepreneurship (3)**
*Registration Restriction(s): Minimum of 45 completed credit hours.*
Formerly: *Registration Restriction(s): Minimum student level – junior.*

**ENT 410 Leadership in Nonprofits and Social Entrepreneurship (3)**

*Registration Restriction(s): Minimum of 45 completed credit hours.*
*Formerly: Registration Restriction(s): Minimum student level – junior.*

**ENT 415 Start-Overs as Start-Ups (3)**
*Registration Restriction(s): Minimum of 45 completed credit hours.*
*Formerly: Registration Restriction(s): Minimum student level – junior.*

**ENT 420 Entrepreneurial Finance (3)**
*Registration Restriction(s): Minimum of 45 completed credit hours.*
*Formerly: Registration Restriction(s): Minimum student level – junior.*

**ENT 425 Entrepreneurial Marketing (3)**
*Registration Restriction(s): Minimum of 45 completed credit hours.*
Formerly: *Registration Restriction(s): Minimum student level – junior.*

*Rationale:* The restriction requiring the student to have obtained junior status means that the time required to earn the minor is compressed into three semesters; or, special override is required by advising. Within the College of Business, where our advising team is fully aware of the need to override, this creates additional work, but it doesn't deter students from the minor. In other colleges, where the advising staff is not fully conversant with the situation, they rely on the restriction and do not allow students into the classes until second semester, junior year. This potentially creates overcrowding in that semester. *Staffing Impact:* Minimal, may actually reduce staffing pressure in the second semester junior year by more evenly spreading the enrollments over two semesters. *Impact on Other Academic Units:* Does not delete or alter programs in other academic units. *Financial Impact:* No effect is anticipated.

**(MGT) Management**

**REVISE (RE) PREREQUISITE(S) AND (RE) COREQUISITE(S)**

**MGT 336 Foundations of Organizational Behavior (3)**
*(RE) Corequisite(s): Business Administration 331 or 337 or Business Administration 341.*
*Formerly: (RE) Corequisite(s): Business Administration 353 or 357.*
*Rationale:* Business Administration 353 will no longer be taught after the 2015-2016 academic year due to redesign of undergraduate core. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**MGT 402 International Business Strategy (3)**
*(RE) Prerequisite(s): Business Administration 353.*
*Formerly: (RE) Prerequisite(s): Business Administration 353 and Business Law 301.*
*Rationale:* Management 402 will no longer be taught after 2016-2017 academic year due to redesign of undergraduate core. This prerequisite change will allow students who need course next year in order to graduate to complete it. There are no concerns of students not having sufficient content to be successful in this course due to change. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**MGT 435 Solving Complex Organizational Problems (3)**
*(RE) Prerequisite(s): 331 with a grade of C or better*
*Formerly: (RE) Prerequisite(s): 331 with grade of C or better and Business Administration 353 or 357.*
*Rationale:* Business Administration 353 will no longer be taught after the 2015-2016 academic year due to redesign of undergraduate core. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**Part II: PROGRAM CHANGES**

**REVISE TEXT**
(Main college page)

**Admission**

(Paragraph two) Students admitted into the Haslam College of Business must maintain a minimum 2.50 cumulative grade point average and earn a grade of C or better in the following progression courses or honors equivalents prior to the completion of 75 hours:

MATH 123*-MATH 125* or MATH 141*-MATH 142* (6 or 8 hours); Oral Communication (3 hours from CMST 210* or CMST 240*); Written Communication (3 hours from ENGL 255* or ENGL 295*); ACCT 200 (3 hours); ~~ECON 201* (4 hours)~~; ECON 211* (3 hours); ECON 213* (3 hours); STAT 201* (3 hours); MGT 201 (3 hours).

**Curriculum**

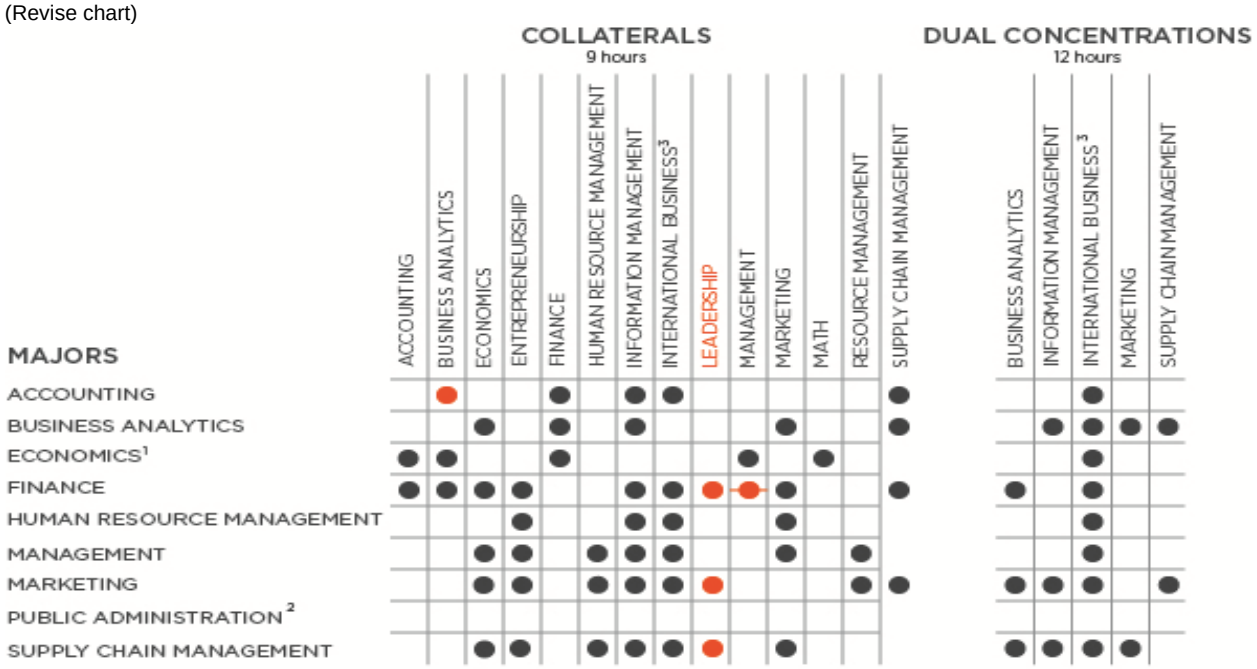
(Paragraph two and following) The 58 ~~59~~ hours of general education focus on all aspects of human endeavor – written and oral communications; mathematics; social, behavioral, and natural sciences; humanities; foreign language; ethics; and the arts. General education courses span the student's entire academic career.

The pre-business core courses (19 ~~15~~ hours) are taken during the student's first and second year. The pre-business core provides students with the fundamentals of business education, introducing the tools, the environment, and the functions of contemporary business practices.

Building on the pre-business core foundation, the business core (19 ~~22~~ hours) consists of integrated contemporary business management modules in supply chain management, demand management, lean operations, information management, and integrated process management; discipline-specific courses in financial management and business strategy; and course work on global and legal issues. As business management perspectives change, the topics in the business core will, by design, adapt.

Simultaneously, students are completing the course work (24 or 27 hours, depending on major) required by their chosen major. The Haslam College of Business offers nine majors – accounting, business analytics, economics, finance, human resource management, management, marketing, public administration, and supply chain management. Within the 24 or 27 hours of their major, students may study two areas of emphasis – their major with a collateral or their major with a dual concentration. With a collateral, students complete 15 hours in their major and 9 hours in their collateral area (with the exception of economics and business analytics majors, who complete 18 hours in their major and 6 hours in their collateral area). With a dual concentration, students complete 12 hours in each area of emphasis. See the chart in this section for details of the collateral and dual concentration options for each major. A minimum grade of C must be earned in every course counted toward the major, including major, collateral, or dual concentration courses.

(Revise chart)




[1] In addition to its collateral options, economics also offers areas of focus in environmental economics, health economics, industrial organization, international economics, labor economics, money/macroeconomics, public economics, quantitative economics, and regional/urban economics.

[2] Interested public administration majors may design their own area of focus by strategically selecting electives from upper-level offerings in economics and political science.

[3] Students pursuing international business are required to have an international educational experience.

**REVISE REQUIREMENTS**

**Requirements for the Business Administration Exploratory Major**

| | | |
|---|---|---|
| **Term 3** | | |
| [7]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |

| | | |
|---|---|---|
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |

*Rationale:* Correct copy/paste error regarding footnote notation. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**DEPARTMENT OF ACCOUNTING AND INFORMATION MANAGEMENT**

**Requirements for the Bachelor of Science in Business Administration – Accounting Major – Collateral Option**

| **Term 4** | | |
|---|---|---|
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |

[7] Students admitted to Global Leadership Scholars will complete the honors versions of these courses: ACCT 207, BUAD 337, BUAD 338, BUAD 457 ~~BUAD 357, ECON 207*,~~ FINC 307, MGT 207, ~~MGT 407~~, and STAT 207*.

*Rationale:* Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration – Accounting Major – Dual Concentration with International Business**

| **Term 3** | | |
|---|---|---|
| [5] ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| ~~[6]~~ [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |

[5] Students admitted to Global Leadership Scholars will complete the honors versions of these courses: ACCT 207, BUAD 337, BUAD 338, BUAD 457 ~~BUAD 357, ECON 207*,~~ FINC 307, MGT 207, ~~MGT 407~~, and STAT 207*.

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**DEPARTMENT OF ECONOMICS**

**Requirements for the Bachelor of Science in Business Administration – Economics Major – Collateral Option**

| **Term 3** | | |
|---|---|---|
| ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or |

| | | |
|---|---|---|
| | | ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |

*Rationale:* Correct copy/paste error regarding footnote notation. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration – Economics Major – Dual Concentration with International Business**

| | | |
|---|---|---|
| **Term 3** | | |
| [5] ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [6] ~~[5]~~Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |

[5] Students admitted to Global Leadership Scholars will complete the honors versions of these courses – ACCT 207, ~~ECON 207*,~~ MGT 207, STAT 207*, FINC 307, BUAD 337, BUAD 338, and BUAD 457 ~~BUAD 357, and MGT 407~~.

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration – Economics Major – Traditional Option**

| | | |
|---|---|---|
| **Term 3** | | |
| ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**DEPARTMENT OF FINANCE**

**Requirements for the Bachelor of Science in Business Administration – Finance Major – Collateral Option**

| | | |
|---|---|---|
| **Term 3** | | |
| ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |

| | | |
|---|---|---|
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 7** | | |
| BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252* | 3 | No milestones |
| BULW 301 | 2 | |
| Collateral | 3 | |
| [6]Finance Electives | 3 | |
| BUAD 453 | 4 | |

*Rationale:* Correct copy/paste error regarding footnote notation and to correct notation for milestone that was removed. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration – Finance Major – Dual Concentration with Business Analytics**

| | | |
|---|---|---|
| **Term 3** | | |
| [7]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration – Finance Major – Dual Concentration with International Business**

| | | |
|---|---|---|
| **Term 3** | | |
| [5] [7]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [6] [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*- |

| | | |
|---|---|---|
| | | MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 7** | | |
| BULW 301 | 2 | No milestones |
| [7]Finance Elective | 3 | |
| [8]International Business coursework | 3 | |
| [6]Unrestricted Elective | 3 | |
| [5]BUAD 453 | 4 | |

[5] Students admitted to Global Leadership Scholars will complete the honors versions of these courses – ACCT 207~~, ECON 207*,~~ MGT 207, STAT 207*, FINC 307, BUAD 337, BUAD 338, and BUAD 457. ~~BUAD 357, and MGT 407~~.

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**DEPARTMENT OF MANAGEMENT**

**Requirements for the Bachelor of Science in Business Administration – Human Resource Management Major – Collateral Option**

| | | |
|---|---|---|
| **Term 3** | | |
| [6] ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | ~~*~~ 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 7** | | |
| BULW 301 | 2 | HRM 360 |
| Collateral | 3 | |
| HRM 480 | 3 | |
| [5]Unrestricted Elective | 3 | |
| [6]BUAD 453 | 4 | |

[6] Students admitted to Global Leadership Scholars will complete the honors versions of these courses: ACCT 207, BUAD 337, BUAD 338, BUAD 457, ~~BUAD 357, ECON 207*,~~ FINC 307, MGT 207, ~~MGT 407,~~ and STAT 207*.

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration – Human Resource Management Major – Dual Concentration with International Business**

| | | |
|---|---|---|
| **Term 3** | | |
| [5] ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [6] ~~[5]~~Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |

| | | |
|---|---|---|
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 7** | | |
| HRM 480 | 3 | HRM 360 |
| [7]International Business coursework | 3 | |
| [6]Unrestricted Elective | 5 | |
| [5]BUAD 453 | 4 | |

[5] Students admitted to Global Leadership Scholars will complete the honors versions of these courses – ACCT 207, ~~ECON 207*,~~ MGT 207, STAT 207*, FINC 307, BUAD 337, BUAD 338, and BUAD 457.~~BUAD 357, and MGT 407~~.

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration –Management Major – Collateral Option**

| | | |
|---|---|---|
| **Term 3** | | |
| [6] ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 7** | | |
| BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252* | 3 | No milestones |
| BULW 301 | 2 | |
| Collateral | 3 | |
| [5]Unrestricted Elective | 3 | |
| [6]BUAD 453 | 4 | |

[6] Students admitted to Global Leadership Scholars will complete the honors versions of these courses: ACCT 207, BUAD 337, BUAD 338, BUAD 457, ~~BUAD 357, ECON 207*,~~ FINC 307, MGT 207, ~~MGT 407~~, and STAT 207*.

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration –Management Major – Dual Concentration with International Business**

| | | |
|---|---|---|
| **Term 3** | | |
| [5] ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [6] ~~[5]~~Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |

| | | |
|---|---|---|
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 7** | | |
| BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252* | 3 | No milestones |
| BULW 301 | 2 | |
| [7]International Business coursework | 3 | |
| [6]Unrestricted Elective | 3 | |
| [~~5~~]BUAD 453 | 4 | |

[5] Students admitted to Global Leadership Scholars will complete the honors versions of these courses – ACCT 207, BUAD 337, BUAD 338, BUAD 457, ~~BUAD 357, ECON 207*,~~ FINC 307, MGT 207~~, MGT 407~~, and STAT 207*.

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**DEPARTMENT OF MARKETING AND SUPPLY CHAIN MANAGEMENT**

**Requirements for the Bachelor of Science in Business Administration – Marketing Major – Collateral Option**

| | | |
|---|---|---|
| **Term 3** | | |
| [6] [~~7~~]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 7** | | |
| BULW 301 | 2 | MARK 350, MARK 360 |
| Two of: MARK 462 or MARK 464 or MARK 466 or MARK 468 or MARK 469 | 6 | |
| [5]Unrestricted Elective | 3 | |
| [~~6~~]BUAD 453 | 4 | |

[6] Students admitted to Global Leadership Scholars will complete the honors versions of these courses: ACCT 207, BUAD 337, BUAD 338, BUAD 457, ~~BUAD 357, ECON 207*,~~ FINC 307, MGT 207, ~~MGT 407~~, and STAT 207*.

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration – Marketing Major – Dual Concentration with Business Analytics**

| | | |
|---|---|---|
| **Term 3** | | |
| [~~7~~]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |

| | | |
|---|---|---|
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration – Marketing Major – Dual Concentration with Information Management**

| | | |
|---|---|---|
| **Term 3** | | |
| ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration – Marketing Major – Dual Concentration with International Business**

| | | |
|---|---|---|
| **Term 3** | | |
| ~~[5]~~ ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| ~~[6]~~ ~~[5]~~Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 7** | | |
| BULW 301 | 2 | No milestones |
| [7]International Business coursework | 3 | |

| | | |
|---|---|---|
| MARK 462 or MARK 464 or MARK 466 or MARK 468 or MARK 469 | 3 | |
| [6]Unrestricted Elective | 3 | |
| [5]BUAD 453 | 4 | |

[5] Students admitted to Global Leadership Scholars will complete the honors versions of these courses: ACCT 207, BUAD 337, BUAD 338, BUAD 457, ~~BUAD 357, ECON 207*,~~ FINC 307, MGT 207, ~~MGT 407~~, and STAT 207*.

*Rationale:* Correct copy/paste error regarding footnote notation. Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration – Public Administration Major**

| | | |
|---|---|---|
| **Term 2** | | |
| [1,2]ENGL 102* | 3 | 2.5 cumulative GPA |
| [3]Intermediate Foreign Language* | 3 | |
| [4]MATH 125*, MATH 142* or MATH 148* | 3-4 | |
| [3]Natural Sciences Electives* | 3-4 | |
| ECON 211* or ECON 217* | 3 | |
| **Term 3** | | |
| ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or ECON 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |

*Rationale:* Reflects previously approved changes to business core. Better reflects courses that students need to have completed by end of term 4 in order to graduate on time. *Financial Impact:* None. *Impact on Other Academic Units:* None.

**COLLEGE OF COMMUNICATION AND INFORMATION**
**All changes effective fall 2016**

**SCHOOL OF ADVERTISING AND PUBLIC RELATIONS**
**(ADVT) Advertising**

**REMOVE CROSS LIST**

† **ADVT 310 Advertising and Public Relations Design (3)**
~~*(Same as Public Relations 310.)*~~

*Rationale:* Currently, ADV 310 and PBRL 310 have the same titles, "Advertising and Public Relations Design," and are cross-listed, but there are separate sections for each major. This has resulted in confusion, with students being in the wrong major sections. *Support from assessment activities:* Minor change; none needed. *Impact on Other Units:* None. *Financial Impact:* None.

† **ADV 340 Advertising and Public Relations Research Methods (3)**
~~*(Same as Public Relations 340.)*~~

*Rationale:* Currently, ADV 340 and PBRL 340 have the same titles, "Advertising and Public Relations Research," and are cross-listed, but there are separate sections for each major. This has resulted in confusion, with students being in the wrong major sections. Removing the cross-listing would clear up this problem. *Support from assessment activities:* Minor change; none needed. *Impact on Other Units: None.* Financial Impact: None.

**REVISE TITLE, ADD (DE) PREREQUISITE(S)**

**ADVT 492 Advertising Internship (1)**
*(DE) Prerequisites: 340 and Junior/Senior Standing.*

*Formerly: ADVT 492 Advertising Practicum (1) (No prerequisites)*
*Rationale:* This course title change will better correspond with other course catalog copy and more accurately represent the nature of the class. Students are advised to do "internships" for course credit, but the outdated term "practicum" is in the course catalog. This change would clarify the nature of the course. *Support from assessment activities:* Minor change; none needed. *Impact on Other Units:* None. *Financial Impact:* None.
*Rationale:* Students should have some course content/skills to offer employers. Further, the public relations major in the school has a course prereq (PBRL 320) and requires junior or senior standing. *Support from assessment activity:* Assessments show that our students need this experience. The change positions them at a more ideal time in their educations to get the experience. *Impact on Other Units:* None. *Financial Impact:* None.

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Communication, Advertising Major**

| | | |
|---|---|---|
| **Term 4** | | |
| ACCT 200 or ACCT 207 | 3 | ADVT 250 |
| College or General Elective [1]~~Arts and Sciences Elective~~ | 3 | ~~STAT 201* or STAT 207*~~ |
| [4]English Literature Elective* | 3 | 2.5 cumulative GPA in the following courses: ADVT 250 or PBRL 270; ANTH 130* or ANTH 137*; CCI 150; ENGL 102*; MATH 125* or MATH 141* or MATH 147*~~; STAT 201* or STAT 207*~~ |
| [5]History Sequence* | 3 | |
| PBRL 270 | 3 | |
| **Term 5** | | |
| [6]ADVT 310. ADVT 340 | 6 | ADVT 310, ADVT 340 |
| CMST 240* or CMST 247* | 3 | STAT 201* or STAT 207* |
| MGT 201 | 3 | |
| PSYC 10* or PSYC 117* | 3 | |
| **Term 6** | | |
| [6]ADVT 350, ADVT 360, ADVT 380 | 7 | No milestones |
| College or General Elective [1]~~Arts and Sciences Elective~~ | 3 | |
| MARK 300 | 3 | |
| MGT 300 | 3 | |
| **Term 7** | | |
| [6]ADVT 450, ADVT 480 | 6 | No milestones |
| College or General Elective [1]~~Arts and Sciences Elective~~ | 3 | |
| PSYC 360 | 3 | |
| [7]General Elective | 3 | |
| **Term 8** | | |
| [6]ADVT 470 | 3 | No milestones |
| College or General Elective [1]~~Arts and Sciences Elective~~ | 3 | |
| [8]College Elective | 3 | |
| [7]General Elective | 1-2 | |
| [8]Any course from advertising, communication studies, information sciences, journalism and electronic media, or public relations that is not currently required. ~~One course (3) from advertising, communication studies, information sciences, journalism and electronic media, or public relations.~~ | | |

*Rationale:* STAT 201 will be deleted from Term 4 as a milestone and moved to Term 5 as a milestone. STAT 201 will be deleted from the Term 4 2.5 GPA calculation. *Support from assessment activity:* The advising office reports STAT 201 is a major deterrent for students coming into the program as it typically adds an additional semester to their programs of study. *Impact on Other Units:* None. *Financial Impact:* None.
*Rationale:* Our accrediting body, ACEJMC, no longer specifies the number of Arts and Sciences hours that a student must have; rather, it states that students must meet the general education requirements of their university and have a minimum of 72 hours of coursework outside of the ACEJMC accredited areas (journalism and mass communication). The present advertising major curriculum meets UT's general education requirements and exceeds the minimum hour requirement without the need to limit these particular elective hours to Arts & Sciences courses. Therefore, changing the elective designation in the above terms from "Arts & Sciences Elective" to "College or General Elective" will give students more flexibility in choosing courses appropriate for their individual goals. *Support from assessment activities:* Minor change; none needed. *Impact on Other Units:* None. *Financial Impact:* None.

**(PBRL) Public Relations**

**REMOVE CROSS LIST, ADD COURSE DESCRIPTION**

**PBRL 310 Advertising and Public Relations Design (3)**

Study, use, and application of design, color, type, and layout styles as they affect concept development in the creation of promotional materials. Analysis of organizational goals and how they mold strategic and conceptual development. Application of relevant computer software for creation of promotional material. ~~(See Advertising 310.)~~
*(RE) Prerequisite(s): 250 or Public Relations 270.*
*Registration Restriction(s): Advertising or public relations major.*

*Rationale:* Currently, ADV 310 and PBRL 310 have the same titles, "Advertising and Public Relations Design," and are cross-listed, but there are separate sections for each major. This has resulted in confusion, with students being in the wrong major sections. *Support from assessment activities:* Minor change; none needed. *Impact on Other Units:* None. *Financial Impact:* None.

**PBRL 340 Advertising and Public Relations Research (3)**
Secondary data and primary research techniques for advertising and public relations decisions. ~~(See Advertising 340.)~~
*RE) Prerequisite(s): 250 or Public Relations 270 and Statistics 201 or 207.*
*Registration Restriction(s): Advertising or public relations major.*

*Rationale:* Currently, ADV 340 and PBRL 340 have the same titles, "Advertising and Public Relations Research," and are cross-listed, but there are separate sections for each major. This has resulted in confusion, with students being in the wrong major sections. Removing the cross-listing would clear up this problem. *Support from assessment activities:* Minor change; none needed. *Impact on Other Units:* None. *Financial Impact:* None.

**REVISE DESCRIPTION**

**PBRL 420 Advanced Public Relations Writing (3)**
Advanced mechanics of effective writing for various media to achieve organizational goals and produce professional-quality public relations materials. Advanced understanding of governing communication and persuasion theories. Focus on implementation of research-based, planned, strategic, and managed techniques in a lab setting.
*Comments: Students will receive credit for the course with a D, but they must have a C or better to use it toward major requirements.*

> *Formerly: Advanced Public Relations Writing (3) Advanced mechanics of effective writing for various media to achieve organizational goals and produce professional-quality public relations materials. Advanced understanding of governing communication and persuasion theories. Focus on implementation of research-based, planned, strategic, and managed techniques in a lab setting.*

*Rationale:* All other major classes in the PBRL sequence require a grade of C or better to receive credit, so this gives important consistency. *Support from assessment activities:* Minor change; none needed. *Impact on Other Units:* None. *Financial Impact:* None

**REVISE TITLE**

**PBRL 492 Public Relations Internship (1-2)**
*Formerly: PBRL 492 Field Experience (1-2)*
*Rationale:* This course title change will better correspond with other course catalog copy and more accurately represent the nature of the class. Students are advised to do "internships" for course credit, but the outdated term "practicum" is in the course catalog. This change would clarify the nature of the course. *Support from assessment activities:* Minor change; none needed. *Impact on Other Units:* None. *Financial Impact:* None.

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Communication, Public Relations Major**

| | | |
|---|---|---|
| **Term 4** | | |
| ACCT 200 or ACCT 207 | 3 | PBRL 270~~, STAT 201* or STAT 207*~~ |
| ADVT 250 | 3 | 2.5 cumulative GPA in the following courses: ADVT 250 or PBRL 270; ANTH 130* or ANTH 137*; CCI 150; ENGL 102*; MATH 125* or MATH 141* or MATH 147*~~; STAT 201* or STAT 207*~~ |
| [4]English Literature Elective* | 3 | |
| [5]History Sequence* | 3 | |
| JREM 200* | 3 | |
| **Term 5** | | |
| CMST 240* or CMST 247* | 3 | JREM 200* |
| MGT 201 | 3 | STAT 201* or STAT 207* |
| [6]PBRL 310, PBRL 340 | 6 | |
| PSYC 110* or PSYC 117* | 3 | |
| **Term 6** | | |
| College or General Elective [1]~~Arts and Sciences Electives~~ | 3 ~~6~~ | No milestones |
| College or General Elective | 3 | |
| MARK 300 | 3 | |
| [6]PBRL 320, PBRL 370, PBRL 380 | 7 | |
| **Term 8** | | |

| | | |
|---|---|---|
| College or General Elective [1]~~Arts and Sciences Electives~~ | 3 ~~6~~ | No milestones |
| JREM 400 | 3 | |
| [8]General Elective | 4-5 ~~1-2~~ | |
| [8]Any course not taught in advertising, communication and information, journalism and electronic media, or public relations. ~~Chosen from any course not taught in advertising, journalism and electronic media, or public relations.~~ | | |

*Rationale:* STAT 201 will be deleted from Term 4 as a milestone and moved to Term 5 as a milestone. STAT 201 will be deleted from the Term 4 2.5 GPA calculations. *Support from assessment activity:* The advising office reports STAT 201 is a major deterrent for students coming into the program as it typically adds an additional semester to their programs of study. *Impact on Other Units:* None. *Financial Impact:* None.
*Rationale:* Our accrediting body, ACEJMC, no longer specifies the number of Arts and Sciences hours that a student must have; rather, it states that students must meet the general education requirements of their university and have a minimum of 72 hours of coursework outside of the ACEJMC accredited areas (journalism and mass communication). The present public relations major curriculum meets UT's general education requirements and exceeds the minimum hour requirement without the need to limit these particular elective hours to Arts & Sciences courses. Therefore, changing the elective designation in the above terms will give more students flexibility in choosing courses appropriate for their individual goals. Further, so many students complete the business minor, this will allow them to complete the minor without additional hours. *Support from assessment activities:* Minor change; none needed. *Impact on Other Units:* None. *Financial Impact:* None.

**COLLEGE OF EDUCATION, HEALTH, AND HUMAN SCIENCES**
**All changes effective fall 2016**

**I. COURSE CHANGES**

**DEPARTMENT OF CHILD AND FAMILY STUDIES**
**(CFS) Child and Family Studies**

**ADD REGISTRATION RESTRICTION**

**CFS 440 – Family Life and Parent Education (3).**
*Registration Restriction(s): CFS Majors Only*
*Formerly: No Registration Restriction.*
*Rationale:* This is a capstone class that requires extensive background knowledge in Human Development and Parenting. After we opened the course to non-CFS majors, it became apparent that the majority of students outside the CFS major lacked the necessary background in family processes and/or sufficient interest in family life education. Additionally, if other requested changes are approved, this will become a required course for all CFS – Community Outreach majors. Given that it is a demanding course for faculty (thus it is typically capped at 20 students), and we will be teaching more of our own majors, we do not have the resources to continue to also offer this CFS capstone course to non-majors. *Impact on other units:* Students in other majors will have to enroll in courses other than CFS 440 to fulfill the requirements for a CFS minor. There are many other options including CFS 240, CFS 320, CFS 345, CFS 360, CFS 385, CFS 497. Additionally, in the program changes section below we are requesting to add CFS 460 and CFS 481 to the list of options for the minor. *Financial Impact:* None (considering both the restriction to majors only reflected in this item and the planned expansion to all CFS-CO majors, reflected in an item below).
*Learning outcomes supported:* SLO #2 (Students will demonstrate an understanding of contemporary family processes and transitions in the context of marriage and parenting) will be enhanced because the instructor of 440 will be able to teach advanced material without having to spend course time teaching basic family theories and processes to non-majors. *Support from assessment activities:* Our "Test in the Major" results, designed to measure SLO 1 and 2, have been hovering just at or slightly below our goal levels. We anticipate this change will improve SLO #2 and that change will be reflected in improved assessment scores.

**REVISE TITLE AND REGISTRATION RESTRICTION, ADD COMMENT**

**CFS 480 - Practicum: Community Outreach (12)**
*Registration Restriction(s): Minimum student level – senior, cumulative GPA of 2.5;*
*Comment: Summer practicum placement begins the Monday after spring commencement and concludes the last day of the summer session. Minimum grade of C in all Child and Family Studies courses prior to enrolling.*
*Formerly: CFS 480 - Practicum: Community Placement (12)*
*Registration Restriction(s): Minimum student level – senior*
*Comment: Summer practicum placement begins the Monday after spring commencement and concludes the last day of the summer session.*
*Rationale:* The change from "Community Placement" to "Community Outreach" in the title is designed to better reflect the overall degree path (Child and Family Studies Major, BS in Health and Human Sciences – Community Outreach Track). The registration restriction and comment that we would like to add have previously been approved as a footnote in the program showcase. We want to include them with the course listings as added clarity for students. *Impact on other units:* None. *Financial Impact:* None.
*Learning outcomes supported:* N/A. *Support from assessment activities:* N/A.

**DEPARTMENT OF KINESIOLOGY, RECREATION, AND SPORT STUDIES**
**(RSM) RECREATION & SPORT MANAGEMENT**

**REVISE GRADING RESTRICTION**

**RSM 290 Practicum I (3)**
*Grading Restriction: A, B, C, or NC.*
*Formerly: Satisfactory/No Credit grading only*
*Rationale:* Currently students receive an "S" if they turn in all documents, acquire enough hours, and an evaluation is completed by their site supervisor. However, the time it takes to submit documents, the attention to detail, and the effort put into completing this paperwork varies from one student to another. Additionally, some students go above and beyond the call of duty while others simply do enough to get by in the course. In these cases, the high performing students deserve a better grade than some of their classmates. Students will also have the opportunity to receive a GPA boost by changing the grading scale to A-C/NC if they perform well in the course. *Impact:* None. *Financial Impact:* None.
*Learning outcomes supported:* Student Learner Outcomes 1 and 3.

**REVISE TITLE AND DESCRIPTION**

**RSM 325 Therapeutic Recreation Theories and Techniques (3)**
Emphasis on how therapeutic recreation specialists can use the application of theory and related theoretical perspectives in practice. Importance and role of recreation participation in the planning and delivery of therapeutic recreation service for individuals with disabilities. Foundational knowledge of using specific facilitation techniques, e.g. values clarification, etc., applicable to therapeutic recreation are addressed.
*Formerly: RSM 325 Therapeutic Recreation and Lifestyle Planning (3) Emphasis on how therapeutic recreation specialists can use the application of healthy lifestyle principles as a treatment modality. Importance and role of recreation participation in the planning and delivery of therapeutic recreation service for individuals with disabilities. Introduction to specific facilitation techniques, e.g. values clarification, etc., that may be applicable to therapeutic recreation.*
*Rationale:* There is a change in course content as a result of learner outcomes required for program accreditation and knowledge needed for professional certification. *Impact on other units:* None. *Financial impact:* None.
*Learning outcomes supported:* Student Learner Outcomes 1 and 3.

**REVISE GRADING RESTRICTIONS**

**RSM 390 Practicum II (3)**
*Grading Restriction: A, B, C, or NC.*
*Formerly: Satisfactory/No Credit grading only*
*Rationale:* Currently students receive an "S" if they turn in all documents, acquire enough hours, and an evaluation is completed by their site supervisor. However, the time it takes to submit documents, the attention to detail, and the effort put into completing this paperwork varies from one student to another. Additionally, some students go above and beyond the call of duty while others simply do enough to get by in the course. In these cases, the high performing students deserve a better grade than some of their classmates. Students will also have the opportunity to receive a GPA boost by changing the grading scale to A-C/NC if they perform well in the course. *Impact:* None. *Financial Impact:* None.
*Learning outcomes supported:* Student Learner Outcomes 1 and 3.

**ADD REPEATABILITY AND COMMENT**

**RSM 405 Therapeutic Recreation in Public Schools (3)**
*Repeatability: May be repeated. Maximum 6 hours*
*COMMENT: Students repeating course will serve in a leadership position.*
*Formerly: Not repeatable/No Comment*
*Rationale:* Students who are repeating RSM 405 for a second time serve in a leadership position with additional responsibilities and different learner outcomes related to leadership skills and mentoring peers in the Therapeutic Recreation process. *Impact on other units:* None. *Financial impact:* Eliminates needs for additional instructor support for RSM 406.
*Learning outcomes supported:* Student Learner Outcomes 1 and 3.

**DROP**

**RSM 406 Therapeutic Recreation in Public Schools II (3)**

*Rationale:* Dropping this course and making RSM 405 repeatable. *Impact on other units:* None. *Financial impact:* RSM 405 becomes repeatable so it eliminates the needs for additional instructor support.
*Learning outcomes supported:* Student Learner Outcomes 1 and 3.

**REVISE REGISTRATION RESTRICTION**

**RSM 430 Organization and Administration of Recreation Services (3)**
*Registration Restriction(s): Minimum of junior standing; Recreation and sport management major.*
*Formerly: Recreation and sport management major.*
*Rationale:* By the start of the junior year students in the therapeutic recreation and sport management concentration will have taken the necessary courses that cover foundational concepts and constructs that will enable them to be successful in the organization and administration course. The course learning objectives require a foundational knowledge of the recreation and sport industry. *Impact:* None. *Financial Impact:* None.
*Learning outcomes supported:* Student Learner Outcomes 1 and 3.

**REVISE GRADING RESTRICTIONS**

**RSM 490 Internship (6 or 12)**
*Grading Restriction: A, B, C, or NC.*
*Formerly: Satisfactory/No Credit grading only.*
*Rationale:* Currently students receive an "S" if they turn in all documents, acquire enough hours, and an evaluation is completed by their site supervisor. However, the time it takes to submit documents, the attention to detail, and the effort put into completing this paperwork varies from one student to another. Additionally, some students go above and beyond the call of duty while others simply do enough to get by in the course. In these cases, the high performing students deserve a better grade than some of their classmates. Students will also have the opportunity to receive a GPA boost by changing the grading scale to A-C/NC if they perform well in the course. *Impact:* None. *Financial Impact:* None.
*Learning outcomes supported:* Student Learner Outcomes 1 and 3.

**DEPARTMENT OF NUTRITION**
**(NUTR) NUTRITION**

**REVISE (RE) PREREQUISITE(S)**

**NUTR 311 Physiological Chemistry (4)**
*(RE) Prerequisite(s): Biology 160 or Biochemistry and Cellular and Molecular Biology 230, with a C or better; Chemistry 350, with a C- or better.*
*Formerly: (RE) Prerequisite(s): Biology 160 or Biochemistry and Cellular and Molecular Biology 230; Chemistry 350.*

**NUTR 313 Vitamins and Minerals (3)**
*(RE) Prerequisite(s): 311 or Biochemistry and Cellular and Molecular Biology 401, with a C or better; and Chemistry 350, with a C- or better.*
*Formerly: (RE) Prerequisite(s): 311 or Biochemistry and Cellular and Molecular Biology 401; and Chemistry 350.*

**NUTR 314 Energy Metabolism and Metabolic Integration (3)**
*(RE) Prerequisite(s): 311 or Biochemistry and Cellular and Molecular Biology 401, with a C or better; and Chemistry 350, with a C- or better.*
*Formerly: (RE) Prerequisite(s): 311 or Biochemistry and Cellular and Molecular Biology 401; and Chemistry 350.*

*Rationale:* Including the minimum acceptable grade that must be received in a prerequisite class further clarifies the expectations for students and protects them from moving forward in the curriculum before they are academically ready, while mirroring uTrack milestones and the graduation requirement for a minimum grade of "C" in all NUTR-prefix courses. *Impact on other units:* None. *Financial Impact:* None. This will not require any change in current faculty course loads.
*Learner Outcomes Supported:* These changes support all 4 SLOs. *Support from assessment activities:* The addition of uTrack milestones has provided important guidance to students. However, with the transition from progression standards to milestones, it has become apparent there was some loss of clarity regarding academic expectations necessary to professional success post-graduation, which is also important to maintenance of program accreditation. Assessment data show: Mean nutrition subscale score on the registration examination for dietitians (2009-13) of 16.78 (national average 16.22). Dietetic internship placement (2011-2015): 73.2%.

**REVISE COURSE DESCRIPTION, ADD COMMENT**

**NUTR 412 Food and Nutrition in the Community (3)**
Influence of health characteristics, geographic, social, economic, educational, and cultural factors on food and nutrition programming. Relationship of community food and nutrition problems to programs and services for families and communities with particular attention to disease prevention and public policy.
*Comment: NUTR 413 is a co-requisite for students in the Dietetics Concentration.*
*Formerly: Influence of health characteristics, geographic, social, economic, educational, and cultural factors on food and nutrition programming. Relationship of community food and nutrition problems to programs and services for families and communities with particular attention to disease prevention and public policy. Successful completion of 15 hours of service learning is required.*
*Comment: None*
*Rationale:* Removes service learning component. The requirement to work in the community setting (15 hours of service learning) has been a component of NUTR 412 for many years. However, with increasing enrollment in the major, and because NUTR 412 is a requirement for both the Basic Science and Dietetics concentrations, there has been an increasing burden of management of these community placements on both the community partners and the instructor of record. In addition, the amount of work expected in this course is more than the three hours credit received. The proposed addition of a 1-credit lab class (NUTR 413) Food and Nutrition in the Community Lab), which will be required for students in the Dietetics concentration and will be available as an optional elective for students in the Basic Science concentration, will allow for concentrating resources on those students with a strong interest in community nutrition and will reduce the burden on community partners. A revised course syllabus has been provided. *Impact on other units:* None. This course is for Nutrition majors only. *Financial impact:* None. This lab class will be taught as part of the regular faculty course load.
*This change will support SLO #3 and #4,* as the proposal to remove the service learning component of this class, and create a lab course specifically for application of skills via service learning, will increase the efficiency with which the instructor and community partners can focus on quality service learning projects. *Support from assessment activities:* With increasing enrollment in the Nutrition major has increased the burden on community partnerships who engage with the department to provide service learning

opportunities. Removing the requirement of participation for those students in the Basic Science concentration will provide for a better experience for our students and the community.

**REVISE (RE) PREREQUISITES**

**NUTR 415 Clinical Nutrition 1 (3)**
*(RE) Prerequisite(s): 313 and 314, with a C or better.*
*Formerly: (RE) Prerequisite(s): 313 and 314.*
*Rationale:* Faculty observations revealed that students who do not complete 313 or 314 with a C or better are unable to successfully complete NUTR 415. *Impact on other units:* None. This course is restricted to NUTR majors. *Financial impact:* None.
*Learning Outcomes supported:* This proposed change addresses SLO #3, as it provides additional exposure to concepts of assessments used in the Clinical Nutrition sequence. *Support from assessment activities:* Recent review by the program director (and course instructor) revealed gaps in concepts related to ability to assess dietary intake in clinical case scenarios.

**REVISE (RE) PREREQUISITES, DROP (RE) COREQUISITES**

**NUTR 422 Nutrition Counseling (2)**
*(RE) Prerequisites: NUTR 421, NUTR 415, and Psychology 110.*
*Formerly: (RE) Prerequisites: None.*
***(RE) Corequisite(s): 415 and Psychology 110.***
*Rationale:* We are proposing to move NUTR 422 from the fall semester (term 7) to spring semester (term 8), placing it after NUTR 415 (Clinical Nutrition I) in sequence. Thus, NUTR 415 will become a pre- rather than co-requisite. As mastery of comprehensive nutrition assessment and evidence-based nutritional interventions for prevention/management of chronic disease (NUTR 415) prepares students for success in nutrition counseling, resequencing is expected to elevate the level of performance in nutrition counseling (NUTR 422). The new proposed course (NUTR 421) focuses on skills of diet and physical activity assessment, which also provides key background for effective nutrition counseling, so NUTR 421 is proposed as a prerequisite. PSYC 110 is listed as a term 5 milestone and, therefore, should have been completed by the end of the junior year and is therefore, proposed to be a prerequisite rather than a co-requisite. *Impact on other units:* None. This course is restricted to NUTR majors. *Financial impact:* None. This class will continue to be taught as part of the regular faculty course load.
*Learning Outcomes supported:* This change supports SLO #3 and #4, as the proposed resequencing of this course will allow students to be better prepared for developing skills in effective nutrition counseling. *Support from assessment activities:* Recent review by the course instructor and the program director revealed areas of redundancy and issues with timing of introduction of concepts in the NUTR 423/422 course sequence.

**DROP**

**NUTR 423 Nutrition Counseling Application (1)**

*Rationale:* The NUTR 422 (Nutrition Counseling)/423 (Nutrition Counseling Application) sequence has focused on nutrition counseling. However, some redundancy exists, such that streamlining content by dropping NUTR 423 (a 1-credit course) is not expected to affect counseling skill development. This will also create space for a newly proposed 1-credit course (NUTR 421 Diet and Physical Activity Assessment), to be offered in term 7 (fall). *Impact on other units:* None. This course was for Nutrition majors only. *Financial impact:* None.
*Learner Outcomes supported:* This change supports SLO #3 and #4, as the proposed replacement course will form a stronger basis for development of skills in effective nutrition counseling in NUTR 422 and to clinical application in the Clinical Nutrition course sequence (NUTR 415-NUTR 416). *Support from assessment activities:* Recent review by the course instructor and the program director revealed areas of redundancy in this course sequence, as well as the need for developing specific concepts prior to enrollment in NUTR 422.

**DEPARTMENT OF RETAIL, HOSPITALITY, AND TOURISM MANAGEMENT**
**(HRT) Hotel, Restaurant, and Tourism Management**

**DROP**

**HRT 330 Working with Diversity in the Service Industry (3)**

*Rationale:* After discussion between the faculty, it became apparent a great deal of diversity topics and information are already taught throughout the program. HRT is by nature, a very diverse industry, and this course duplicates what is already being taught.
*Impact on Other Units:* No impact on other units. This course is an HRT elective course. *Financial Impact:* No impact on other academic units.
*Learning Outcomes Supported:* None. *Assessment Activities:* None.

**DEPARTMENT OF THEORY AND PRACTICE IN TEACHER EDUCATION (Undergraduate)**
**(EDDE) EDUCATION OF THE DEAF AND HARD OF HEARING**

**DROP REGISTRATION RESTRICTION**

**EDDE 310 Practicum with the Deaf and Hard of Hearing (3)**
*Formerly: Registration Restriction: Admission to teacher education*

*Rationale:* We are removing the registration restriction because several students take this course during their sophomore or early junior years, before formal admission to teacher education. *Impact on other units:* No impact. *Course format and location:* no change. *Financial Impact:* No impact. Course is already being offered by current faculty.
*Learner outcomes supported by this change:* no outcomes are affected by this change. *Support for this change from assessment activities:* Advisors have written several petitions for students who enrolled in this course before admission to teacher education.

**REVISE COURSE TITLE, DESCRIPTION, CREDIT HOURS, AND REGISTRATION RESTRICTION**

**EDDE 419 Speech Development and Aural Habilitation/Rehabilitation of the Deaf and Hard of Hearing (3)**
Introduction to speech development, perception and production of speech, fundamental aspects of auditory anatomy and physiology, amplification, and aural habilitation/rehabilitation.
*Registration Restriction(s): Admission to teacher education or Audiology and Speech Pathology*
*Formerly: EDDE 419 Speech Development of the Deaf and Hard of Hearing (4) Theories of speech development approaches in training perception and production of speech, and aural habilitation. Practicum experience. Registration Restriction: None.*
*Rationale:* The course has a speech and audiology focus. The new title and description better reflect the content. We are no longer requiring a practicum with this class so we are reducing credit hours. We added the registration restriction to this class because we just removed it from EDDE 310 which occurs very early in the program. This way at least one of the major courses is restricted to those not admitted to teacher education. *Impact on other units:* None. *Course format and location:* No change. *Financial impact:* None.
*Learner outcomes supported by this change:* No outcomes are affected by this change. *Support for this change from assessment activities:* Instructors note a speech and audiology focus embedded in the course.

**(EI) Educational Interpreting**

**ADD (RE) PREREQUISITE(S)**

**EI 355 Sign to Voice Interpretation (3)**
*(RE) Prerequisites(s): EI 335, EI 350, ASL 211*
*Formerly: No prerequisites*
*Rationale:* EI 355 is the highest level interpreting course we offer, and the prerequisites reflect the developmental sequencing of courses. *Impact on other units:* None. *Course format and location:* No change. *Financial Impact:* None.
*Learner outcomes supported by this change:* No learner outcomes are affected by this change. *Support for this change from assessment activities:* Instructor observations that students are taking the course earlier in their programs than recommended and are not developmentally ready for the course content.

**COLLEGE OF ENGINEERING**
**All changes effective fall 2016**

**I. COURSE CHANGES**

**DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING**
**(CBE) Chemical and Biomolecular Engineering**

**REVISE DESCRIPTION**

**CBE 455 Elements of Synthetic Biology and Metabolic Engineering (3)** Cross-disciplinary course, an upper level continuation of 350, focuses on biocatalyst development for industrial biotechnology. The course covers synergistic approaches of synthetic biology and metabolic engineering to design complex cellular metabolisms to solve challenging problems related to health, energy, and environment with integration of state-of-the-art computational and experimental techniques.
*Formerly: Cross-disciplinary course combining synergistic approaches of synthetic biology and metabolic engineering to design complex cellular metabolisms to solve challenging problems related to health, energy, and environment with integration of state-of-the-art computational and experimental techniques.*
*Rationale:* Better and updated description. *Impact on other units:* None. *Financial impact:* None.

**CBE 475 Applied Microbiology and Bioengineering (3)** Course at the interface of chemical engineering, biomolecular engineering, environmental engineering, microbiology, and biochemistry, highlighting the use of microbial and molecular bioprocesses at industrial scale. Topics include analysis of enzymatic reactions, biodegradation/wastewater treatment, analysis of basic bioreactor systems, biosensors, and biomolecular immobilization methods.
*Formerly: Cross-disciplinary course combining basic concepts in microbiology, biochemistry, reaction kinetics, and biochemical and environmental engineering. Commercial processes, biodegradation/wastewater treatment, analysis of basic bioreactor systems, biosensors, and immobilization methods.*
*Rationale:* Better and updated description. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING**
**(CE) Civil Engineering**

**REVISE DESCRIPTION**

**CE 494 Water Resources Engineering II (3)** Advanced topics in water resources engineering with an emphasis on system analysis, modeling, and design. Topics include: water supply and distribution, sanitary sewers, pump stations, hydrologic reservoir/stream flow routing, probability and risk/uncertainty analysis for flood control, and hydropower generation.

*Formerly: Advanced topics in water resources engineering with an emphasis on system analysis and design. Topics include: water distribution and pump analysis, hydropower generation, computer modeling for rainfall-runoff analysis and reservoir/stream flow routing, probability and risk/uncertainty analysis for design, flood control, and stormwater controls and drainage design.*

*Rationale:* We propose to add two undergraduate and graduate courses to water resources engineering curriculum. At the undergraduate-level, the change is per student course (SAIS) evaluations for CE391, in which during the curriculum change combined two previously required courses, CE390 Hydraulics and CE485 Hydrology into one course CE391 Water Resources Engineering I. SAIS written forms per instructor documents that the current material in CE391 is too much for a 3 hr course, so with the new CE 495 and the existing CE 494 (Water Resources Engineering II) modified course materials, the two courses will contain the necessary engineering material for an ABET accredited program. The proposed changes are necessary to address current student needs, offer more technical courses for undergraduate/graduate students, and align courses with faculty areas of expertise and interest. *Impact on other units:* No negative impact. Some of the proposed courses might be of interest for graduate students from other colleges. *Financial impact:* No additional human resources (faculty members) are needed to cover teaching the proposed courses.

**DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE**
**(COSC) Computer Science**

**REVISE CREDIT HOURS AND REPEATABILITY**

**COSC 493 Independent Study (1-3)**

*Formerly: 1-15 Credit hours.*

*Rationale:* The reduction to 1-3 credit hours per semester is to ensure Independent Study is used in a supporting role in the course load of an undergraduate student. *Impact on other units:* None. *Financial impact:* None.

**(ECE) Electrical and Computer**

**REVISE DESCRIPTION**

**ECE 351 Digital Systems Design (3)** Introduction to techniques and strategies for designing digital systems using hardware description languages and industry-standard design tools. Topics include simulation and synthesis of high-level designs, finite state-machine design, digital memory systems, arithmetic circuit design, circuit delay estimation, timing and power analysis. Laboratory and project activities include the implementation of digital systems using field-programmable gate arrays (FPGAs).

*Formerly: Introduction to the use of hardware description languages and automated synthesis in digital systems design. Topics include: advanced design principles in VHDL, reconfigurable computing, simulation and synthesis for hardware description languages, design for meeting timing and area constraints, design for reuse, digital systems components and interfacing, digital system design applications.*

*Rationale:* The original course description in the online course catalog needs to be revised so that students can better understand the current syllabus and contents of the course, which has been significantly redesigned by Dr. Wei Gao and Dr. Garrett Rose in the past years. Also, we hope that this change can help increase the enrollment of this course by emphasizing the hands-on practicing included in this course, as well as its close connection with real-world applications. *Impact on other academic units:* None. *Financial impact:* The course may involve minor purchase of digital system components (e.g., sensor motes) to support students' course projects.

**REVISE TITLE AND DESCRIPTION**

**ECE 416 Digital Control Systems (3)** State representations of continuous and discrete systems, sampling, analog to digital conversion, effect of noise on system dynamics, filtering, and optimal control design.

*Formerly: Computer Control Systems (3) Computer-controlled systems using state variables and z-transform model representations with sampling theory and its effect of digital control design. Design of digital controllers in both the state space and frequency domains. Includes Level 1 design projects.*

*Rationale:* Deterministic linear systems will be considered in newly proposed course 411 offering the possibility of considering stochastic systems in this class. Students will have the opportunity of being exposed to probabilistic models. *Impact on other academic units:* None. *Financial impact:* None, course will be taught by the current faculty (Dr. Materassi and Dr. Djouadi).

**REVISE (RE) PREREQUISITE(S)**

**ECE 451 Computer Systems Architecture (3)**

*(RE) Prerequisite(s): 255.*

*Formerly: (RE) Prerequisite(s): 255 and Computer Science 160.*

**ECE 455 Embedded Systems Design (3)**

*(RE) Prerequisite(s): 255.*

*Formerly: (RE) Prerequisite(s): 255 and Computer Science 160.*

*Rationale:* In last year's curriculum change, Computer Science 160 was renumbered to Computer Science 130 and made a pre-requisite of 255. *Impact on other units:* None. *Financial impact:* None.

**ENGINEERING FUNDAMENTALS DIVISION**
**(EF) Engineering Fundamentals**

**REVISE REGISTRATION RESTRICTION(S)**

**EF 157 Honors: Physics for Engineers I (4)**
*Registration Restriction(s): Major in the College of Engineering or biosystems engineering; enrolled in Engineering Honors Program.*
*Formerly: Majors in the College of Engineering or biosystems engineering majors who are in the Chancellor's Honors or Haslam Scholars Program with a math ACT of 31 or higher.*
*Rationale:* Restricts course to students admitted to the College of Engineering Honors Program. *Impact on other units:* None. *Financial impact:* None.

**REVISE (RE) PREREQUISITE(S)**

**EF 230 Computer Solution of Engineering Problems (2)**
*(RE) Prerequisite(s): 152 or 158, or Physics 136, or Physics 138.*
*Formerly: (RE) Prerequisite(s): 152.*
*Rationale:* 158 is the honors equivalent of 152, and Physics 136 and Physics 138 are the equivalent courses as 152 and 158 for transfer students and students with AP Physics credit. We routinely give permission to students with these courses to take 230. *Impact on other units:* None. *Financial impact:* None.

**REVISE DESCRIPTION**

**EF 333 Co-op/Intern Experience in Engineering (1-3)** Technical report writing and/or presentation is required. Student must be officially registered with the Office of Professional Practice in order to register for this course. The credit earned from this course may be used as approved technical elective credit in several College of Engineering degree programs (consult Office of Professional Practice for details).
*Formerly: Technical report writing and/or presentation is required. Student must be officially registered with the Office of Professional Practice in order to register for this course.*
*Rationale:* This informs students of increasing engineering departmental participation and use of credit hours for technical elective. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF MECHANICAL, AEROSPACE, AND BIOMEDICAL ENGINEERING**
**(AE) Aerospace Engineering**

**REVISE (RE) PREREQUISITE(S) AND (RE) COREQUISITE(S)**

**AE 345 Aerospace Engineering Instrumentation and Measurement (3)**
*(RE) Prerequisite(s): 341.*
*(RE) Corequisite(s): Mechanical Engineering 363 and Electrical and Computer Engineering 301.*
*Formerly: (RE) Prerequisite(s): 341 and Electrical and Computer Engineering 301.*
*(RE) Corequisite(s): Mechanical Engineering 363.*
Rationale: The prerequisite is no longer necessary. Impact on other units: None. Financial impact: None

**(BME) Biomedical Engineering**

**REVISE (RE) PREREQUISITE(S) AND (RE) COREQUISITE(S)**

**BME 345 Biomedical Engineering Instrumentation and Measurement (3)**
*(RE) Prerequisite(s):* Aerospace Engineering *341.*
*(RE) Corequisite(s): 363 and Electrical and Computer Engineering 301.*
*Formerly: (RE) Prerequisite(s): Aerospace Engineering 341 and Electrical and Computer Engineering 301.*
*(RE) Corequisite(s): 363.*
*Rationale:* The prerequisite is no longer necessary. *Impact on other units:* None. *Financial impact:* None.

**(ME) Mechanical Engineering**

**REVISE (RE) PREREQUISITE(S) AND (RE) COREQUISITE(S)**

**ME 345 Mechanical Engineering Instrumentation and Measurement (3)**
*(RE) Prerequisite(s):* Aerospace Engineering *341.*
*(RE) Corequisite(s): 363 and Electrical and Computer Engineering 301.*
*Formerly: (RE) Prerequisite(s): Aerospace Engineering 341 and Electrical and Computer Engineering 301.*
*(RE) Corequisite(s): 363.*
*Rationale:* The prerequisite is no longer necessary. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF NUCLEAR ENGINEERING**
**(NE) Nuclear Engineering**

**REVISE (RE) PREREQUISITE(S) AND (DE) PREREQUISITE(S)**

**NE 342 Thermal Science (3)**
*(RE) Prerequisite(s): Mathematics 241 or 247.*
*Formerly: (DE) Prerequisite(s): 203 or Mechanical Engineering 331.*
*Rationale:* No prerequisites other than Mathematics are needed. *Impact on other units:* None. *Financial Impact:* None.

**NE 347 Honors: Thermal Science (3)**
*(RE) Prerequisite(s): Mathematics 241 or 247.*
*Formerly: (DE) Prerequisite(s): 203 or Mechanical Engineering 331.*
*Rationale:* No prerequisites other than Mathematics are needed. *Impact on other units:* None. *Financial Impact:* None.

**REVISE DESCRIPTION AND (RE) CO-REQUISITE(S)**

**NE 401 Radiological Engineering Laboratory (4)** Physics and electronics associated with radiation detection and measurement. Concepts covered include radiation interactions and signal formation in different detector types, radiation counting and spectroscopy, nuclear instrumentation, applications of radiation detection systems, and statistical methods of data analysis.
*(RE) Corequisite(s): Electrical and Computer Engineering 301, Mathematics 241 or 247.*
*Formerly: Radiation sources, detector types, radiation counting and spectroscopy, analog and digital electronics for detectors.*
*(RE) Corerequisite(s): NE 470*
*Rationale:* The catalog description is being changed to more adequately reflect the topics covered in the course. The corequisites are being modified to ensure students have the necessary circuits and mathematical background to be successful in this course. *Impact on other units:* None. *Financial Impact:* None.

**REVISE (DE) PREREQUISITE(S)**

**NE 402 Nuclear Engineering Laboratory (4)**
*(DE) Prerequisite(s): 401, 470.*
*Formerly: (DE) Prerequisite(s): 401.*
*Rationale:* The prerequisites are being modified to ensure students have the necessary reactor theory background to be successful in this course. *Impact on other units:* None. *Financial Impact:* None.

**REVISE DESCRIPTION AND (RE) PREREQUISITE(S)**

**NE 406 Radiation Shielding (3)** Types of radiation sources, fundamentals of gamma ray and neutron attenuation, biological effects, approximate methods of shield design, and use of modern analysis tools.
*(RE) Prerequisite(s): 233, Physics 232.*
*Formerly: Types of radiation sources, fundamentals of gamma ray and neutron attenuation, biological effects, approximate methods of shield design, discrete ordinates, and Monte Carlo.*
*(RE) Prerequisite(s): Physics 232.*
*Rationale:* The prerequisite of 233 is added and biological effects removed from the description to avoid duplication with 233. The use of computer analysis tools has been added to the course content, so is added to the description. *Impact on other units:* None. *Financial Impact:* None.

**REVISE DESCRIPTION AND ADD CREDIT RESTRICTION**

**NE 433 Principles of Health Physics (3)** Radiation quantities, limits and risk assessment, external and internal dosimetry, biological effects of radiation, radiation detection, radiation interactions and decay, applications. Graduate students taking the course will perform advanced calculations related to radiation protection and dosimetry in addition to the material described above.
*Credit Restriction: Students who have received credit for 233 may not receive credit for 433.*
*Formerly: Principles of Health Physics (3) Radiation quantities, limits and risk assessment, external and internal dosimetry, biological effects of radiation, radiation detection, radiation interactions and decay, applications.*
*Rationale:* Since students are allowed to take 433 for graduate credit, it is important to differentiate the course requirements when taking the course for graduate credit. In the future 433 will be used as a course for non-NE majors beginning graduate studies. The overlap of course material with 233 is too close to allow a student to receive credit for both courses. *Impact on other units:* None. *Financial Impact:* None.

**REVISE (RE) PREREQUISITE(S)**

**NE 472 Nuclear System Design II (3)**
*(RE) Prerequisite(s): 471.*
*Formerly: (RE) Prerequisite(s): 470 and 471.*
*Rationale:* Since 471 requires 470, the prerequisite of 470 is redundant. *Impact on other units:* None. *Financial Impact:* None.

**REVISE TO ADD (RE) PREREQUISITE(S)**

**NE 490 Radiation Biology (3)**
*(RE) Prerequisite(s): 233 or 433.*

*Formerly no prerequisites were listed.*
*Rationale:* The prerequisite of 233 is added because a knowledge of mechanisms of radiation energy transfer is needed to understand the source of the biological effects. *Impact on other units:* None. *Financial Impact:* None.

**COLLEGE OF NURSING**
**All changes effective fall 2016**
(None)

**COLLEGE OF SOCIAL WORK**
**All changes effective fall 2016**
(None)

**OTHER**

**COURSES NOT TAUGHT IN FOUR YEARS OR MORE**
**Changes Effective Fall 2016**

**DROP**

**College of Agricultural Sciences and Natural Resources**

**Forestry (FORS)**

**FORS 415 Forest Conservation Workshop (1-3)**
*Rationale:* Has not been taught in 6 years

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| FORS | 415 | None |

**Plant Sciences (PLSC)**

**PLSC 348 Landscape Plant Physiology (3)**
*Rationale:* Has not been taught in 5 years

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| PLSC | 348 | Animal Science Major – Animal Industries Concentration, Footnote 3 |
| | | Animal Science Major – Bioscience Concentration, Footnote 2 |
| | | Animal Science Major – Five-Year BS/MS Program, Footnote 2 |
| | | Animal Science Major – Pre-Veterinary Medicine Concentration, Footnote 2 |
| | | Plant Sciences Major – Bioenergy Concentration, Term 5 |
| | | Plant Sciences Major – Landscape Design Concentration, Term 5, Term 8 |
| | | Plant Sciences Major – Organic Production Concentration, Term 5, Term 6 |
| | | Plant Sciences Major – Turfgrass Science and Management Concentration, Term 7 |

**PLSC 475 Professional Issues in Bioenergy (3)**
*Rationale:* Has not been taught in 4 years - also in graduate catalog

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| PLSC | 475 | Plant Sciences Major – Bioenergy Concentration, Term 8 |

**Wildlife and Fisheries Science (WFS)**

**WFS 455 Fish Culture (3)**
*Rationale:* Has not been taught in 4 years

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| WFS | 455 | Wildlife and Fisheries Science Minor – Select 3 courses from the following |
| | | *Credit Restriction for Same* |

**College of Architecture and Design**

**Architecture (ARCH)**

**ARCH 417 The International Style (3)**
**ARCH 420 History of American Architecture (3)**
*Rationale:* Has not been taught in 10 years.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| ARCH | 417 | Art History Major – II. Major (30 hours), B. Select 12 additional hours |

| | | |
|---|---|---|
| ARCH | 420 | Art History Major – II. Major (30 hours), B. Select 12 additional hours |
| | | Architectural Studies Minor – Select 15 hours |
| | | Design Studies Minor – Select 12 hours |

**College of Arts and Sciences**

**Africana Studies (AFST)**

**AFST 381 History of South Africa (3)**

*Rationale:* Cross-listed with HIST 381, and neither has not been taught in 4 years. Most HIST courses are being dropped so this will drop also.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| AFST | 381 | Interdisciplinary Programs Major – Africana Studies Concentration, Select 3 hours |
| | | Interdisciplinary Programs Major – Africana Studies Concentration, Select 21 hours |
| | | Interdisciplinary Programs Minor – Select 9 hours |
| | | *Crosslist – HIST 381* |

**AFST 431 Research Seminar in Africana Studies (3)**

*Rationale:* Has not been taught in 7 years.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| AFST | 431 | Interdisciplinary Programs Major – Africana Studies Concentration, Select 3 hours |
| | | Interdisciplinary Programs Major – Africana Studies Concentration, Select 21 hours |
| | | Interdisciplinary Programs Minor – Select 9 hours |

**AFST 473 Black Male in American Society (3)**

*Rationale:* Has not been taught in 5 years - also in graduate catalog.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| AFST | 473 | Interdisciplinary Programs Major – Africana Studies Concentration, Select 3 hours |
| | | Interdisciplinary Programs Major – Africana Studies Concentration, Select 21 hours |
| | | Interdisciplinary Programs Minor – Select 9 hours |
| | | Interdisciplinary Programs Major – American Studies Concentration, Select 15 additional upper-division credit hours |

**Chinese (CHIN)**

**CHIN 311 Chinese Literature in English Translation (3)**

*Rationale:* Has not been taught in 9 years.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| CHIN | 311 | College of Arts and Sciences – Foreign Language, 4th bullet |
| | | Interdisciplinary Programs Major – Asian Studies Concentration, Select 6 hours (Subdivision A) |
| | | Interdisciplinary Programs Major – Asian Studies Concentration, I. China (30 hours), Select 12 remaining hours |
| | | Interdisciplinary Programs Major – Asian Studies Concentration, II. Islamic World (30 hours), Select 6 hours (other geographical – cultural area) |
| | | Interdisciplinary Programs Major – Asian Studies Concentration, II. Islamic World (30 hours), Select 12 remaining hours |
| | | Interdisciplinary Programs Major – Asian Studies Concentration, III. Japan (30 hours), Select 6 hours (other geographical – cultural area) |
| | | Interdisciplinary Programs Major – Asian Studies Concentration, III. Japan (30 hours), Select 12 remaining hours |
| | | Interdisciplinary Programs Major – Asian Studies Concentration, IV. South Asia (30 hours), Select 6 hours (other geographical – cultural area) |
| | | Interdisciplinary Programs Major – Asian Studies Concentration, IV. South Asia (30 hours), Select 12 remaining hours |
| | | Asian Studies Minor – I. China, Select 6 hours (Subdivision A) |
| | | Asian Studies Minor – III. Japan, Select 3 hours (other geographical – cultural area) |
| | | Asian Studies Minor – IV. South Asia, Select 3 hours (other geographical – cultural area) |
| | | Modern Foreign Languages and Literatures Major – Language and World Business/Chinese Concentration, I. Language Requirement: Chinese – 27 hours, B. Select 9 hours |
| | | Chinese Minor – Select 9 hours |

**Comparative Literature (COLI)**

**COLI 202 Cross-Cultural Perspectives in World Literature (3)**

*Rationale:* Has not been taught in 6 years, and we are dropping the Comparative Literature program.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| COLI | 202 | College of Arts and Sciences – Foreign Language, 4th bullet |
| | | Interdisciplinary Programs Major – Comparative Literature Concentration, Select 9 hours (300-level literature in a foreign language) |
| | | Interdisciplinary Programs Major – Comparative Literature Concentration (uTrack Requirements), Term 4; Milestone Notes Term 5 |
| | | Comparative Literature Minor – Complete |
| | | Interdisciplinary Programs Major – Global Studies Concentration, Track I – Global Society and Culture |
| | | Global Studies Minor – Track I – Global Society and Culture |
| | | Music Major – Music and Culture Concentration, III. Required Courses, Select one interdisciplinary elective |

**Geography (GEOG)**

**GEOG 421 Geography of Folk Societies (3)**

*Rationale:* Has not been taught in 4 years - also in graduate catalog

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| GEOG | 421 | Geography Major – Select one human geography course |
| | | Interdisciplinary Programs Major – Global Studies Concentration, Track I – Global Society and Culture |
| | | Interdisciplinary Programs Minor – Track I – Global Society and Culture |

**Italian (ITAL)**

**ITAL 403 Literature of the Rinascimento (3)**

*Rationale:* Has not been taught in 4 years - also in graduate catalog

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| ITAL | 403 | Interdisciplinary Programs Major – Medieval and Renaissance Studies Concentration, Select five upper-level elective courses from at least two departments |
| | | Medieval and Renaissance Studies Minor – Select three upper-level elective courses from at least two departments |
| | | Modern Foreign Languages and Literatures Major – Italian Concentration, Select 30 hours |
| | | Modern Foreign Languages and Literatures Major – Language and World Business/Italian Concentration, I. Language Requirement: Italian – 24 hours, B. Select 12 hours |

**Physics (PHYS)**

**PHYS 441 Contemporary Physics I (3)**

*Rationale:* Has not been taught in 9 years.

**PHYS 442 Contemporary Physics II (3)**

*Rationale:* Has not been taught in 8 years.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| PHYS | 441 | *Prerequisite for PHYS 442* |
| PHYS | 442 | None |

**PHYS 453 Team Research Project I (3)**

*Rationale:* Has not been taught in 5 years.

**PHYS 454 Team Research Project II (3)**

*Rationale:* Has not been taught in 4 years.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| PHYS | 453 | *Description for PHYS 454* |
| | | *Prerequisite for PHYS 454* |
| PHYS | 454 | None |

**Military Science and Leadership (MLSL)**

MLSL 200 Leader's Training Course (4)

*Rationale:* Has not been taught in 5 years.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| MLSL | 200 | Reserve Officers Training Corps (ROTC) – Department text, 7th, 10th, 11th paragraphs |
| | | Reserve Officers Training Corps (ROTC) – Department text, Requirements for Enrollment and Continuance, #2, point a. |

| | | |
|---|---|---|
| | | Reserve Officers Training Corps (ROTC) – Department text, Progression Requirements, #1 |
| | | *Prerequisite for MLSL 301* |

**KEEP**

**College of Agricultural Sciences and Natural Resources**

**Food Science and Technology (FDST)**

**FDST 419 Food Chemistry Lab (1)**

*Rationale:* Has not been taught in 7 years, but Department has added it to its requirements and has identified an existing faculty member to teach it next spring, Dr. Vermont Dia.

**FDST 490 Food Product Development (3)**

*Rationale:* KEEP-this is a new course, just added to the catalog for AY15-16. Dr. Francine Hollis is scheduled to teach the course this spring (Spring 2016) and students are enrolling in it. The course showed up on this list because the prior course with this number has not been taught in 7 years.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| FDST | 419 | Animal Science Major – Animal Industries Concentration, Footnote 3 |
| | | Animal Science Major – Bioscience Concentration, Footnote 2 |
| | | Animal Science Major – Five-Year BS/MS Program, Footnote 2 |
| | | Animal Science Major – Pre-Veterinary Medicine Concentration, Footnote 2 |
| | | Plant Sciences Major – Bioenergy Concentration, Specialty Areas, Chemistry |
| FDST | 490 | Food Science and Technology Major – Science Concentration, Term 8 |

**College of Arts and Sciences**

**Anthropology (ANTH)**

**ANTH 481 Museum Studies I: Museums, Purpose and Function (3)**

*Rationale:* Cross-listed with ART 481, but neither has been taught in 4 years - also in graduate catalog; but Art would like to keep this course. The person who taught the course is retiring soon and they want the course to be there for his successor to offer. When it was offered every year it was required for the major in Art History and this interest remains vital among the art historians.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| ANTH | 481 | *Crosslist – ART 481* |

**Art (ART)**

**ART 481 Museum Studies I: Museums, Purpose and Function (3)**

*Rationale:* Cross-listed with ANTH 481, but neither has been taught in 4 years - also in graduate catalog; but Art would like to keep this course. The person who taught the course is retiring soon and they want the course to be there for his successor to offer. When it was offered every year it was required for the major in Art History and this interest remains vital among the art historians.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| ART | 481 | Plant Sciences Major – Public Horticulture Concentration, Footnote 4 |
| | | *Crosslist – ANTH 481* |

**Chemistry (CHEM)**

**CHEM 405 Topics in the Development of Chemistry (3)**

*Rationale:* Has not been taught in 8 years, but Chemistry would like to keep for now. Their new revised curriculum will launch in Fall 2017 and at that time all UG courses in Chemistry will have been reviewed and revamped as needed. It is possible we will need Chem 405 next year.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| CHEM | 405 | None |

**Classics (CLAS)**

**CLAS 414 Cicero and Techniques of Latin Prose Composition (3)**

*Rationale:* Has not been taught in 4 years - also in graduate catalog; but this course is being offered next semester and students are signing up for it.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| CLAS | 414 | Classics Major, BA – Latin Concentration, Select 18 hours |
| | | Honors Latin Concentration – Select 18 hours |

| | | |
|---|---|---|
| | | Interdisciplinary Programs Major – Comparative Literature Concentration, Select 9 hours (300-level literature in a foreign language) |
| | | Interdisciplinary Programs Major – Comparative Literature Concentration, Select 12 hours (300-400 level literature) |
| | | Comparative Literature Minor – Select 6 hours (300-level literature in a foreign language) |
| | | Comparative Literature Minor – Select 6 hours (from different department) |

**English (ENGL)**

**ENGL 409 Shakespeare's Contemporaries II: Renaissance Poetry and Prose (3)**

*Rationale:* Has not been taught in 6 years - also in graduate catalog; but department wants to keep because it has not been taught recently due to a temporary staffing shortage caused by an unexpected retirement, two Humanities Center fellowships, and a faculty research leave within the department. It is scheduled to be offered in Fall 2016.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| ENGL | 409 | English Major – Creative Writing Concentration, Select one course from each area, Pre-1600 Literature |
| | | English Major – Literature Concentration, Select one course from each area, Pre-1600 Literature |
| | | English Major – Literature Concentration, Literature Concentration, Select one pre-1800 literature course |
| | | English Major – Literature Concentration, Literature Concentration, Select one additional literature course |
| | | English Major – Rhetoric and Writing Concentration, Select one course from each area, Pre-1600 Literature |
| | | English Major – Technical Communication Concentration, Select one course from each area, Pre-1600 Literature |
| | | Interdisciplinary Programs Major – Medieval and Renaissance Studies Concentration, Select five upper-level elective courses from at least two departments |
| | | Medieval and Renaissance Studies Minor – Select three upper-level elective courses from at least two departments |

**ENGL 472 American English (3)**

*Rationale:* Cross-listed with LING 472, but neither has been taught in 4 years. Department wants to keep because this course is being taught this semester and will be taught regularly by a new faculty member. It is a key class in the Linguistics IDP.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| ENGL | 472 | English Major – Creative Writing Concentration. Select one course from each area, Language, Theory, Folklore, Cultural, Ethnic, Gender, or Film Studies |
| | | English Major – Literature Concentration. Select one course from each area, Language, Theory, Folklore, Cultural, Ethnic, Gender, or Film Studies |
| | | English Major – Rhetoric and Writing Concentration. Select one course from each area, Language, Theory, Folklore, Cultural, Ethnic, Gender, or Film Studies |
| | | English Major – Technical Communication Concentration. Select one course from each area, Language, Theory, Folklore, Cultural, Ethnic, Gender, or Film Studies |
| | | English Minor – Technical Communication, Select one course |
| | | Interdisciplinary Programs Major – American Studies Concentration, Select one upper-division American literature course |
| | | Special Education Major – Education of the Deaf and Hard of Hearing Concentration, Elementary License, Linguistics list |
| | | *Crosslist – LING 472* |

**Linguistics (LING)**

**LING 472 American English (3)**

*Rationale:* Cross-listed with ENGL 472, but neither has been taught in 4 years; however this course is being taught this semester and will be taught regularly by a new faculty member. It is a key class in the Linguistics IDP.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| LING | 472 | Interdisciplinary Programs Major – Linguistics Concentration, Concentration Requirements (30 credit hours), Select 9 hours (in consultation with a linguistics advisor) |
| | | Linguistics Minor – Select 6 hours (in consultation with advisor) |
| | | *Crosslist – ENGL 472* |

**Music Education (MUED)**

**MUED 251 Functional Piano for Teachers II (1)**

*Rationale:* Has not been taught in 5 years, but department wants to keep it because this course is in the curriculum for keyboard music education majors. It is offered during the second half of fall semester for keyboard music education majors, who join the vocal music education majors in MUED 250.

| Subject | Subject | Course Impact |
|---|---|---|

| Code | Desc | |
|---|---|---|
| MUED | 251 | Music Major – Music Education Concentration, Vocal-General/Keyboard Emphasis, Third Year |
| | | Music Major – Music Education Concentration, Vocal-General/Keyboard Emphasis (uTrack Requirements), Term 5 |

**Music Keyboard (MUKB)**

**MUKB 460 The Organ and Its Literature I (3)**

*Rationale:* Has not been taught in 5 years - also in graduate catalog. Department wants to keep it because this course is being taught this semester and will be taught in future semesters. We need this class for several degree programs.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| MUKB | 460 | Music Major – Organ Concentration, Fourth Year |
| | | Music Major – Organ Concentration (uTrack Requirements), Term 7 |
| | | Music Major – Sacred Music Concentration – Organ Track, Fourth Year |
| | | Music Major – Sacred Music Concentration – Organ Track (uTrack Requirements), Term 7 |

**Music Performance (MUPF)**

**MUPF 410 Bassoon (1-3)**
**MUPF 411 Bassoon (1-3)**

*Rationale:* Has not been taught in 4 years - also in graduate catalog. Department wants to keep these because we have not had many bassoon majors in recent years, but expect to have new interest in the bassoon area. Our bassoon teacher is retiring in December and we expect to have new majors who will need thse courses in the near future.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| MUPF | 410 | Music Performance Courses list |
| | | *Prerequisite for MUPF 411* |
| | | *Comment for MUPF 411* |
| MUPF | 411 | Music Performance Courses list |

**MUPF 445 Tuba (1-3)**
**MUPF 446 Tuba (1-3)**

*Rationale:* Has not been taught in 4 years - also in graduate catalog. Department wants to keep these because we have had low numbers of Tuba majors and are currently recovering from the death of Kelly Thomas, tuba lecturer. We will need these courses for future tuba majors. We are currently searching for a full-time Assistant Professor in Tuba and expect to need these courses as early as next semester.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| MUPF | 445 | Music Performance Courses list |
| | | *Prerequisite for MUPF 446* |
| | | *Comment for MUPF 446* |
| MUPF | 446 | Music Performance Courses list |

**Political Science (POLS)**

**POLS 459 Government and Politics of Post-Communist Countries (3)**

*Rationale:* Has not been taught in 4 years, but is being taught this semester.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| POLS | 459 | Interdisciplinary Programs Major – Global Studies Concentration, Track II – Global Politics and Economy, B. Select two regional studies courses |
| | | Modern Foreign Languages and Literatures Major – Russian Studies Concentration, Select 15 hours |
| | | Political Science Major – International Affairs Concentration, List 2: Comparative Government and Politics |

**POLS 473 Negotiation, Bargaining, and Diplomacy (3)**

*Rationale:* Has not been taught in 5 years. Department wants to keep because this course was scheduled to be offered last year but the person who teaches the course was on family leave and has now left the University. We just hired someone who will be offering the course within the next two years.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| POLS | 473 | Political Science Major – International Affairs Concentration, List 1: International Relations |

**Psychology (PSYC)**

**PSYC 409 Group Facilitation (3)**

*Rationale:* Has not been taught in 5 years – also in graduate catalog. Department wants to keep it because it is on the schedule for Spring 2016.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| PSYC | 409 | None |

**ARCHIVE**

**College of Arts and Sciences**

**Africana Studies (AFST)**

**AFST 352 African-American Religion in the United States (3)**

*Rationale:* Cross-listed with REST 352, and neither has not been taught in 5 years; but Religious Studies would like this course to be archived.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| AFST | 352 | Interdisciplinary Programs Major – Africana Studies Concentration, Select 3 hours |
| | | Interdisciplinary Programs Major – Africana Studies Concentration, Select 21 hours |
| | | Interdisciplinary Programs Minor – Select 9 hours |
| | | *Crosslist – REST 352* |

**English (ENGL)**

ENGL 416 Early Victorian Literature (3)

*Rationale:* Has not been taught in 4 years - also in graduate catalog.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| ENGL | 416 | English Major – Creative Writing Concentration, Select one course from each area, 1660-1900 Literature |
| | | English Major – Literature Concentration, Select one course from each area, 1660-1900 Literature |
| | | English Major – Literature Concentration, Literature Concentration, Select one additional literature course |
| | | English Major – Rhetoric and Writing Concentration, Select one course from each area, 1660-1900 Literature |
| | | English Major – Technical Communication Concentration, Select one course from each area, 1660-1900 Literature |

**Religious Studies (REST)**

**REST 352 African-American Religion in United States (3)**

*Rationale:* Cross-listed with AFST 352, and neither has not been taught in 5 years. Religious Studies would like this course archived.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| REST | 352 | Interdisciplinary Programs Major – American Studies Concentration, Select 15 additional upper-division credit hours |
| | | Music Major – Sacred Music Concentration – Organ Track, Footnote 3 |
| | | Music Major – Sacred Music Concentration – Piano Track, Footnote 3 |
| | | Music Major – Sacred Music Concentration – Voice Track, Footnote 4 |
| | | Religious Studies Major – B. North America and Africa |
| | | Religious Studies Major – Honors Concentration, B. North America and Africa |
| | | *Crosslist – AFST 352* |

**Biomedical Engineering (BME)**

BME 420 Systems Biology and Complex System Theory (3)

*Rationale:* Has not been taught in 5 years, but the department would like to keep it.

| Subject Code | Subject Desc | Course Impact |
|---|---|---|
| BME | 420 | None |

**Main Agenda Items**
**January 12, 2016**

**COLLEGE OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES**
**All changes effective fall 2016**

**I. COURSE CHANGES**

**INTERDEPARTMENTAL**
**(AGNR) Agricultural Sciences and Natural Resources**

**ADD**

**AGNR 180 Global Dynamics: Food, Biodiversity, and the Environment (3)** By 2050, we will be challenged to feed the 9 billion inhabitants of planet Earth. We are charged to accomplish this sustainably while conserving water, atmospheric, and biodiversity resources to maintain healthy ecosystem functions. This course introduces global agriculture and natural resources issues, focusing on the connectedness of cultural, political, historical, and natural factors that drive contemporary innovations and policy in food production and conservation. Students will foster an appreciation for international agriculture and natural resources that empowers students to engage in international activities and make informed consumer and policy choices. May be used as the introductory course option for the Minor in International Agriculture and Natural Resources.

*Rationale:* This course serves as the introductory experience for students considering careers, study abroad experiences, and minoring in international agriculture and natural resources. After successful implementation of this course in 2016, it is anticipated approval to fulfill general education requirements in Cultures and Civilizations or Social Sciences will be sought by AGNR. *Impact on other units:* Reduce student numbers in popular, and frequently over capacity, CASNR Cultures and Civilizations or Social Science general education courses by providing a unique alternative. *Financial Impact:* There should be little to no financial impact when first offered in 2016 as the course enrollment is estimated around 12-15 students and the course will be co-instructed by the CASNR Student International Experiences Coordinator, Dr. A. Willcox, and the new UITA International Programs post-doctoral research associate. After successful implementation of the course and approval to fulfill general education requirements, enrollment is expected to increase, allowing for possible summer-term sections, and therefore increasing tuition revenue to UTK.
Input by faculty-administrators and review of international programs at Top 25 agricultural colleges indicate the International Agriculture and Natural Resources minor at the University of Tennessee would benefit from an introductory course. The course would serve to garner interest by participating UTK students, regardless of college or major, to address global challenges by minoring in International Agriculture and Natural Resources. Additionally, students should be inspired to pursue study abroad opportunities, furthering the UTK institutional goal of graduating students Ready for the World. Assessment Activities: The United States Department of Agriculture has challenged land-grant universities to educate college students about ways to feed the global population and its attendant growth without further denigrating our natural resources (air, land, biodiversity, and water). Attaining this goal requires a global perspective; UT students are increasingly taking advantage of study abroad opportunities and the Minor in International Agriculture and Natural Resources. For example, in our college, participation in study abroad has risen from 5 to 25% of graduating seniors in the past several years. This proposed course will be a gateway into a lifetime appreciation and possible career to meet the basic needs of all humankind, food and clean water, in harmony with healthy and diverse ecosystems.

**AGNR 480 How to Feed the World (3)** Human population growth will require food production to double by 2050. Explore ways our global society might sustainably increase food production, in ways that protect our environmental resources while maintaining food security and food justices. Aspects include socio-political, business, technology, cultural, religious, and natural sciences in various learning formats ranging from group discussions to guest lectures. Students are expected to develop potential solutions towards solving the world's food and environmental crises. May be used as capstone option for International Agriculture and International Resources minor.
*Registration Restriction: Junior or Senior status*

*Rationale:* The course serves as a culminating experience for students completing the Minor in International Agriculture and Natural Resources, allowing students with varied majors, perspectives and experiences to work together towards solving anticipated food and environmental crises. Course was taught as a special topics Fall 2015. *Impact on other units:* None anticipated. *Financial impact:* None, existing staff will instruct the course.
Input by faculty-administrators, and review, of international programs at Top 25 agricultural colleges indicate the International Agriculture and Natural Resources minor at the University of Tennessee would benefit from a capstone course. Support from Assessment Activities: The United States Department of Agriculture has challenged land-grant universities to educate college students about ways to feed the global population and its attendant growth without further denigrating our natural resources (air, land, biodiversity, and water). Attaining this goal requires a global perspective; UT students are increasingly taking advantage of study abroad opportunities and the Minor in International Agriculture and Natural Resources. For example, in our college, participation in study abroad has risen from 5 to 25% of graduating seniors in the past several years. This proposed course will allow students to synthesize international learning experiences with their peers to address global food and natural resources challenges across disciplines.

**DEPARTMENT OF AGRICULTURAL AND RESOURCE ECONOMICS**
**(AREC) Agricultural and Resource Economics**

Student Learning Outcomes
B.S. in Agricultural & Resource Economics, Major in Food & Agricultural Business
1. Students can explain and illustrate economic concepts and principles related to the market system's role in allocating society's resources to and within the food and fiber system.
2. Students can explain and illustrate economic concepts and principles related to decision-making by consumers and producers with regard to agricultural commodities, food products, and natural resources.
3. Students can explain basic principles in the areas of management, marketing and finance, and apply them in the context of agribusiness decision making.

4. Students can use economic logic and quantitative data to analyze problems and identify solutions related to the food and fiber system, the natural resource base, and environmental quality.

B.S. in Agricultural & Resource Economics, Major in Natural Resource & Environmental Economics

1. Students can explain and illustrate economic concepts and principles related to the market system's role in allocating society's resources to and within the food and fiber system.
2. Students can explain and illustrate economic concepts and principles related to decision-making by consumers and producers with regard to agricultural commodities, food products, and natural resources.
3. Students can identify and explain the market failures associated with environmental externalities, public goods, and scarce natural resources along with the array of policy tools that can be used to address these failures.
4. Students can use economic logic and quantitative data to analyze problems and identify solutions related to the food and fiber system, the natural resource base, and environmental quality.

**ADD**

**AREC 270 Economic Perspectives on Natural Resource and Environmental Issues (3)** Exploration of the economic causes of natural resource depletion and environmental degradation, employing the concepts of externalities, public goods, and market failure. Use of economic logic and analysis to assess the relative effectiveness of alternative policy approaches for addressing such problems. Application to issues of air quality, climate change, water quality, water quantity, energy use, fisheries management, endangered species protection, and waste recycling.

**AREC 312 Rural Real Estate Appraisal (2)** Theory, methods and procedures of real estate appraisal applied to rural property; trends in real estate values; factors influencing real estate values; approaches used in real estate valuation.
*(RE) Prerequisite(s): AREC 201 or ECON 201 or ECON 211.*

**AREC 313 Agricultural Law (2)** Survey of legal topics related to agribusiness operations and production agriculture in Tennessee. Topics include introduction to legal system, property, contracts, farm and business organization, civil liabilities, and estate planning.

**AREC 314 Environmental Law (2)** Survey of legal topics related to the natural environment, including an overview of the most important federal environmental statutes and the regulatory tools and concepts used to mitigate environmental degradation.

**AREC 331 Agricultural Commodity Policy (2)** Economics rationale for and effects of historical and current policies and programs for the agricultural commodity sector including price an income support, supply management, and crop insurance. Relationship of domestic commodity policy to international trade agreements.
*(RE) Prerequisite(s): AREC 201 or ECON 201 or ECON 211.*

**AREC 332 Food Policy (2)** Economic rationale for and effects of policies and programs relating to food production and consumption, including hunger and nutrition, safety, labeling, advertising, organic production, and local food systems.
*(RE) Prerequisite(s): AREC 201 or ECON 201 or ECON 211.*

**AREC 333 Agricultural Conservation Policy (2)** Economic rationale for and effects of policies and programs for the management of soil and water resources control, nutrient and pesticide application, and the protection of agricultural lands and wildlife habitats.
*(RE) Prerequisite(s): AREC 201 or ECON 201 or ECON 211.*

**AREC 352 Futures and Options Markets (2)** Examination of futures and options markets. Emphasis is placed on using futures and options in a risk management and pricing context pertaining to trading, marketing, hedging, and procurement of agricultural commodities and natural resources in relation to the agribusiness/agricultural sectors.
*(RE) Prerequisite(s): AREC 201 or ECON 201 or ECON 211.*

**AREC 443 Food Industry Management and Marketing (3)** Market analysis and business strategy for agricultural products from 'farm to fork'. Food industry procurement systems, transportation and logistics; supply chain forecasting and planning; management of food processing facilities; development of business plans for new food products and comprehensive marketing plans.
*(RE) Prerequisite(s): AREC 201 or ECON 201, STAT 201, AREC 342, AREC 350.*

EQUIVALENCY BETWEEN DROPPED AND ADDED COURSES

Note: These courses are not equivalent because the hours are different, but the new courses can be applied to meet the requirement of the dropped courses, as long as total hours for the degree are met.

AREC 315 Agricultural and Environmental Law (3) (DROPPED) meets the requirement of AREC 313 Agricultural Law (2) (ADDED).
AREC 430 Food and Agricultural Policy (3) (DROPPED) meets the requirement of AREC 331 Agricultural Commodity Policy (2) (ADDED).

*Rationale/Input from Assessment:* The following package of proposed changes in AREC courses and curricular requirements for the majors in Food and Environmental Business and Natural Resource and Environmental Economics is the product of a 15-month curricular review process within our department. A special committee (the standing UG Committee plus three other faculty members who teach UG courses) was established in June 2014 and charged with conducting this comprehensive review and preparing a set of general recommendations for consideration in a two-day departmental faculty retreat that was held in August 2014. This special committee's deliberations were informed by results from the department's formal assessment mechanisms, which include a major field exam for each major taken by all senior majors each year, writing exercises in senior level courses required in each major, and a self-assessment survey completed by graduating seniors in connection with a group exit interview process. The committee had the benefit of summaries of feedback from graduating seniors received during the group exit interviews over the previous several years. The committee also reviewed course offerings and curricular requirements for ten peer institutions in the southeast region.

The general recommendations were discussed in great depth at the faculty retreat, and there was broad support for the general direction of the proposed changes. The committee was directed to flesh out the details of the recommended changes for consideration by the departmental faculty in time for submission for the Fall 2016 catalog. The committee did so over the 2014-2015 academic year and presented a final set of recommended changes at the August 2016 faculty meeting, which were approved with a few minor changes.

The proposed course changes below address both core courses that are required in both departmental majors as well as courses or directed electives that are required in only one of the majors. However, a majority of the course changes are related to the Food and Agricultural Business major and the four new optional concentrations under that major that are being proposed. These course changes as a package relate to all four of the student learning outcomes above. A summary of the course changes follows, accompanied by the rationale for them.

Four courses are being dropped. Two courses (AREC 320 and 350) are being dropped because roughly equivalent subject matter coverage is available in courses offered by other departments (ECON 311 and ALEC 240). The other two courses to be dropped are in effect being split. AREC 315: Agricultural and Environmental Law, a three-hour course, is to be replaced with two two-hour courses (AREC 313 and 314), one focusing on agricultural law, the other on environmental law. Similarly, AREC 430: Food and Agricultural Policy, a three-hour course, is to be replaced by three two-hour courses (AREC 331, 332, and 333), focusing separately on commodity, food, and conservation policy. These changes will allow students pursuing one of our majors or minors, or simply taking electives in our department, to focus their coursework more narrowly based on interest and career plans, e.g. related to the food industry or the environment. These changes will also support the proposed Law and Policy concentration under the Food and Agricultural Business major.

There are four truly new courses in the proposed package. AREC 270: Economic Perspectives on Natural Resource and Environmental Issues is proposed as the “gateway” course for students pursuing our (still relatively new) major and minor in Natural Resource and Environmental Economics, but should also be a popular elective course for students in other majors in CASNR and other colleges. AREC 312: Rural Real Estate Appraisal and AREC 352: Futures and Options Markets are designed to provide students with opportunities to apply basic economic theory and business principles and to develop practical and marketable skills. These two course support student learning outcomes (3) and (4) in particular. AREC 443: Food Industry Management and Marketing is designed as the capstone course for the proposed concentration in Food Industry Management and should be of interest as well to students majoring in Food Science and Technology.

The revisions to existing courses primarily involve minor changes in title and/or description and prerequisite changes associated with either the new ECON 211-213 courses being planned by College of Business and or our plan to replace AREC 320 with ECON 311 in the curricular requirements for our majors. However, AREC 412: Finance and Risk Management and AREC 444: Agricultural Production and Technology Management are being revised to better serve as capstone courses for two of the proposed concentrations.

The proposed changes in curricular requirements that are presented in the Program Changes section later on can be summarized as follows. The proposed changes in the Food and Agricultural Business base major and minor and the Natural Resource and Environmental Economics major and minor are primarily a function of the proposed changes in AREC courses and a few changes in courses outside the department. Otherwise, most other changes are designed to allow students greater flexibility in meeting General Education requirements and individualizing their program of study. The one existing optional concentration is being dropped, and four optional concentrations are being added. The ways in which the curricular requirements for the proposed optional concentrations under the Food and Agricultural Business major differ from the requirements of the base major, and the implicit rationale for these concentrations, are summarized in the proposed verbiage prior to the proposed showcases. It should also be noted that both majors have a proposed experiential learning component, requiring students to complete an internship, research, or study abroad experience. *Impacts on other units:* The impacts on other units of this proposed package of course and curricular changes are minimal. Modest increases in enrollment on the part of students pursuing AREC majors in ECON 211, 213, and 311 have been discussed with and are supported by representatives of the Department of Economics. Small increases in enrollment in a few courses in other CASNR departments should not be a problem. The changes in AREC courses and minor requirements should on balance allow a greater variety of elective options for students in other majors. The changes should also provide greater flexibility in meeting requirements for the minor, which has been a problem in the past due to time conflicts between AREC courses required in the Food and Agricultural Business minor and required courses in other majors (particularly Animal Science). *Financial impact:* While it might appear that the net effect of dropping only four courses while adding nine must be an increase in credit hours per academic year, this is actually not the case. AREC 201 offerings will be reduced from two semesters per year to one (with possibility of summer offering). In addition, seven of the nine new courses are two-credit hour courses and six of the seven are planned to be taught only every other year. The overall net effect is thus a reduction of three credit hours per year in course offerings, implying no additional financial impact.

**DEPARTMENT OF ANIMAL SCIENCE**
**(ANSC) Animal Science**

Learning objectives for the B.S. in Animal Science:

1. Students will be able to demonstrate use of the terminology and processes relevant to Animal Science.
2. Students will be able to utilize information in problem-solving and professional situations.
3. Students will be able to recognize and incorporate awareness of cultural or regional differences in practice and management of the discipline.

**ADD**

**ANSC 281 Equine, Companion, and Exotic Animal Management and Well-being (2)** Exposure to current animal management practices and biotechnology techniques as they affect horse, dog, cat, and exotic animal operations and industries. Topics may include animal behavior, restraint and welfare, computer applications, nutrients and nutrient utilization, nutrient waste management, animal reproduction, health and well-being, emerging technologies and career opportunities. Contact Hour *Distribution: 1 hour lecture and one 2 hour lab.*

*Rationale:* Improve content delivery and efficiency of our sophomore level courses. Equine, exotic and companion animal content from the former 280 and 285 will be included in this course. This will be complemented by a companion course that focuses on food animals (280). *Impact on other units:* ALEC has concentrations that required the former 280 and content being offered in this course. We have communicated with their undergraduate coordinator on this change so they have time to adapt. *Financial impact:* Increase in FTE's will be offset by dropping 285 and decreasing credit hours for 280.
*Learning objectives supported by course:* 1. Students will be able to demonstrate use of the terminology and processes relevant to Animal Science. *Support from Assessment Activities:* Senior exit surveys indicate that there is a very strong interest in exotic and companion animal science within our student body. *Impact on existing CASNR enrollments:* Increased SCH per semester as the current 280 enrolled 90 students per semester for a total of 270 SCH, but the new 280+281 combination together will be able to enroll 120 students each for a total of 240 SCH.

**DEPARTMENT OF BIOSYSTEMS ENGINEERING AND SOIL SCIENCES**
**(ESS) Environmental and Soil Sciences**

**ADD**

**ESS 227 Honors: Waters and Civilizations (3) (CC)** Honors version of 220 that requires an additional honors component.
*Satisfies General Education Requirement: (CC).*
*Contact Hour Distribution: 3 hours lecture.*

*Rationale:* Adding an Honors section of an existing course so as to provide additional options for Honors students. Request will be sent to the General Education committee. *Impact on other units:* none. *Response to assessment:* none; minor additional load on instructor to teach one honors section. *Financial impact:* none.

**DEPARTMENT OF FORESTRY, WILDLIFE AND FISHERIES**
**(FWF) Forestry, Wildlife and Fisheries**

**Learning Objectives for the B.S. in Forestry**
1. Students will demonstrate knowledge and understanding of forestry in one of the four concentrations.
2. Students can apply forest and land management techniques presented in the curriculum.
3. Students will develop a depth of professional knowledge, the ability to problem solve, and critical thinking skills comparable to other professional forestry programs.

**Learning Objectives for the B.S. in Wildlife and Fisheries Science**
1. Students will demonstrate knowledge and understanding of wildlife and fisheries science in one of the two concentrations.
2. Students can apply wildlife and fisheries science techniques presented in the curriculum.
3. Students will develop a depth of professional knowledge, the ability to problem solve, and critical thinking skills comparable to other professional wildlife and fisheries science programs

**ADD**

**(FWF) FORESTRY, WILDLIFE AND FISHERIES**

**FWF 430 Introduction to Geographic Information Systems (GIS) for Natural Resources (3)** Introductory course in geographic information systems (GIS), with applications in natural resources. This course emphasizes creating detailed, professional grade maps, but also includes the basics of the theory, data collection, and analyses associated with GIS.
*Registration Restrictions: Forestry or Wildlife and Fisheries Science majors only*

*Rationale:* None of the available courses in GIS examine the critical issues related to applying GIS in natural resources. Employers are looking increasingly for graduates with specific GIS skills with natural resources applications. *Impact on other units:* Minimal; this will reduce enrollment in similar courses in BEES and GEOG, which are already in high demand. *Financial impact:* The course will be taught by a new professor as part of their regular teaching load.
This courses supports all three learning objectives for the B.S. in Forestry and Wildlife and Fisheries Science. *Support from assessment activities:* Senior exit surveys, alumni feedback, and interviews with departmental advisory board members over the past two years indicate the need for the course.

**(WFS) WILDLIFE AND FISHERIES SCIENCE**

**WFS 420 Identification and Ecology of Freshwater Mussels (3)** This class is devoted to the study of shells of freshwater mussel species found in the lakes, rivers, and streams of North America, with special attention given to the fauna of Tennessee.

*Rationale:* The course will provide students with an introduction to freshwater mussels, which are particularly important to aquatic habitats in Tennessee. *Impact on other units:* Minimal. *Financial impact:* The course will be team taught by a professor in FWF as part of their expected teaching load and a specialist employed by the McClung Museum.
This courses supports learning objectives 1 and 2 for the B.S. in Wildlife and Fisheries Science. *Support from assessment activities:* no specific support, other than employer and departmental advisory board suggestions to incorporate more components of ecosystems into curriculum.

**WFS 425 Tropical Ecology, Conservation, and Field Methods (3)** This study abroad course will cover tropical ecology and conservation concepts, issues, principles, and practices. In addition, it will provide experience in the field methods and techniques used by managers and researchers to study terrestrial natural resource ecology and conservation in tropical regions.

*Rationale:* This course currently is being offered as a special topics course for a study abroad experience in Belize. *Impact on other units:* Minimal. *Financial impact:* The course is being taught by a professor as part of their regular teaching load.
This courses supports learning objectives 2 and 3 for the B.S. in Wildlife and Fisheries Science. *Support from assessment activities:* Senior exit surveys have highlighted the importance of international experiences for our students.

**II. PROGRAM CHANGES**

**COLLEGE OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES**
**(CASNR) Agricultural Sciences and Natural Resources**

**REVISE TEXT AND REQUIREMENTS**
(under Academic Programs, Display Programs for College of Agricultural Sciences and Natural Resources)

**International Agriculture and Natural Resources Minor**

Globalization and feeding the world's projected 2050 population of 9 billion has made international experiences nearly obligatory for students to excel in the professional workforce. This minor will prepare undergraduate students to sustainably meet the challenges of global food and natural resources security while concurrently conserving ecosystems and biodiversity. The learning outcomes of this minor are: 1) understand the interdependency across nations to produce food and natural resources, 2) appreciate the connectedness of food and natural resources production on natural ecosystems and global processes, and 3) comprehend strategies by which agricultural products and natural resource use can be sustainably procured. More information on the minor can be obtained on the CASNR website or by contacting the CASNR Student International Experiences Coordinator, Adam Willcox (974-1557, awillcox@utk.edu). Students wishing to declare the minor must contact the Student International Experiences Coordinator for advising. ~~The minor in international agriculture and natural resources is intended for students interested in gaining an international perspective to the world's food, fiber, and natural resource systems.~~

**Minor Requirements**

The minor consists of 15 18 hours, and includes five 3-hour courses from four categories. Some of the classes listed may have prerequisites. ~~Only one 100-level course may be taken as a part of the minor as a prerequisite to other courses in the minor. Any deviations need to be requested via a petition.~~

**Category 1-International Agriculture and Natural Resources Sustainability. ~~Select one course:~~**
This category introduces students to explore global agriculture and natural resources issues. This will enable students to choose topics and courses of interest in Categories 2 and 3 as they progress in the minor. Students may choose the introductory course for the minor, AGNR 180. This course addresses global food and natural resources security and conservation issues by focusing on the interconnectedness of food and natural resources physical, cultural, political, and socioeconomic systems. This course also highlights current UTIA international research, teaching, and extension projects and prepares students to succeed during their international experience (see Category 2). Students unable to accommodate AGNR 180 into their schedules may substitute any 100 or 200 level course from Category 3 below. Select one course:

- AGNR 180 Global Dynamics: Food, Biodiversity, and the Environment
- Any 100 or 200 level course from Category 3. If used in Category 1, the course cannot be counted again to fulfill Category 3 requirements.
- ~~AGNR 481 – Special Topics in Agriculture and Natural Resources~~
- ~~FWF 420 – International Natural Resource Issues~~

**Category 2 – Experience and Preparedness in International Agriculture and Natural Resources ~~Select one course:~~**
Students will travel to a foreign country or attain intermediate proficiency in a foreign language to be competent in foreign cultures or languages. Students obtain international agriculture and natural resources travel educational experiences by taking a faculty-led study abroad course, completing an international internship, or enrolling in a foreign academic institution. Courses and internships not listed below must have an agriculture and natural resources focus and be approved by the CASNR Student International Experiences Coordinator. Alternatively, students can achieve preparedness to enter into the international agricultural workforce by attaining Intermediate II or Intensive Intermediate levels of language proficiency. Select one course:

- [2] ESS 220 - Waters and Civilization (only when taught in a non-US location)
- PLSC 491 – International Study: History and Culture of International Gardens and Landscapes
- WFS 425 - Tropical Ecology, Conservation, and Field Methods in Belize
- [3] Short-term or semester abroad courses in international agriculture and natural resources offered at UT not listed above
- [4] Short-term of semester abroad courses in international agriculture and natural resources offered by institutions other than UT
  or

**Category 3 – Food, Agricultural and Natural Resources Courses with an International Focus.** ~~**Select two courses (see footnote 2):**~~

In this category, students will gain proficiency in international agriculture and natural resources in their areas of interest. The courses offered include all CASNR departments, ensuring flexibility so that all majors can tailor the minor to their academic concentrations. The courses also include non-CASNR courses with high international agriculture and natural resources content. Select two courses (See footnote 4):

- ALEC 340 - Marketing and Public Strategies for Global Sectors
- ALEC 450 – Servant Leadership in Agriculture and Natural Resources
- AREC 201 - Economics of Global Food and Fiber System *
- AREC 420 - International Agricultural Trade and Marketing
- EPP 201 - Impact of Insects and Plant Diseases on Human Societies *
- ESS 120 - Soils and Civilizations *
- ESS 220 - Waters and Civilizations *
- ESS 462 - Environmental Climatology
- FDST 150 - History and Culture of Food *
- GEOG 333 - Climate Change and Human Response
- GEOL 202 – Earth as an Ecosystem: Modern Problems and Solutions
- GEOL 206 – Reducing Impacts on Planet Earth
- GEOL 456 - Global Climate Change
- PLSC 115 - Plants That Changed the World
- PLSC 250 - World Food and Fiber Plant Production *
- PLSC 415 – Agroecology
- Any additional approved study abroad experiences in international agriculture and natural resources from Category 2

**Category 4 – Capstone in International Agriculture and Natural Resources** ~~**Select two courses:**~~

In category 4, students will gain a deeper understanding of international agriculture and natural resources by working with faculty on an independent study project or with peers in a group setting to address international agriculture and natural resources challenges. Select one course:

- [5] AGNR 480 – How to Feed the World
- [7] AGNR 481 – Special Topics in Agriculture and Natural Resources
- ~~AREC 420 - International Agricultural Trade and Marketing~~
- ~~EPP 201 - Impact of Insects and Plant Diseases on Human Societies *~~
- ~~ESS 120 - Soils and Civilizations *~~
- ~~ESS 220 - Waters and Civilizations *~~
- ~~FDST 150 - History and Culture of Food *~~
- [6] FWF 420 – International Natural Resource Issues
- ~~PLSC 250 - World Food and Fiber Plant Production *~~
- ~~ESS 334 – Soil Nutrient Management and Fertilizers~~
  ~~or~~
- ~~ESS 442 – Soil Genesis and Classification~~

**Notes**

*Meets University General Education Requirement.

[1]The international experience is a planned experience in a foreign country, such as a study abroad program, semester abroad, or internship, with approval on a case-by-case basis.

[2]ESS 220 is normally taught during the fall or spring semester at the University of Tennessee, Knoxville. This course can only meet the Category 1 requirement when it is taught at a non-US location (e.g., as mini-term in May in the Dominican Republic). ~~One course should correspond with subject matter for the continent of the international experience. If the chosen course appears on the approved University General Education list, it may be used for both the minor and the University General Education Requirement. This selected course should be completed before AGNR 491 is taken.~~

[3]Students may select any course, internship, or experience offered at a foreign location during a mini-term, summer or semester abroad experience that transfers or provides 3 hours of credit at UTK. The course or internship must focus on agriculture and/or natural resources and should be pre-approved by the CASNR Student International Experiences Coordinator.

[4]Students may substitute international study abroad courses from UT colleges other than CASNR to be added by petition. Students must provide syllabi from these courses to the CASNR Student International Experiences Coordinator that demonstrate adequate focus on international agriculture and natural resources.

[5]Offered in fall semesters.

[6]Offered in spring semesters.

[7]This is an independent study arranged between a student and faculty member from any CASNR department. Independent study topics must focus on international agriculture and natural resources and be pre-approved by the CASNR Student International Experiences Coordinator.

*Rationale:* Introductory paragraph was added to elucidate the purposes of the minor. Explanatory paragraphs for categories were added to provide a framework for adding courses in the future and to better inform the purposes of the categories when petitions for

substitutions are submitted. Most of the courses added were added because they have been developed since the inception of the minor. AGNR 180 and AGNR 480 were added as gateway and capstone courses in order to improve the structure of, and student experiences in, the minor, mirroring the structure used at Penn State University. *Impact on other units:* None. *Financial impact:* AGNR 180 will be taught by faculty hired with development funds or other non E&G sources; AGNR 480 will be taught by existing faculty.

**REVISE TEXT**

**Watershed Minor**

Growing awareness of the complexity of water quantity and quality issues related to human activities leads to dealing with those issues on a watershed scale. The minor is for undergraduate students wishing to develop expanded skills in watershed science/engineering, planning and design, and culture and policy issues related to water. These skills are especially useful for careers in natural resource policy, water and land management, sustainable development and design for private industry, and storm water management for government agencies. More information is available at http://watershed.utk.edu/default.html. As described at the website listed above, the minor should be added to your Banner profile and courses should be submitted for substitution approval as early as possible, but no later than the beginning of your final semester.

**Minor Requirements**
The minor consists of 18 hours selected from at least two departments, and including at least one separate course from each group of courses. Note that some courses may have prerequisites. ~~At least one course from the Watershed Core must be selected.~~

**Watershed Core**

~~Select 3 hours:~~

- BSE 418 - Honors Environmental Hydrology
- CE 495 - Hydrology
- CE 498 - Honors Hydrology

Science/Engineering
~~Select 3 hours:~~

- BSE 418 - Honors Environmental Hydrology
- CE 495 - Hydrology
- CE 498 - Honors Hydrology
- GEOG 334 - Meteorology

Policy/Cultures/Society
Select 3 hours:

- ~~AREC 315 - Agricultural and Environmental Law~~
- ESS 227 - Honors: Water and Civilizations*

~~Select 9 hours:~~
~~any courses from the prior lists not already taken for the minor or any courses from the graduate watershed minor course lists~~

*Rationale:* all changes suggested by faculty and approved by Watershed Minor Faculty Executive Committee following Watershed Faculty Bylaws. *Impact on other units:* None. *Financial impact:* none.

**DEPARTMENT OF AGRICULTURAL LEADERSHIP, EDUCATION AND COMMUNICATIONS (ALEC)**

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Agriculture – Agricultural Leadership, Education and Communications Major – Agricultural Communications Concentration**

| | | |
|---|---|---|
| **Term 5** | | |
| [5]Agricultural Sciences and Natural Resources Elective | 3 | 2.0 cumulative GPA |
| Animal Science Elective (any ANSC course) | 2 ~~3~~ | CCI 150 |
| [2]Arts and Humanities Elective * | 3 | |
| JREM 400 | 3 | |
| JREM 451 * or JREM 456 * | 3 | |
| **Term 8** | | |
| [2]Arts and Humanities Elective * | 3 | No milestones |
| ALEC 441 | 3 | |
| JREM 466 | 3 | |
| [2,3]Social Sciences Elective * | 3 | |

| | | |
|---|---|---|
| [6]Unrestricted Elective | 1 | |

[4] Select sequence (8 hours) from BIOL 101 *-BIOL 102 *, BIOL 111 *-BIOL 112 *, BIOL 113 *-BIOL 114 *-BIOL 115 *, BIOL 150 *-BIOL 160 *-BIOL 159 *, or BIOL 158 *-BIOL 168 *-BIOL 167 *. BIOL 160 * has a CHEM 130 * corequisite, so students who choose BIOL 150 *-BIOL 160 *-BIOL 159 * should take CHEM 120 *-CHEM 130 * for their physical science electives. BIOL 111 *-BIOL 112 * has no chemistry requirement.

**Requirements for the Bachelor of Science in Agriculture – Agricultural Leadership, Education and Communications Major – Agricultural Education Concentration**

| | | |
|---|---|---|
| **Term 6** | | |
| ALEC 345 | 3 | 2.75 ~~2.5~~ cumulative GPA |
| ANSC 280 | 2 ~~3~~ | ALEC 211 |
| FDST 150*, FDST 241 | 6 | |
| FORS, FWF or WFS Elective | 3 | |
| PLSC 250* | 3 | |
| **Term 7** | | |
| ALEC 343, ALEC 440 | 6 | 2.75 ~~2.5~~ cumulative GPA |
| EDPY 401 | 3 | ALEC 345 |
| SPED 402 | 3 | |
| ETEC 486 | 3 | |
| ~~ANSC 495~~ ANSC 281 | 2 ~~1~~ | |

[2]Select sequence (8 hours) from BIOL 101 *-BIOL 102 *, BIOL 111 *-BIOL 112 *, BIOL 113 *-BIOL 114 *-BIOL 115 *, BIOL 150 *-BIOL 160 *-BIOL 159 *, or BIOL 158 *-BIOL 168 *-BIOL 167 *.

**Requirements for the Bachelor of Science in Agriculture – Agricultural Leadership, Education and Communications Major – Agricultural Extension Education Concentration**

| | | |
|---|---|---|
| **Term 4** | | |
| [1]Agricultural Sciences and Natural Resources Elective | 3 | 2.7 cumulative GPA |
| AREC 212 | 3 | ENGL 102 * |
| ESS 210 | 4 | |
| PSYC 110 * or PSYC 117 * or EDPY 210 * | 3 | |
| ANSC 281 | 2 | |
| **Term 5** | | |
| AREC 313 or AREC 314 ~~315~~ | 2 ~~3~~ | 2.7 cumulative GPA |
| [5] Cultures and Civilizations Elective* | 3 | ALEC 201 |
| EPP 313 or EPP 321 | 3 | |
| ESS 334 | 3 | |
| FDST 150* | 3 | |
| **Term 8** | | |
| 1Agricultural Sciences and Natural Resources Electives (300-400 level) | 6 | No Milestones |
| ANSC 280 | 2 ~~3~~ | |
| PLSC 221 | 3 | |
| [6]Unrestricted Elective | 3 | |

[2]Select sequence from BIOL 101 *-BIOL 102 *, BIOL 111 *-BIOL 112 *, BIOL 113 *-BIOL 114 *-BIOL 115*, * BIOL 150 *-BIOL 160 *-BIOL 159 *, or BIOL 158 *-BIOL 168 *-BIOL 167 *.

**Requirements for the Bachelor of Science in Agriculture – Agricultural Leadership, Education and Communications Major – Agricultural Leadership Concentration**

| | | |
|---|---|---|
| **Term 3** | | |
| ALEC 202 , ALEC 240 * | 6 | 2.0 cumulative GPA |
| Animal Science Elective (any ANSC course) | 2 ~~3~~ | MATH 113 * or higher |
| [3]AREC 201 * or ECON 201 * or ECON 207 * | 4 | |
| [4]Physical Science Electives* | 4 | |
| **Term 4** | | |
| ALEC 211 | 3 | 2.0 cumulative GPA |
| Environmental and Soil Sciences Electives (any ESS course) | 3 | ENGL 102 * |
| FDST 100 or FDST 150* | 3 | |
| [4]Physical Science Electives* | 4 | |
| [6]Unrestricted Electives | 2 | |

[1]Select sequence from BIOL 101 *-BIOL 102 *, BIOL 111 *-BIOL 112 *, BIOL 113 *-BIOL 114 *-BIOL 115 *, BIOL 150 *-BIOL 160 *-BIOL 159 *, or BIOL 158 *-BIOL 168 *-BIOL 167 *. BIOL 160 * has a CHEM 130 * corequisite, so students who choose BIOL 150 *-BIOL 160 *-BIOL 159 * should take CHEM 120 *-CHEM 130 * for their physical science electives. BIOL 111 *-BIOL 112 * has no chemistry requirement.

**Requirements for the Bachelor of Science in Agriculture – Agricultural Leadership, Education and Communications Major – Agricultural Science Concentration**

| | | |
|---|---|---|
| **Term 2** | | |
| Animal Science Elective (Any ANSC course) ~~ANSC 160 or ANSC 280~~ | 2 ~~2-3~~ | 2.0 cumulative GPA |
| ENGL 102 * | 3 | |
| [2]Natural Sciences Elective with Lab* | 4 | |
| [2]Quantitative Reasoning Elective * | 3 | |
| ALEC 440 * | 3 | |
| **Term 7** | | |
| [2]Arts and Humanities Elective * | 3 | 2.0 cumulative GPA |
| [2]Cultures and Civilizations Elective * | 3 | |
| [4]Unrestricted Electives | 10 ~~9~~ | |

**DEPARTMENT OF AGRICULTURAL AND RESOURCE ECONOMICS**
**(AREC) Agricultural and Resource Economics**

**REVISE TEXT**

**Food and Agricultural Business Major, BS in Agricultural and Resource Economics**

***Advisors***
Lewis ~~Clark~~, Jensen, ~~and~~ Park, and Walton

Students majoring in food and agricultural business are prepared for a wide variety of career opportunities. The focus of their studies is on the functioning of the agri-food sector in the global economic system and the economic principles for decision making by business managers, consumers, policymakers, and others within that sector. Students complete a curriculum designed to provide them with a broad-based education and the specialized skills necessary for a successful career in the agri-food industry or with a related organization or public agency. The curriculum builds upon the university-wide general education requirements by adding a set of directed electives from within the College of Agricultural Sciences and Natural Resources, a set of core courses from within the Haslam College of Business, and a set of required courses within the Department of Agricultural and Resource Economics. Students customize their program by selecting among upper-division electives within the department. General elective hours in the curriculum allow flexibility for students to pursue a minor within some area of technical agriculture or another field such as communications. Students have ample opportunity to develop strong microcomputer skills and gain practical real-world experiences through case study analyses, the NAMA marketing team, internships, and extracurricular activities. Students must complete an experiential learning requirement involving either an internship, an undergraduate research project, or a study abroad experience.

Students graduating with a major in food and agricultural business have many career options. Many graduates take positions in management or marketing with businesses involved in the farm input supply sector. This would include large multinational corporations that manufacture inputs such as machinery, chemicals, and feed, as well as local retailers of such items. Other graduates manage operations involved in the production of agricultural commodities or the processing of food products. Graduates also find career opportunities with food distribution and retailing companies serving as managers, marketing representatives, or in areas of customer service and public relations. Graduates are employed in financial institutions, insurance agencies, or real estate companies. Many industry organizations and government agencies also have employment opportunities for our graduates. It is not uncommon for our graduates to take positions with businesses that are outside the agri-food industry. Graduates also find themselves well prepared for graduate study in agricultural and resource economics or agribusiness management, as well as for professional programs such as law.

Students who wish to target a specific career direction can choose to pursue one of the four optional concentrations: Agricultural Production and Technology Management, Law and Policy, Finance and Risk Management, and Food Industry Management. Because each of these concentrations requires students to complete a more specific set of courses than the base major, students must work closely with their advisor to assure that they schedule required courses prior to their planned graduation date. Many required courses are offered only once per academic year, while a few are offered only every other year. Students unable to complete the required courses as listed for one of the optional concentrations for any reason (e.g., scheduling conflicts with alternate-year courses) will revert to using the base Food and Agricultural Business major.

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Agricultural and Resource Economics – Food and Agricultural Business Major**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| AREC 110 | 1 | One general education elective* |
| [1]Biological Sciences Electives* | 3 4 | |
| [2] Cultures and Civilizations Elective* | 3 | |
| ENGL 101* or ENGL 118* | 3 | |
| MATH 123* | 3 | |
| **Term 2** | | |
| [2] Cultures and Civilizations Elective* | 3 | One additional general education elective* |
| ENGL 102* | 3 | |

| | | |
|---|---|---|
| MATH 125* | 3 | |
| NUTR 100* | 3 | |
| ECON 211* ~~PSYC 110*, PSYC 117*, POLS 102*, SOCI 120*, or SOCI 127*~~ | 3 | |
| **Term 3** | | |
| ACCT 200 or ACCT 207 | 3 | ENGL 101* |
| PSYC 110*, PSYC 117*, POLS 102*, SOCI 120*, or SOCI 127* ~~AGNR 291~~ | 3 | |
| ECON 213* ~~AREC 201~~ | 3 | |
| CMST 210*, CMST 217, CMST 240*, or CMST 247* or ALEC 240* | 3 | |
| [3]Physical Sciences Electives* | 4 | |
| **Term 4** | | |
| AGNR 291, AGNR 292 | 2 ~~1~~ | AREC 201* or ECON 201* or ECON 207* |
| AREC 212 | 3 | |
| FDST 100 or FDST 150* | 3 | |
| [3]Physical Sciences Electives* | 4 | |
| STAT 201* or STAT 207* | 3 | |
| **Term 5** | | |
| Written Communication (WC) Course ~~ALEC 440* or ENGL 360*~~ | 3 | AREC 212 |
| AREC 310 ~~, AREC 320, AREC 412~~ | 1 | MATH 119 or MATH 123* or MATH 125* |
| ECON 311 | 3 | |
| AREC Electives | 3 | |
| [2]Arts and Humanities Elective* | 3 | |
| ~~[5]~~Nondepartmental CASNR Elective | 3 | |
| **Term 6** | | |
| AREC 324, AREC 342, AREC 350 | 9 | ACCT 200 |
| [2]Arts and Humanities Elective* | 3 | 300-level AREC Elective |
| ~~[5]~~Nondepartmental CASNR Elective | 3 | |
| **Term 7** | | |
| Any upper-division course in College of Business ~~300-level Economics Elective~~ | 3 | Apply to graduate |
| AREC 410, AREC 412 | 4 ~~1~~ | |
| [4] ~~[6]~~AREC Electives | 3 | |
| ~~[5]~~Nondepartmental CASNR Elective | 3 | |
| AREC 492 or AREC 499 or AGNR 491 ~~[7]Unrestricted Elective~~ | 3 | |
| **Term 8** | | |
| AREC 442 | 3 | No milestones |
| [4] ~~[6]~~AREC Electives | 3 ~~6~~ | |
| [5] ~~[7]~~ Unrestricted Electives | 8 ~~6~~ | |
| **TOTAL** | **120** | |

[1] Chosen from BIOL 101*, BIOL 102*, BIOL 111*, BIOL 112*, BIOL 113*, BIOL 114* and BIOL 115*.

[4]A maximum of three credit hours can be used from each of the following courses: AREC 356, AREC 492, AREC 493, and AREC 499. ~~If FDST 150* is used as a Cultures and Civilizations General Education elective, then FDST 100 must be completed to fulfill this requirement.~~

[5]Any courses not already required for the major. ~~Chosen from any CASNR course with the following exceptions: (1) if ALEC 440* or ESS 120* or ESS 220* or FDST 150* are used to meet other requirements, they may not be used to meet this requirement; and (2) no more than three credit hours can be used from ALEC 492 or ANSC 360* and ANSC 461.~~

~~[6] A maximum of three credit hours can be used from each of the following courses: AREC 365, AREC 492, and AREC 493.~~

~~[7] Any courses not already required for the major.~~

## ◈ DROP CONCENTRATION

**Bachelor of Science in Agricultural and Resource Economics - Food and Agricultural Business Major - Agricultural Equipment Systems Management**

## ◈ ADD CONCENTRATION

**Food and Agricultural Business Major, BS in Agricultural and Resource Economics - Food and Agricultural Business Major – Agricultural Production and Technology Management Concentration**

Compared to the base major, this concentration requires courses within the department in futures/options markets and agricultural commodity policy, along with a capstone course in agricultural production and technology management. Outside the department, courses in animal science and plant science are required, along with an additional six hours of coursework in areas related to

production agriculture. This concentration would be appropriate for students who expect to be involved in management of a farm or agricultural production facility and for students who are pointing toward a career in the farm input supply sector.

**uTrack Requirements (for students entering Fall 2013 or later)**

Universal Tracking (uTrack) is an academic monitoring system designed to help students stay on track for timely graduation. In order to remain on track, students must complete the minimum requirements for each tracking semester, known as milestones. Milestones include successful completion of specified courses and/or attainment of a minimum GPA. uTrack requirements only affect full-time, degree-seeking students who first entered Fall 2013 or later. uTrack does not apply to transfer students who enter prior to Fall 2015.

**Requirements for the Bachelor of Science in Agricultural and Resource Economics – Food and Agricultural Business Major – Agricultural Production and Technology Management Concentration**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| AREC 110 | 1 | One general education elective* |
| [1]Biological Sciences Electives* | 4 | |
| [2]Cultures and Civilizations Elective* | 3 | |
| ENGL 101* or ENGL 118* | 3 | |
| MATH 123* | 3 | |
| **Term 2** | | |
| [2]Cultures and Civilizations Elective* | 3 | One additional general education elective* |
| ENGL 102* | 3 | |
| MATH 125* | 3 | |
| NUTR 100* | 3 | |
| ECON 211* | 3 | |
| **Term 3** | | |
| ACCT 200 or ACCT 207 | 3 | ENGL 101* |
| PSYC 110*, PSYC 117*, POLS 102*, SOCI 120*, or SOCI 127* | 3 | |
| ECON 213* | 3 | |
| CMST 210*, CMST 217, CMST 240*, or CMST 247* or ALEC 240* | 3 | |
| ESS 210* | 4 | |
| **Term 4** | | |
| AGNR 291, 292 | 2 | ECON 211* or ECON 213* |
| AREC 212 | 3 | |
| FDST 100 or FDST 150* | 3 | |
| [3]Physical Sciences Elective* | 4 | |
| STAT 201* or STAT 207* | 3 | |
| **Term 5** | | |
| Written Communication (WC) Course | 3 | AREC 212 |
| AREC 310 | 1 | MATH 119 or MATH 123* or MATH 125* |
| ECON 311 | 3 | |
| AREC Electives | 2-3 | |
| [2]Arts and Humanities Elective* | 3 | |
| ANSC 160 or ANSC 280 | 2 | |
| **Term 6** | | |
| AREC 324, AREC 342, AREC 350 , AREC 352 | 11 | ACCT 200 |
| [2]Arts and Humanities Elective* | 3 | 300-level AREC Elective |
| PLSC 250 | 3 | |
| **Term 7** | | |
| Any upper-division course in College of Business | 3 | Apply to graduate |
| AREC 410, AREC 412 , AREC 331, AREC 444 | 9 | |
| AREC 492 or AREC 499 or AGNR 491 | 3 | |
| **Term 8** | | |
| AREC 442 | 3 | No milestones |
| [5]Nondepartmental CASNR Elective | 6 | |
| [6]Unrestricted Electives | 4-5 | |
| **TOTAL** | **120** | |

*****Meets University General Education Requirement

[1]Chosen from BIOL 101*, BIOL 102*, BIOL 111*, 112*, BIOL 113*, 114*, 115*.

[2]Chosen from the University General Education list.

[3]Chosen from CHEM 100*, CHEM 110*, CHEM 120*, CHEM 130*; ESS 210; GEOG 131*, GEOG 132*; GEOL 101*, GEOL 102*, GEOL 103*.

[4]A maximum of three credit hours can be used from each of the following courses: AREC 356 , AREC 492, AREC 493, and AREC 499.

[5]Chosen from the following areas: ANSC, BSET, EPP, ESS, PLSC. Students who wish to concentrate their electives in either

| |
|---|
| animal agriculture or crop agriculture should consult their advisor for guidance on recommended courses. |
| [6]Any course not already required for the major. |

## ADD CONCENTRATION

**Food and Agricultural Business Major, BS in Agricultural and Resource Economics - Food and Agricultural Business Major – Law and Policy Concentration**

Compared to the base major, this concentration requires courses in two of three areas of law (agricultural, business, environmental) and two of three areas of policy (commodity, conservation, and food). Two additional courses related to law and/or policy are also required from a list of directed electives. This concentration would be appropriate for students pointing toward law school or a graduate program in public administration or public policy. Students seeking to work for a government agency or and industry organization would also benefit greatly from pursuing this concentration.

**Requirements for the Bachelor of Science in Agricultural and Resource Economics – Food and Agricultural Business Major – Law and Policy Concentration**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| AREC 110 | 1 | One general education elective* |
| [1]Biological Sciences Electives* | 4 | |
| [2]Cultures and Civilizations Elective* | 3 | |
| ENGL 101* or ENGL 118* | 3 | |
| MATH 123* | 3 | |
| **Term 2** | | |
| [2]Cultures and Civilizations Elective* | 3 | One additional general education elective* |
| ENGL 102* | 3 | |
| MATH 125* | 3 | |
| NUTR 100* | 3 | |
| ECON 211* | 3 | |
| **Term 3** | | |
| ACCT 200 or ACCT 207 | 3 | ENG 101* |
| POLS 101* or POLS 102* | 3 | |
| ECON 213* | 3 | |
| CMST 210*, CMST 217, CMST 240*, CMST 247* or ALEC 240* | 3 | |
| [3]Physical Sciences Electives* | 4 | |
| **Term 4** | | |
| AGNR 291, 292 | 2 | ECON 211* or ECON 213* |
| AREC 212 | 3 | |
| FDST 100 or FDST 150* | 3 | |
| [3]Physical Sciences Electives* | 4 | |
| STAT 201* or STAT 207* | 3 | |
| **Term 5** | | |
| Written Communication (WC) Course | 3 | AREC 212 |
| AREC 310 | 1 | MATH 119 or MATH 123* or MATH 125* |
| ECON 311 | 3 | |
| Select two of the following courses: AREC 313, AREC 314, BULW 301 | 4 | |
| [2]Arts and Humanities Elective* | 3 | |
| Nondepartmental CASNR Elective | 3 | |
| **Term 6** | | |
| AREC 324, AREC 342, AREC 350 | 9 | ACCT 200 |
| [2]Arts and Humanities Elective* | 3 | 300-level AREC Elective |
| Nondepartmental CASNR Elective | 3 | |
| **Term 7** | | |
| AREC 410, AREC 412 | 4 | Apply to graduate |
| Select two of the following courses: AREC 331, AREC 332, AREC 333 | 4 | |
| AREC 492 or AREC 499 or AGNR 491 | 3 | |
| [4]Law/Policy Directed Electives | 3 | |
| **Term 8** | | |
| AREC 442 | 3 | No milestones |
| [4]Law/Policy Directed Electives | 2-3 | |
| [5]AREC Electives | 2-3 | |
| [6]Unrestricted Electives | 5-7 | |
| **TOTAL** | **120** | |
| ***Meets University General Education Requirement.** | | |
| [1]Chosen from BIOL 101*, BIOL 102*, BIOL 111*, 112*, BIOL 113*, BIOL 114*, BIOL 115*. | | |

| |
|---|
| [2]Chosen from the University General Education list. |
| [3]Chosen from CHEM 100*, CHEM 110*, CHEM 120*, CHEM 130*; ESS 210; GEOG 131*, GEOG 132*; GEOL 101*, GEOL 102*, GEOL 103*. |
| [4]Select two courses from the following: AREC 420, AREC 445, AREC 470, AREC 472, ECON 333, ECON 362, ECON 471, ECON 472, FDST 390, POLS 240, POLS 311. |
| [5]A maximum of three credit hours can be used from each of the following courses: AREC 356 , AREC 492, AREC 493, and AREC 499. |
| [6]Any courses not already required for the major. |

**ADD CONCENTRATION**

**Food and Agricultural Business Major, BS in Agricultural and Resource Economics - Food and Agricultural Business Major – Finance and Risk Management Concentration (Business Administration Minor)**

Compared to the base major, this concentration requires departmental courses in rural real estate appraisal, agricultural law, futures/options markets, and commodity policy. This concentration builds in a Minor in Business Administration that includes courses in management, marketing, and finance. This concentration would be appropriate for students interested in working in some capacity within the finance, insurance, or real estate industries, or for the US Department of Agriculture agencies that administer the commodity and crop insurance programs.

**Requirements for the Bachelor of Science in Agricultural and Resource Economics – Food and Agricultural Business Major – Finance and Risk Management Concentration (Business Administration Minor)**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| AREC 110 | 1 | One general education elective* |
| [1]Biological Sciences Electives* | 4 | |
| [2]Cultures and Civilizations Elective* | 3 | |
| ENGL 101* or ENGL 118* | 3 | |
| MATH 123* | 3 | |
| **Term 2** | | |
| [2]Cultures and Civilizations Elective* | 3 | One additional general education elective* |
| ENGL 102* | 3 | |
| MATH 125* | 3 | |
| NUTR 100* | 3 | |
| ECON 211* | 3 | |
| **Term 3** | | |
| ACCT 200 or ACCT 207 | 3 | ENG 101* |
| PSYC 110*, PSYC 117*, POLS 102*, SOCI 120*, or SOCI 127* | 3 | |
| ECON 213* | 3 | |
| CMST 210*, CMST 217, CMST 240*, CMST 247* or ALEC 240* | 3 | |
| [3]Physical Sciences Electives* | 4 | |
| **Term 4** | | |
| AGNR 291, 292 | 2 | ECON 211* or ECON 213* |
| AREC 212 | 3 | |
| FDST 100 or FDST 150* | 3 | |
| MGT 201 | 3 | |
| [3]Physical Sciences Electives* | 4 | |
| STAT 201* or STAT 207* | 3 | |
| **Term 5** | | |
| Written Communication (WC) Course | 3 | AREC 212 |
| AREC 310 , AREC 312, AREC 313 | 5 | MATH 119 or MATH 123* or MATH 125* |
| ECON 311 | 3 | |
| MGT 300 | 3 | |
| **Term 6** | | |
| AREC 324, AREC 342, AREC 350 , AREC 352 | 11 | ACCT 200 |
| FINC 300 | 3 | 300-level AREC Elective |
| **Term 7** | | |
| MARK 300 | 3 | Apply to graduate |
| AREC 410, AREC 412 , AREC 331 | 6 | |
| AREC 492 or AREC 499 o AGNR 491 | 3 | |
| Nondepartmental CASNR Elective | 3 | |
| **Term 8** | | |
| AREC 442 | 3 | No milestones |
| Nondepartmental CASNR Elective | 3 | |
| [2]Arts & Humanities Elective | 6 | |
| [4]Unrestricted Electives | 2 | |

| TOTAL | 120 | |
|---|---|---|
| *Meets University General Education Requirement. | | |
| [1]Chosen from BIOL 101*, BIOL 102*, BIOL 111*, BIOL 112*, BIOL 113*, 114, 115*. | | |
| [2]Chosen from the University General Education list. | | |
| [3]Chosen from CHEM 100*, CHEM 110*, CHEM 120*, CHEM 130*; ESS 210; GEOG 131*, GEOG 132*; GEOL 101*, GEOL 102*, GEOL 103*. | | |
| [4]Any courses not already required for the major. | | |

## ADD CONCENTRATION

**Food and Agricultural Business Major, BS in Agricultural and Resource Economics - Food and Agricultural Business Major – Food Industry Management Concentration (Business Administration Minor)**

Compared to the base major, this concentration requires departmental courses in food industry management and marketing as well as food policy. A course in food laws and regulations is also required. This concentration builds in a Minor in Business Administration that includes courses in management, marketing, and finance. This concentration would be appropriate for students interested in employment with companies engaged in the processing of agricultural commodities or the manufacturing, wholesaling, or retailing of food products.

**Requirements for the Bachelor of Science in Agricultural and Resource Economics – Food and Agricultural Business Major – Food Industry Management Concentration (Business Administration Minor)**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| AREC 110 | 1 | One general education elective* |
| [1]Biological Sciences Electives* | 4 | |
| [2]Cultures and Civilizations Elective* | 3 | |
| ENGL 101* or ENGL 118* | 3 | |
| MATH 123* | 3 | |
| **Term 2** | | |
| [2]Cultures and Civilizations Elective* | 3 | One additional general education elective* |
| ENGL 102* | 3 | |
| MATH 125* | 3 | |
| NUTR 100* | 3 | |
| ECON 211* | 3 | |
| **Term 3** | | |
| ACCT 200 or ACCT 207 | 3 | ENG 101* |
| PSYC 110*, PSYC 117*, POLS 102*, SOCI 120*, or SOCI 127* | 3 | |
| ECON 213* | 3 | |
| CMST 210*, CMST 217, CMST 240*, CMST 247* or ALEC 240* | 3 | |
| [3]Physical Sciences Electives* | 4 | |
| **Term 4** | | |
| AGNR 291, 292 | 2 | ECON 211* or ECON 213* |
| AREC 212 | 3 | |
| FDST 100 or FDST 150* | 3 | |
| MGT 201 | 3 | |
| [3]Physical Sciences Electives* | 4 | |
| STAT 201* or STAT 207* | 3 | |
| **Term 5** | | |
| Written Communication (WC) Course | 3 | AREC 212 |
| AREC 310 | 1 | MATH 119 or MATH 123* or MATH 125* |
| ECON 311 | 3 | |
| AREC Electives | 2-3 | |
| FDST 390 | 3 | |
| MGT 300 | 3 | |
| **Term 6** | | |
| AREC 324, AREC 342, AREC 350 | 9 | ACCT 200 |
| [2]Arts & Humanities Elective | 3 | 300-level AREC Elective |
| FINC 300 | 3 | |
| **Term 7** | | |
| MARK 300 | 3 | Apply to graduate |
| AREC 410, AREC 412 , AREC 332 | 6 | |
| AREC 492 or AREC 499 or AGNR 491 | 3 | |
| [2]Arts & Humanities Elective | 3 | |
| **Term 8** | | |
| AREC 442, AREC 443 | 6 | No milestones |
| [5]Nondepartmental CASNR or Hotel, Restaurant, and | 3 | |

| | | |
|---|---|---|
| Tourism Elective | | |
| [4]Unrestricted Electives | 2-3 | |
| **TOTAL** | **120** | |
| ***Meets University General Education Requirement.** | | |
| [1]Chosen from BIOL 101*, BIOL 102*, BIOL 111*, BIOL 112*, BIOL 113*, BIOL 114, BIOL 115*. | | |
| [2]Chosen from the University General Education list. | | |
| [3]Chosen from CHEM 100*, CHEM 110*, CHEM 120*, CHEM 130*; ESS 210; GEOG 131*, GEOG 132*; GEOL 101*, GEOL 102*, GEOL 103*. | | |
| [4]A maximum of three credit hours can be used from each of the following courses: AREC 356 , AREC 492, AREC 493, and AREC 499. | | |
| [5]Any courses not already required for the major. | | |

**REVISE REQUIREMENTS**

**Food and Agricultural Business Minor**

**Minor Requirements**

The minor consists of 21-22 hours.

**Complete**

- AREC 201 – Economics of the Global Food and Fiber System* or ECON 201-Introductory Economics: A Survey Course* or ECON 211: Principles of Microeconomics*
- AREC 212 – Introduction to ~~The~~ Agribusiness Management ~~Firm~~
- ~~AREC 412 – Agricultural Finance~~

**Select 6 ~~3~~ hours:**

any Agricultural and Resource Economics course

**REVISE TEXT AND REQUIREMENTS**

**Bachelor of Science in Agricultural and Resource Economics • Natural Resource and Environmental Economics Major**
Advisors
Clark~~, Jensen,~~ and Park

**Requirements, Bachelor of Science in Agricultural and Resource Economics, Natural Resource and Environmental Economics Major**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| AREC 110 | 1 | One general education elective* |
| [1]Biological Sciences Electives* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| ESS 120* | 3 | |
| MATH 123* | 3 | |
| **Term 2** | | |
| ENGL 102* | 3 | One additional general education elective* |
| ESS 220* | 3 | |
| FWF 250* | 3 | |
| MATH 125* | 3 | |
| ECON 211* ~~PSYC 110*, PSYC 117*, POLS 102*, SOCI 120*, or SOCI 127*~~ | 3 | |
| **Term 3** | | |
| ACCT 200 or ACCT 207 | 3 | ENGL 101* |
| PSYC 110*, PSYC 117*, POLS 102*, SOCI 120*, or SOCI 127* ~~AGNR 291~~ | 3 ~~1~~ | |
| ECON 213 ~~AREC 201*~~ | 3 ~~4~~ | |
| CMST 210*, CMST 217, CMST 240*, or CMST 247* | 3 | |
| [2] ~~[3]~~ Physical Science Elective* | 4 | |
| **Term 4** | | |
| AGNR 291, AGNR 292 | 2 ~~1~~ | ECON 211* or ECON 213* ~~AREC 201* or Econ 201* or ECON 207*~~ |
| AREC 270 ~~AREC 212~~ | 3 | |
| [3] ~~[2]~~ Arts and Humanities Elective* | 3 | |
| ESS 210 | 4 | |
| STAT 201* or STAT 207* | 3 | |
| **Term 5** | | |
| AREC 310, AREC 314 ~~AREC 315, AREC 320~~ | 3 ~~7~~ | AREC 212 |
| ECON 311, ECON 362 | 6 ~~3~~ | MATH 119 or MATH 123* or MATH 125* |
| [2]Arts and Humanities Elective* ~~[4]Nondepartmental~~ | 3 | |

| | | |
|---|---|---|
| ~~CASNR elective~~ | | |
| PHIL 346* | 3 | |
| **Term 6** | | |
| AREC 324 | 3 | ACCT 200 |
| AREC 342 or AREC 350 | 3 | 300-level AREC elective |
| ~~[2]Arts and Humanities Elective*~~ | ~~3~~ | |
| BSET 326 or GEOG 411 | 3 | |
| [4]Directed Electives ~~Nondepartmental CASNR Elective~~ | 6 ~~3~~ | |
| **Term 7** | | |
| ~~ALEC 440* or ENGL 360*~~ | ~~3~~ | Apply to graduate |
| AREC 410, ~~AREC 430,~~ AREC 333, AREC 445, AREC 472 | 8 ~~7~~ | |
| AREC 492 or AREC 499 or AGNR 491 ~~[5]AREC Elective~~ | 3 | |
| [4]Directed Elective ~~ECON 361, ECON 471, GEOG 340, GEOG 345, GEOG 436, or SOCI 360~~ | 3 | |
| **Term 8** | | |
| AREC 470 | 3 | No milestones |
| [4]Directed Electives ~~[5]AREC Elective~~ | 4-6 ~~3~~ | |
| ECON 463 | 3 | |
| [6]Unrestricted Electives | 4-6 | |
| **TOTAL** | **120** | |
| Term 8 | | |
| *Meets University General Education Requirement. | | |
| [1]Chosen from BIOL 101*, BIOL 102*, BIOL 111*, BIOL 112* BIOL 113*, BIOL 114*, BIOL 115*. | | |
| [2]Chosen from CHEM 100*, CHEM 110*, CHEM 120*, CHEM 128*, CHEM 130*, CHEM 138*; GEOG 131*, GEOG 132*, GEOG 137*; GEOL 101*, GEOL 102*, GEOL 103*, GEOL 107*, GEOL 108*. ~~Chosen from the University General Education list.~~ | | |
| [3]Chosen from the University General Education list. ~~Chosen from CHEM 100*, CHEM 110*, CHEM 120*, CHEM 128*, CHEM 130*, CHEM 138*; GEOG 131*, GEOG 132*, GEOG 137*; GEOL 101*, GEOL 102*, GEOL 103*, GEOL 107*, GEOL 108*.~~ | | |
| [4]Chosen from any AREC course, ECON 361, ECON 471, ESS 424, ESS 462; FORS 314, FORS 321*, FORS 420, FORS 422; FWF 420, GEOG 340, GEOG 345, GEOG 436, SOC 360. | | |
| [5]A maximum of three credit hours can be used from each of the following courses: AREC 356, AREC 492 and AREC 493. | | |
| [6]Any courses not already required for the major. | | |

**REVISE REQUIREMENTS**

**Natural Resource and Environmental Economics Minor**

**Minor Requirements**

The minor consists of 17-19 ~~22~~ credit hours

**Complete:**

- AREC 201 – Economics of the Global Food and Fiber System* or ECON 201* - Introductory Economics: A Survey Course or ECON 211* - Principles of Microeconomics
- AREC 270 – Economic Perspectives on the Environment
- AREC 314 – Environmental Law
- ~~AREC 315 – Agricultural and Environmental Law~~
- ~~AREC 320 – Microeconomics of Agriculture, Food and Resources~~
- AREC 333 – Agricultural Conservation Policy
- ~~AREC 430 – Food and Agricultural Policy~~
- AREC 445 – Renewable Energy Economics
- ~~AREC 470 – Policy Analysis for Environmental and Natural Resource Management~~
- ~~AREC 472 – Natural Resource Economics~~

**Select one course:**

- AREC 470
- AREC 472
- Econ 362
- ECON 463
- FORS 314
- FORS 420
- FORS 422

~~Any 300- or 400- level AREC elective~~

**DEPARTMENT OF ANIMAL SCIENCE**
**(ANSC) ANIMAL SCIENCE**

**REVISE REQUIREMENTS**

**Animal Science Major, BS in Animal Science – Animal Industries Concentration**

(Insert text below the uTrack statement.)
To remain in the major, students must maintain at least a 2.0 cumulative GPA in ANSC courses above ANSC 100 by the end of semester three.

*Rationale:* The revised milestone requirements will provide an early indicator for students and advisors that students may not have the skill set/practices to continue in animal science. This will either induce students to change practices and/or begin to search for alternative major and career opportunities. *Impact on other units:* None. *Financial impact:* None.

**Requirements for the Bachelor of Science in Animal Science, Animal Science Major – Animal Industries Concentration**

| | | |
|---|---|---|
| **Term 3** | | |
| ANSC 280, ANSC 281 | 4 ~~3~~ | ANSC 160 or ANSC 280 or ANSC 281 or Natural Sciences Elective* or Quantitative Reasoning Elective* |
| AREC 201* or ECON 201* or ECON 207* or ECON 211 | 4 | 2.0 GPA in ANSC courses above 100 |
| [2]STEM Elective | 3 | |
| [1,5]Quantitative Reasoning Electives* | 3-4 | |
| **Term 5** | | |
| ANSC 330 | 3 | ANSC 160 or ANSC 280 or ANSC 281 |
| ANSC 380 | 3 | BIOL 101* or BIOL 102* or BIOL 150* or BIOL 160* |
| [5]Arts and Humanities Elective* | 3 | |
| [2]Minor Requirement | 3 | |
| [3]STEM Electives | 4 | |
| **Term 8** | | |
| ANSC 495 | 1 | No milestones |
| [4]ANSC 48x | 3 | |
| [5]Cultures and Civilizations Elective* | 3 | |
| [2]Minor Requirement | 3 | |
| [6]Unrestricted Electives | 4-6 ~~7~~ | |

[2]A minor in Food and Agricultural Business, Business Administration, Communication Studies, Information Studies and Technology, Journalism and Electronic Media, or other discipline with approval of the Animal Science Undergraduate Committee is required. Requirements for the Business Administration minor are ACCT 200 (3); ECON 201* or ECON 211-213 (4-6); FINC 300 (3); MARK 300 (3); MGT 201 (3), MGT 300 (3); STAT 201* (3). Requirements for the Food and Agricultural Business minor are ACCT 200 (3); AREC 201* or ECON 201* or ECON 211, AREC 212, AREC 342, AREC 350, AREC 412 (16); and Agricultural and Resource Economics elective (3).

[3]STEM elective chosen from ANSC 420, ANSC 431, ANSC 481, ANSC 482, ANSC 483, ANSC 484, ANSC 485, ANSC 486, or ANSC 489 (after major requirements have been met and a maximum of two 48x classes may be taken to satisfy the STEM requirement); ANTH 110*, ANTH 117*; ASTR 151*, ASTR 152*, ASTR 153*, ASTR 154*, ASTR 217*, ASTR 218*; BAS (any); BCMB (any except BCMB 320); BIOL (any after major requirements are met); BME (any); BSE (221 and above); BSET (any); CBE (any); CE (210 and above); CHEM (any after major requirements are met); COSC (any); ECE (any); EEB (any); EF (any); EPP (any); ESS 210, ESS 334, ESS 424, ESS 434, ESS 442, ESS 444, ESS 454, ESS 462; FDST 241, FDST 410, FDST 415, FDST 418, FDST 419, FDST 421, FDST 428, FDST 429, FDST 441, FDST 445, FDST 461; FORS 214, FORS 215, FORS 217, FORS 331, FORS 333, FORS 337, FORS 414; FWF 212, FWF 250*, FWF 313, FWF 317, FWF 320, FWF 430; GEOG 131*, GEOG 132*, GEOG 137*; GEOL (any); IE (any); KNS 480; MATH (any above 110 after Quantitative Reasoning requirements are met); ME (any); MICR (any); MSE (201 and above); NE (any); NUTR 100*, NUTR 302, NUTR 311, NUTR 313, NUTR 314; PHYS (any); PLSC 210, PLSC 220, PLSC 250*, PLSC 330, PLSC 331, PLSC 348, PLSC 370, PLSC 410*, PLSC 415, PLSC 421, PLSC 434, PLSC 435, PLSC 438, PLSC 441, PLSC 442, PLSC 450, PLSC 452, PLSC 457, PLSC 461; PSYC 301, PSYC 370, PSYC 385, PSYC 445, PSYC 450, PSYC 459, PSYC 461; PUBH 202, PUBH 420; STAT (any); UNHO 287*, UNHO 288*; WFS (340 and above).

*Rationale:* 1) Included the new milestone of 2.0 GPA for all ANSC courses 160 or greater as outlined previously in Term 3. 2) Include the changes to ANSC 280 and new ANSC 281. 3) Allowed Econ requirement to be satisfied with ECON 211 to align with FAB minor. *Impact on other units:* 4) Included the new FWF 430 course as a STEM elective. *Impact on other units:* None. *Financial impact:* None.

**Animal Science Major, BS in Animal Science – Bioscience Concentration**

(Insert text below the uTrack statement.)
To remain in the major, students must maintain at least a 2.0 cumulative GPA in ANSC courses above ANSC 100 by the end of semester three.

*Rationale:* The revised milestone requirements will provide an early indicator for students and advisors that students may not have the skill set/practices to continue in animal science. This will either induce students to change practices and/or begin to search for alternative major and career opportunities. *Impact on other units:* None. *Financial impact:* None.

**Requirements for the Bachelor of Science in Animal Science, Animal Science Major – Bioscience Concentration**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| ANSC 100 | 1 | 2.0 cumulative GPA |
| ANSC 160 | 2 | |
| BIOL 101 or BIOL 150* or BIOL 158* | 3-4 ~~3~~ | |
| CHEM 120* or CHEM 128* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| [5]Social Sciences Elective* | 3 | |
| **Term 2** | | |
| BIOL 102 or BIOL 159* | 2-4 ~~2~~ | One General Education elective* |
| BIOL 160* or BIOL 168* | 3 | |
| CHEM 130* or CHEM 138* | 4 | |
| ENGL 102* | 3 | |
| [1,5]Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| ANSC 280, ANSC 281 | 4 ~~3~~ | ANSC 160 or ANSC 280 or ANSC 281 or Natural Sciences Elective* or Quantitative Reasoning Elective* |
| CMST 210*, CMST 217*, CMST 240*, CMST 247*, or ANSC 360* | 3 | 2.0 GPA in ANSC courses above 100 |
| [5]Cultures and Civilizations Elective* | 3 | |
| [1,5]Quantitative Reasoning Electives* | 3-4 | |
| [2]STEM Elective | 3 | |
| **Term 4** | | |
| ANSC 220 | 3 | Two additional General Education electives* |
| AREC 201* or ECON 201* or ECON 207* or ECON 211 | 4 | |
| [2]STEM Electives | 8 | |
| **Term 5** | | |
| ANSC 330 | 3 | ANSC 160 or ANSC 280 or ANSC 281 |
| ANSC 380 | 3 | BIOL 101* or BIOL 102* or BIOL 150* or BIOL 160* |
| ANSC 395 | 1 | |
| [2]STEM Electives | 4 | |
| [3]Business Elective | 3 | |
| **Term 8** | | |
| ANSC 495 | 1 | No milestones |
| [4]ANSC 48x | 3 | |
| [5]Arts and Humanities Elective* | 3 | |
| [6]Unrestricted Electives | 4-8 ~~7-9~~ | |
| **TOTAL** | **120** | |

[2]At least twelve ~~eight~~ hours of STEM electives must be upper division (300-400 level) courses or EEB 240 or BCMB 230. Choose from ANSC 420, ANSC 431, ANSC 481, ANSC 482, ANSC 483, ANSC 484, ANSC 485, ANSC 486, or ANSC 489 (after major requirement has been met, and a maximum of two 48x classes may be taken to satisfy the STEM elective requirement); ANTH 110*, ANTH 117*; ASTR 151*, ASTR 152*, ASTR 153*, ASTR 154*, ASTR 217*, ASTR 218*; BAS (any); BCMB (any except BCMB 320); BIOL (any after major requirements are met); BME (any); BSE (221 and above); BSET (any); CBE (any); CE (210 and above); CHEM (any after major requirements are met); COSC (any); ECE (any); EEB (any); EF (any); EPP (any); ESS 210, ESS 334, ESS 424, ESS 434, ESS 442, ESS 444, ESS 454, ESS 462; FDST 241, FDST 410, FDST 415, FDST 418, FDST 419, FDST 421, FDST 428, FDST 429, FDST 441, FDST 445, FDST 461; FORS 214, FORS 215, FORS 217, FORS 331, FORS 333, FORS 337, FORS 414; FWF 212, FWF 250*, FWF 313, FWF 317, FWF 320; GEOG 131*, GEOG 132*, GEOG 137*; GEOL (any); IE (any); KNS 480; MATH (any above 110 after Quantitative Reasoning requirements are met); ME (any) MICR (any); MSE (201 and above); NE (any); NUTR 100*, NUTR 302, NUTR 311, NUTR 313, NUTR 314; PHYS (any); PLSC 210, PLSC 220, PLSC 250*, PLSC 330, PLSC 331, PLSC 348, PLSC 370, PLSC 410*, PLSC 415, PLSC 421, PLSC 434, PLSC 435, PLSC 438, PLSC 441, PLSC 442, PLSC 450, PLSC 452, PLSC 457, PLSC 461; PSYC 301, PSYC 370, PSYC 385, PSYC 445, PSYC 450, PSYC 459, PSYC 461; PUBH 202, PUBH 420; STAT (any); UNHO 287*, UNHO 288*; WFS (340 and above).

[3]Business Electives chosen from ACCT 200, ACCT 207; AGNR 291, AGNR 292; ANSC 361; AREC 212, AREC 313 or above ~~AREC 315 and above~~; BULW 301; ECON (any course above 201); FDST 390; FINC 300; MARK 300; MGT 201, MGT 300.

*Rationale:* 1) ANSC 100 is an orientation course specific to the needs of our students and is required by our other concentrations. It was missed in 2015 catalog revisions. 2) In review of our course curriculum, we observed that the Bioscience concentration required

28 hr of upper level courses vs 32 or more for our other concentrations. To maintain a consistent level of rigor across our concentrations, we have increased the level of upper level STEM to 12 credit hours, bringing the total to 32 total for the concentration. Because of the rigor of EEB 240 (human anatomy) and BCMB 230 (human physiology) we have included these courses as contributing towards the upper level requirement. 3) Many of our freshman and transfer students will either have dual enrollment or AP credit for BIOL 101 and 102. By accepting this sequence, and maintaining the requirement for cell biology (BIOL 160) we can increase the ability of our students to progress towards graduation and meet requirements of professional schools. This also gives greater flexibility in placing students their freshman year, if BIOL 150 is not available. 4) Included the progression requirement of 2.0 GPA for all ANSC courses 160 or greater as outlined previously to all semesters. 5) Include the changes to ANSC 280 and new ANSC 281. *Impact on other units:* None. *Financial impact:* None.

**Requirements for the Bachelor of Science in Animal Science, Animal Science Major – Five-Year BS/MS Program**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| ANSC 100 | 1 | 2.0 cumulative GPA |
| ANSC 160 | 2 | 2.0 GPA in ANSC courses above 100 |
| BIOL 101* or BIOL 150* or BIOL 158* | 3-4 | |
| CHEM 120* or CHEM 128* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| [5]Social Sciences Elective* | 3 | |
| **Term 2** | | |
| BIOL 102* or BIOL 159* or BIOL 167* | 2-4 | One General Education elective* |
| BIOL 160* or BIOL 168* | 3 | |
| CHEM 130* or CHEM 138* | 4 | |
| ENGL 102* | 3 | |
| [1]Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| ANSC 280, ANSC 281 | 4 | ANSC 160 or ANSC 280 or ANSC 281 or Natural Sciences Elective* or Quantitative Reasoning Elective* |
| CMST 210* or CMST 217*, CMST 240* or CMST 247*, or ANSC 360* | 3 | |
| [5]Cultures and Civilizations Elective* | 3 | |
| [1]Quantitative Reasoning Electives* | 3-4 | |
| **Term 4** | | |
| ANSC 220 | 3 | Two additional General Education electives* |
| AREC 201* or ECON 201* or ECON 207* or ECON 211 | 4 | |
| [2]STEM Electives | 8 | |
| **Term 5** | | |
| ANSC 330 or ANSC 338 | 3 | ANSC 160 or ANSC 280 or ANSC 281 |
| ANSC 380 or ANSC 388 | 3 | BIOL 150* or BIOL 160* or BIOL 101* or BIOL 102* |
| ANSC 395 | 1 | |
| [2]STEM Electives | 4 | |
| [3]Business Elective | 3 | |
| **TOTAL** | **120** | |

[2]Science/Technology/Engineering/Mathematics (STEM) Electives. At least 8 hours upper division (300-400 level) courses. ANSC 420, ANSC 481, ANSC 482, ANSC 483, ANSC 484, ANSC 485, ANSC 486, or ANSC 489 (after major requirements have been met, and a maximum of two 48x classes may be taken to satisfy the STEM requirement); ANTH 110*, ANTH 117*; ASTR 151*, ASTR 152*, ASTR 153*, ASTR 154*, ASTR 217*, ASTR 218*; BAS (any); BCMB (any except BCMB 320); BIOL (any after major requirements are met); BME (any); BSE (221 and above); BSET (any); CBE (any); CE (210 and above); CHEM (any after major requirements are met); COSC (any); ECE (any); EEB (any); EF (any); EPP (any); ESS 210, ESS 334, ESS 424, ESS 434, ESS 442, ESS 444, ESS 454, ESS 462; FDST 241, FDST 410, FDST 415, FDST 418, FDST 419, FDST 421, FDST 428, FDST 429, FDST 441, FDST 445, FDST 461; FORS 214, FORS 215, FORS 217, FORS 331, FORS 333, FORS 337, FORS 414; FWF 212, FWF 250*, FWF 313, FWF 317, FWF 320, FWF 430; GEOG 131*, GEOG 132*, GEOG 137*; GEOL (any); IE (any); KNS 480; MATH (any above 110 after Quantitative Reasoning requirements are met); ME (any) MICR (any); MSE (201 and above); NE (any); NUTR 100*, NUTR 302, NUTR 311, NUTR 313, NUTR 314; PHYS (any); PLSC 210, PLSC 220, PLSC 250*, PLSC 330, PLSC 331, PLSC 348, PLSC 370, PLSC 410*, PLSC 415, PLSC 421, PLSC 434, PLSC 435, PLSC 438, PLSC 441, PLSC 442, PLSC 450, PLSC 452, PLSC 457, PLSC 461; PSYC 370, PSYC 385, PSYC 445, PSYC 450, PSYC 459, PSYC 461; PUBH 202, PUBH 420; STAT (any); UNHO 287*, UNHO 288*; WFS (340 and above).

[3]Business Electives: ACCT 200, ACCT 207; AGNR 291, AGNR 292; ANSC 361; AREC 212, AREC 313 or above ~~AREC 315 and above~~; BULW 301; ECON (any course above 201); FDST 390; FINC 300; MARK 300; MGT 201, MGT 300.

*Rationale:* 1) Many of our freshman and transfer students will either have dual enrollment or AP credit for BIOL 101 and 102. By accepting this sequence,and maintaining the requirement for cell biology (BIOL 160) we can increase the ability of our students to progress towards graduation and meet requirements of professional schools. This also gives greater flexibility in placing students

their freshman year, if BIOL 150 is not available. 2) Included the new milestone of 2.0 GPA for all ANSC courses 160 or greater as outlined previously in Term 3.3) Include the changes to ANSC 280 and new ANSC 281. 4) Allowed Econ requirement to be satisfied with ECON 311 to align with FAB minor. 5) Included FWF 430 as STEM elective. *Impact on other units:* None. *Financial impact:* None.

**Animal Science Major, BS in Animal Science – Pre-Veterinary Medicine 3+1 Concentration**

(Insert text below the uTrack statement.)
To remain in the Animal Science Pre-veterinary medicine concentration, students must maintain a 3.0 cumulative GPA and earn no less than a C grade in any animal science course above ANSC 100, BIOL 101*-102*-160* or 150*-159*-160*, and CHEM 120*-130*. If a student does not meet the milestone criteria, the student must meet with their advisor to discuss career paths and to consider potential alternative concentrations or majors.

*Rationale:* This will provide an early indicator for students and advisors that students may not have the skill set/practices to succeed in the Pre-Veterinary Medicine concentration. Entry into veterinary school is highly competitive and the rigor of this concentration reflects that. This change will induce students to change practices and/or begin to search for alternative major and career opportunities at an early stage in their undergraduate career. *Impact on other units:* None. *Financial impact:* None.

**Requirements for the Bachelor of Science in Animal Science – Animal Science Major – Pre-Veterinary Medicine 3+1 Concentration**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| ANSC 100 | 1 | 3.0 ~~2.0~~ cumulative GPA |
| ANSC 160 | 2 | 3.0 GPA in ANSC courses above 100, BIOL 101*-102*-160* or 150*-159*-160*, and CHEM 120*-130* |
| BIOL 101* or BIOL 150* or BIOL 158* | 3 | |
| CHEM 120* or CHEM 128* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| [1,3]Quantitative Reasoning Electives* | 3-4 | |
| **Term 2** | | |
| BIOL 102* or BIOL 159* | 2 | One General Education elective* |
| BIOL 160* or BIOL 168* | 3 | |
| CHEM 130* or CHEM 138* | 4 | |
| ENGL 102* | 3 | |
| [1,3]Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| ANSC 280, ANSC 281 | 4 | ANSC 160 or ANSC 280 or ANSC 281 or Natural Sciences Elective* or Quantitative Reasoning Elective* |
| [2]Biological Science Directed Electives | 4 | |
| CHEM 350 | 3 | |
| PHYS 221* | 4 | |
| [3]Social Sciences Elective* | 3 | |
| **Term 5** | | |
| ANSC 330 | 3 | ANSC 160 or ANSC 280 or ANSC 281 |
| ANSC 380 | 3 | BIOL 101* or BIOL 102* or BIOL 150* or BIOL 160* |
| ANSC 395 | 1 | |
| AREC 201* or ECON 201* or ECON 207* | 4 | |
| [3]Arts and Humanities Elective* | 3 | |
| [3]Cultures and Civilizations Elective* | 3 | |

*Rationale:* 1) Many of our freshman and transfer students will either have dual enrollment or AP credit for BIOL 101 and 102. By accepting this sequence,and maintaining the requirement for cell biology (BIOL 160) we can increase the ability of our students to progress towards graduation and meet requirements of professional schools. This also gives greater flexibility in placing students their freshman year, if BIOL 150 is not available. 2) Included the new milestone of 2.0 GPA for all ANSC courses 160 or greater as outlined previously in Term 3. 3) Include the changes to ANSC 280 and new ANSC 281. 4) Allowed Econ requirement to be satisfied with ECON 311 to align with FAB minor. *Impact on other units:* None. *Financial impact:* None.

**Animal Science Major, BS in Animal Science – Pre-Veterinary Medicine Concentration**

(Insert text below the uTrack statement.)
To remain in the Animal Science Pre-veterinary medicine concentration, students must maintain a 3.0 cumulative GPA and earn no less than a C grade in any animal science course above ANSC 100, BIOL 101*-102*-160* or 150*-159*-160*, and CHEM 120*-130*. If a student does not meet the milestone criteria, the student must meet with their advisor to discuss potential career paths and to consider alternative concentrations or majors.

*Rationale:* This will provide an early indicator for students and advisors that students may not have the skill set/practices to succeed in the Pre-Veterinary Medicine concentration. Entry into veterinary school is highly competitive and the rigor of this concentration reflects that. This change will induce students to change practices and/or begin to search for alternative major and career opportunities at an early stage in their undergraduate career. *Impact on other units:* None. *Financial impact:* None.

**Requirements for the Bachelor of Science in Animal Science – Animal Science Major – Pre-Veterinary Medicine Concentration**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| ANSC 100 | 1 | 3.0 ~~2.0~~ cumulative GPA |
| ANSC 160 | 2 | 3.0 GPA in ANSC courses above 100, BIOL 101*-102*-160* or 150*-159*-160*, and CHEM 120*-130* |
| BIOL 101* or BIOL 150* or BIOL 158* | 3-4 ~~3~~ | |
| CHEM 120* or CHEM 128* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| [5]Social Sciences Elective* | 3 | |
| **Term 2** | | |
| BIOL 102* or BIOL 159* | 2-4 ~~2~~ | One General Education elective* |
| BIOL 160* or BIOL 168* | 3 | |
| CHEM 130* or CHEM 138* | 4 | |
| ENGL 102* | 3 | |
| [1,5]Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| ANSC 280, ANSC 281 | 4 ~~3~~ | ANSC 160 or ANSC 280 or ANSC 281 or Natural Sciences Elective* or Quantitative Reasoning Elective* |
| CHEM 350 | 3 | |
| CMST 210*, CMST 217*, CMST 240*, CMST 247*, or ANSC 360* | 3 | |
| [5]Cultures and Civilizations Elective* | 3 | |
| [1,5]Quantitative Reasoning Electives* | 3-4 | |
| **Term 5** | | |
| ANSC 330 | 3 | ANSC 160 or ANSC 280 or ANSC 281 |
| ANSC 380 | 3 | BIOL 150* or BIOL 160* or BIOL 101* or BIOL 102* |
| ANSC 395 | 1 | |
| PHYS 221* | 4 | |
| [2]STEM Elective | 3 | |
| **Term 8** | | |
| [4]ANSC 48x | 3 | No milestones |
| [5]Arts and Humanities Elective* | 3 | |
| [2]STEM Elective | 3 | |
| [6]Unrestricted Electives | 1-6 ~~7~~ | |

[2] At least four hours of STEM electives must be from BIOL, EEB, BCMB or MICRO. Other STEM electives chosen from ANSC 420, ANSC 431, ANSC 481, ANSC 482, ANSC 483, ANSC 484, ANSC 485, ANSC 486, or ANSC 489 (after major requirement has been met, and a maximum of two 48x classes may be taken to satisfy the STEM elective requirement); ANTH 110*, ANTH 117*; ASTR 151*, ASTR 152*, ASTR 153*, ASTR 154*, ASTR 217*, ASTR 218*; BAS (any); BCMB (any except BCMB 320); BIOL (any after major requirements are met); BME (any); BSE (221 and above); BSET (any); CBE (any); CE (210 and above); CHEM (any after major requirements are met); COSC (any); ECE (any); EEB (any); EF (any); EPP (any); ESS 210, ESS 334, ESS 424, ESS 434, ESS 442, ESS 444, ESS 454, ESS 462; FDST 241, FDST 410, FDST 415, FDST 418, FDST 419, FDST 421, FDST 428, FDST 429, FDST 441, FDST 445, FDST 461; FORS 214, FORS 215, FORS 217, FORS 331, FORS 333, FORS 337, FORS 414; FWF 212, FWF 250*, FWF 313, FWF 317, FWF 320, FWF 430; GEOG 131*, GEOG 132*, GEOG 137*; GEOL (any); IE (any); KNS 480; MATH (any above 110 after Quantitative Reasoning requirements are met); ME (any) MICR (any); MSE (201 and above); NE (any); NUTR 100*, NUTR 302, NUTR 311, NUTR 313, NUTR 314; PHYS (any); PLSC 210, PLSC 220, PLSC 250*, PLSC 330, PLSC 331, PLSC 348, PLSC 370, PLSC 410*, PLSC 415, PLSC 421, PLSC 434, PLSC 435, PLSC 438, PLSC 441, PLSC 442, PLSC 450, PLSC 452, PLSC 457, PLSC 461; PSYC 301, PSYC 370, PSYC 385, PSYC 445, PSYC 450, PSYC 459, PSYC 461; PUBH 202, PUBH 420; STAT (any); UNHO 287*, UNHO 288*; WFS (340 and above).

[3]Business Electives chosen from ACCT 200, ACCT 207; AGNR 291, AGNR 292; ANSC 361; AREC 212, AREC 313 or above ~~AREC 315 and above~~; BULW 301; FDST 390; FINC 300; ECON (any course above 201); MARK 300; MGT 201, MGT 300; STAT 201* (if not used to satisfy Quantitative Reasoning or STEM requirement).

*Rationale:* 1) Many of our freshman and transfer students will either have dual enrollment or AP credit for BIOL 101 and 102. By accepting this sequence, and maintaining the requirement for cell biology (BIOL 160) we can increase the ability of our students to progress towards graduation and meet requirements of professional schools. This also gives greater flexibility in placing students their freshman year, if BIOL 150 is not available. 2) Included the new milestone of 2.0 GPA for all ANSC courses 160 or greater as outlined previously in Term 3. 3) Include the changes to ANSC 280 and new ANSC 281. 4) Allowed Econ requirement to be satisfied

with ECON 311 to align with FAB minor. 5) Included new FWF 430 as STEM elective. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF BIOSYSTEMS ENGINEERING AND SOIL SCIENCES**
**(BSE) Biosystems Engineering**

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Biosystems Engineering, Biosystems Engineering Major**

| **Term 5** | | |
|---|---|---|
| AE 341 or AE 347 | 3 | CBE 201 or COSC 102 or ME 202 or MSE 201 |
| ECE 301 | 3 | |
| ENGL 360* | 3 | |
| MATH 200 | 1 | |
| PHIL 244 | 3 | |
| STAT 251 or IE 200 | 3 | |

[2]Technical electives are generally upper-division courses with substantial rigor in science, technology, engineering, or math. The following courses are pre-approved, but other courses suggested by a student may be approved by the advisor on a case-by-case basis. Note that some of these courses ~~electives~~ have required prerequisites, and see ~~. See~~ individual course descriptions for specific information. BSE 525, BSE 543; BSET 345, BSET 355, BSET 414, BSET 432, BSET 434, BSET 452, BSET 462, BSET 474; CE 381, CE 430, CE 485; ~~CHEM 230, CHEM 310,~~ CHEM 350, CHEM 360; ENVE 511, ENVE 512, ENVE 513, ENVE 515, ENVE 516, ENVE 520, ENVE 525, ENVE 526, ENVE 527, ENVE 530, ENVE 532, ENVE 535, ENVE 574; ESS 334, ESS 434, ESS 442, ESS 444, ESS 454; GEOG 411; GEOL 485; IE 304; MATH 300, MATH 403, ~~MATH 405,~~ MATH 411, MATH 431; ME 363, ~~ME 365,~~ ME 366, ME 391, ME 405, ME 451, ME466~~, PHYS 232*~~.

*Rationale:* The material taught in IE 200 is very similar to that in STAT 251, and may be more appropriate as it is taught from more of an engineering perspective. *Impact on other units:* IE has expressed that they welcome our few students. *Response to assessment:* based on reducing the need for substitutions. *Financial impact:* none.
*Rationale:* The list has been expanded to include more of the classes that have been used as Technical Electives in recent years, thus reducing the need for substitutions. In addition, all lower division courses have been removed from the pre-approved list, thus addressing the University's desire to maintain a suitable number of Upper Division hours in the degree. Note that lower division courses meeting the "substantial rigor" requirement could still be used on a substitution basis. *Response to assessment:* based on reducing the need for substitutions. *Impact on other units:* none. *Financial impact:* none

**Requirements for the Bachelor of Science in Biosystems Engineering, Biosystems Engineering Major – Pre-Professional Concentration**

| **Term 5** | | |
|---|---|---|
| AE 341 or AE 347 | 3 | CBE 201 or COSC 102 or ME 202 or MSE 201 |
| ECE 301 | 3 | |
| ENGL 360* | 3 | |
| MATH 200 | 1 | |
| PHIL 244 | 3 | |
| STAT 251 or IE 200 | 3 | |

*Rationale:* The material taught in IE 200 is very similar to that in STAT 251, and may be more appropriate as it is taught from more of an engineering perspective. *Impact on other units:* IE has expressed that they welcome our few students. *Response to assessment:* based on reducing the need for substitutions. *Financial impact:* none.

**(ESS) Environmental and Soil Sciences**

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Environmental and Soil Sciences – Environmental and Soil Sciences Major – Agricultural Systems Technology Concentration**

| **Term 5** | | |
|---|---|---|
| AREC 350 ~~or AREC 355~~ | 3 | CHEM 130* |
| [2]Technical Elective | 3 | |
| EPP 313 | 3 | |
| PLSC 457 | 3 | |
| [2]Technical Elective | 2 | |

[2]Note that some electives have required prerequisites. See individual course descriptions for specific information. ALEC 450; ~~AREC 315,~~ AREC 342~~, AREC 355~~; BSET 202, BSET 452; EPP 410, EPP 425; ESS 442, ESS 444, ESS 462; IE 304, IE 423; MARK 300; MGT 201; PLSC 240, PLSC 410*, PLSC 430, PLSC 434, PLSC 435.

**Requirements for the Bachelor of Science in Environmental and Soil Sciences, Environmental and Soil Sciences Major – Conservation Agriculture and Environmental Sustainability Concentration**

[2] Note that some electives have required prerequisites. See individual course descriptions in the catalog for specific information. ACCT 200; AGNR 491, AGNR 497, AGNR 498; ALEC 440; ~~ANSC 220 , ANSC 280 , ANSC 320 , ANSC 330 , ANSC 380 ;~~Animal

Science (any course 200 or above); ANTH 415; Agriculture and Resource Economics (any course 200 or above); ~~BCMB 311, BCMB 321, BCMB 401, BCMB 402, BCMB 471, BCMB 481; BIOL 220, BIOL 229, BIOL 240, BIOL 260, BIOL 269;~~ Biochemistry and Molecular Biology (any course 200 or above); Biology (any course 200 or above); Biosystems Engineering (any course above 201); Biosystems Engineering Technology (any course 200 or above not required for the major); Business Analytics and Statistics (any course ~~above~~ 200 or above); ~~CHEM 230 , CHEM 310 , CHEM 319 , CHEM 320 , CHEM 329 , CHEM 360 , CHEM 369 , CHEM 430 , CHEM 439 , CHEM 471 , CHEM 481 ; EEB 240 , EEB 304 , EEB 305 , EEB 330 , EEB 370 , EEB 414 , EEB 421 , EEB 424 , EEB 433 , EEB 470 , EEB 474 , EEB 484 , EEB 495 ;~~ Chemical and Biomolecular Engineering (any course 200 or above); Civil Engineering (any course 200 or above); Chemistry (any course 200 or above); Computer Science (any course 200 or above); ECON 362; Ecology and Evolutionary Biology (any course 200 or above); Electrical and Computer Engineering (any course 200 or above); Engineering Fundamentals (any course); Entomology and Plant Pathology (any course); Entrepreneurship (any course); Environmental and Soil Sciences (any course not required for the major); ~~EPP 313 , EPP 321 ; FDST 421 , FDST 429 ; FORS 314 , FORS 321 *; FWF 250 *, FWF 312 *, FWF 313 , FWF 317 , FWF 320 , FWF 420 ; GEOG 101 *, GEOG 131 *, GEOG 132 *, GEOG 310 , GEOG 334 , GEOG 411 , GEOG 413 , GEOG 414 , GEOG 415 , GEOG 434 , GEOG 436 , GEOG 439 ; GEOL 102 *, GEOL 103 *, GEOL 201 *, GEOL 202 *, GEOL 203 *, GEOL 310 , GEOL 370 , GEOL 450 , GEOL 455 , GEOL 485 ; JREM 450 *, JREM 451 *; MICR 210 *, MICR 410 , MICR 411 , MICR 470 ; PHYS 222 *; PLSC 250 *, PLSC 415 , PLSC 434 , PLSC 435 , PLSC 457 , PLSC 461 ; POLS 200 , POLS 240 , POLS 330 , POLS 430 , POLS 431 , POLS 440 , POLS 442 , POLS 470 ; SOCI 360 , SOCI 465 ; Statistics (any course above 201)~~Food Science and Technology (any course above 201); Forestry (any course 200 or above); Forestry, Wildlife, and Fisheries (any course 200 or above); Geography (any course 131 or above); Geology (any course); Industrial Engineering (any course); Information Management (any course); Information Sciences (any course 200 or above); JREM 451; Mathematics (any course 200 or above); Mechanical Engineering (any course 200 or above); Microbiology (any course 200 or above); Materials Science and Engineering (any course 200 or above); Nuclear Engineering (any course 200 or above); Physics (any course 200 or above); Plant Sciences (any course 200 or above); PUBH 420; SOCI 360, SOCI 363, SOCI 465; Wildlife and Fisheries Science (any course 200 or above).

*Rationale:* The list has been expanded to include more of the classes that have been used as Technical Electives in recent years, thus reducing the need for substitutions. *Response to assessment:* based on reducing the need for substitutions. *Impact on other units:* minimal, as there are very few students in any one of these classes. *Financial impact:* none.

**Requirements for the Bachelor of Science in Environmental and Soil Sciences, Environmental and Soil Sciences Major – Environmental Science Concentration**

[2] Note that some electives have required prerequisites. See individual course descriptions in the catalog for specific information. ACCT 200; AGNR 491, AGNR 497, AGNR 498; ALEC 440; ~~ANSC 220 , ANSC 280 , ANSC 320 , ANSC 330 , ANSC 380 ;~~Animal Science (any course 200 or above); ANTH 415; Agriculture and Resource Economics (any course 200 or above); ~~BCMB 311 , BCMB 321 , BCMB 401 , BCMB 402 , BCMB 471 , BCMB 481 ;~~Biochemistry and Molecular Biology (any course 200 or above); Biology (any course 200 or above); Biosystems Engineering (any course above 201); Biosystems Engineering Technology (any course 200 or above not required for the major); Business Analytics and Statistics (any course 200 or above); ~~CHEM 230 , CHEM 310 , CHEM 319 , CHEM 320 , CHEM 329 , CHEM 360 , CHEM 369 , CHEM 430 , CHEM 439 , CHEM 471 , CHEM 481 ; EEB 240 , EEB 304 , EEB 305 , EEB 330 , EEB 370 , EEB 414 , EEB 421 , EEB 424 , EEB 433 , EEB 470 , EEB 474 , EEB 484 , EEB 495 ;~~ Chemical and Biomolecular Engineering (any course 200 or above); Civil Engineering (any course 200 or above); Chemistry (any course 200 or above); Computer Science (any course 200 or above); Electrical and Computer Engineering (any course 200 or above); ECON 362; Ecology and Evolutionary Biology (any course 200 or above); Engineering Fundamentals (any course); Entrepreneurship (any course); Entomology and Plant Pathology (any course); Environmental and Soil Sciences (any course not required for the major); ~~EPP 313 , EPP 321 ; FDST 421 , FDST 429 ; FORS 314 , FORS 321 *; FWF 250 *, FWF 312 *, FWF 313 , FWF 317 , FWF 320 , FWF 420 ; GEOG 101 *, GEOG 131 *, GEOG 132 *, GEOG 310 , GEOG 334 , GEOG 411 , GEOG 413 , GEOG 414 , GEOG 415 , GEOG 434 , GEOG 436 , GEOG 439 ; GEOL 102 *, GEOL 103 *, GEOL 201 *, GEOL 202 *, GEOL 203 *, GEOL 310 , GEOL 370 , GEOL 450 , GEOL 455 , GEOL 485 ; JREM 450 *, JREM 451 *; MICR 210 *, MICR 410 , MICR 411 , MICR 470 ; PHYS 222 *; PLSC 250 *, PLSC 415 , PLSC 434 , PLSC 435 , PLSC 457 , PLSC 461 ; POLS 200 , POLS 240 , POLS 330 , POLS 430 , POLS 431 , POLS 440 , POLS 442 , POLS 470 ; SOCI 360 , SOCI 465 ; Statistics (any course above 201)~~Food Science and Technology (any course above 201); Forestry (any course 200 or above); Forestry, Wildlife, and Fisheries (any course 200 or above); Geography (any course 131 or above); Geology (any course); Industrial Engineering (any course); Information Management (any course); Information Science (any course 200 or above); JREM 451; Mathematics (any course 200 or above); Mechanical engineering (any course 200 or above); Microbiology (any course 200 or above); Materials Science and Engineering (any course 200 or above); Nuclear Engineering (any course 200 or above); Physics (any course 200 or above); Plant Sciences (any course 200 or above); PUBH 420; SOC 360;, SOC 363, SOC 465; Wildlife and Fisheries Science (any course 200 or above).

*Rationale:* The list has been expanded to include more of the classes that have been used as Technical Electives in recent years, thus reducing the need for substitutions. *Response to assessment:* based on reducing the need for substitutions. *Impact on other units:* minimal, as there are very few students in any one of these classes. *Financial impact:* none.

**Requirements for the Bachelor of Science in Environmental and Soil Sciences, Environmental and Soil Sciences Major – Soil Science Concentration**

[2] Note that some electives have required prerequisites. See individual course descriptions in the catalog for specific information. ACCT 200; AGNR 491, AGNR 497, AGNR 498; ALEC 440; ~~ANSC 220 , ANSC 280 , ANSC 320 , ANSC 330 , ANSC 380 ;~~Animal Science (any course 200 or above); ANTH 415; Agriculture and Resource Economics (any course 200 or above); ~~BCMB 311 , BCMB 321 , BCMB 401 , BCMB 402 , BCMB 471 , BCMB 481 ;~~Biochemistry and Molecular Biology (any course 200 or above); Biology (any course 200 or above); Biosystems Engineering (any course above 201); Biosystems Engineering Technology (any course 200 or above not required for the major); Business Analytics and Statistics (any course 200 or above); ~~CHEM 230 , CHEM~~

~~310 , CHEM 319 , CHEM 320 , CHEM 329 , CHEM 360 , CHEM 369 , CHEM 430 , CHEM 439 , CHEM 471 , CHEM 481 ; EEB 240 , EEB 304 , EEB 305 , EEB 330 , EEB 370 , EEB 414 , EEB 421 , EEB 424 , EEB 433 , EEB 470 , EEB 474 , EEB 484 , EEB 495 ;~~ Chemical and Biomolecular Engineering (any course 200 or above); Civil Engineering (any course 200 or above); Chemistry (any course 200 or above); Computer Science (any course 200 or above); Electrical and Computer Engineering (any course 200 or above); ECON 362; Ecology and Evolutionary Biology (any course 200 or above); Engineering Fundamentals (any course); Entrepreneurship (any course); Entomology and Plant Pathology (any course); Environmental and Soil Sciences (any course not required for the major); ~~EPP 313 , EPP 321 ; FDST 421 , FDST 429 ; FORS 314 , FORS 321 *; FWF 250 *, FWF 312 *, FWF 313 , FWF 317 , FWF 320 , FWF 420 ; GEOG 101 *, GEOG 131 *, GEOG 132 *, GEOG 310 , GEOG 334 , GEOG 411 , GEOG 413 , GEOG 414 , GEOG 415 , GEOG 434 , GEOG 436 , GEOG 439 ; GEOL 102 *, GEOL 103 *, GEOL 201 *, GEOL 202 *, GEOL 203 *, GEOL 310 , GEOL 370 , GEOL 450 , GEOL 455 , GEOL 485 ; JREM 450 *, JREM 451 *; MICR 210 *, MICR 410 , MICR 411 , MICR 470 ; PHYS 222 *; PLSC 250 *, PLSC 415 , PLSC 434 , PLSC 435 , PLSC 457 , PLSC 461 ; POLS 200 , POLS 240 , POLS 330 , POLS 430 , POLS 431 , POLS 440 , POLS 442 , POLS 470 ; SOCI 360 , SOCI 465 ; Statistics (any course above 201)~~Food Science and Technology (any course above 201); Forestry (any course 200 or above); Forestry, Wildlife, and Fisheries (any course 200 or above); Geography (any course 131 or above); Geology (any course); Industrial Engineering (any course); Information Management (any course); Information Science (any course 200 or above); JREM 451; Mathematics (any course 200 or above); Mechanical engineering (any course 200 or above); Microbiology (any course 200 or above); Materials Science and Engineering (any course 200 or above); Nuclear Engineering (any course 200 or above); Physics (any course 200 or above); Plant Sciences (any course 200 or above); PUBH 420; SOC 360;, SOC 363, SOC 465; Wildlife and Fisheries Science (any course 200 or above).

*Rationale:* The list has been expanded to include more of the classes that have been used as Technical Electives in recent years, thus reducing the need for substitutions. *Response to assessment:* based on reducing the need for substitutions. *Impact on other units:* minimal, as there are very few students in any one of these classes. *Financial impact:* none.

**Requirements for the Bachelor of Science in Environmental and Soil Sciences, Environmental and Soil Sciences Major – Off-Road Vehicle Technology Concentration**

[3]Chosen from the following list or from alternatives after consultation with advisor. Note that some electives have required prerequisites. See individual course descriptions for specific information. ALEC 441; AREC 444, AREC 470; ECON 362; EEB 404; FORS 422; FWF 313, FWF 317, FWF 416; GEOG 413, GEOG 433, GEOG 454; IE 300, IE 304, IE423; MSE 201, MSE 302, MSE 390, MSE 421; MGT 201, MGT 300; PHIL 346; PHYS 222, or other technical courses chosen with approval of academic advisor.

*Rationale:* The list has been expanded to include more of the classes that have been used as Technical Electives in recent years, thus reducing the need for substitutions. *Impact on other units:* insignificant, as we are dealing with such low student numbers. *Response to assessment:* based on reducing the need for substitutions. *Financial impact:* none.

**DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY**
**(FDST) Food Science and Technology**

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Food Science and Technology Major, Food Science and Technology Major – Five-Year BS/MS Program**

[1]Chosen from BIOL 101*, BIOL 102*, ~~BIOL 111*, BIOL 112*,~~ BIOL 150*-BIOL 159* or BIOL 158*-BIOL 167*.

*Rationale:* BIOL 111 and 112 are being dropped by the providing discipline, remaining BIOL courses are more appropriate for students in Food Science and Technology than replacement courses.

◈ **DROP PRE-PHARMACY 3+1 CONCENTRATION**
◈ **DROP PRE-PHARMACY CONCENTRATION**

*Rationale:* Recent and future changes in the UT College of Pharmacy admission requirements make these concentrations inaccurate. We are now using a single "Pre-professional" concentration for all pre-professional students which accommodates all students regardless of the professional school they choose.

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Food Science, Food Science and Technology Major – Pre-Professional 3+1 Concentration**

| | | |
|---|---|---|
| **Term 5** | | |
| FDST 421 or FDST 428 | 3 | FDST 241 |
| FDST 429 | 2 | |
| MATH 115* or MATH 142*or STAT 201* or STAT 207* | 3-4 ~~3~~ | |
| [3]Directed Pre-Professional Electives | 8 | |
| **Term 6** | | |
| [2]Arts and Humanities Elective* | 3 | No milestones |
| [2]Cultures and Civilizations Elective* | 3 | |

| | | |
|---|---|---|
| [3]Directed Pre-Professional Electives | 7 | |
| FDST 410 or FDST 418; and FDST 419 | 5 ~~4~~ | |

*Rationale* for Term 5 change: MATH 142 is an acceptable second quantitative reasoning elective for students who have already completed MATH 141. This change also makes it more accommodating for students transferring from Arts and Sciences who have already completed the MATH 141-142 sequence. For Term 6 Change: FDST 410 (and 418) is being changed to 3 credit hours due to the addition of a required lab, which is 1 credit hour.

**Requirements for the Bachelor of Science in Food Science, Food Science and Technology Major – Pre-Professional Concentration**

| | | |
|---|---|---|
| **Term 5** | | |
| [3]Arts and Humanities Elective* | 3 | FDST 241 |
| CHEM 360, CHEM 369 | 5 | MATH 125* or MATH 141* |
| [4]Directed Pre-Professional Electives | 4 | |
| MATH 115* or MATH 142*or STAT 201* or STAT 207* | 3-4 ~~3~~ | |
| **Term 6** | | |
| [3]Communicating through Writing Elective* | 3 | No milestones |
| [4]Directed Pre-Professional Electives | 4 | |
| FDST 410 or FDST 418; and FDST 419 | 5 ~~4~~ | |
| BIOL 220 and BIOL 229 or MICR 210* | 3-4 | |

*Rationale* for Term 5 change: MATH 142 is an acceptable second quantitative reasoning elective for students who have already completed MATH 141. This change also makes it more accommodating for students transferring from Arts and Sciences who have already completed the MATH 141-142 sequence. For Term 6 Change: FDST 410 (and 418) is being changed to 3 credit hours due to the addition of a required lab, which is 1 credit hour.

**Requirements for the Bachelor of Science in Food Science, Food Science and Technology Major – Science Concentration**

| | | |
|---|---|---|
| **Term 3** | | |
| [4]Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective | 3 | 2.0 cumulative GPA |
| CHEM 130* or CHEM 138* | 4 | CHEM 100* or CHEM 120* |
| FDST 241 | 3 | One Quantitative Reasoning Elective* |
| MATH 115*, MATH 142*, MATH 152*, STAT 201*, or STAT 207* | 3-4 ~~3~~ | |
| MICR 210* or BIOL 220 and 229 | 3-4 ~~3~~ | |
| **Term 6** | | |
| [4]Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective | 3 | No milestones |
| BCMB 230 or BCME 311 or BCMB 401 or NUTR 311 | 3-5 | |
| [4]Communicating through Writing Elective* | 3 | |
| FDST 410 or FDST 418; and FDST 419 | 5 ~~4~~ | |

[1]Chosen from BIOL 101*, BIOL 102*, ~~BIOL 111*, BIOL 112*,~~ BIOL 150-BIOL 159* or BIOL 158-BIOL 167.

*Rationale* for Term 3 change: MATH 142 is an acceptable second quantitative reasoning elective for students who have already completed MATH 141. This change also makes it more accommodating for students transferring from Arts and Sciences who have already completed the MATH 141-142 sequence. For Term 3 change: While MICR 210 is our recommended course for general microbiology, BIOL 220 and 229 (General Microbiology and lab) are also acceptable. For Term 6 change: NUTR 311 (Physiological Chemistry) is an acceptable course in biochemistry for this concentration. For Term 6 Change: FDST 410 (and 418) is being changed to 3 credit hours due to the addition of a required lab, which is 1 credit hour. BIOL 111 and 112 are being dropped by the providing discipline, remaining BIOL courses are more appropriate for students in Food Science and Technology than replacement courses.

**Requirements for the Bachelor of Science in Food Science, Food Science and Technology Major – Technology Concentration**

| | | |
|---|---|---|
| **Term 2** | | |
| [2]Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective | 3 | 2.0 cumulative GPA |
| [4] CHEM 100* or [5] CHEM 120* or [5]CHEM 128* | 4 | ENGL 101* |
| ENGL 102* | 3 | One Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective |
| [2]FDST 150* or other Cultures and Civilizations Elective* | 3 | |
| [6] ~~4~~ Technology Directed Elective | 3 | |
| **Term 3** | | |
| [2]Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective | 3 | 2.0 cumulative GPA |
| [5] CHEM 130* or CHEM 138* or [6]Technology Directed | 3-4 ~~4~~ | CHEM 100* or CHEM 120* |

| | | |
|---|---|---|
| Electives[6] | | |
| FDST 241 | 3 | One Quantitative Reasoning Elective |
| [2]Quantitative Reasoning Elective* (MATH 115* or STAT 201* or STAT 207* recommended) | 3 | |
| [6-4] Technology Directed Elective | 3 | |
| **Term 6** | | |
| [2]Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective | 3 | No milestones |
| FDST 410~~,~~ or 418 and FDST 419 and FDST 430 | 7 | |
| [6-4] Technology Directed Elective | 3 | |
| **Term 7** | | |
| FDST 401, FDST 421, FDST 429, FDST 493 | 9 | Apply to graduate |
| FDST 415 or FDST 441 | 3-4 | |
| [6-4] Technology Directed Elective | 3 | |
| **Term 8** | | |
| FDST 445, FDST 495 | 6 | No milestones |
| [6-4] Technology Directed Elective | 3 | |
| [3]Unrestricted Electives | 7 | |

[1]Chosen from BIOL 101*, BIOL 102*, ~~BIOL 111*, BIOL 112*,~~ BIOL 150*-BIOL 159*or BIOL 158*-BIOL 167*.

[4]If CHEM 100 is taken, take a Technology Directed Elective6 during Term 3. ~~ACCT 200, ACCT 207; ADVT 250; Agricultural Leadership, Education and Communications (any course); Agriculture and Natural Resources (any course); Agricultural and Resource Economics (any course); Animal Science (any course); BCMB (any course); BIOL (any course); Biosystems Engineering (any course); CCI 150; CHEM (any course except for CHEM 100*, CHEM 120*, or CHEM 350); CMST 201; ECON 201*; EEB 240; Entomology and Plant Pathology (any course); Environmental and Soil Sciences (any course); Food Science and Technology (any nonrequired course) (limit 3 hours for FDST 493); FINC 300; Forestry, Wildlife and Fisheries (any course); HRT (any course); INSC 102; JREM 175, JREM 200*; MARK 300; MGT 201, MGT 300; Microbiology (any course except MICR 210* or MICR 421); Nutrition (any course above 100); PBRL 270; PHYS 101*, PHYS 102*, PHYS 221* or PHYS 222*; Plant Sciences (any course); PUBH 430; STAT 201*, or STAT 207*.~~

[5]If CHEM 120 or 128 is taken, CHEM 130 or 138 must be taken instead of a Technology Directed Elective.

[6]ACCT 200, ACCT 207; ADVT 250; Agricultural Leadership, Education and Communications (any course); Agriculture and Natural Resources (any course); Agricultural and Resource Economics (any course); Animal Science (any course); BCMB (any course); BIOL (any course); Biosystems Engineering (any course); CCI 150; CHEM (any course except for CHEM 100*, CHEM 120*, or CHEM 350); CMST 201; ECON 201*; EEB 240; Entomology and Plant Pathology (any course); Environmental and Soil Sciences (any course); Food Science and Technology (any nonrequired course) (limit 3 hours for FDST 493); FINC 300; Forestry, Wildlife and Fisheries (any course); HRT (any course); INSC 102; JREM 175, JREM 200*; MARK 300; MGT 201, MGT 300; Microbiology (any course except MICR 210* or MICR 421); Nutrition (any course above 100); PBRL 270; PHYS 101*, PHYS 102*, PHYS 221* or PHYS 222*; Plant Sciences (any course); PUBH 430; STAT 201*, or STAT 207*.

*Rationale* for Term 2 and 3 changes (footnotes): Clarifies an issue with DARS regarding the requirement to complete CHEM 130 or 138 IF CHEM 120 or 128 is taken during Term 2. For Term 6 change: FDST 418 is the honors section of 410 and is available for students in this concentration; FDST 419, Food Chemistry lab is being added as a required course; 410/418 are 3 credit hours, 419 is 1 credit hour. Biol 111 and 112 are being dropped by the providing discipline, remaining BIOL courses are more appropriate for students in Food Science and Technology than replacement courses.

**DEPARTMENT OF FORESTRY, WILDLIFE AND FISHERIES**
**(FORS) Forestry**

**REVISE TEXT**

(on main department page)
**Core Courses**

**Forestry**

Two courses in first year composition (ENGL 101* and ENGL 102* or equivalent); calculus (MATH 125* or equivalent); general chemistry (CHEM 100* or equivalent); two courses in general botany (BIOL ~~111*~~ 113* and BIOL ~~112*~~ 114* and 115 or equivalent); general economics (ECON 201* or equivalent); public speaking (CMST 210* or CMST 240* or equivalent); statistics (STAT 201* or equivalent); ecology (FORS 215 or BIOL 260/BIOL 269 or equivalent).

*Rationale:* Reflect changes in Biology course offerings. *Impact on other units:* None. *Financial impact:* None.

**REVISE REQUIREMENTS**

Requirements for the Bachelor of Science in Forestry, Forestry Major - Forest Resources Management Concentration

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| BIOL 113* and BIOL 115* ~~111*~~ | 5 ~~4~~ | 2.0 cumulative GPA |
| CHEM 100* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| FORS 100 | 3 | |
| **Term 2** | | |
| BIOL 114* ~~112*~~ | 3 ~~4~~ | 2.0 cumulative GPA |

| | | |
|---|---|---|
| ENGL 102* | 3 | One general education elective* |
| MATH 125* | 3 | |
| [1]Social Sciences Elective* | 3 | |
| [2]Unrestricted Elective | 3 | |
| **Term 4** | | |
| AREC 201* or ECON 201* | 4 | 2.0 cumulative GPA |
| BSET 326 or FWF 430 or GEOG 411 | 3 | One additional general education elective* |
| [3]Cultures and Civilizations Elective* | 3 | |
| FORS 215 | 3 | |
| MATH 115* or STAT 201* or STAT 207* | 3 | |
| **Term 5** | | |
| EPP 411 | 3 | 2.0 cumulative GPA |
| FORS 321* or FORS 327*; and FORS 331 or FORS 337 | 5 | One additional general education elective* |
| FWF 317~~,~~ and FWF 320 or FWF 420 or SOCI 360 or SOCI 465 | 6 | |

*Rationale:* The changes were made to allow students more flexibility to meet requirements by offering more elective courses. *Impact on other units:* Minimal, although the changes will increase enrollment in some of the elective courses listed. *Financial impact:* None.

Requirements for the Bachelor of Science in Forestry, Forestry Major – Restoration and Conservation Science Concentration

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| BIOL 101* or BIOL 113* and BIOL 115 ~~111*~~ or BIOL 150/BIOL 159* | 4-5 | 2.0 cumulative GPA |
| ENGL 101* or ENGL 118* | 3 | |
| FORS 100 | 3 | |
| CHEM 100* or CHEM 120* or CHEM 128* | 4 | |
| **Term 3** | | |
| CMST 210*, CMST 217*, CMST 240*, or CMST 247* | 3 | 2.0 cumulative GPA |
| [1]Cultures and Civilizations Elective* | 3 | One additional general education elective* |
| ESS 210 | 4 | |
| BIOL ~~112*~~ 114* or FORS 214 or FORS 217 | 3 | |
| FWF 212 | 3 | |
| **Term 4** | | |
| AREC 201* or ECON 201* or ECON 207* | 4 | 2.0 cumulative GPA |
| FORS 215 or BIOL 260/BIOL 269 | 3-4 | One additional general education elective* |
| [1]Arts and Humanities Elective* | 3 | |
| MATH 115* or STAT 201* or STAT 207* | 3 | |
| [1]Social Sciences Elective* | 3 | |
| **Term 5** | | |
| [3,4]Technical Elective | 3 | 2.0 cumulative GPA |
| EEB 330 or FWF 325 | 3 | One additional general education elective* |
| GEOL 454 | 3 | |
| FWF 317~~,~~ and FWF 320 or FWF 420 or SOCI 360 or SOCI 465 | 6 | |
| **Term 8** | | |
| [3,4]Technical Elective | 2 | No milestones |
| BSET 326 or FWF 430 or GEOG 411 | 3 | |
| FORS 422 | 3 | |
| FWF 416 | 3 | |
| [5]Communications Elective | 3 | |
| **TOTAL** | **120** | |

[3] Chosen from AGNR 491; ~~AREC 315;~~ BSET 355, BSET 474; ECON 362; EEB 353, EEB 404, EEB 415, EEB 421, EEB 426, EEB 433, EEB 470, EEB 474, EEB 484; ESS 454, ESS 462; FORS 314, FORS 321, FORS 335, FORS 423, FORS 433; FWF 420, FWF 499; GEOG 439; GEOL 201, GEOL 450; PLSC 280, PLSC 350, PLSC 421, PLSC 460; SOCI 360; WFS 433, WFS 443, WFS 445. Of these, at least 6 credits must be at the 300 level or above. A maximum of 3 credits is allowed for FWF 499. Note that some of these courses have prerequisites.

[4] Students may choose to group their 7-9 hours of technical electives in a particular area such as Wildlife Habitat (chosen from EEB 353, EEB 404, EEB 426; WFS 433, WFS 445); Watershed Conservation (chosen from ~~AREC 315;~~ BSET 474; EEB 404, EEB 470, EEB 474; ESS 462, GEOL 450; SOCI 360; WFS 433, WFS 443); Ecosystem Construction (chosen from BSET 355; PLSC 280, PLSC 350, PLSC 421, PLSC 460); or Ecology and Biodiversity (chosen from EEB 404, EEB 415, EEB 421, EEB 433, EEB 470, EEB 484; ESS 454; GEOG 413, GEOG 435, GEOG 439; GEOL 201; WFS 433, WFS 445).

*Rationale:* The changes were made to allow students more flexibility to meet requirements by offering more elective courses. *Impact*

*on other units:* Minimal, although the changes will increase enrollment in some of the elective courses listed. *Financial impact:* None.

Requirements for the Bachelor of Science in Forestry, Forestry Major – Urban Forestry Concentration

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| BIOL ~~111*~~ 113* | 3 ~~4~~ | 2.0 cumulative GPA |
| CHEM 100* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| FORS 100 | 3 | |
| PLSC 226 | 3 | |
| **Term 2** | | |
| [1]Arts and Humanities Elective* | 3 | 2.0 cumulative GPA |
| BIOL ~~112*~~ 114*, BIOL 115* | 5 ~~4~~ | One general education elective* |
| ENGL 102* | 3 | |
| MATH 125* | 3 | |
| [2]Social Sciences Elective* | 3 | |
| **Term 4** | | |
| AREC 201* or ECON 201* or ECON 207* | 4 | 2.0 cumulative GPA |
| BIOL 260-BIOL 269 or FORS 215 | 3-4 | One additional general education elective* |
| PLSC 280 | 3 | |
| MATH 115* or STAT 201* or STAT 207* | 3 | |
| **Term 5** | | |
| [1]Arts and Humanities Elective* | 3 | 2.0 cumulative GPA |
| EPP 411 | 3 | One additional general education elective* |
| FORS 321* or FORS 327* | 3 | |
| FWF 317~~,~~ and FWF 320 or FWF 420 or SOCI 360 or SOCI 465 | 6 | |
| **Term 6** | | |
| BSET 326 or FWF 430 or GEOG 411 | 3 | No milestones |
| [1]Cultures and Civilizations Elective* | 3 | |
| FORS 314 or FORS 317 | 2 | |
| FORS 335 | 3 | |
| FWF 312*, FWF 313 | 6 | |

*Rationale:* The changes were made to allow students more flexibility to meet requirements by offering more elective courses. *Impact on other units:* Minimal, although the changes will increase enrollment in some of the elective courses listed. *Financial impact:* None.

Requirements for the Bachelor of Science in Forestry, Forestry Major – Wildland Recreation Concentration

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| [1]Arts and Humanities or Cultures and Civilizations Elective* | 3 | 2.0 cumulative GPA |
| BIOL 101* or BIOL 113* and BIOL 115* ~~111*~~ or BIOL 150*-BIOL 159* or BIOL 158*-BIOL 167* | 4-5 | |
| ENGL 101* or ENGL 118* | 3 | |
| FORS 100 | 3 | |
| [2]Unrestricted Elective (AGNR 291/AGNR 292 or GEOL 203 recommended) | 2-3 | |
| **Term 2** | | |
| BIOL 102* or BIOL 114* ~~112~~ or BIOL 160* or BIOL 168* | 3-4 | 2.0 cumulative GPA |
| CHEM 100* or CHEM 120* or CHEM 128* | 4 | One general education elective* |
| ENGL 102* | 3 | |
| MATH 125* | 3 | |
| [3]Social Sciences Elective* | 3 | |
| **Term 5** | | |
| FORS 321* or FORS 327* | 3 | 2.0 cumulative GPA |
| FWF 317~~,~~ and FWF 320 or FWF 420 or SOC 360 or SOC 465 | 6 | One additional general education elective* |
| [5]GIS Electives | 3-4 | |
| [6]Plant Sciences Elective | 2-3 | |

[5] GIS elective chosen from AGNR 291 and AGNR 292; BSET 326; FWF 430; GEOG 310, GEOG 411, GEOG 413, or a related Geographic Information Systems (GIS) course.

*Rationale:* The changes were made to allow students more flexibility to meet requirements by offering more elective courses. *Impact*

*on other units:* Minimal, although the changes will increase enrollment in some of the elective courses listed. *Financial impact:* None.

**(WFS) Wildlife and Fisheries Science**

**Requirements for the Bachelor of Science in Wildlife and Fisheries Science, Wildlife and Fisheries Science Major – Wildlife and Fisheries Management Concentration**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| [1]Arts and Humanities or Cultures and Civilizations Elective* | 6 | 2.0 cumulative GPA |
| BIOL 150* or BIOL 158* | 3 | |
| ENGL 101* or ENGL 118* | 3 | |
| WFS 100 or WFS 101 | 1 ~~2~~ | |
| **Term 2** | | |
| [1]CHEM 120* or CHEM 128* | 4 | 2.0 cumulative GPA |
| BIOL 159* or BIOL 167* and BIOL 160* or BIOL 168* | 5 | One general education elective* |
| ENGL 102* | 3 | |
| FWF 250* | 3 | |
| **Term 3** | | |
| BSET 326 or GEOG 310 or GEOG 411 or GEOG 413 or FWF 430 | 3 | 2.0 cumulative GPA |
| ENGL 295* or ENGL 360* | 3 | One additional general education elective* |
| ESS 210 | 4 | |
| FWF 212 | 3 | |
| MATH 125* | 3 | |
| **Term 4** | | |
| ANSC 220 or BCMB 230 or EEB 353 or WFS 431 or WFS 450 | 3 | 2.0 cumulative GPA |
| AREC 201* or ECON 201* or ECON 207* | 4 | One additional general education elective* |
| BIOL 260 or FORS 215 | 2-3 | |
| ALEC 240 or CMST 210*~~,~~ or CMST 217*~~,~~ or CMST 240* or CMST 247* | 3 | |
| MATH 115* or STAT 201* or STAT 207* | 3 | |
| **Term 5** | | |
| [1]Social Sciences Elective* | 3 | 2.0 cumulative GPA |
| EEB 474 | 4 | One additional general education elective* |
| EEB 330 or EEB 414 or EEB 424 or EEB 426 or EEB 433 or EEB 463 or FWF 325 or PLSC 421 | 3-4 ~~3~~ | |
| EEB 470 or ESS 424 or ESS 462 or GEOL 459 or GEOL 485 ~~EEB 424 or WFS 433~~ | 3 | |
| FWF 317 | 3 | |
| **Term 6** | | |
| FWF 310, FWF 312*, FWF 313 | 7 | No milestones |
| [1]Arts and Humanities or Cultures and Civilizations Elective* | 3 | |
| Select two of the following: WFS 433, WFS 444, WFS 445 | 6 | |
| **Term 7** | | |
| FWF 415 | 2 | Apply to graduate |
| WFS 305, WFS 324, WFS 340, WFS 350, WFS 440, WFS 442 ~~452~~ | 12 | |
| **Term 8** | | |
| [1]Arts and Humanities or Cultures and Civilizations Elective* | 3 | No milestones |
| FORS 422 or FWF 320 or FWF 420 or SOC 360 or SOC 465 ~~FWF 321~~ | 3 | |
| FWF 416 | 3 | |
| [2]Science Elective | 2 | |
| WFS 443 or WFS 452 ~~WFS 461~~ | 3 ~~4~~ | |
| WFS 461 | 1 | |
| **TOTAL** | **120-122** ~~**121-122**~~ | |

*Rationale:* The changes were made to allow students more flexibility to meet requirements by offering more elective courses. *Impact*

*on other units:* Minimal, although the changes will increase enrollment in some of the elective courses listed. *Financial impact:* None.

Requirements for the Bachelor of Science in Wildlife and Fisheries Science, Wildlife and Fisheries Science Major – Wildlife Health Concentration

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| BIOL 150* or BIOL 158* | 3 | 2.0 cumulative GPA |
| MATH 125* ~~CHEM 120* or CHEM 128*~~ | 3 ~~4~~ | |
| ENGL 101* or ENGL 118* | 3 | |
| [1]Arts and Humanities or Cultures and Civilizations Electives* | 3 | |
| WFS 101 | 1 | |
| WFS 100 | 1 | |
| **Term 2** | | |
| BIOL 160* or BIOL 168*, BIOL 159* | 5 | 2.0 cumulative GPA |
| CHEM 120* or CHEM 128* ~~CHEM 130* or CHEM 138*~~ | 4 | One general education course ~~elective~~* |
| ENGL 102* | 3 | |
| FWF 250* | 3 | |
| **Term 3** | | |
| ANSC 220 ~~BIOL 240~~ | 3 | 2.0 cumulative GPA |
| CHEM 130* or CHEM 138* ~~CHEM 350~~ | 4 ~~3~~ | One additional general education course ~~elective~~* |
| FWF 317 | 3 | |
| [1]Arts and Humanities or Cultures and Civilizations Electives* | 3 | |
| ~~MATH 125*~~ | ~~3~~ | |
| **Term 4** | | |
| ANSC 340 or BIOL 240 ~~ANSC 220~~ | 3-4 ~~3~~ | 2.0 cumulative GPA |
| BIOL 260, BIOL 269 | 4 | One additional general education course ~~elective~~* |
| CHEM 350 ~~CHEM 360, CHEM 369~~ | 3 ~~5~~ | |
| MATH 115* or STAT 201* or STAT 207* | 3 | |
| [1]Social Sciences Elective* | 3 | |
| **Term 5** | | |
| [3]Science Elective ~~ANSC 380~~ | 3-4 ~~3~~ | 2.0 cumulative GPA |
| ~~[1]Social Sciences Elective*~~ | ~~3~~ | One additional general education course ~~elective~~* |
| CMST 210*, CMST 217*, CMST 240*, or CMST 247* | 3 | |
| PHYS 221 | 4 | |
| ~~WFS 431~~ | ~~3~~ | |
| CHEM 360, CHEM 369 | 5 | |
| **Term 6** | | |
| AREC 201* or ECON 201* or ECON 207* | 4 | No milestones |
| [1]Arts and Humanities or Cultures and Civilizations Electives* | 3 | |
| PHYS 222* | 4 | |
| WFS 433 or WFS 443 or WFS 444 or WFS 445 | 3 | |
| ~~Unrestricted Elective~~ | ~~1-2~~ | |
| **Term 7** | | |
| BCMB 401 and BCMB 230 or BCMB 440 or WFS 450 | 7-9 ~~7~~ | Apply to graduate |
| BIOL 220, 229 | 4 | |
| [1]Arts and Humanities or Cultures and Civilizations Electives* | 3 | |
| WFS 431 | 3 | |
| **Term 8** | | |
| WFS 433 or WFS 443 or WFS 444 or WFS 445 | 6 ~~3~~ | No milestones |
| ANSC 280 or ANSC 320 or ANSC 330 or ANSC 380 or ANSC 489 or BSET 326 or EPP 425 or EPP 525 or GEOG 411 | 3 | |
| ~~[3]Science Elective~~ | ~~3~~ | |
| WFS 401 | 3 | |
| BCMB 311 | 3 | |
| **TOTAL** | **120** | |

*Rationale:* The changes were made to allow students more flexibility to meet requirements by offering more elective courses. *Impact on other units:* Minimal, although the changes will increase enrollment in some of the elective courses listed. *Financial impact:* None.

**DEPARTMENT OF PLANT SCIENCES**
**(PLSC) Plant Sciences**

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Plant Sciences, Plant Sciences Major – Bioenergy Concentration**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| [1]AGNR 100 or FYS 101 | 1 | 2.0 cumulative GPA |
| [9]BIOL 113* ~~111*~~ or BIOL 114* ~~112~~; and BIOL 115* | 5 ~~4~~ | |
| CHEM 120* or CHEM 128* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| [2]Quantitative Reasoning Elective* | 3 | |
| **Term 3** | | |
| CMST 210*, CMST 217*, CMST 240*, or CMST 247* | 3 | 2.0 cumulative GPA |
| [3]Cultures and Civilizations Elective* | 3 | ENGL 101* |
| PLSC 210 | 3 | |
| [3,4]Social Sciences Elective* | 3 | |
| [5] Directed Electives ~~Technical Elective~~ | 3 | |
| **Term 6** | | |
| [6]ALEC 440* or ENGL 295* or ENGL 360* | 3 | No milestones |
| PLSC 452, PLSC 435 | 6 | |
| [5] Directed Electives ~~Technical Elective~~ | 5-6 ~~6-7~~ | |
| **Term 8** | | |
| PLSC 475, PLSC 497 | 4-6 | No milestones |
| [7]Specialty Area | 3-5 | |
| [5] Directed Electives ~~Technical Elective~~ | 3 | |
| [8]Unrestricted Electives | 3-4 | |

[5]Directed electives are courses that generally support and enhance a student's academic goals. These multidisciplinary courses were chosen to provide students the opportunity to develop basic and advanced skills beyond Plant Science's core requirements. The Plant Sciences Undergraduate Program Committee periodically reviews this list to identify appropriate courses for each concentration. If students believe that a course not on the list would meet this objective, they may propose this to their academic advisor to review before the start of the semester in which the student wishes to take the course. Chosen from any Biochemistry and Cellular and Molecular Biology; any Biosystems Engineering; any Biosystems Engineering Technology; any Business Analytics and Statistics; Chemistry; Ecology and Evolutionary Biology; Management; Marketing; Microbiology; Physics; Spanish; Statistics; PLSC 220, PLSC 221, PLSC 275, 200-level and above from Biology, Business Administration, Entomology and Plant Pathology; 300-level and above from Agricultural and Resource Economics, Environmental and Soil Sciences, Forestry, Finance, Plant Sciences; Additionally, components of an Entrepreneurship and Business Administration Minor are acceptable: ACCT 200, ACCT 207; AGNR 291, AGNR 292; ALEC 240, ALEC 340; AREC 212, AREC 342, AREC 442; ARTD 451, ARTD 452; BUAD 103; DSGN 130, DSGN 430; ECON 331; EF 130, EF 400; ENGL 360*; ENT 350, ENT 410, ENT 415, ENT 420, ENT 425, ENT 451, ENT 460; FINC 300; JREM 450*, JREM 451*, JREM 456*; MARK 300~~,~~; MARK 462; ME 457; MGT 201, MGT 300; MSE 101, MSE 201; MUSC 305; PBRL 270; ~~PLSC 220, PLSC 221, PLSC 275.~~ RCS 411, RCS 412.

[9]BIOL 113* OR BIOL 114*, AND BIOL 115* satisfies the University General Education- Natural Science requirements and the major requirement for botany. This requirement will be met if a transfer student transfers in any Biology class(es) with lab totaling at least 4 credit hours.

**Requirements for the Bachelor of Science in Plant Sciences – Plant Sciences Major – Bioenergy Concentration**

**Specialty Areas**

**Business**

ACCT 200 or ACCT 207; ~~AREC 355,~~ AREC 470; MARK 300; MGT 201; STAT 201* or STAT 207*.

**Requirements for the Bachelor of Science in Plant Sciences, Plant Sciences Major – Biotechnology Concentration**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| [1]AGNR 100 or FYS 101 | 1 | 2.0 cumulative GPA |
| [9]BIOL 113* ~~111*~~ or BIOL 114* ~~112~~; and BIOL 115* | 5 ~~4~~ | |
| CHEM 120* or CHEM 128* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| [2]Quantitative Reasoning Elective* | 3 | |
| **Term 7** | | |
| PLSC 452, PLSC 461, PLSC 470 | 9 | Apply to graduate |
| PLSC 492, PLSC 497 | 3 | |
| [6] Directed Electives ~~Technical Elective~~ | 3 | |
| **Term 8** | | |
| PLSC 454 | 3 | No milestones |
| [6] Directed Electives ~~Technical Elective~~ | 10-11 ~~11-12~~ | |

[6]Directed electives are courses that generally support and enhance a student's academic goals. These multidisciplinary courses were chosen to provide students the opportunity to develop basic and advanced skills beyond Plant Science's core

requirements. The Plant Sciences Undergraduate Program Committee periodically reviews this list to identify appropriate courses for each concentration. If students believe that a course not on the list would meet this objective, they may propose this to their academic advisor to review before the start of the semester in which the student wishes to take the course. Additionally, components of an Entrepreneurship (ALEC 240, ALEC 340; AREC 212, AREC 342, AREC 442; ARTD 451, ARTD 452; BUAD 103; DSGN 130, DSGN 430; ECON 331; EF 130, EF 400; ENT 350, ENT 410, ENT 415, ENT 420, ENT 425, ENT 451, ENT 460; MARK 462; ME 457; MUSC 305; RCS 411, RCS 412), Business Administration (ACCT 200, ACCT 207; FINC 300; MARK 300; MGT 201, MGT 300; STAT 201) or Entomology and Plant Pathology Minor(s) are acceptable. Chosen from any Biochemistry and Cellular and Molecular Biology; any Biosystems Engineering; any Biosystems Engineering Technology; any Business Analytics and Statistics; Chemistry; Ecology and Evolutionary Biology; Management; Marketing; Microbiology; Physics; Spanish; Statistics; 200-level and above from Biology, Business Administration; 300-level and above from Agricultural and Resource Economics, Environmental and Soil Sciences, Entomology and Plant Pathology, Forestry, Plant Sciences; ~~ACCT 200, ACCT 207~~; AGNR 291, AGNR 292; BULW 301; ENGL 295*, ENGL 360*; EPP 201*; FINC 300; GEOL 201*, GEOL 202*; JREM 450*, JREM 451*, JREM 456*; PLSC 220, PLSC 221, PLSC 250, PLSC 275.

[7]BIOL 113* OR BIOL 114*, AND BIOL 115* satisfies the University General Education- Natural Science requirements and the major requirement for botany. This requirement will be met if a transfer student transfers in any Biology class(es) with lab totaling at least 4 credit hours.

**Requirements for the Bachelor of Science in Plant Sciences, Plant Sciences Major – Horticulture Science and Production Concentration**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| [1]AGNR 100 or FYS 101 | 1 | 2.0 cumulative GPA |
| [8]BIOL 113* ~~111*~~ or BIOL 114* and BIOL 115* ~~112*~~ | 5 ~~4~~ | |
| CHEM 100* or CHEM 120* or CHEM 128* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| [2]Quantitative Reasoning Elective* | 3 | |
| **Term 3** | | |
| [3]AREC 201* or ECON 201* or ECON 207* | 4 | ENGL 101* |
| [2]Arts and Humanities Elective* | 3 | |
| CMST 210*, CMST 217*, CMST 240*, or CMST 247* | 3 | |
| PLSC 210 | 3 | |
| [6] Directed Electives ~~Technical Elective~~ | 3 | |
| **Term 8** | | |
| [5]Plant Sciences Electives | 6 | No milestones |
| [6] Directed Electives ~~Technical Elective~~ | 2-3 ~~3-4~~ | |
| [7]Unrestricted Electives | 4-5 | |

[6]Directed electives are courses that generally support and enhance a student's academic goals. These multidisciplinary courses were chosen to provide students the opportunity to develop basic and advanced skills beyond Plant Science's core requirements. The Plant Sciences Undergraduate Program Committee periodically reviews this list to identify appropriate courses for each concentration. If students believe that a course not on the list would meet this objective, they may propose this to their academic advisor to review before the start of the semester in which the student wishes to take the course. Additionally, all components of the Entrepreneurship and Business Administration minors are acceptable, and some classes within the Entomology and Plant Pathology minor are acceptable. Chosen from any 300-level and above from Agricultural and Resource Economics, Environmental and Soil Science, Forestry, Plant Sciences; 200-level and above from Biology, Business Administration; courses from Biochemistry and Cellular and Molecular Biology, Biosystems Engineering, Biosystems Engineering Technology, Business Analytics and Statistics, Chemistry, Ecology and Evolutionary Biology Management, Marketing, Microbiology, Physics, Spanish, Statistics; and ACCT 200, ACCT 207; AGNR 291, AGNR 292; ALEC 240, ALEC 340; AREC 212, AREC 342, AREC 442; ARTD 451, ARTD 452; BUAD 103; BULW 301; DSGN 130, DSGN 430; ECON 331; EF 130, EF 400; ENGL 295*, ENGL 360*; ENT 350, ENT 410, ENT 415, ENT 420, ENT 425, ENT 451, ENT 460; EPP 201*, EPP 411, EPP 425, EPP 493; FINC 300; GEOL 201*, GEOL 202*; JREM 450*, JREM 451*, JREM 456*; MARK 300, MARK 462; ME 457; MGT 201, MGT 300; MUSC 305; RCS 411, RCS 412.

[8] BIOL 113 OR BIOL 114, AND BIOL 115 satisfies the University General Education- Natural Science requirements and the major requirement for botany. This requirement will be met if a transfer student transfers in any Biology class(es) with lab totaling at least 4 credit hours.

**Requirements for the Bachelor of Science in Plant Sciences, Plant Sciences Major – Landscape Design Concentration**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| [1]AGNR 100 or FYS 101 | 1 | 2.0 cumulative GPA |
| [2]Arts and Humanities Elective* | 3 | |
| [5]BIOL 113* ~~111*~~ or BIOL 114* and BIOL 115* ~~112*~~ | 5 ~~4~~ | |
| CHEM 100* or CHEM 120* or CHEM 138* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| **Term 4** | | |
| PLSC 221, PLSC 280 | 6 | ENGL 102* |
| [4] Directed Electives ~~Technical Elective~~ | 6 ~~7~~ | |
| [5]Unrestricted Elective | 2 | |
| **Term 6** | | |
| PLSC 380 | 3 | No milestones |
| [4] Directed Electives ~~Technical Elective~~ | 6 | |

| | | |
|---|---|---|
| [5]Unrestricted Elective | 3-5 | |
| **Term 7** | | |
| [2]Arts and Humanities Elective* | 3 | Apply to graduate |
| [2]Cultures and Civilizations Elective* | 3 | |
| PLSC 421, PLSC 460 | 6 | |
| [4] Directed Electives ~~Technical Elective~~ | 3 | |
| **Term 8** | | |
| PLSC 480, PLSC 485 | 7 | No milestones |
| Select from: PLSC 348, PLSC 410*, PLSC 429, PLSC 430, PLSC 434, PLSC 436, PLSC 437, PLSC 441, PLSC 450, PLSC 469, PLSC 470, PLSC 493, PLSC 497 | 5-6 | |
| [4] Directed Electives ~~Technical Elective~~ | 1-2 | |

[4] Directed electives are courses that generally support and enhance a student's academic goals. These multidisciplinary courses were chosen to provide students the opportunity to develop basic and advanced skills beyond Plant Science's core requirements. The Plant Sciences Undergraduate Program Committee periodically reviews this list to identify appropriate courses for each concentration. If students believe that a course not on the list would meet this objective, they may propose this to their academic advisor to review before the start of the semester in which the student wishes to take the course. Additionally, components of an Entrepreneurship, Business Administration or Entomology and Plant Pathology Minor(s) are acceptable. Chosen from any Advertising, Business Administration; Business Analytics and Statistics; Entomology and Plant Pathology; Plant Sciences; Statistics; ACCT 200, ACCT 207; AGNR 291, AGNR 292; ALEC 240, ALEC 340; ARCH 111*, ARCH 211*, ARCH 232, ARCH 271; AREC 212, AREC 342, AREC 442; ART 101, ART 103; ARTA 211, ARTA 212, ARTA 213, ARTA 214, ARTA 215, ARTA 216, ARTA 231, ARTA 331; ARTD 451, ARTD 452; BIOL 260-BIOL 269; BSET 202, BSET 412; BUAD 103; BULW 301; CMST 414; DSGN 130, DSGN 430; ECON 331; EEB 304, EEB 330, EEB 433; EF 130, EF 400; ENGL 295*, ENGL 360*; ENT 350, ENT 410, ENT 415, ENT 420, ENT 425, ENT 451, ENT 460; ESS 334; FINC 300; FORS 321*; FWF 212, FWF 250*, FWF 312*, FWF 317; GEOG 131*, GEOG 365, GEOG 366; GEOL 201*, GEOL 202*, GEOL 203*; LAR 541, LAR 542; MARK 300, MARK 462; ME 457; MGT 201, MGT 300; MUSC 305; PHIL 244*, PHIL 346*; RCS 411, RCS 412; SPAN 111, SPAN 112, SPAN 211*, SPAN 212*; UNST 413.

[6]BIOL 113 OR BIOL 114, AND BIOL 115 satisfies the University General Education- Natural Science requirements and the major requirement for botany. This requirement will be met if a transfer student transfers in any Biology class(es) with lab totaling at least 4 credit hours.

**Requirements for the Bachelor of Science in Plant Sciences, Plant Sciences Major – Organic Production Concentration**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| [1]AGNR 100 or FYS 101 | 1 | 2.0 cumulative GPA |
| [6]BIOL 113* ~~111*~~ or BIOL 114* and BIOL 115* ~~112*~~ | 5 ~~4~~ | |
| CHEM 100* or CHEM 120* or CHEM 128* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| [2]Quantitative Reasoning Elective* | 3 | |
| **Term 6** | | |
| BCMB 321 or FORS 414 or PLSC 348 | 3 | No milestones |
| PLSC 330, PLSC 434 | 6 | |
| [3]Directed Electives ~~Technical Electives~~ | 5 ~~6~~ | |
| **Term 8** | | |
| Select from: PLSC 220, PLSC 221, PLSC 331, PLSC 410*, PLSC 430, PLSC 435, PLSC 452, PLSC 457, PLSC 461, PLSC 493 | 6 | No milestones |
| [3]Directed Electives ~~Technical Electives~~ | 6 | |
| [4]Unrestricted Electives | 3-4 | |

[3]Directed electives are courses that generally support and enhance a student's academic goals. These multidisciplinary courses were chosen to provide students the opportunity to develop basic and advanced skills beyond Plant Science's core requirements. The Plant Sciences Undergraduate Program Committee periodically reviews this list to identify appropriate courses for each concentration. If students believe that a course not on the list would meet this objective, they may propose this to their academic advisor to review before the start of the semester in which the student wishes to take the course. Additionally, components of an Entrepreneurship, Business Administration or Entomology and Plant Pathology Minor(s) are acceptable. Chosen from any 200-level and above from Agricultural and Resource Economics, Animal Science, Biology, Business Administration, Biochemistry and Cellular and Molecular Biology, Biosystems Engineering, Biosystems Engineering Technology, Business Analytics and Statistics, Chemistry, Ecology and Evolutionary Biology, Entomology and Plant Pathology, Environmental and Soil Sciences, Food Science and Technology, Forestry, Geology, Management, Marketing, Microbiology, Physics, Plant Sciences, Spanish, Statistics, or approved foreign language; and ACCT 200, ACCT 207; AGNR 291, AGNR 292, AGNR 481; ALEC 240, ALEC 340; ANSC 160; AREC 212, AREC 342, AREC 442; ARTD 451, ARTD 452; BUAD 103; BULW 301; DSGN 130, DSGN 430; ECON 331; EF 130, EF 400; ENGL 295*, ENGL 360*; ENT 350, ENT 410, ENT 415, ENT 420, ENT 425, ENT 451, ENT 460; FDST 150*; FINC 300; GEOL 201*, GEOL 202*, GEOL 206*; JREM 450*, JREM 451*, JREM 456*; MARK 300, MARK 462; ME 457; MGT 201, MGT 300; MUSC 305; PHIL 130; PHYS 101*; RCS 411, RCS 412; SOCI 360.

[6] BIOL 113 OR BIOL 114, AND BIOL 115 satisfies the University General Education- Natural Science requirements and the major requirement for botany. This requirement will be met if a transfer student transfers in any Biology class(es) with lab totaling at least 4 credit hours.

**Requirements for the Bachelor of Science in Plant Sciences, Plant Sciences Major – Public Horticulture Concentration**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| [1]AGNR 100 or FYS 101 | 1 | 2.0 cumulative GPA |
| [6]BIOL 113* ~~111*~~ or BIOL 114* and BIOL 115* ~~112*~~ | 5 ~~4~~ | |
| CHEM 100* or CHEM 120* or CHEM 128* | 4 | |
| ENGL 101* or ENGL 118* | 3 | |
| [2]Quantitative Reasoning Elective* | 3 | |
| **Term 5** | | |
| [2]Cultures and Civilizations Elective* | 3 | Any CASNR course with grade of C or better |
| PLSC 230, PLSC 240, ~~PLSC 328,~~ PLSC 330 | 9 ~~10~~ | Any two Arts and Humanities*, Cultures and Civilizations*, Quantitative Reasoning*, or Social Sciences* Electives |
| **Term 6** | | |
| PLSC 370, PLSC 410*, PLSC 434, PLSC 436 | 12 | No milestones |
| [4] Directed Elective ~~Technical Electives~~ | 3 ~~4~~ | |
| **Term 7** | | |
| EPP 313 or EPP 321 | 3 | Apply to graduate |
| PLSC 470 | 3 | |
| Select from: PLSC 328, PLSC 429, PLSC 430, PLSC 437, PLSC 439, PLSC 469, PLSC 493 | 8 ~~7~~ | |
| **Term 8** | | |
| EPP 410 | 3 | No milestones |
| PLSC 494 | 3 | |
| [4] Directed Elective ~~Technical Electives~~ | 3-4 | |
| [5]Unrestricted Elective or PLSC 275 or PLSC 415 or PLSC 421 | 3-5 | |

[4]Directed electives are courses that generally support and enhance a student's academic goals. These multidisciplinary courses were chosen to provide students the opportunity to develop basic and advanced skills beyond Plant Science's core requirements. The Plant Sciences Undergraduate Program Committee periodically reviews this list to identify appropriate courses for each concentration. If students believe that a course not on the list would meet this objective, they may propose this to their academic advisor to review before the start of the semester in which the student wishes to take the course. Additionally, all components of the Entrepreneurship and Business Administration minors are acceptable, and some classes within the Entomology and Plant Pathology minor are acceptable. ALEC 240, ALEC 340; AREC 212, AREC 342, AREC 442; ARTD 451, ARTD 452; BUAD 103; DSGN 130, DSGN 430; ECON 331; EF 130, EF 400; ENT 350, ENT 410, ENT 415, ENT 420, ENT 425, ENT 451, ENT 460; MARK 462; ME 457; MUSC 305; RCS 411, RCS 412. Chosen from any 300-level and above from Environmental and Soil Sciences; Forestry; and ACCT 200, ACCT 207; AGNR 291, AGNR 292; ART 481; ALEC 345; EDPY 210*; EEB 309, EEB 330, EEB 433; ENGL 295*, ENGL 360*; EPP 201*, EPP 410, EPP 411, EPP 425, EPP 493; FINC 300; MARK 300; MGT 201, MGT 300; PBRL 270; PHIL 346*; RSM 201.

[6]BIOL 113 OR BIOL 114, AND BIOL 115 satisfies the University General Education- Natural Science requirements and the major requirement for botany. This requirement will be met if a transfer student transfers in any Biology class(es) with lab totaling at least 4 credit hours.

**Requirements for the Bachelor of Science in Plant Sciences, Plant Sciences Major – Turfgrass Science and Management Concentration**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| [1]AGNR 100 or FYS 101 | 1 | 2.0 cumulative GPA |
| [2]AREC 201* or ECON 201* or ECON 207* | 4 | |
| [6]BIOL 113* ~~111*~~ or BIOL 114* and BIOL 115* ~~112*~~ | 5 ~~4~~ | |
| ENGL 101* or ENGL 118* | 3 | |
| [2]Quantitative Reasoning Elective* | 3 | |
| **Term 4** | | |
| CHEM 110* or CHEM 130* or CHEM 138* | 4 | ENGL 102* |
| ESS 210 | 4 | PLSC 210 |
| PLSC 462 | 1 | |
| [5]Directed Elective ~~Technical Electives~~ | 6 | |
| **Term 5** | | |
| [3]Arts and Humanities Elective* | 3 | Any CASNR course with grade of C or better |
| [3]Cultures and Civilizations Elective* | 3 | Any two Arts and Humanities*, Cultures and Civilizations*, Quantitative Reasoning*, or Social Sciences* Electives |
| EPP 313 | 3 | |
| PLSC 220 or PLSC 221 | 3 | |
| [5]Directed Elective ~~Technical Electives~~ | 3 | |
| **Term 7** | | |
| Select from: BCMB 321; BIOL 260-BIOL 269; FORS 414; EEB 330, EEB 413, EEB 414, EEB 424, EEB 463; GEOG 439; PLSC 348 | 3-4 | Apply to graduate |

| | | |
|---|---|---|
| [5]Directed Elective ~~Technical Electives~~ | 7-8 ~~8-9~~ | |
| [4]Unrestricted Elective | 1 | |

[5]Directed electives are courses that generally support and enhance a student's academic goals. These multidisciplinary courses were chosen to provide students the opportunity to develop basic and advanced skills beyond Plant Science's core requirements. The Plant Sciences Undergraduate Program Committee periodically reviews this list to identify appropriate courses for each concentration. If students believe that a course not on the list would meet this objective, they may propose this to their academic advisor to review before the start of the semester in which the student wishes to take the course. Additionally, components of and Entrepreneurship (ALEC 240, ALEC 340; AREC 212, AREC 342, AREC 442; ARTD 451, ARTD 452; BUAD 103; DSGN 130, DSGN 430; ECON 331; EF 130, EF 400; ENT 350, ENT 410, ENT 415, ENT 420, ENT 425, ENT 451, ENT 460; MARK 462; ME 457; MUSC 305; RCS 411, RCS 412), Business Administration or Entomology and Plant Pathology Minor(s) are acceptable. Chosen from any 300-level and above from Agricultural and Resource Economics; Biochemistry and Cellular and Molecular Biology; Biosystems Engineering; Biosystems Engineering Technology; Ecology and Evolutionary Biology; Entomology and Plant Pathology; Environmental and Soil Sciences; Forestry; Plant Sciences; and ACCT 200 or ACCT 207; AGNR 292; ENGL 295*, ENGL 360*; EPP 201*, FINC 300; MARK 300; MGT 201, MGT 300.

[7]BIOL 113 OR BIOL 114, AND BIOL 115 satisfies the University General Education- Natural Science requirements and the major requirement for botany. This requirement will be met if a transfer student transfers in any Biology class(es) with lab totaling at least 4.

**COLLEGE OF ARCHITECTURE AND DESIGN**
**All changes effective fall 2016**

## I. COURSE CHANGES

### SCHOOL OF ARCHITECTURE

Program Learning Outcomes for B. Architecture

1. Graduates of the Bachelor of Architecture (B. Arch) program will be able to demonstrate that they have the basic knowledge, skills, and abilities necessary to enter the profession and to become licensed architects.
2. Graduating students must demonstrate the ability to build abstract relationships and understand the impact of architectural design based on research and analysis of multiple theoretical, social, political, economic, cultural and environmental contexts.
3. Integrating Building Practices, Technical Skills and Knowledge: Graduating students must demonstrate a comprehension of the technical aspects of design, systems and materials, and be able to apply that comprehension in their coursework.
4. Leadership and Practice: Graduating students must have an understanding of the architect's role in managing and advocating for legal, ethical, and critical action for the good of the client, society and the public.

**(ARCH) Architecture**

**ADD**

**ARCH 233 Tectonics and Stereotomics** (2)
Design and expression with structural archetypes. Exploration of distinctions between structure and enclosure. Emphasis on formal ordering systems, spatial implications, and structural concepts. Topics include gravity loads, earth-shaping, massive construction and light frames.
*(RE) Corequisite(s): 271.*

**ARCH 234 Climatic and Daylight Design** (2)
Introduction to design and expression with climate as a context and form-generator. Emphasis on design guidelines and formal ordering. Analysis of climates, selection of site and building design strategies, design for microclimates and enhancing daylighting.
*(RE) Corequisite(s): 271.*

**ARCH 235 Design Implementation** I (2)
Design and expression with structural archetypes of timber and simple steel frames with point loads. Emphasis on formal ordering systems and essential behaviors, including lateral bracing and load-tracing. Associated interior and exterior wood construction materials, methods, performance and detailing. Enclosure strategies including performance (thermal and moisture) and expression. Schematic detailing. Design guideline sizing.
*(RE) Prerequisite(s) 233, PHYS 160; Corequisite(s): 272.*

**ARCH 236 Design Implementation II** (2)
Design and expression with structural archetypes of masonry walls and steel frames, and combinations thereof. Emphasis on formal ordering systems and essential behaviors, including structural and thermal mass. Associated interior and exterior light steel, brick, stone and concrete masonry materials, methods, performance and detailing. Design guideline sizing.
*(RE) Prerequisite(s) 235, PHYS 160; Corequisite(s): 272.*

*Rationale:* The School of Architecture is redesigning its systems technologies courses, content including structures, materials, and environmental control systems (ECS). Currently most of these courses are condensed within the students' third year and taught as independent specialties. The new proposal distributes the credit hours more equitably between the second and third year and follows a model with more blended content and integration/co-requisite opportunities with the design studio courses. The large course content (currently 4CH) is also broken down into more digestible 2CH half-term increments that may be more effectively related to the design studios. ARCH 233, 234, 235, and 236 are proposed as the first sequence of courses, to be taken in the

second year, which introduces concepts of structure, materials, and ECS as determinants of space and incrementally presents greater complexity. *Impact on Other Academic Units:* During the pilot year (2016-2017) there will be no impact on other units within the college. Minor modifications will be made to course offerings in the graduate architecture program and overlap 4+2 interior design program once these courses become a full requirement in the undergraduate architecture program. There is no impact on units outside the college. *Financial Impact:* None – new courses will be taught in lieu of existing courses (later to be dropped) and will not affect faculty FTE.
*These courses support Program Learning Outcomes 1 and 3 for B. Arch.*

**II. PROGRAM CHANGES**

**SCHOOL OF ARCHITECTURE**

Program Learning Outcomes for B. Architecture
1. Graduates of the Bachelor of Architecture (B. Arch) program will be able to demonstrate that they have the basic knowledge, skills, and abilities necessary to enter the profession and to become licensed architects.
2. Graduating students must demonstrate the ability to build abstract relationships and understand the impact of architectural design based on research and analysis of multiple theoretical, social, political, economic, cultural and environmental contexts.
3. Integrating Building Practices, Technical Skills and Knowledge: Graduating students must demonstrate a comprehension of the technical aspects of design, systems and materials, and be able to apply that comprehension in their coursework.
4. Leadership and Practice: Graduating students must have an understanding of the architect's role in managing and advocating for legal, ethical, and critical action for the good of the client, society and the public.

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Architecture**

| | | |
|---|---|---|
| **Term 2** | | |
| ARCH 102, ARCH 122, ~~ARCH 172~~ | 4 ~~8~~ | 2.5 cumulative GPA |
| [1]ARCH 172 | 4 | ENGL 102* |
| ~~ARCH 211* or ARCH 217*~~ | ~~3~~ | |
| [4]Communicating Orally Elective* | 3 | MATH 125* |
| ENGL 102* | 3 | |
| PHYS 161* | 3 | |
| **Term 3** | | |
| ARCH 211* or ARCH 217*; ~~ARCH 212* or ARCH 218*;~~ ARCH 221 | 5 | 2.5 cumulative GPA |
| [1]ARCH 271 | 6 | |
| [3]Non-Architecture Elective | 3 | |
| [4]Cultures and Civilizations Elective* | 3 | |
| ~~PHYS 161*~~ | ~~3~~ | |
| **Term 4** | | |
| ARCH 212* or ARCH 218*; ARCH 232~~; ARCH 272~~ | 6 ~~9~~ | 2.5 cumulative GPA |
| ~~ARCH 213* or ARCH 227*;~~ | ~~3~~ | |
| [1]ARCH 272 | 6 | PHYS 161* |
| [4]Cultures and Civilizations Elective* | 3 | |
| [5]Unrestricted Elective | 3 | |
| **Term 5** | | |
| ARCH 213* or ARCH 227*; ARCH 331*, ARCH 341, ~~ARCH 370~~ | 11 | 2.5 cumulative GPA |
| [1]ARCH 370; ARCH 371 | 6 ~~3~~ | |
| ~~[3]Non-Architecture Elective~~ | ~~3~~ | |
| **Term 6** | | |
| ARCH 332, ARCH 342~~; ARCH 372~~ | 8 ~~14~~ | 2.5 cumulative GPA |
| [1]ARCH 372 | 6 | |
| ARCH 312 or ARCH 317 | 3 | |
| **Term 8** | | |
| [1,7]Design Studio Option | 6 | 2.5 cumulative GPA |
| [3]Non-Architecture Elective | 3 | |
| [6]Professional Elective | 3 | |
| [4]Social Sciences Elective* | 3 | |
| [5]Unrestricted Elective | 2 | |
| **Term 9** | | |
| [1,7]Design Studio Option | 6 | 2.5 cumulative GPA |
| [4]Natural Sciences w/ Lab Elective* | 4 | |
| [6]Professional Elective | 3 | |
| [5]Unrestricted Elective | 2 | |

| Term 10 | | |
|---|---|---|
| ARCH 462 | 4 | 2.5 cumulative GPA |
| [1,7]Design Studio Option | 6 | |
| [6]Professional Elective | 3 | |
| [5]Unrestricted Elective | 3 | |
| **TOTAL** | **168** | |

*Rationale:* ARCH 211 and 212 are two parts of the history of architecture that are designed to work as a continuous sequence. As currently taught, students take 211 in the spring of their first year and then wait the entire summer before taking 212. Faculty believe that linking them within a continuous academic year would help students see the commonalities and connections between the two courses. The curriculum chart is adjusted to reflect this change, where 211 and 212 are moved to terms 3 and 4 and 213 is moved to term 5. With the proposed new technology courses planned to begin in year 2 (terms 3 and 4), it is beneficial to introduce physics earlier in the sequence (move from term 3 to term 2). There was an inconsistency in how note 1 was reflected in the curricular chart. Note 1 should have been applied to all studio courses (x70, x71, x72, and Design Studio Options), but several of these studios were grouped with other courses and not noted. We made edits to separate studios as independent line items. *Impact on Other Academic Units:* None. *Financial Impact:* None.
These changes (reordering and clarifying) are not related to Program Learning Outcomes for B. Arch.

**COLLEGE OF ARTS AND SCIENCES**
**All changes effective fall 2016**

**REVISE TEXT**
(Main college page)

**College-wide Requirements: Perspectives**

**Arts and Humanities**

**List B – Study or Practice of the Arts**
ARCH 111, ARCH 117, ARCH 211, ARCH 212, ARCH 217, ARCH 218; ARTD 150; ARTH 162, ARTH 167, ARTH 172, ARTH 173, ARTH 177, ARTH 178, ARTH 183, ARTH 187; CLAS 232; ENGL 281; HSP 258, HSP 287; MUCO 110, MUCO 115, MUCO 120, MUCO 125, MUCO 290; THEA 100, THEA 107; UNHO 257, UNHO 258.

*Rationale:* The College is trying to bring the approved Arts and Humanities list in line with the University's General Education Arts and Humanities approved list. *Impact on other units:* No impact. *Financial impact:* No impact.

**Social Sciences**
AFST 201, AFST 202; ANTH 130, ANTH 137; AREC 201; BCPP 101; CFS 210, CFS 220; ECON 201, ECON 207; EDPY 210; GEOG 101, GEOG 111, GEOG 121; HSP 257, HSP 268; IDS 200, IDS 207; POLS 101, POLS 102, POLS 107; PSYC 110, PSYC 117; REST 232, REST 233; SOCI 110, SOCI 120, SOCI 127; SOWK 250; UNHO 267, UNHO 268.

*Rationale:* The College is trying to bring the approved Social Sciences list in line with the University's General Education Social Sciences approved list. *Impact on other units:* No impact. *Financial impact:* No impact.

**Non-U.S. History**
AFST 235-AFST 236; HIEU 241-HIEU 242, HIEU 247-HIEU 248; HILA 255-HILA 256, HIST 261-HIST 262, HIST 267-HIST 268; ~~HIST 241-HIST 242, HIST 247-HIST 248, HIST 255-HIST 256, HIST 261-HIST 262, HIST 267-HIST 268;~~ LAC 253-LAC 254 ~~LAC 251-LAC 252~~; MRST 201-MRST 202.

*Rationale:* Because History is running out of usable numbers for new courses, the Department is reworking its course listings, dropping most courses and adding them back under new codes. This change is to remove the old codes and add the new ones. *Impact on other units:* No direct impact. *Financial impact:* No impact.

**Global Challenges**
BIOL 105, BIOL 150; ENGL 225, ENGL 226, ENGL 335, ENGL 336, ENGL 423; GEOG 101, GEOG 111, GEOG 131, GEOG 132, GEOG 137, GEOG 200, GEOG 320, GEOG 331, GEOG 340, GEOG 341, GEOG 343, GEOG 344, GEOG 371, GEOG 373, GEOG 374, GEOG 375, GEOG 413, GEOG 430, GEOG 435, GEOG 441, GEOG 442, GEOG 444, GEOG 445, GEOG 449, GEOG 451; HILA 450; LAC 450, LAC 456; MFLL 300; PHIL 346, PHIL 441; POLS 453, POLS 456, POLS 461, POLS 463, POLS 471, POLS 474, POLS 479; REST 101, REST 102, REST 386, REST 476; SOCI 341, SOCI 342, SOCI 375, SOCI 442, SOCI 446; WOST 370.

*Rationale:* These courses have been approved by the College as appropriate for the Global Challenges list. *Impact on other units:* No impact. *Financial impact:* No impact.

**College-wide Requirements: Connections**

**Ancient Mediterranean Studies**
ARTH 425; CLAS 302, CLAS 306, CLAS 309, CLAS 381, CLAS 382, CLAS 384, CLAS 439, CLAS 441, CLAS 442, CLAS 443, CLAS 444, CLAS 445, CLAS 461; HIEU 303, HIEU 304, HIEU 305, HIEU 311; HIME 382, HIME 383 ~~HIST 304, HIST 305, HIST 311, HIST 382, HIST 383~~; PHIL 320, PHIL 322, PHIL 327; REST 311, REST 312, REST 321, REST 322, REST 413, REST 423.

**Biodiversity and Humans**
ANTH 303; EEB 304, EEB 305, EEB 306, EEB 330, EEB 351, EEB 424, EEB 484; GEOG 413, GEOG 431, GEOG 435, GEOG 439; GEOL 320; SOCI 363.

**Emerging Asia**
GEOG 374, GEOG 375, GEOG 451; HIAS 389, HIAS 390, HIAS 392 ~~HIST 389, HIST 390, HIST 392, HIST 393~~; POLS 410, POLS 454, POLS 471, POLS 474, POLS 479.

**Geographic Information Science for Our Changing World**
ANTH 325, ANTH 420; ~~GEOG 310~~, GEOG 311, GEOG 333, GEOG 344, GEOG 411, GEOG 413, GEOG 414, GEOG 415, GEOG 420, GEOG 433, GEOG 436, GEOG 441, GEOG 449, GEOG 454; GEOL 425, GEOL 450, GEOL 455; POLS 472; SOCI 360, SOCI 465.

**Global Social Justice**
AMST 310, AMST 450; GEOG 343, GEOG 451; PHIL 391, PHIL 441; SOCI 341, SOCI 342, SOCI 345, SOCI 353, SOCI 442, SOCI 446, SOCI 449, ~~SOCI 451,~~ SOCI 452, SOCI 453, SOCI 455, SOCI 472; WOST 370.

**Health and Biophysics**

At the intersection of medical/biological sciences with the physical sciences, health physics and biophysics encompass a broad range of studies that help us understand biological systems and their response to light and ionizing radiation. From studying the physical structure of cells, to the mechanisms used to image the human body, as well as the underlying physics and chemistry, this package highlights the interdisciplinary nature of the health and biological sciences. Students completing this package will be able to integrate fundamental biology, physics and engineering principles together to solve problems in health and biological sciences. Depending on courses chosen this may include: (1) discussing the advantages and health risks of using different types of radiation in medical diagnosis and therapy; (2) understanding the structure of biological matter and how it can be studied with nuclear magnetic resonance and X-ray crystallography; (3) characterizing how the structure of biomolecules drive their function, and how disruption of the structure leads to health conditions and diseases; (4) applying computational modeling to biological systems to understand experimental results and predict biological responses; and (5) examining reaction kinetics in biochemical systems.

BCMB 420, BCMB 422, BCMB 471, BCMB 481; NE 433, NE 490; PHYS 341, PHYS 421.

**How to Live in the Premodern World**
CLAS 340, CLAS 345, CLAS 381, CLAS 382, CLAS 384, CLAS 436, : CLAS 439, CLAS 442, CLAS 443, CLAS 444; HIAS; 394; HIEU 321, HIEU 322; HILA 475; HIME 369, HIME 370, HIME 382, HIME 383; ~~HIST 369, HIST 370, HIST 382, HIST 383, HIST 394, HIST 475~~; JST 322; MRST 322; PHIL 320, PHIL 322; REST 311, REST 312, REST 321, REST 322, REST 379, REST 383.

**Humans Living on a Dynamic Earth**
ANTH 360, ANTH 462, ANTH 463, ANTH 466; GEOG 331, GEOG 333, GEOG 345, GEOG 413, GEOG 430, GEOG 431, GEOG 432, GEOG 433, GEOG 435, GEOG 436, GEOG 439; GEOL 320, GEOL 340, GEOL 450, GEOL 455, GEOL 456, GEOL 459, GEOL 460, GEOL 485.

**Inequalities: Race, Ethnicity, Class, and Gender**
AMST 310; CLAS 384; ENGL 331, ENGL 332, ENGL 333, ENGL 444; GEOG 363, GEOG 365, GEOG 420, GEOG 442; GERM 433, GERM 434; HIUS 380, HIUS 436 ~~HIST 380, HIST 436~~; PHIL 382; SOCI 341, SOCI 343, SOCI 344, SOCI 345, SOCI 353, SOCI 375, SOCI 442, ~~SOCI 451,~~ SOCI 452, SOCI 453, SOCI 463, SOCI 466, SOCI 472; SPAN 433, SPAN 484; WOST 310, WOST 340, WOST 370.

**Mobility and Migration**
ANTH 320, ANTH 322, ANTH 325; ENGL 333; GEOG 344, GEOG 442, GEOG 444, GEOG 449; GERM 433; HIEU 434 ~~HIST 434~~; ITAL 414; PHIL 441; SPAN 465.

**Rise and Decline of Premodern Complex Societies**
ANTH 360, ANTH 462, ANTH 463; CLAS 302, CLAS 306, CLAS 362, CLAS 436, CLAS 442, CLAS 443, CLAS 444, CLAS 445; HIAF 371; HIAS 389; HIEU 303, HIEU 304, HIEU 305, HIEU 311, HIEU 312; HIME 369, HIME 370, HIME 382, HIME 383, HIME 400 ~~HIST 304, HIST 305, HIST 311, HIST 312, HIST 369, HIST 370, HIST 371, HIST 382, HIST 383, HIST 389, HIST 400~~; POLS 475.

**Shifting Borders and Cultures in Europe**
GEOG 371; GERM 323, GERM 350, GERM 363; HIEU 320, HIEU 332, HIEU 334, HIEU 434, HIEU 435 ~~HIST 320, HIST 332, HIST 334, HIST 434, HIST 435~~; REST 385, REST 386.

**Understanding Climate Change**
EEB 404, EEB 433; GEOG 331, GEOG 333, GEOG 334, GEOG 430, GEOG 431, GEOG 432, GEOG 434, GEOG 439, GEOG 453; GEOL 456, GEOL 459.

**Visual Cultures and Media Studies**
ASST 401; ENGL 334; FREN 420; GEOG 423; GERM 323; ITAL 422; JAPA 315; PHIL 350; POLS 312; PORT 326; SOCI 410; SPAN 434.

*Rationale:* These revisions are adding courses that are appropriate for specific connections packages, deleting courses that are no longer available or that no longer apply, and deleting and adding back the History courses that changed codes. *Impact on other units:* No direct impact. Financial impact: No impact.
*Rationale:* There is a new Connections package that should be attractive to students interested in health and science. *Impact on other units:* Have letter of support from Nuclear Engineering. *Financial impact:* No impact.

**Minors**

~~At the time of application for graduation,~~ Single ~~single~~ or multiple minors may be recorded on the academic record without regard to course overlap among minors and major or among minors and Foundations and Perspectives requirements, provided at least nine hours differentiate a minor from a student's majors and from any other minors and the minor is not in the same concentration as any of the student's majors. Students who satisfy the requirements of a degree in a college other than Arts and Sciences may also minor inside the College of Arts and Sciences with the approval of the degree-granting unit. The minimum requirement for a minor is 15 credit hours in courses numbered 200 or above. Minors are available in most departments or programs in which majors are offered across the University ~~and also in astronomy. Minors may be developed in other colleges or schools of the university, but must be approved by the head of the department in which the minor is proposed~~. At least 6 of the 15 credit hours required for a minor must be completed at the University of Tennessee, Knoxville. Students should declare the minor at the earliest possible date, and in any case, prior to applying for graduation.

*Rationale:* This revision is to clarify the minor and add language regarding the new college Foundations and Perspectives requirements. *Impact on other units:* No direct impact. *Financial impact:* No impact.

**College-wide Requirements**

**REVISE REQUIREMENTS**

**All Programs in the College of Arts and Sciences**

Add Milestone to Term 2: ENGL 101*
Add Milestone to Term 4: ENGL 102*
Add Milestone to Term 6: Completion of at least 9 upper-division (300-400 level) hours
Add Milestone to Term 7: Completion of at least 24 upper-division (300-400 level) hours
Add Milestone to Term 8: Completion of at least 42 upper-division (300-400 level) hours
(Note all programs have been updated – or are being updated elsewhere in this document - except the following. Some programs were not updated because they show ENGL 102* as a milestone for Term 3 and/or require more than 9 UD hours in Term 6.)

**Art Major, BA**

| **Term 4** | | |
|---|---|---|
| [1]Arts and Humanities (List A)* | 3 | Complete a 200-level course in one of the following areas: Two-Dimensional Arts, Three-Dimensional Arts, or Four-Dimensional Arts with a grade of C or better |
| Foreign Language or [1]Elective | 3 | Complete an additional course from the following: ARTH 162*, ARTH 172*, ARTH 173*, or ARTH 183* with a grade of C or better |
| Natural Sciences Lab (continuation of sequence)* | 4 | ART 102 with a grade of C or better |
| Quantitative Reasoning Electives* | 3-4 | ENGL 102* |
| 4D Art (200-level) | 3 | |

**Graphic Design Major, BFA**

| **Term 4** | | |
|---|---|---|
| ARTD 252 | 3 | ARTD 252 with a grade of C or better |
| Quantitative Reasoning Elective* | 3-4 | Complete additional 200-level studio art elective with a grade of C or better |
| Foreign Language (intermediate level)* | 3 | ENGL 102* |
| Studio Electives | 6 | |
| Elective | 0-1 | |

**Medical Laboratory Science Major, BS**

| **Term 6** | | |
|---|---|---|
| Arts and Humanities (List A)* | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MICR 420-MICR 429 | 5 | |
| Social Sciences* | 3 | |
| [3]Connections | 6 | |
| **[4]Term 7 and 8** | | |
| Complete the 12-month Medical Laboratory Science | | Term 7: Completion of at least 24 upper-division (300-400 |

| | | |
|---|---|---|
| program of study at the UT Medical Center in Knoxville by successfully completing the following 36 hours of coursework: | | level) hours and Term 8: Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MLS 410 - Microbiology I | 4 | |
| MLS 411 - Microbiology II | 4 | |
| MLS 420 - Clinical Chemistry I | 5 | |
| MLS 421 - Clinical Chemistry II | 5 | |
| MLS 430 - Hematology and Clinical Microscopy I | 4 | |
| MLS 431 - Hematology and Clinical Microscopy II | 4 | |
| MLS 440 - Immunohematology I | 3 | |
| MLS 441 - Immunohematology II | 3 | |
| MLS 450 - Clinical Serology and Immunology | 2 | |
| MLS 470 - Orientation and Basic Techniques | 1 | |
| MLS 480 - Principles of Supervision and Education in Medicine | 1 | |

**Music Major, BM – Brass Instruments Concentration**

| | | |
|---|---|---|
| **Term 6** | | |
| MUIN 310, MUIN 320, or MUIN 330 | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| MUTH 320 | 2 | |
| Music Ensemble | 1 | |
| Music Performance (300-level) | 3 | |
| Natural Sciences Elective* | 3 | |
| Elective | 3 | |
| **Term 7** | | |
| MUED 310 | 3 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUSC 200 | 0 | |
| Music Electives | 4 | |
| Music Ensemble | 1 | |
| Music Performance (400-level) | 3 | |
| Quantitative Reasoning Elective* | 3 | |
| **Term 8** | | |
| Communicating Orally Elective* | 3 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUSC 200 | 0 | |
| MUSC 401 | 0 | |
| Music Ensemble | 1 | |
| Music Performance (400-level) | 3 | |
| Quantitative Reasoning Elective* | 3 | |
| Electives | 4 | |

**Music Major, BM – Music Education Concentration – String Emphasis**

| | | |
|---|---|---|
| **Term 6** | | |
| MUED 320 | 2 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUED 340 | 3 | |
| MUED 350 | 1 | |
| MUEN 315 | 1 | |
| MUSC 200 | 0 | |
| MUTH 320 | 2 | |
| Music Ensemble | 1 | |
| Music Performance (200-300 level) | 2 | |
| Natural Sciences Electives* | 4 | |
| **Term 7** | | |
| MUED 350 | 1 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUED 420 | 3 | |

| | | |
|---|---|---|
| MUED 441 | 2 | |
| MUSC 200 | 0 | |
| ETEC 486 | 3 | |
| Music Ensemble | 1 | |
| Music Performance (300-400 level) | 1 | |
| Quantitative Reasoning Elective* | 3 | |
| **Term 8** | | |
| EDPY 401 | 3 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUED 430* | 3 | |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| SPED 402 | 3 | |
| Music Performance (300-400 level) | 1 | |
| Natural Sciences Elective* | 3 | |
| Social Sciences Elective* | 3 | |

**Music Major, BM – Music Education Concentration – Vocal-General/Keyboard Emphasis**

| | | |
|---|---|---|
| **Term 6** | | |
| MUED 320 | 2 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUED 350 | 1 | |
| MUEN 340 | 1 | |
| MUEN 399 | 1 | |
| MUEN 330 or MUEN 380 or MUEN 383 or MUEN 389 | 1 | |
| MUSC 200 | 0 | |
| MUTH 450 | 2 | |
| ETEC 486 | 3 | |
| Music Performance (200-300 level Keyboard) | 2 | |
| Natural Sciences Electives* | 4 | |
| **Term 7** | | |
| MUED 200 | 1 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUED 340 | 3 | |
| MUEN 330 or MUEN 380 or MUEN 383 or MUEN 389 | 1 | |
| MUSC 200 | 0 | |
| Music Performance (300-400 level) | 1 | |
| Quantitative Reasoning Elective* | 3 | |
| Social Sciences Elective* | 3 | |
| **Term 8** | | |
| EDPY 401 | 3 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUED 350 | 1 | |
| MUED 430* | 3 | |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| SPED 402 | 3 | |
| Music Performance (300-400 level) | 1 | |

**Music Major, BM – Music Education Concentration – Vocal-General/Vocal Emphasis**

| | | |
|---|---|---|
| **Term 6** | | |
| MUED 320 | 2 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUED 350 | 1 | |
| MUEN 340 | 1 | |
| MUEN 330 or MUEN 380 or MUEN 383 or MUEN 389 | 1 | |
| MUSC 200 | 0 | |
| MUTH 450 | 2 | |
| ETEC 486 | 3 | |
| Music Performance (200-300 level Voice) | 2 | |
| Natural Sciences Electives* | 4 | |

| | | |
|---|---|---|
| **Term 7** | | |
| MUED 200 | 1 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUED 340 | 3 | |
| MUEN 330 or MUEN 380 or MUEN 383 or MUEN 389 | 1 | |
| MUSC 200 | 0 | |
| Music Performance (300-400 level Voice) | 1 | |
| Quantitative Reasoning Elective* | 3 | |
| Social Sciences Elective* | 3 | |
| **Term 8** | | |
| EDPY 401 | 3 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUED 350 | 1 | |
| MUED 430* | 3 | |
| MUEN 330 or MUEN 380 or MUEN 383 or MUEN 389 | 1 | |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| SPED 402 | 3 | |
| Music Performance (300-400 level Voice) | 1 | |
| Natural Sciences Elective* | 3 | |

**Music Major, BM – Music Education Concentration – Woodwind/Brass/Percussion**

| | | |
|---|---|---|
| **Term 6** | | |
| MUED 212 | 1 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUED 320 | 2 | |
| MUED 340 | 3 | |
| MUED 350 | 1 | |
| MUSC 200 | 0 | |
| MUTH 320 | 2 | |
| Music Ensemble | 1 | |
| Music Performance (200-300 level) | 2 | |
| Natural Sciences Electives* | 4 | |
| **Term 7** | | |
| MUED 350 | 1 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUED 420 | 3 | |
| MUED 440 | 2 | |
| MUSC 200 | 0 | |
| ETEC 486 | 3 | |
| Music Ensemble | 1 | |
| Music Performance (300-400 level) | 1 | |
| Quantitative Reasoning Elective* | 3 | |
| **Term 8** | | |
| EDPY 401 | 3 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUED 430* | 3 | |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| SPED 402 | 3 | |
| Music Performance (300-400 level) | 1 | |
| Natural Sciences Elective* | 3 | |
| Social Sciences Elective* | 3 | |

**Music Major, BM – Organ Concentration**

| | | |
|---|---|---|
| **Term 6** | | |
| MUKB 230 | 1 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUKB 410 | 1 | |
| MUPF 390 | 3 | |
| MUSC 200 | 0 | |

| | | |
|---|---|---|
| MUSC 301 | 0 | |
| MUTH 430 | 3 | |
| Music Ensemble | 1 | |
| Social Sciences Elective* | 3 | |
| Elective | 3 | |
| **Term 7** | | |
| MUKB 410 | 1 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUKB 460 | 3 | |
| MUPF 489 | 3 | |
| MUSC 200 | 0 | |
| Music Ensemble | 1 | |
| Natural Sciences Electives* | 4 | |
| Elective | 2 | |
| **Term 8** | | |
| MUED 310 | 3 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUKB 410 | 1 | |
| MUKB 470 | 3 | |
| MUPF 490 | 3 | |
| MUSC 200 | 0 | |
| MUSC 401 | 0 | |
| Music Ensemble | 1 | |
| Natural Sciences Elective* | 3 | |

**Music Major, BM – Piano Concentration**

| | | |
|---|---|---|
| **Term 6** | | |
| MUED 310 | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUEN 399 | 1 | |
| MUKB 420 | 3 | |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| MUPF 381 | 3 | |
| Social Sciences Elective* | 3 | |
| **Term 7** | | |
| MUEN 399 | 1 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUKB 230 | 1 | |
| MUPF 480 | 3 | |
| MUSC 200 | 0 | |
| Quantitative Reasoning Elective* | 3 | |
| Electives | 6 | |
| **Term 8** | | |
| MUEN 399 | 1 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUKB 340 | 3 | |
| MUPF 481 | 3 | |
| MUSC 200 | 0 | |
| MUSC 401 | 0 | |
| Quantitative Reasoning Elective* | 3 | |
| Electives | 4 | |

**Music Major, BM – Piano Pedagogy Concentration**

| | | |
|---|---|---|
| **Term 6** | | |
| MUED 310 | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUEN 399 | 1 | |
| MUKB 370 | 3 | |
| MUKB 480 | 3 | |
| MUPF 381 | 2 | |

| | | |
|---|---|---|
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| Social Sciences Elective* | 3 | |
| **Term 7** | | |
| MUEN 399 | 1 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUKB 230 | 1 | |
| MUKB 420 | 3 | |
| MUKB 491 | 2 | |
| MUPF 480 | 2 | |
| MUSC 200 | 0 | |
| Quantitative Reasoning Elective* | 3 | |
| Elective | 2 | |
| **Term 8** | | |
| Communicating Orally Elective* | 3 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUEN 399 | 1 | |
| MUKB 430 | 3 | |
| MUKB 490 | 2 | |
| MUPF 481 | 2 | |
| MUSC 200 | 0 | |
| MUSC 401 | 0 | |
| Quantitative Reasoning Elective* | 3 | |

**Music Major, BM – Sacred Music Concentration – Organ Track**

| | | |
|---|---|---|
| **Term 6** | | |
| Communicating Orally Elective* | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUCO 480 | 3 | |
| MUED 320 | 2 | |
| MUKB 410 | 1 | |
| MUPF 390 | 2 | |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| Music Ensemble | 1 | |
| Religious Studies | 3 | |
| **Term 7** | | |
| MUKB 410 | 1 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUKB 460 | 3 | |
| MUPF 489 | 2 | |
| MUSC 200 | 0 | |
| MUSC 495 | 3 | |
| Music Ensemble | 1 | |
| Natural Sciences Electives* | 4 | |
| **Term 8** | | |
| MUKB 410 | 1 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUKB 470 | 3 | |
| MUPF 490 | 2 | |
| MUSC 200 | 0 | |
| MUSC 401 | 0 | |
| Music Ensemble | 1 | |
| Natural Sciences Elective* | 3 | |
| Social Sciences Elective* | 3 | |
| MUTH 450 | 2 | |

**Music Major, BM – Sacred Music Concentration – Piano Track**

| | | |
|---|---|---|
| **Term 6** | | |
| MUCO 480 | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |

| | | |
|---|---|---|
| MUED 320 | 2 | |
| MUPF 156 | 1 | |
| MUPF 381 | 2 | |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| Music Ensemble | 1 | |
| Religious Studies | 3 | |
| Social Sciences Elective* | 3 | |
| **Term 7** | | |
| Elective | 1 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUKB 420 or MUKB 430 | 3 | |
| MUPF 480 | 2 | |
| MUPF 155 or MUPF 255 | 1 | |
| MUSC 200 | 0 | |
| MUSC 495 | 3 | |
| Music Ensemble | 1 | |
| Natural Sciences Electives* | 4 | |
| **Term 8** | | |
| Communicating Orally Elective* | 3 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUPF 481 | 2 | |
| MUPF 156 or MUPF 256 | 1 | |
| MUSC 200 | 0 | |
| MUSC 401 | 0 | |
| Music Ensemble | 1 | |
| Natural Sciences Elective* | 3 | |
| Elective | 1 | |

**Music Major, BM – Sacred Music Concentration – Voice Track**

| | | |
|---|---|---|
| **Term 6** | | |
| Communicating Orally Elective* | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUCO 480 | 3 | |
| MUED 320 | 2 | |
| MUPF 356 | 2 | |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| Music Ensemble | 1 | |
| Social Sciences Elective* | 3 | |
| **Term 7** | | |
| MUPF 455 | 2 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUSC 200 | 0 | |
| MUSC 495 | 3 | |
| MUVC 450 | 2 | |
| MUVC 580 - Choral Literature I | 2 | |
| Music Ensemble | 1 | |
| Quantitative Reasoning Elective* | 3 | |
| Religious Studies | 3 | |
| **Term 8** | | |
| MUPF 456 | 2 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUSC 200 | 0 | |
| MUSC 401 | 0 | |
| MUVC 460 | 1 | |
| MUVC 585 - Choral Literature II | 2 | |
| Music Ensemble | 1 | |
| Quantitative Reasoning Elective* | 3 | |
| MUTH 450 | 3 | |
| Elective | 2 | |

**Music Major, BM – Studio Music and Jazz Concentration**

| | | |
|---|---|---|
| **Term 6** | | |
| MUCO 380* | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUJZ 320 | 2 | |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| Music Ensemble | 1 | |
| Music Performance (300-level) | 2 | |
| Natural Sciences Electives* | 4 | |
| Cultures and Civilizations Elective* | 3 | |
| **Term 7** | | |
| MUJZ 410 | 3 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUSC 200 | 0 | |
| MUTC 290* | 3 | |
| Music Ensemble | 1 | |
| Music Performance (400-level) | 2 | |
| Social Sciences Elective* | 3 | |
| Elective | 3 | |
| **Term 8** | | |
| Communicating Orally Elective* | 3 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUJZ 420 | 1 | |
| MUSC 200 | 0 | |
| MUSC 401 | 0 | |
| Music Ensemble | 1 | |
| Music Performance (400-level) | 2 | |
| Quantitative Reasoning Elective* | 3 | |
| Electives | 4 | |

**Music Major, BM – Theory/Composition Concentration – Composition Track**

| | | |
|---|---|---|
| **Term 6** | | |
| MUPF 394, MUPF 395, or MUPF 396 | 2 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUSC 200 | 0 | |
| MUTH 420 | 3 | |
| Music Ensemble | 1 | |
| Music Performance | 1 | |
| Natural Sciences Elective* | 3 | |
| Electives | 5 | |
| **Term 7** | | |
| MUED 310 | 3 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUPF 494, MUPF 495, or MUPF 496 | 2 | |
| MUSC 200 | 0 | |
| MUTH 430, MUTH 490 | 4 | |
| Music Ensemble | 1 | |
| Music Performance | 1 | |
| Social Sciences Elective* | 3 | |
| **Term 8** | | |
| MUPF 494, MUPF 495, or MUPF 496 | 2 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUSC 200, MUSC 411 | 0 | |
| MUTH 490 | 1 | |
| Music Ensemble | 1 | |
| Music Performance | 1 | |
| Social Sciences Elective* | 3 | |
| Electives | 5 | |

**Music Major, BM – Theory/Composition Concentration – Theory Track**

| | | |
|---|---|---|
| **Term 6** | | |
| MUSC 200 | 0 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUTH 420 | 3 | |
| MUTH 451: Special Topics | 3 | |
| Music Ensemble | 1 | |
| Natural Sciences Electives* | 4 | |
| MUTC 450 | 3 | |
| **Term 7** | | |
| MUED 310 | 3 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUSC 200 | 0 | |
| MUTH 430 | 3 | |
| MUTH 490 | 1 | |
| MUTH 451: Special Topics | 3 | |
| Music Ensemble | 1 | |
| Social Sciences Elective* | 3 | |
| **Term 8** | | |
| MUSC 200 | 0 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUTH 490 | 1 | |
| MUTH 493 | 4 | |
| Music Ensemble | 1 | |
| Social Sciences Elective* | 3 | |
| Electives | 6 | |

**Music Major, BM – Voice Concentration**

| | | |
|---|---|---|
| **Term 6** | | |
| Foreign Language | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUCO 380* | 3 | |
| MUEN 340 | 1 | |
| MUPF 356 | 3 | |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| Music Ensemble | 1 | |
| Natural Sciences Electives* | 4 | |
| Social Sciences Elective* | 3 | |
| **Term 7** | | |
| Communicating Orally Elective* | 3 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUEN 340 | 1 | |
| MUPF 455 | 3 | |
| MUSC 200 | 0 | |
| MUVC 410 | 2 | |
| MUVC 450 | 2 | |
| Quantitative Reasoning Elective* | 3 | |
| **Term 8** | | |
| MUEN 340 | 1 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUPF 456 | 3 | |
| MUSC 200 | 0 | |
| MUSC 401 | 0 | |
| MUVC 420 | 2 | |
| MUVC 460 | 1 | |
| Quantitative Reasoning Elective* | 3 | |
| Social Sciences Elective* | 3 | |

**Music Major, BM – Woodwind and Percussion Instruments Concentration**

| |
|---|
| **Term 6** |

| | | |
|---|---|---|
| MUIN 310, MUIN 320, or MUIN 330 | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| MUTH 320 | 2 | |
| Music Ensemble | 1 | |
| Music Performance (300-level) | 3 | |
| Natural Sciences Elective* | 3 | |
| Elective | 3 | |
| **Term 7** | | |
| MUED 310 | 3 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUSC 200 | 0 | |
| Music Electives | 4 | |
| Music Ensemble | 1 | |
| Music Performance (400-level) | 3 | |
| Quantitative Reasoning Elective* | 3 | |
| **Term 8** | | |
| Communicating Orally Elective* | 3 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUSC 200 | 0 | |
| MUSC 401 | 0 | |
| Music Ensemble | 1 | |
| Music Performance (400-level) | 3 | |
| Quantitative Reasoning Elective* | 3 | |
| Electives | 4 | |

**Pre-Professional Programs Major, BS – Pre-Dentistry Concentration**

| | | |
|---|---|---|
| **Term 6** | | |
| Arts and Humanities (List A)* | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| BCMB 402 or BCMB 412 | 4 | |
| Communicating through Writing Elective* | 3 | |
| BIOL 220-BIOL 229 or EEB 240 | 4 | |
| [2]Connections | 3 | |
| **Term 7 and 8** | | |
| Completion of one year at the University of Tennessee Health Science Center in Memphis. | | Term 7: Completion of at least 24 upper-division (300-400 level) hours and Term 8: Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |

**Pre-Professional Programs Major, BS – Pre-Law Concentration**

| | | |
|---|---|---|
| **Term 7 and 8** | | |
| Completion of one year at the University of Tennessee College of Law in Knoxville. | | Term 7: Completion of at least 24 upper-division (300-400 level) hours and Term 8: Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |

**Pre-Professional Programs Major, BS – Pre-Medicine Concentration**

| | | |
|---|---|---|
| **Term 6** | | |
| Arts and Humanities (List A)* | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| Communicating through Writing Elective* | 3 | |
| [2]Social Sciences* | 3 | |
| [3]Connections | 6 | |
| Elective | 0-2 | |
| **Term 7 and 8** | | |
| Completion of one year at the University of Tennessee Health Science Center in Memphis. | | Term 7: Completion of at least 24 upper-division (300-400 level) hours and Term 8: Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |

**Pre-Professional Programs Major, BS – Pre-Veterinary Medicine Concentration**

| | | |
|---|---|---|
| **Term 6** | | |
| BCMB 402 | 4 | Completion of at least 9 upper-division (300-400 level) hours |

| | | |
|---|---|---|
| | | ~~No milestones~~ |
| [2]Biology Elective | 4 | |
| Communicating through Writing Elective* | 3 | |
| [3]Connections | 6 | |
| **Term 7 and 8** | | |
| Completion of one year at the University of Tennessee College of Veterinary Medicine. | | Term 7: Completion of at least 24 upper-division (300-400 level) hours and Term 8: Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |

**Statistics Major (Arts and Sciences), BS**

| | | |
|---|---|---|
| **Term 4** | | |
| Foreign Language or Elective | 3 | STAT 201* or STAT 251 |
| MATH 251 (or approved upper division mathematics course) | 3 | MATH 142* |
| Natural Sciences Lab (continuation of sequence)* | 4 | ENGL 102* |
| [1]Elective | 3 | |

Justification: The English 101-102 requirements encourages students to complete those requirements earlier rather than later so that they will have the prerequisite skills in later writing intensive courses in their major. The Upper-Division hours requirements are to keep students on track to meet the requirement of 42 hours at graduation. Because of the new (as of Fall 2013) A&S curriculum, students may meet the Connections package by various means, including lower-division courses, so we cannot guarantee that a student will reach 42 though the A&S requirements and the major requirements.
Note: these were included in a prior change and is already in the current catalog, but there was a question about whether it had gone through the proper process. This has been reviewed by the College of A&S Curriculum Committee and each department has been informed and been allowed to provide updates to their individual Showcase/UTrack.

**DEPARTMENT OF ANTHROPOLOGY**
**(ANTH) Anthropology**

Anthropology Major, BA
1. Students will demonstrate an understanding of the core knowledge, methods and theories of archaeology.
2. Students will demonstrate an understanding of the core knowledge, methods and theories of Biological Anthropology.
3. Students will demonstrate an understand of the core knowledge, methods and theories of Cultural Anthropology.

**ADD**

**ANTH 306 – Dental Anthropology (3)**
Provides advanced undergraduate students with an in depth knowledge of the human dentition and a thorough understanding of the current research issues in dental anthropology.

**ANTH 451 – Hunter-Gatherers (3)**
Examines current literature and thinking about hunter-gatherers worldwide, encompassing archaeological, biological anthropological, and cultural anthropological approaches. Humanity has followed a hunting-gathering way of life for much of its existence and understanding this way of life helps us to understand what it means to be human.
*Recommended Background: Introductory classes in archaeology and anthropology.*

**ANTH 452 – Paleoindian Archaeology (3)**
Examines the archaeological, bioanthropological, linguistic and paleoenvironmental evidence associated with the initial human settlement of the Americas during the Late Pleistocene. The initial human colonization of other parts of the world will also be briefly explored, as will theories and approaches to the study of human migration.
*Recommended Background: Introductory classes in archaeology and anthropology.*

*Rationale:* All of these courses have been taught for several years under special topics numbers and have been used to fulfill course requirements for the major. As regular offerings, they now need their own numbers. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* 1, 2, 3. *Support from Assessment Activities:* Anth 306 was indicated as a need by prior assessments. Others supported by general needs in Anthropology.

**ANTH 483 – Evolutionary Biology for Anthropologists (3)**
This lecture course provides advanced undergraduate students with a fundamental background in evolutionary biology, both from historical and modern theoretical perspectives.
*(RE) Prerequisite(s): 110 or 117.*
*Recommended Background: Human osteology and Human evolution.*

*Rationale:* This course will fulfill missing fundamental theoretical curriculum. While evolutionary theory is a key component of anthropology, UG students at UT only have two opportunities to learn aspects of it: ANTH 110 (Human Origins) is an introductory course and ANTH 495 (Paleoanthropology) deals with fossils and only indirectly with theory. *Impact on other units:* None. *Financial impact:* None.

*Program Learning Outcomes:* 2. *Support from Assessment Activities:* Assessments AY 12-13, 14-15 indicated students need more biological theory.

**REVISE REQUIREMENTS**

**Anthropology Major, BA**

**Select one course:**

**Archaeological Method and Theory:**

- ANTH 451 – Hunter-Gatherers

**Select one course:**

**Archaeological Area**

- ANTH 452 – Paleoindian Archaeology

**Select two courses:**

**Biological Anthropology:**

- ANTH 306 – Dental Anthropology
- ANTH 483 – Evolutionary Biology for Anthropologists
- ~~ANTH 485 – Oral Biology~~

**Anthropology Major, BA – Disasters, Displacement and Human Rights Concentration**

**Select 15 additional hours:**

**Archaeological Method and Theory**

- ANTH 451 – Hunter-Gatherers

**Archaeological Area**

- ANTH 452 – Paleoindian Archaeology

**Biological Anthropology**

- ANTH 306 – Dental Anthropology
- ANTH 483 – Evolutionary Biology for Anthropologists
- ~~ANTH 485 – Oral Biology~~

*Rationale:* Updating the major concentrations to add new courses where appropriate and removing a course no longer needed. *Impact on other units:* None. *Financial impact:* None.

**SCHOOL OF ART**

Art Education Major, BA/BFA

1. Demonstrates understanding of the central concepts, tools of inquiry, and structures of the discipline(s) he/she teaches and can create learning experiences that make these aspects of subject matter meaningful for students.
2. Demonstrates understanding of how children learn and develop, and can provide learning opportunities that support their intellectual, social, and personal development.
3. Demonstrates understanding of how students differ in their approaches to learning and creates instructional opportunities that are adapted to diverse learners.
4. Demonstrates use of a variety of instructional strategies to encourage development of critical thinking, problem solving and performance skills in students.
5. Plans instruction based upon knowledge of subject matter, students, the community and curricular goals.

Art History Major, BA

1. Students will demonstrate competence in the analysis of form and content of works of art.
2. Students will be able to identify and explain significant works of art in at least four different areas of the history of art within historical, cultural, and philosophical contexts.
3. Differentiate and interpret works of art through the basic methods of investigation for research in the history of art.
4. Develop skills in critical analysis particular to the discipline of art history through oral and written expression.

Art Major, BA

1. Student will be proficient in their concentration within Studio Art.
2. Students will use a critical language for the visual arts.
3. Students will be able to combine their art making with, and connect their artwork to, their experiences in the study of other Liberal Arts disciplines.

Graphic Design Major, BFA

1. A Graphic Design major (BFA) will be able to analyze, criticize, execute, and communicate design concepts in verbal, visual, and written forms across various media.
2. A Graphic Design major (BFA) will understand and frame design within social, cultural, and technological contexts.
3. A Graphic Design major (BFA) will explore, discover, and refine their personal creative process and be able to provide reflection on personal growth at the conclusion of each semester.
4. Graphic Design majors (BFA) will be able to carry out self-directed research by analyzing an existing problem and by synthesizing these findings to develop a strategic solution.

Studio Art Major, BFA

1. A Studio Art major (BFA) will create a body of artwork for public exhibition.

2. A Studio Art major (BFA) will use a critical language for the visual arts.
3. A Studio Art major (BFA) will express his/her artistic ideas in visual, verbal, and written forms.
4. Studio Art majors (BFA) will present themselves professionally through assemblage of artist portfolios, statements, and resumes.

**(ART) Art**

**ADD**

**ART 402 – Art and Culture (3-4)**
This course will examine art, culture and ideology. Course content and format (studio and/or lecture) may vary.
*Repeatability: May be repeated if content changes. Maximum 8 hours.*
*(RE) Prerequisite(s): ARTA 312, ARTA 314, ARTA 330, ARTA 360, ARTB 320, ARTB 340, ARTC 330, or ARTD 350, or permission of instructor.*

*Rationale:* This course has been offered as a topics course several times under the title "Young Money Cash Money: On the "Relevance of Culture" by one faculty member. It is now being added with a more general title, to allow multiple faculty members to teach a course that considers art and its relationship to culture from the point of view of artists. The course provides a different perspective from other studio art courses in that it is multidisciplinary, incorporates more theory, and is designed to appeal to students from all areas of art and design as well as students from outside the Art department. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* Art-BA 3, Graphic Design-BFA 2, Art History-BA 2. *Support from Assessment Activities:* None indicated.

**(ARTH) Art History**

**ADD**

**ARTH 421: Greek Art (3)**
Achievements of Greek art in architectural decoration, sculpture, minor arts, and painting from their beginnings in the Geometric period, through the Classical periods of the fifth century BC, to their dissemination during the Hellenistic period across the Mediterranean, Europe, and the Near East. Special emphasis on stylistic developments, the contributions of known artists, and the relationship between art and various aspects of Greek life and thought.

**ARTH 422: Roman Art (3)**
Architecture, sculpture, and painting during the 1000+ years of Rome's cultural dominance from the hyper-realism of the Republic, to Classical beauty of the Augustan age, and abstract symbolism in Late Antiquity. Considers how adaptations of earlier traditions such as the Greek and Etruscan and the diverse artistic heritages encompassed within the empire fused into something new and substantially different than what had come before.

*Rationale:* These courses have been offered multiple times as special topics courses which tend not to garner as large enrollments as courses listed in the catalog and on DARS. Adding these courses will also insure course topics appear on students' transcripts and allow them to be included in Connections Packages. *Impact on other units:* Since most of the enrollment in upper-division art history classes comes from Studio Art and Graphic Design UG majors and grad students, and since art history majors will be allowed to take similar courses in Classics as well, we do not believe there is an impact. *Financial impact:* None.
*Program Learning Outcomes:* Art History-BA 1, 2. *Support from Assessment Activities:* Not from an assessment but from review of curriculum identified this as a missing area.

**ARTH 474: Transatlantic Modernism (3)**
American-European artistic exchange during the first three decades of the 20th century leading to the creation of an art that was both modern and American. Considers Alfred Stieglitz, Georgia O'Keeffe, Gerald Murphy, Marsden Hartley, Gertrude Stein, Josephine Baker, Arthur Dove, Marcel Duchamp, and others.

*Rationale:* Course has been offered multiple times as a special topics course. Special topics courses tend not to garner as large enrollments as courses listed in the catalog and on DARS. Adding this course will also insure the course topic appears on students' transcripts and will allow the course to be included in Connections Packages. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* Art History-BA 1, 2. *Support from Assessment Activities:* None given.

**REVISE REQUIREMENTS**

**Art History Major, BA**
**Requirements for the Bachelor of Arts, Art History Major**

**II. Major (30 hours)**
- **A. Select one course from four of the five areas (12 hours):**
  **American**
  - ARTH 474 – Transatlantic Modernism

*Rationale:* Placing a newly added course into the appropriate area of the major. *Impact on other units:* None. *Financial impact:* None.

**DIVISION OF BIOLOGY**
**(BIOL) Biology**

Biological Sciences Major, BS
1. Students will be able to articulate the five major concepts of Biology (Evolution, Structure and Function, Information Flow and Storage, Transformations of Energy and Matter, Systems)
2. Students will demonstrate an ability to interpret visual representations and evaluate data and come to a conclusion
3. Students will be able to articulate empirically-testable hypotheses and experimental designs

**ADD**

**BIOL 106 – The Living City (3)**
More than half the world's population lives in cities and is directly involved in ecological and evolutionary processes governing urban environments. Cities are unique ecosystems that develop novel organismal communities, alter weather patterns, and concentrate resources. We will investigate urban ecosystems, and the health and financial implications for people.

*Rationale:* With the change in the new NS requirements we are creating single semester non-lab biology courses that we think will be of general interest to students. This course reflects the growing reality that students experience nature in cities, and emphasizes its importance on the planet. *Impact on other units:* None. *Financial impact:* None.

**BIOL 113 – Introductory Plant Biology I (3)**
Introduction to the principles of plant biology including cell biology, respiration, photosynthesis, genetics (including mitosis, meiosis, Mendelian inheritance, gene expression) and classification and diversity of the prokaryotes, fungi, protista, and plant kingdoms.
*Comment(s): Although not required, it is recommended 113-114 be taken in sequence.*
*Credit Restriction: Cannot receive credit for both 111 and 113.*

**BIOL 114 – Introductory Plant Biology II (3)**
Topics include plant anatomy, growth and nutrition, mechanisms of evolution, speciation, ecology (population, community, and ecosystem), and the interactions between plants and people (including origin of agriculture, the Green Revolution, genetic modification, plants as medicines, and a survey of current environmental issues related to plant biology).
*Comment(s): Although not required, it is recommended 113-114 be taken in sequence.*
*Credit Restriction: Cannot receive credit for both 112 and 114.*

**BIOL 115 – Introductory Plant Biology Laboratory (2)**
Laboratory work will analyze plant structure, morphology, and function, with an emphasis on methods for observation, identification, and data collection. The discussion will focus on skills of biological experimentation, including designing experiments, analyzing data, reading scientific figures, and scientific communication.
*Contact Hour Distribution: 1 hour discussion and one 2-hour lab.*
*Recommended Background: 113 or 114 or equivalent.*

**DROP**

***BIOL 111 – General Botany (4)**
***BIOL 112 – General Botany (4)**

Equivalency Table
*BIOL 113 and 114 are not true equivalencies to BIOL 111 and 112, but can be used to satisfy the 111 and 112 requirements.*

| Current Courses | Equivalent Courses Effective Fall 2016 |
|---|---|
| BIOL 111 and BIOL 112 | BIOL 113 and BIOL 114 and BIOL 115 |
| BIOL 111 | BIOL 113 and BIOL 115 |
| BIOL 112 | BIOL 114 and BIOL 115 |

*Rationale:* Removing the labs from the former botany courses and combining them into a 2-credit, one semester course will allow more flexibility in how students take the courses and how they can combine them with the introductory biology courses. *Impact on other units:* Will impact those departments who currently require Biology 111 and 112 as part of their curriculum, primarily units in CASNR. Biology reps have met with them several times about the changes to seek their ideas and preferences and tried to honor their input in the creation of the new courses. *Financial impact:* None.
*Program Learning Outcomes:* Biological Sciences-BS 1, 2, 3. *Support from Assessment Activities:* Review of curriculum against national academy recommendations.

**DEPARTMENT OF CLASSICS**
**(CLAS) Classics**

Classics Major, BA
1. Student demonstrates an ability to analyze the primary sources, textual or non-textual, and construct an effective argument using the recognized evidentiary standards of the discipline.
2. Student demonstrates comprehension of primary sources of the study of the discipline of classics, textual or non-textual.
3. Student demonstrates advanced research and information literacy skills, including critical use of both print and electronic media, as well as appropriate acknowledgment of both primary and secondary sources.

**ADD**

**CLAS 439 – Pompeii (3)**
Study of Pompeii and adjacent archaeological sites buried during the eruption of Mt. Vesuvius in 79 CE. A combination of textual, visual, and archaeological approaches will be used to examine how ancient inhabitants of the region of Campania lived and died. Topics include the modern discovery of Pompeii and Herculaneum, ancient urbanism, domestic and public space, politics, entertainment, slavery, villas and the life of luxury on the Bay of Naples, and finally the catastrophic moment of the cities' destruction. Writing-emphasis course.

*Rationale:* Course proposal by a new faculty member to expand offerings, as well as to introduce a two-year rotation for a preexisting course (SLAS 436) that is currently offered on a one-year rotation. Courses on Pompeii and the Vesuvian cities are attractive to students and are sufficiently frequent in Classics or related departments nationwide. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* Classics-BA 1, 2, 3. *Support from Assessment Activities:* AY 14-15 assessment indicated students needed more information literacy and opportunities for undergraduate research. This course has a focus on modern discipline methodology for archaeology.

**DEPARTMENT OF EARTH AND PLANETARY SCIENCES**
**(GEOL) Geology**

Geological & Environmental Studies Major, BS
1. Indicate knowledge of basic principles of Geology and Environmental Studies.
2. Demonstrate the ability to engage in the scientific process through the collection and evaluation of data, testing of hypotheses, communication of the results.
3. Illustrate critical thinking and communication skills necessary to address issues in geology and environmental studies at the core level.

**ADD**

**GEOL 292 – Careers in Geology and Environmental Studies (1)**
Introduction to the range of careers in geology and environmental studies, and how students can optimize their course of study to prepare for these careers, and build skills necessary for the job search or graduate school application process. This includes discussion of internships, minors, undergraduate research, and other activities that can enhance students' CVs and better prepare them for their careers.

*Rationale:* Students have a strong interest in this subject and there are no comparable undergraduate "for credit" courses in EPS or related departments. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* None. *Support from Assessment Activities:* From curriculum review.

**GEOL 462 – Environmental Aqueous Geochemistry (3)**
A survey of fundamental geochemical principles as applied to the fate and transport of inorganic and organic constituents in natural waters. Topics include thermodynamics, activity-concentration relations, mineral solubility and stability, chemical speciation and redox state of natural waters, and water-rock-biota interactions. Course will emphasize geochemical modeling to test hypotheses, explore assumptions, approximations, and equilibria in natural geochemical systems.
*Credit Restriction: Students cannot receive credit for both 462 and 562.*
*(DE) Prerequisite(s): CHEM 130 and MATH 141, 147, or 151, or consent of instructor.*
*Recommended Background: 310, and completion of or concurrent enrollment in 330 or 340.*

*Rationale:* This course supersedes GEOL 460. The course number was changed to reflect differences in emphasis and course hours. *Impact on other units:* No impact. *Financial impact:* No impact.
*Program Learning Outcomes:* Geological and Environmental Studies-BS 1, 2, 3. *Support from Assessment Activities:* None. Non-minor change to an existing course.

**DROP**

**GEOL 460 – Principles of Geochemistry (4)**

*Rational:* This course is being replaced by the new course GEOL 462. *Impact on other units:* None. *Financial impact:* None.

Geology Equivalency Table

| Current Course | Equivalent Course Effective Fall 2016 |
|---|---|
| GEOL 460 | GEOL 462 |

**ECONOMICS (ARTS AND SCIENCES)**

**REVISE REQUIREMENTS**

**Economics Major (Arts and Sciences), BA**

**Prerequisites**

**Select one course:**
- ~~ECON 201 – Introductory Economics: A Survey Course*~~
- ~~ECON 207 – Honors: Introductory Economics*~~
- ECON 211 – Principles of Microeconomics
- ECON 217 – Honors: Principles of Microeconomics

**Select one course:**
- ECON 213 – Principles of Macroeconomics
- ECON 218 – Honors: Principles of Macroeconomics
- ~~STAT 201 – Introduction to Statistics*~~
- ~~STAT 207 – Honors: Introduction to Statistics*~~

**Select one course:**
- STAT 201 – Introduction to Statistics*
- STAT 207 – Honors: Introduction to Statistics*

**Honors Concentration**

The honors concentration consists of **30 upper-division hours** in economics. Admission is limited to students with an overall GPA of 3.2 who have earned a B or better in ECON 311, ECON 313, and two other upper-division economics courses. ECON 381 (Econometrics) is strongly recommended to Honors students, and valuable to take prior to the Honors Thesis. In addition to ECON 498 students in the honors concentration are required to have 9 hours of other honors courses which may include honors-by-contract courses.

**Economics (Arts and Sciences) Minor**

**Prerequisites**

**Complete:** ~~**Select one course:**~~
- ECON 201 – Introductory Economics: A Survey Course*

Or
- ECON 207 – Honors: Introductory Economics*

Or
- ECON 211 – Principles of Microeconomics (or ECON 217 – Honors: Principles of Microeconomics) and ECON 213 – Principles of Macroeconomics (or ECON 218 – Honors: Principles of Macroeconomics)

*Rationale:* These changes were initiated by the Department of Economics in the Haslam College of Business to make the Arts and Sciences consistent with their changes. *Impact on other units:* Department of Economics revisions. *Financial impact:* None.

**Requirements for Economics Major (Arts and Sciences)**

| | | |
|---|---|---|
| **Term 3** | | |
| Arts and Humanities (List A)* | 3 | Complete at least 36 hours by the end of the term |
| Communicating Orally Elective* | 3 | |
| ECON 211 or 217 ~~ECON 201* or ECON 207*~~ | 3 ~~4~~ | |
| [1]Electives | 6 ~~5~~ | |
| **Term 4** | | |
| Arts and Humanities (List A or B)* | 3 | ECON 211 ~~ECON 201*~~ |
| Communicating through Writing Elective* | 3 | ENGL 102* |
| Non-U.S. History* | 3 | STAT 201* |
| ECON 213 or ECON 218 ~~Economics (major)~~ | 3 | |
| [1]Elective | 3 | |

**DEPARTMENT OF ENGLISH**
**(ENGL) English**

English Major, BA
1. Students will be able to analyze and interpret literary and non-literary texts.
2. Students will be able to construct effective arguments.
3. Students will be able to demonstrate effective writing skills.
4. Students will be able to demonstrate advanced research and information literacy skills.

**REVISE, ADD CREDIT RESTRICTION**

**ENGL 101 – English Composition I (3)**
*Credit Restriction: Students with credit for 118, 131 or 198 may not receive credit for 101.*

**ENGL 102 – English Composition II (3)**
*Credit Restriction: Students with credit for 132, 298 or 290 may not receive credit for 102.*

**ENGL 118 – Honors English Composition (3)**
*Credit Restriction: Students with credit for 101, 131 or 198 may not receive credit for 118.*

**ENGL 131 – Composition for Non-Native Speakers of English I (3)**
*Credit Restriction: Students with credit for 101, 118 or 198 may not receive credit for 131.*

**ENGL 132 – Composition for Non-Native Speakers of English II (3)**
*Credit Restriction: Students with credit for 102, 298 or 290 may not receive credit for 132.*

*Rationale:* Discussion during the Curriculum Committee meeting included a need to clarify the equivalencies between composition courses, including the new classes below. This, and adding credit restrictions to the new courses, satisfies that need. *Impact on other units:* None. *Financial impact:* None.

**ADD**

**ENGL 198 – Chancellor's Honors Writing I (3)**
Intensive writing and research instruction, with emphasis on critical inquiry, rhetorical analysis, persuasion/argumentation, and primary and secondary source research. Course topic includes exploration of debates concerning "human nature." Includes the study of longer works of nonfiction in addition to a selection of interdisciplinary readings.
*Grading Restriction(s): A, B, C, No Credit grading only.*
*Comments: Restricted to Chancellor's Honors Program students.*
*Credit Restriction: Students with credit for 101, 131 or 118 may not receive credit for 198.*

*Rationale:* The Chancellor's Honors Program (CHP) is redesigning its core curriculum. All CHP students will be required to take both English 198 and English 298. For those who have already satisfied the FYC requirement through AP or dual enrollment, these courses are still required as part of the CHP curriculum. This sequence will satisfy the first-year composition requirement for those CHP students required to take coursework, instead of 118 plus a 200-level English course. The credit restriction *clarifies the equivalencies between composition courses. Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* For Chancellor's Honors Program

**DROP**

**ENGL 262 – Introduction to Poetry Writing (3)**

*Rationale:* ENGL 262 and 264 courses are being merged into one multidisciplinary creative writing course, ENGL 263. *Impact on other units:* None. *Financial impact:* None.

**ADD**

**ENGL 263 – Introduction to Creative Writing (3)**
Practice in creative writing with an emphasis on fiction and poetry, combined with study of models and techniques.
*(RE) Prerequisite(s): 102 or 118.*

*Rationale:* The creative writing division would like to merge English 262 (Introduction to Poetry Writing) and English 264 (Introduction to Fiction Writing) into a single course, 263 (Introduction to Creative Writing), with similar changes to the honors sections 267 and 268 merging into 277. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* English-BA 1, 3. *Support from Assessment Activities:* Replacement for existing courses

**DROP**

***ENGL 264 – Introduction to Fiction Writing (3)**

*Rationale:* ENGL 262 and 264 courses are being merged into one multidisciplinary creative writing course, ENGL 263. *Impact on other units:* None. *Financial impact:* None.

**ENGL 267 – Honors: Introduction to Poetry Writing (3)**
***ENGL 268 – Honors: Introduction to Fiction Writing (3)**

*Rationale:* These two courses are being merged into one multidisciplinary creative writing course, ENGL 277. *Impact on other units:* None. *Financial impact:* None.

**ADD**

**ENGL 277 – Honors: Introduction to Creative Writing (3)**
Enriched section of 263.
*(RE) Prerequisite(s): 102 or 118.*
*Registration Restriction(s): 3.25 GPA or consent of instructor.*

*Rationale:* The creative writing division would like to merge English 262 (Introduction to Poetry Writing) and English 264 (Introduction to Fiction Writing) into a single course, 263 (Introduction to Creative Writing), with similar changes to the honors sections 267 and 268 merging into 277. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* English-BA 1, 3. *Support from Assessment Activities:* Replacement for existing courses

**ENGL 290 – Intermediate Writing and Research (3)**
Intensive practice in conducting and writing original research. Critiquing current scholarship to determine gaps in a research problem; locating, organizing, evaluating, integrating, and documenting diverse sources in order to construct and support research-based arguments; identifying salient features of different kinds of researched writing.
*(RE) Prerequisites:* 101 through AP Credit.
*Comment: Students are required to have ACT English and composite scores at or above 29 or SAT critical reading and composite scores of 680 and 1280. This course completes the first-year composition requirement.*
*Credit Restriction: Students with credit for 102, 132 or 298 may not receive credit for 290.*

*Rationale:* Starting in Fall 2016, students who get a 4 or 5 on the Literature and Composition exam will get credit for English 101 only instead of both 101 and 102. In order to give these students the opportunity for enhanced writing options, we propose a new 200-level intermediate research and writing course that students who get credit for 101 through AP exams and who are eligible for 118 could choose to take instead of English 102, and doing so would complete their first-year composition requirement. The credit restriction *clarifies the equivalencies between composition courses. Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* Alternate for ENGL 102; general feedback about improving students writing skills

**ADD**

**ENGL 298 – Chancellor's Honors Writing II (3)**
Intensive writing and research instruction to build upon English 198, with emphasis on strategies for conducting independent research, locating and evaluating information, using varied sources and research methods, developing positions based on evidence, and writing up research using appropriate conventions within different disciplines. Course topic includes exploration of debates concerning the pursuit of truth and knowledge within different disciplines.
*Grading Restriction(s): A, B, C, No Credit grading only.*
*(RE) Prerequisite(s): ENGL 198*
*Comment(s): Restricted to Chancellor's Honors Program students.*
*Credit Restriction: Students with credit for 102, 132 or 290 may not receive credit for 298.*

*Rationale:* The Chancellor's Honors Program (CHP) is redesigning its core curriculum. All CHP students will be required to take both English 198 and English 298. For those who have already satisfied the FYC requirement through AP or dual enrollment, these courses are still required as part of the CHP curriculum. This sequence will satisfy the first-year composition requirement for those CHP students required to take coursework, instead of 118 plus a 200-level English course. The credit restriction *clarifies the equivalencies between composition courses. Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* For Chancellor's Honors Program

**ADD AND CROSS LIST**

**†ENGL 303 – American Cultures (3)**
American literature across historical periods and in dialogue with social movements and significant developments in other arts.
(*Same as American Studies 303.)*
*(RE) Prerequisite(s): 102 or 118.*

*Rationale:* English 303 mirrors 301 and 302, the two courses the department offers in British Culture. It will fill a gap in the English undergraduate curriculum while expanding course offerings at the 300-level. It will offer interested students a solid foundation in American literature and encourage them to make connections between major texts, historical periods, and broader aesthetic and intellectual developments. *Impact on other units:* Cross listed with American Studies. *Financial impact:* None.
*Program Learning Outcomes:* English-BA 1, 3. *Support from Assessment Activities:* Curriculum review to match courses in other areas.

**REVISE REQUIREMENTS**

**English Major, BA – Creative Writing Concentration**
**English Major**
**Select one course from each area:**
**Language, Theory, Folklore, Cultural, Ethnic, Gender, or Film Studies**
- ENGL 339 – Children's/Young Adult Literature

**English Major, BA – Literature Concentration**
**English Major**
**Select one course from each area:**
**Language, Theory, Folklore, Cultural, Ethnic, Gender, or Film Studies**
- ENGL 339 – Children's/Young Adult Literature

**Literature Concentration**
**Select one American literature course:**
- ENGL 444 – Appalachian Literature and Culture

**English Major, BA – Rhetoric and Writing Concentration**
**English Major**
**Select one course from each area:**
**Language, Theory, Folklore, Cultural, Ethnic, Gender, or Film Studies**
- ENGL 339 – Children's/Young Adult Literature

**English Major, BA – Technical Communication Concentration**
**English Major**
**Select one course from each area:**
**Language, Theory, Folklore, Cultural, Ethnic, Gender, or Film Studies**
- ENGL 339 – Children's/Young Adult Literature

*Rationale:* 339 and 444 were added as new courses several years ago but were not added to the major description in the appropriate lists. These change proposals correct this mistake. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF GEOGRAPHY**
**(GEOG) Geography**

Geography Major, BA
1. Students will be able to design and illustrate spatial data through maps that can be understood by a general audience.
2. Students can design a research project and create a research portfolio to be used in career preparation.
3. Students can identify job opportunities in the public, private, and academic sectors. Additionally, students will be prepared to explore these opportunities.

**ADD**

**GEOG 200 – Environmental Issues in National Parks (3)**
Major environmental issues faced by national parks and other protected areas in the U.S. and abroad, including invasive species, changes in fire regimes, water and air pollution, visitor impacts, and climate change. Focus on interactions between physical and biological processes and human activities.

*Rationale:* This course should appeal to students looking for a lower-division course that builds on Geography 131/137 and 132. 300-level Geography courses related to the environment are very popular with Geography majors and across the college and a 200-level course should also attract strong interest. By including consideration of environmental issues in international parks the course will help students develop a global perspective and will complement our regional geography offerings. The department is requesting to have the course approved for Natural Science Gen Ed credit and if accepted, it will increase options for students looking for non-lab courses in natural science. *Impact on other units:* No direct impact. *Financial impact:* None.
*Program Learning Outcomes:* For non-majors (and majors). *Support from Assessment Activities:* None.

**DROP**

**GEOG 310 – Introduction to Cartography (3)**

*Rationale:* This course will no longer be taught due to staffing and/or curriculum changes. *Impact on other units:* None. *Financial impact:* None.

**ADD**

**GEOG 311 – Geovisualization and Geographic Information Science (3)**
Basic concepts and methods of geovisualization and geographic information science, including properties, sources, uses, design, and production of maps and basic spatial analysis functions.

*Rationale:* Will replace GEOG 310 Introduction to Cartography, a required course for majors which traditionally focused on mapping and cartography. 311 will expand the content to include more introductory GIS so that students can explore more advanced GIS knowledge in 411 and other related courses. *Impact on other units:* No direct impact. *Financial impact:* None.
*Program Learning Outcomes:* Geography-BA 1. *Support from Assessment Activities:* Replacement of existing course; more modern focus

Geography Equivalency Table

| Current Course | Equivalent Course Effective Fall 2016 |
|---|---|
| GEOG 310 | GEOG 311 |

**DROP**

**GEOG 365 – Geography of Appalachia (3)**
**GEOG 366 – Geography of Tennessee (3)**
**GEOG 419 – Practicum in Cartography/Remote Sensing (2-6)**
**GEOG 421 – Geography of Folk Societies (3)**

*Rationale:* These courses will no longer be taught due to staffing and/or curriculum changes. *Impact on other units:* None. *Financial impact:* None.

**ADD**

**GEOG 341 – Contemporary Urban Spaces (3)**
Geographical and theoretical examination of models and concepts for socio-cultural changes occurring in contemporary urban spaces due to globalization and changing economic landscapes at various scales.

*Rationale:* Course will strengthen the theoretical and conceptual understanding of urban spaces and urban society in contemporary settings and will prepare students for upper division courses such as 441, 442, 445, and 541. Topics discussed will speak to interdisciplinary students from many disciplines. *Impact on other units:* No direct impact. *Financial impact:* None.
*Program Learning Outcomes:* ? *Support from Assessment Activities:* None.

**GEOG 412 – GIS for Environmental and Socio-economic Applications (3)**
Integrates spatial analysis and modeling with GIS for real-world environmental and socio-economic applications.
*(DE) Prerequisite(s): 411 or consent of instructor.*

**GEOG 416 – GIS Project Management (3)**
Interactions between management, technical, and application aspects of Geographic Information Systems project through simulated environment of real-world GIS sites.
*(DE) Prerequisite(s): 411 or consent of instructor.*

**GEOG 420 – GIS in the Community (3)**
A service learning course. Devise and implement a project using geographic techniques and technologies.
Recommended background: Prior course experiences including at least one of the following: urban studies, GIS, qualitative or quantitative methods.
*Grading Restriction: Letter grade only.*
*Repeatability: May be repeated with consent of department. Maximum 6 hours.*

*Rationale:* These courses will fill a growing demand among students across campus about GIS knowledge and specialized skills to carry out various real-world applications. Such knowledge and skills tremendously increase job prospects of UT graduates. *Impact on other units:* No direct impact. *Financial impact:* None.
*Program Learning Outcomes:* Geography-BA 1. *Support from Assessment Activities:* Supports new concentration

**GEOG 431 – Environmental History from Lake Sediments (3)**
Analysis of pollen grains, charcoal fragments, and other materials in lake sediments as proxy indicators of past vegetation, climate, human activity, and natural disturbances.
*Contact Hour Distribution: 2 hours lecture and 2 hours lab*
*Recommended Background: Introductory physical geography or course work in botany, ecology, or geology.*

*Rationale:* Much of this material was formerly taught in GEOG 530, which is being dropped. We believe that teaching the course at the 400-level with a scheduled lab will better serve both graduate students and undergraduates. *Impact on other units:* No direct impact. Students from other units may find the course of interest. *Financial impact:* None.
*Program Learning Outcomes:* ? *Support from Assessment Activities:* None given.

**GEOG 444 – The Age of Migration (3)**
Global overview of international migration trends, theories of migration, and national and local case studies.

*Rationale:* Will provide students with "background, tools, and experience needed to effectively obtain and analyze date on population, population issues, legal and illegal migration," as stipulated by the Livingston Professorship Endowment for the Department of Geography. Course will be included in the newly created Space, Society and Culture Concentration, a connections package, and Global Challenges. Course does not compete with ANTH 325, Migration and Transnationalism, as this course takes a global, national and local perspective on migration issues, grounding migration issues in contemporary geography theories. *Impact on other units:* No direct impact. *Financial impact:* None.
*Program Learning Outcomes:* ? *Support from Assessment Activities:* None given.

**GEOG 446 – The Livable City (3)**
Theory and practice of urban livability. History and scope of the livable-city movement. Writing-emphasis course

*Rationale:* This course deepens our new urban concentration. *Impact on other units:* No direct impact. *Financial impact:* None.
*Program Learning Outcomes:* ? *Support from Assessment Activities:* None given

**GEOG 453 – Extreme Weather Climatology (3)**
Spatial patterns and temporal trends of extreme weather events. Observing, forecasting, and modeling events and their impacts.
*Recommended Background: Introductory physical geography or course work in climatology, meteorology, or atmospheric science.*

*Rationale:* This course, developed by a new faculty member, will support the proposed Climate and Climate Change concentration in the Geography major. *Impact on other units:* No direct impact. *Financial impact:* None.
*Program Learning Outcomes:* ? *Support from Assessment Activities:* None given.

**GEOG 462 – Geographies of Race and Racism (3)**
Analyzes and explores the origins, development and diffusion of the concept of race, and the social, cultural and geographical manifestations of race and racism in different regions and at different historical periods.

*Rationale:* Draws on the experience and expertise of a new faculty member who has taught courses that comparatively look at constructions of race and ethnicity in the US and Latin America. Course should contribute well to the human geography curriculum and the other research interests and expertise of other Geography faculty. *Impact on other units:* None. *Financial impact:* None. *Program Learning Outcomes:* ? *Support from Assessment Activities:* None given

**DROP**

**♦ GEOGRAPHY MAJOR, BA – HONORS CONCENTRATION**

**ADD**
**Note: The Geography Major, BA will now require a concentration.**

**♦ Geography Major, BA – Climate and Climate Change Concentration**

Students who enter the major having completed a laboratory science sequence other than geography may petition the department to waive the GEOG 131*/GEOG 137* and GEOG 132* requirements. Students who enter the major with more than 60 hours credit may petition the department to waive the GEOG 101* or GEOG 121* requirement.

**College Requirements**
**Arts and Sciences**

**Prerequisites**
**Select one course:**
- GEOG 131 – Weather, Climate, and Climate Change*
- GEOG 137 – Honors: Weather, Climate, and Climate Change*

**Complete:**
GEOG 132 – Landscapes and Environmental Change*

**Select one course:**
- GEOG 101 – World Geography*
- GEOG 111 – Our Digital Earth*
- GEOG 121 – Human Geography: People and Places*

**Major requirements**
**Complete:**
- GEOG 311 – Geovisualization and Geographic Information Science
- GEOG 415 – Quantitative Methods in Geography
- GEOG 499 – Practicing Geography

**Select five courses (at least 15 hours):**
- GEOG 331 – Natural Hazards
- GEOG 333 – Climate Change and Human Response
- GEOG 334 – Meteorology
- GEOG 430 – Global Environments of the Quaternary
- GEOG 431 – Environmental History from Lake Sediments
- GEOG 432 – Environmental History from Tree Rings
- GEOG 434 – Climatology
- GEOG 436 – Water Resources
- GEOG 439 – Plants, People, and Climate in North America
- GEOG 453 – Extreme Weather Climatology

**Select 6 additional hours:**
300-400 level geography courses

(uTrack Showcase)
**Requirements for the Bachelor of Arts in Geography – Climate and Climate Change Concentration**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | Complete at least 12 hours by the end of the term |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 131* or GEOG 137* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| [1]Elective | 0-1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 101* GEOG 111 or GEOG 121* | 3 | |
| GEOG 132* | 4 | |

| | | |
|---|---|---|
| Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| Arts and Humanities (List A)* | 3 | GEOG 131* |
| Communicating Orally Elective* | 3 | |
| GEOG 311 | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 3 | |
| **Term 4** | | |
| Arts and Humanities (List A or B)* | 3 | ENGL 102* |
| Communicating through Writing Elective* | 3 | GEOG 101* or GEOG 111 or GEOG 121* |
| Geography (major concentration) | 3 | GEOG 132* |
| Non-U.S. History* | 3 | |
| [1]Elective | 3 | |
| **Term 5** | | |
| GEOG 499 | 4 | No milestones |
| Geography (major concentration) | 6 | |
| Non-U.S. History (continuation of sequence)* | 3 | |
| [2]Connections | 3 | |
| **Term 6** | | |
| Geography (major concentration) | 6 | Completion of at least 9 upper-division (300-400) hours |
| GEOG 415 | 4 | |
| [2]Connections | 6 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Geography (major concentration) | 3 | Completion of at least 24 total upper-division (300-400) hours |
| [1]Electives | 12 | |
| **Term 8** | | |
| Geography (major concentration) | 6 | Completion of at least 42 total upper-division (300-400) hours |
| [1]Electives | 9 | |
| **TOTAL (minimum)** | **120** | |
| [1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |
| [2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |

**♦ Geography Major, BA – Honors Climate and Climate Change Concentration**

Students who enter the major having completed a laboratory science sequence other than geography may petition the department to waive the GEOG 131 */GEOG 137 * and GEOG 132 * requirements. Students who enter the major with more than 60 hours credit may petition the department to waive the GEOG 101 * or GEOG 121 * requirement.

**College Requirements**

**Arts and Sciences**

**Prerequisites**

**Select one course:**

- GEOG 131 – Weather, Climate, and Climate Change*
- GEOG 137 – Honors: Weather, Climate, and Climate Change*

**Complete:**

GEOG 132 – Landscapes and Environmental Change*

**Select one course:**

- GEOG 101 – World Geography*
- GEOG 111 – Our Digital Earth*
- GEOG 121 – Human Geography: People and Places*

**Major requirements**

**Complete:**

- GEOG 311 – Geovisualization and Geographic Information Science
- GEOG 415 – Quantitative Methods in Geography
- GEOG 499 – Practicing Geography

**Select five courses (at least 15 hours):**

- GEOG 331 – Natural Hazards
- GEOG 333 – Climate Change and Human Response
- GEOG 334 – Meteorology
- GEOG 430 – Global Environments of the Quaternary

- GEOG 431 – Environmental History from Lake Sediments
- GEOG 432 – Environmental History from Tree Rings
- GEOG 434 – Climatology
- GEOG 436 – Water Resources
- GEOG 439 – Plants, People, and Climate in North America
- GEOG 453 – Extreme Weather Climatology

**Complete:**

- GEOG 497 – Honors: Senior Thesis
- GEOG 498 – Honors: Senior Thesis

Students must maintain an overall GPA of 3.25 to graduate with honors. Twelve hours of honors work must be taken, including GEOG 497 and GEOG 498, under the direction of a faculty mentor. A written final copy of the thesis must be submitted to the Department of Geography. Balance of credit hours may be taken in honors courses or through honors-by-contract arrangements. Students should consult their advisor about participation.

(uTrack Showcase)

**Requirements for the Bachelor of Arts in Geography – Climate and Climate Change Concentration (Honors)**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | Complete at least 12 hours by the end of the term |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 131* or GEOG 137* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| [1]Elective | 0-1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 101* GEOG 111 or GEOG 121* | 3 | |
| GEOG 132* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| Arts and Humanities (List A)* | 3 | GEOG 131* |
| Communicating Orally Elective* | 3 | |
| GEOG 311 | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 3 | |
| **Term 4** | | |
| Arts and Humanities (List A or B)* | 3 | ENGL 102* |
| Communicating through Writing Elective* | 3 | GEOG 101* or GEOG 111 or GEOG 121* |
| Geography (major concentration) | 3 | GEOG 132* |
| Non-U.S. History* | 3 | |
| [1]Elective | 3 | |
| **Term 5** | | |
| GEOG 499 | 4 | No milestones |
| Geography (major concentration) | 6 | |
| Non-U.S. History (continuation of sequence)* | 3 | |
| [2]Connections | 3 | |
| **Term 6** | | |
| Geography (major concentration) | 6 | Completion of at least 9 upper-division (300-400) hours |
| GEOG 415 | 4 | |
| [2]Connections | 6 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Geography (major concentration) | 3 | Completion of at least 24 total upper-division (300-400) hours |
| GEOG 497 | 3 | |
| [1]Electives | 9 | |
| **Term 8** | | |
| Geography (major concentration) | 3 | Completion of at least 42 total upper-division (300-400) hours |
| GEOG 498 | 3 | |
| [1]Electives | 9 | |
| **TOTAL (minimum)** | **120** | |

[1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences.

[2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree

from the College of Arts & Sciences.

**♦ Geography Major, BA – Geospatial Science and Technology Concentration**

Students who enter the major having completed a laboratory science sequence other than geography may petition the department to waive the GEOG 131*/GEOG 137* and GEOG 132* requirements. Students who enter the major with more than 60 hours credit may petition the department to waive the GEOG 101* or GEOG 121* requirement.

**College Requirements**
**Arts and Sciences**
**Prerequisites**
**Select one course:**
- GEOG 131 – Weather, Climate, and Climate Change*
- GEOG 137 – Honors: Weather, Climate, and Climate Change*

**Complete:**
GEOG 132 – Landscapes and Environmental Change*
**Select one course:**
- GEOG 101 – World Geography*
- GEOG 111 – Our Digital Earth*
- GEOG 121 – Human Geography: People and Places*

**Major requirements**
**Complete:**
- GEOG 311 – Geovisualization and Geographic Information Science
- GEOG 415 – Quantitative Methods in Geography
- GEOG 499 – Practicing Geography

**Select five courses (at least 15 hours):**
- GEOG 411 – Intermediate Geographic Information Science
- GEOG 412 – GIS for Socioeconomic and Environmental Applications
- GEOG 413 – Remote Sensing of the Environment
- GEOG 414 – Spatial Data Management for Socioeconomic and Environmental Applications
- GEOG 416 – GIS Project Management
- GEOG 420 – GIS in the Community
- GEOG 449 – Geography of Transportation
- GEOG 454 – GIS for Terrain Analysis

**Select 6 additional hours:**
300-400 level geography courses

(uTrack Showcase)
**Requirements for the Bachelor of Arts in Geography – Geospatial Science and Technology Concentration**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | Complete at least 12 hours by the end of the term |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 131* or GEOG 137* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| [1]Elective | 0-1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 101* GEOG 111 or GEOG 121* | 3 | |
| GEOG 132* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| Arts and Humanities (List A)* | 3 | GEOG 131* |
| Communicating Orally Elective* | 3 | |
| GEOG 311 | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 3 | |
| **Term 4** | | |
| Arts and Humanities (List A or B)* | 3 | ENGL 102* |
| Communicating through Writing Elective* | 3 | GEOG 101* or GEOG 111 or GEOG 121* |
| Geography (major concentration) | 3 | GEOG 132* |
| Non-U.S. History* | 3 | |
| [1]Elective | 3 | |
| **Term 5** | | |
| GEOG 499 | 4 | No milestones |
| Geography (major concentration) | 6 | |
| Non-U.S. History (continuation of sequence)* | 3 | |

| | | |
|---|---|---|
| [2]Connections | 3 | |
| **Term 6** | | |
| Geography (major concentration) | 6 | Completion of at least 9 upper-division (300-400) hours |
| GEOG 415 | 4 | |
| [2]Connections | 6 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Geography (major concentration) | 3 | Completion of at least 24 total upper-division (300-400) hours |
| [1]Electives | 12 | |
| **Term 8** | | |
| Geography (major concentration) | 6 | Completion of at least 42 total upper-division (300-400) hours |
| [1]Electives | 9 | |
| **TOTAL (minimum)** | **120** | |
| [1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |
| [2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |

**♦ Geography Major, BA – Honors Geospatial Science and Technology Concentration**

Students who enter the major having completed a laboratory science sequence other than geography may petition the department to waive the GEOG 131 */GEOG 137 * and GEOG 132 * requirements. Students who enter the major with more than 60 hours credit may petition the department to waive the GEOG 101 * or GEOG 121 * requirement.

**College Requirements**

**Arts and Sciences**

**Prerequisites**

**Select one course:**

- GEOG 131 – Weather, Climate, and Climate Change*
- GEOG 137 – Honors: Weather, Climate, and Climate Change*

**Complete:**

GEOG 132 – Landscapes and Environmental Change*

**Select one course:**

- GEOG 101 – World Geography*
- GEOG 111 – Our Digital Earth*
- GEOG 121 – Human Geography: People and Places*

**Major requirements**

**Complete:**

- GEOG 311 – Geovisualization and Geographic Information Science
- GEOG 415 – Quantitative Methods in Geography
- GEOG 499 – Practicing Geography

**Select five courses (at least 15 hours):**

- GEOG 411 – Intermediate Geographic Information Science
- GEOG 412 – GIS for Socioeconomic and Environmental Applications
- GEOG 413 – Remote Sensing of the Environment
- GEOG 414 – Spatial Data Management for Socioeconomic and Environmental Applications
- GEOG 416 – GIS Project Management
- GEOG 420 – GIS in the Community
- GEOG 449 – Geography of Transportation
- GEOG 454 – GIS for Terrain Analysis

**Complete:**

- GEOG 497 – Honors: Senior Thesis
- GEOG 498 – Honors: Senior Thesis

Students must maintain an overall GPA of 3.25 to graduate with honors. Twelve hours of honors work must be taken, including GEOG 497 and GEOG 498, under the direction of a faculty mentor. A written final copy of the thesis must be submitted to the Department of Geography. Balance of credit hours may be taken in honors courses or through honors-by-contract arrangements. Students should consult their advisor about participation.

(uTrack Showcase)

**Requirements for the Bachelor of Arts in Geography – Geospatial Science and Technology Concentration (Honors)**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | Complete at least 12 hours by the end of the term |
| Foreign Language (intermediate level)* | 3 | |

| | | |
|---|---|---|
| GEOG 131* or GEOG 137* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| [1]Elective | 0-1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 101* GEOG 111 or GEOG 121* | 3 | |
| GEOG 132* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| Arts and Humanities (List A)* | 3 | GEOG 131* |
| Communicating Orally Elective* | 3 | |
| GEOG 311 | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 3 | |
| **Term 4** | | |
| Arts and Humanities (List A or B)* | 3 | ENGL 102* |
| Communicating through Writing Elective* | 3 | GEOG 101* or GEOG 111 or GEOG 121* |
| Geography (major concentration) | 3 | GEOG 132* |
| Non-U.S. History* | 3 | |
| [1]Elective | 3 | |
| **Term 5** | | |
| GEOG 499 | 4 | No milestones |
| Geography (major concentration) | 6 | |
| Non-U.S. History (continuation of sequence)* | 3 | |
| [2]Connections | 3 | |
| **Term 6** | | |
| Geography (major concentration) | 6 | Completion of at least 9 upper-division (300-400) hours |
| GEOG 415 | 4 | |
| [2]Connections | 6 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Geography (major concentration) | 3 | Completion of at least 24 total upper-division (300-400) hours |
| GEOG 497 | 3 | |
| [1]Electives | 9 | |
| **Term 8** | | |
| Geography (major concentration) | 3 | Completion of at least 42 total upper-division (300-400) hours |
| GEOG 498 | 3 | |
| [1]Electives | 9 | |
| **TOTAL (minimum)** | **120** | |
| [1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |
| [2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |

**♦ Geography Major, BA – Landscapes and Environment Concentration**

Students who enter the major having completed a laboratory science sequence other than geography may petition the department to waive the GEOG 131 */GEOG 137 * and GEOG 132 * requirements. Students who enter the major with more than 60 hours credit may petition the department to waive the GEOG 101 * or GEOG 121 * requirement.

**College Requirements**

**Arts and Sciences**

**Prerequisites**

**Select one course:**

- GEOG 131 – Weather, Climate, and Climate Change*
- GEOG 137 – Honors: Weather, Climate, and Climate Change*

**Complete:**

GEOG 132 – Landscapes and Environmental Change*

**Select one course:**

- GEOG 101 – World Geography*
- GEOG 111 – Our Digital Earth*
- GEOG 121 – Human Geography: People and Places*

**Major requirements**

**Complete:**

- GEOG 311 – Geovisualization and Geographic Information Science
- GEOG 415 – Quantitative Methods in Geography
- GEOG 499 – Practicing Geography

**Select five courses (at least 15 hours):**

- GEOG 331 – Natural Hazards
- GEOG 345 – People and Environment
- GEOG 413 – Remote Sensing of the Environment
- GEOG 431 – Environmental History from Lake Sediments
- GEOG 433 – Landform Analysis and Landscape Planning
- GEOG 435 – Biogeography
- GEOG 436 – Water Resources
- GEOG 439 – Plants, People, and Climate in North America
- GEOG 450 – Geomorphology
- GEOG 454 – GIS for Terrain Analysis

**Select 6 additional hours:**

300-400 level geography courses

(uTrack Showcase)

**Requirements for Bachelor of Arts in Geography – Landscapes and Environment Concentration**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | Complete at least 12 hours by the end of the term |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 131* or GEOG 137* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| [1]Elective | 0-1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 101* GEOG 111 or GEOG 121* | 3 | |
| GEOG 132* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| Arts and Humanities (List A)* | 3 | GEOG 131* |
| Communicating Orally Elective* | 3 | |
| GEOG 311 | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 3 | |
| **Term 4** | | |
| Arts and Humanities (List A or B)* | 3 | ENGL 102* |
| Communicating through Writing Elective* | 3 | GEOG 101* or GEOG 111 or GEOG 121* |
| Geography (major concentration) | 3 | GEOG 132* |
| Non-U.S. History* | 3 | |
| [1]Elective | 3 | |
| **Term 5** | | |
| GEOG 499 | 4 | No milestones |
| Geography (major concentration) | 6 | |
| Non-U.S. History (continuation of sequence)* | 3 | |
| [2]Connections | 3 | |
| **Term 6** | | |
| Geography (major concentration) | 6 | Completion of at least 9 upper-division (300-400) hours |
| GEOG 415 | 4 | |
| [2]Connections | 6 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Geography (major concentration) | 3 | Completion of at least 24 total upper-division (300-400) hours |
| [1]Electives | 12 | |
| **Term 8** | | |
| Geography (major concentration) | 6 | Completion of at least 42 total upper-division (300-400) hours |
| [1]Electives | 9 | |
| **TOTAL (minimum)** | **120** | |

[1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences.

[2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved

Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences.

**♦ Geography Major, BA – Honors Landscapes and environment Concentration**

Students who enter the major having completed a laboratory science sequence other than geography may petition the department to waive the GEOG 131 */GEOG 137 * and GEOG 132 * requirements. Students who enter the major with more than 60 hours credit may petition the department to waive the GEOG 101 * or GEOG 121 * requirement.

**College Requirements**

**Arts and Sciences**

**Prerequisites**

**Select one course:**

- GEOG 131 – Weather, Climate, and Climate Change*
- GEOG 137 – Honors: Weather, Climate, and Climate Change*

**Complete:**

GEOG 132 – Landscapes and Environmental Change*

**Select one course:**

- GEOG 101 – World Geography*
- GEOG 111 – Our Digital Earth*
- GEOG 121 – Human Geography: People and Places*

**Major requirements**

**Complete:**

- GEOG 311 – Geovisualization and Geographic Information Science
- GEOG 415 – Quantitative Methods in Geography
- GEOG 499 – Practicing Geography

**Select five courses (at least 15 hours):**

- GEOG 331 – Natural Hazards
- GEOG 345 – People and Environment
- GEOG 413 – Remote Sensing of the Environment
- GEOG 431 – Environmental History from Lake Sediments
- GEOG 433 – Landform Analysis and Landscape Planning
- GEOG 435 – Biogeography
- GEOG 436 – Water Resources
- GEOG 439 – Plants, People, and Climate in North America
- GEOG 450 – Geomorphology
- GEOG 454 – GIS for Terrain Analysis

**Complete:**

- GEOG 497 – Honors: Senior Thesis
- GEOG 498 – Honors: Senior Thesis

Students must maintain an overall GPA of 3.25 to graduate with honors. Twelve hours of honors work must be taken, including GEOG 497 and GEOG 498, under the direction of a faculty mentor. A written final copy of the thesis must be submitted to the Department of Geography. Balance of credit hours may be taken in honors courses or through honors-by-contract arrangements. Students should consult their advisor about participation.

(uTrack Showcase)

**Requirements for the Bachelor of Arts in Geography – Landscapes and Environment Concentration (Honors)**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | Complete at least 12 hours by the end of the term |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 131* or GEOG 137* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| [1]Elective | 0-1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 101* GEOG 111 or GEOG 121* | 3 | |
| GEOG 132* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| Arts and Humanities (List A)* | 3 | GEOG 131* |
| Communicating Orally Elective* | 3 | |
| GEOG 311 | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 3 | |
| **Term 4** | | |

| | | |
|---|---|---|
| Arts and Humanities (List A or B)* | 3 | ENGL 102* |
| Communicating through Writing Elective* | 3 | GEOG 101* or GEOG 111 or GEOG 121* |
| Geography (major concentration) | 3 | GEOG 132* |
| Non-U.S. History* | 3 | |
| [1]Elective | 3 | |
| **Term 5** | | |
| GEOG 499 | 4 | No milestones |
| Geography (major concentration) | 6 | |
| Non-U.S. History (continuation of sequence)* | 3 | |
| [2]Connections | 3 | |
| **Term 6** | | |
| Geography (major concentration) | 6 | Completion of at least 9 upper-division (300-400) hours |
| GEOG 415 | 4 | |
| [2]Connections | 6 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Geography (major concentration) | 3 | Completion of at least 24 total upper-division (300-400) hours |
| GEOG 497 | 3 | |
| [1]Electives | 9 | |
| **Term 8** | | |
| Geography (major concentration) | 3 | Completion of at least 42 total upper-division (300-400) hours |
| GEOG 498 | 3 | |
| [1]Electives | 9 | |
| **TOTAL (minimum)** | **120** | |
| [1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |
| [2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |

**♦ Geography Major, BA – Space, Society, and Culture Concentration**

Students who enter the major having completed a laboratory science sequence other than geography may petition the department to waive the GEOG 131 */GEOG 137 * and GEOG 132 * requirements. Students who enter the major with more than 60 hours credit may petition the department to waive the GEOG 101 * or GEOG 121 * requirement.

**College Requirements**

**Arts and Sciences**

**Prerequisites**

**Select one course:**

- GEOG 131 – Weather, Climate, and Climate Change*
- GEOG 137 – Honors: Weather, Climate, and Climate Change*

**Complete:**

GEOG 132 – Landscapes and Environmental Change*

**Select one course:**

- GEOG 101 – World Geography*
- GEOG 111 – Our Digital Earth*
- GEOG 121 – Human Geography: People and Places*

**Major requirements**

**Complete:**

- GEOG 311 – Geovisualization and Geographic Information Science
- GEOG 415 – Quantitative Methods in Geography
- GEOG 499 – Practicing Geography

**Select five courses (at least 15 hours):**

- GEOG 320 – Cultural Geography Core Concepts
- GEOG 343 – Geography of Human Rights
- GEOG 344 – Population Geography
- GEOG 361 – Regional Dynamics of the United States and Canada
- GEOG 363 – Southern Spaces and Places
- GEOG 371 – Exploring Europe
- GEOG 373 – Landscapes and Cultures of Latin America
- GEOG 375 – Society and Spaces of South Asia
- GEOG 423 – Geography of American Popular Culture
- GEOG 442 – Urban Spaces and Urban Society

- GEOG 444 – The Age of Migration
- GEOG 451 – Geography of the Global Economy
- GEOG 462 – Geographies of Race and Racism

**Select 6 additional hours:**

300-400 level geography courses

(uTrack Showcase)

**Requirements for the Bachelor of Arts in Geography – Space, Society, and Culture Concentration**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | Complete at least 12 hours by the end of the term |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 131* or GEOG 137* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| [1]Elective | 0-1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 101* GEOG 111 or GEOG 121* | 3 | |
| GEOG 132* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| Arts and Humanities (List A)* | 3 | GEOG 131* |
| Communicating Orally Elective* | 3 | |
| GEOG 311 | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 3 | |
| **Term 4** | | |
| Arts and Humanities (List A or B)* | 3 | ENGL 102* |
| Communicating through Writing Elective* | 3 | GEOG 101* or GEOG 111 or GEOG 121* |
| Geography (major concentration) | 3 | GEOG 132* |
| Non-U.S. History* | 3 | |
| [1]Elective | 3 | |
| **Term 5** | | |
| GEOG 499 | 4 | No milestones |
| Geography (major concentration) | 6 | |
| Non-U.S. History (continuation of sequence)* | 3 | |
| [2]Connections | 3 | |
| **Term 6** | | |
| Geography (major concentration) | 6 | Completion of at least 9 upper-division (300-400) hours |
| GEOG 415 | 4 | |
| [2]Connections | 6 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Geography (major concentration) | 3 | Completion of at least 24 total upper-division (300-400) hours |
| [1]Electives | 12 | |
| **Term 8** | | |
| Geography (major concentration) | 6 | Completion of at least 42 total upper-division (300-400) hours |
| [1]Electives | 9 | |
| **TOTAL (minimum)** | **120** | |

[1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences.

[2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences.

**♦ Geography Major, BA – Honors Space, Society, and Culture Concentration**

Students who enter the major having completed a laboratory science sequence other than geography may petition the department to waive the GEOG 131 */GEOG 137 * and GEOG 132 * requirements. Students who enter the major with more than 60 hours credit may petition the department to waive the GEOG 101 * or GEOG 121 * requirement.

**College Requirements**

**Arts and Sciences**

**Prerequisites**

**Select one course:**
- GEOG 131 – Weather, Climate, and Climate Change*
- GEOG 137 – Honors: Weather, Climate, and Climate Change*

**Complete:**

GEOG 132 – Landscapes and Environmental Change*

**Select one course:**
- GEOG 101 – World Geography*
- GEOG 111 – Our Digital Earth*
- GEOG 121 – Human Geography: People and Places*

**Major requirements**

**Complete:**
- GEOG 311 – Geovisualization and Geographic Information Science
- GEOG 415 – Quantitative Methods in Geography
- GEOG 499 – Practicing Geography

**Select five courses (at least 15 hours):**
- GEOG 320 – Cultural Geography Core Concepts
- GEOG 343 – Geography of Human Rights
- GEOG 344 – Population Geography
- GEOG 361 – Regional Dynamics of the United States and Canada
- GEOG 363 – Southern Spaces and Places
- GEOG 371 – Exploring Europe
- GEOG 373 – Landscapes and Cultures of Latin America
- GEOG 375 – Society and Spaces of South Asia
- GEOG 423 – Geography of American Popular Culture
- GEOG 442 – Urban Spaces and Urban Society
- GEOG 444 – The Age of Migration
- GEOG 451 – Geography of the Global Economy
- GEOG 462 – Geographies of Race and Racism

**Complete:**
- GEOG 497 – Honors: Senior Thesis
- GEOG 498 – Honors: Senior Thesis

Students must maintain an overall GPA of 3.25 to graduate with honors. Twelve hours of honors work must be taken, including GEOG 497 and GEOG 498, under the direction of a faculty mentor. A written final copy of the thesis must be submitted to the Department of Geography. Balance of credit hours may be taken in honors courses or through honors-by-contract arrangements. Students should consult their advisor about participation.

(uTrack Showcase)

**Requirements for the Bachelor of Arts in Geography – Space, Society, and Culture Concentration (Honors)**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | Complete at least 12 hours by the end of the term |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 131* or GEOG 137* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| [1]Elective | 0-1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 101* GEOG 111 or GEOG 121* | 3 | |
| GEOG 132* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| Arts and Humanities (List A)* | 3 | GEOG 131* |
| Communicating Orally Elective* | 3 | |
| GEOG 311 | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 3 | |
| **Term 4** | | |
| Arts and Humanities (List A or B)* | 3 | ENGL 102* |
| Communicating through Writing Elective* | 3 | GEOG 101* or GEOG 111 or GEOG 121* |
| Geography (major concentration) | 3 | GEOG 132* |
| Non-U.S. History* | 3 | |
| [1]Elective | 3 | |
| **Term 5** | | |
| GEOG 499 | 4 | No milestones |
| Geography (major concentration) | 6 | |
| Non-U.S. History (continuation of sequence)* | 3 | |

| | | |
|---|---|---|
| [2]Connections | 3 | |
| **Term 6** | | |
| Geography (major concentration) | 6 | Completion of at least 9 upper-division (300-400) hours |
| GEOG 415 | 4 | |
| [2]Connections | 6 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Geography (major concentration) | 3 | Completion of at least 24 total upper-division (300-400) hours |
| GEOG 497 | 3 | |
| [1]Electives | 9 | |
| **Term 8** | | |
| Geography (major concentration) | 3 | Completion of at least 42 total upper-division (300-400) hours |
| GEOG 498 | 3 | |
| [1]Electives | 9 | |
| **TOTAL (minimum)** | **120** | |
| [1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |
| [2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |

**♦ Geography Major, BA – World Cities and Economies Concentration**

Students who enter the major having completed a laboratory science sequence other than geography may petition the department to waive the GEOG 131 */GEOG 137 * and GEOG 132 * requirements. Students who enter the major with more than 60 hours credit may petition the department to waive the GEOG 101 * or GEOG 121 * requirement.

**College Requirements**

**Arts and Sciences**

Prerequisites

**Select one course:**

- GEOG 131 – Weather, Climate, and Climate Change*
- GEOG 137 – Honors: Weather, Climate, and Climate Change*

**Complete:**

GEOG 132 – Landscapes and Environmental Change*

**Select one course:**

- GEOG 101 – World Geography*
- GEOG 111 – Our Digital Earth*
- GEOG 121 – Human Geography: People and Places*

**Major requirements**

**Complete:**

- GEOG 311 – Geovisualization and Geographic Information Science
- GEOG 415 – Quantitative Methods in Geography
- GEOG 499 – Practicing Geography

**Select five courses (at least 15 hours):**

- GEOG 340 – Economic Geography
- GEOG 341 – Contemporary Urban Spaces
- GEOG 374 – Emerging Landscapes of East Asia
- GEOG 441 – Cities as Economic Engines
- GEOG 442 – Urban Spaces and Urban Society
- GEOG 444 – The Age of Migration
- GEOG 445 – Cities in a World System
- GEOG 446 – The Livable City
- GEOG 449 – Geography of Transportation
- GEOG 451 – Geography of the Global Economy

**Select 6 additional hours:**

300-400 level geography courses

(uTrack Showcase)

**Requirements for the Bachelor of Arts in Geography – World Cities and Economies Concentration**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | Complete at least 12 hours by the end of the term |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 131* or GEOG 137* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |

| | | |
|---|---|---|
| [1]Elective | 0-1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 101* GEOG 111 or GEOG 121* | 3 | |
| GEOG 132* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| Arts and Humanities (List A)* | 3 | GEOG 131* |
| Communicating Orally Elective* | 3 | |
| GEOG 311 | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 3 | |
| **Term 4** | | |
| Arts and Humanities (List A or B)* | 3 | ENGL 102* |
| Communicating through Writing Elective* | 3 | GEOG 101* or GEOG 111 or GEOG 121* |
| Geography (major concentration) | 3 | GEOG 132* |
| Non-U.S. History* | 3 | |
| [1]Elective | 3 | |
| **Term 5** | | |
| GEOG 499 | 4 | No milestones |
| Geography (major concentration) | 6 | |
| Non-U.S. History (continuation of sequence)* | 3 | |
| [2]Connections | 3 | |
| **Term 6** | | |
| Geography (major concentration) | 6 | Completion of at least 9 upper-division (300-400) hours |
| GEOG 415 | 4 | |
| [2]Connections | 6 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Geography (major concentration) | 3 | Completion of at least 24 total upper-division (300-400) hours |
| [1]Electives | 12 | |
| **Term 8** | | |
| Geography (major concentration) | 6 | Completion of at least 42 total upper-division (300-400) hours |
| [1]Electives | 9 | |
| **TOTAL (minimum)** | **120** | |
| [1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |
| [2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |

**♦ Geography Major, BA – Honors World Cities and Economies Concentration**
Students who enter the major having completed a laboratory science sequence other than geography may petition the department to waive the GEOG 131 */GEOG 137 * and GEOG 132 * requirements. Students who enter the major with more than 60 hours credit may petition the department to waive the GEOG 101 * or GEOG 121 * requirement.

**College Requirements**
**Arts and Sciences**
**Prerequisites**
**Select one course:**
- GEOG 131 – Weather, Climate, and Climate Change*
- GEOG 137 – Honors: Weather, Climate, and Climate Change*

**Complete:**
GEOG 132 – Landscapes and Environmental Change*
Select one course:
- GEOG 101 – World Geography*
- GEOG 111 – Our Digital Earth*
- GEOG 121 – Human Geography: People and Places*

**Major requirements**
**Complete:**
- GEOG 311 – Geovisualization and Geographic Information Science
- GEOG 415 – Quantitative Methods in Geography
- GEOG 499 – Practicing Geography

**Select five courses (at least 15 hours):**

- GEOG 340 – Economic Geography
- GEOG 341 – Contemporary Urban Spaces
- GEOG 374 – Emerging Landscapes of East Asia
- GEOG 441 – Cities as Economic Engines
- GEOG 442 – Urban Spaces and Urban Society
- GEOG 444 – The Age of Migration
- GEOG 445 – Cities in a World System
- GEOG 446 – The Livable City
- GEOG 449 – Geography of Transportation
- GEOG 451 – Geography of the Global Economy

**Complete:**

- GEOG 497 – Honors: Senior Thesis
- GEOG 498 – Honors: Senior Thesis

Students must maintain an overall GPA of 3.25 to graduate with honors. Twelve hours of honors work must be taken, including GEOG 497 and GEOG 498, under the direction of a faculty mentor. A written final copy of the thesis must be submitted to the Department of Geography. Balance of credit hours may be taken in honors courses or through honors-by-contract arrangements. Students should consult their advisor about participation.

(uTrack Showcase)

**Requirements for the Bachelor of Arts in Geography – World Cities and Economies Concentration (Honors)**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | Complete at least 12 hours by the end of the term |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 131* or GEOG 137* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| [1]Elective | 0-1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | |
| GEOG 101* GEOG 111 or GEOG 121* | 3 | |
| GEOG 132* | 4 | |
| Quantitative Reasoning Electives* | 3-4 | |
| **Term 3** | | |
| Arts and Humanities (List A)* | 3 | GEOG 131* |
| Communicating Orally Elective* | 3 | |
| GEOG 311 | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 3 | |
| **Term 4** | | |
| Arts and Humanities (List A or B)* | 3 | ENGL 102* |
| Communicating through Writing Elective* | 3 | GEOG 101* or GEOG 111 or GEOG 121* |
| Geography (major concentration) | 3 | GEOG 132* |
| Non-U.S. History* | 3 | |
| [1]Elective | 3 | |
| **Term 5** | | |
| GEOG 499 | 4 | No milestones |
| Geography (major concentration) | 6 | |
| Non-U.S. History (continuation of sequence)* | 3 | |
| [2]Connections | 3 | |
| **Term 6** | | |
| Geography (major concentration) | 6 | Completion of at least 9 upper-division (300-400) hours |
| GEOG 415 | 4 | |
| [2]Connections | 6 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Geography (major concentration) | 3 | Completion of at least 24 total upper-division (300-400) hours |
| GEOG 497 | 3 | |
| [1]Electives | 9 | |
| **Term 8** | | |
| Geography (major concentration) | 3 | Completion of at least 42 total upper-division (300-400) hours |
| GEOG 498 | 3 | |
| [1]Electives | 9 | |
| **TOTAL (minimum)** | **120** | |

| |
|---|
| [1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. |
| [2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. |

*Rationale:* The undergraduate Geography curriculum is being changed according to suggestions from its recent external review and in order to meet the needs of its undergraduate students. *Impact on other units:* None.
*Financial impact:* None.

**DEPARTMENT OF HISTORY**
**(HIST) History**

History Major, BA
1. Students will analyze and interpret relevant primary and secondary sources.
2. Students will demonstrate historical research skills.
3. Students will integrate skills of research, citation, and critical analysis in clearly written papers that demonstrate an ability to construct a historical argument and sustain it over the length of a substantial essay.

**DROP**

**HIST 221 - History of the United States (3)**
**HIST 222 - History of the United States (3)**
**HIST 227 - Honors: History of the United States (3)**
**HIST 228 - Honors: History of the United States (3)**
***HIST 241 - Development of Western Civilization (3)**
***HIST 242 - Development of Western Civilization (3)**
***HIST 247 - Honors: Development of Western Civilization (3)**
***HIST 248 - Honors: Development of Western Civilization (3)**
***†HIST 255 - Introduction to Latin American and Caribbean Studies (3) (Same as Latin American Studies 251.) History is primary.**
***†HIST 256 - Introduction to Latin American and Caribbean Studies (3) (Same as Latin American Studies 252.) History is primary.**
**†HIST 300 - The Rise and Fall of Slavery in the United States (3) (Same as Africana Studies 300 and American Studies 300.) History is primary.**
**†HIST 302 - History of Classical Greece (3) (See Classics 302.) Classics is primary.**
**†HIST 304 - History of the Roman Empire (3) (Same as Classics 304.) History is primary.**
**†HIST 305 - History of the Late Roman Empire (3) (Same as Classics 305.) History is primary.**
**†HIST 306 - History of Hellenistic Greece (3) (See Classics 306.) Classics is primary.**
**HIST 311 - Dark Age Empire (3)**
**†HIST 312 - Medieval History (3) (Same as Medieval and Renaissance Studies 312.) History is primary.**
**†HIST 313 - Medieval History (3) (Same as Medieval and Renaissance Studies 313.) History is primary.**
**HIST 314 - Renaissance Europe (3)**
**†HIST 315 - Reformation Europe (3) (Same as Religious Studies 315.) History is primary.**
**HIST 316 - Early Modern Europe (3)**
**HIST 319 - Modern Europe (3)**
**HIST 320 - Contemporary Europe (3)**
**†HIST 321 - New Testament and Early Christian Origins (3) (See Religious Studies 321.) Religious Studies is primary.**
**†HIST 322 - Christianity in Late Antiquity (3) (See Religious Studies 322.) Religious Studies is primary.**
**HIST 323 - Deviance and Persecution in the Christian West (3)**
**†HIST 325 - Women in American History (3) (Same as Women's Studies 325.) History is primary.**
**†HIST 326 - Gay American History (3) (Same as American Studies 326.) History is primary.**
**†HIST 329 - Native American History (3) (Same as American Studies 329.) History is primary.**
**HIST 332 - Europe in the Age of Total War (3)**
**HIST 333 - History of the Cold War (3)**
**HIST 334 - History of Germany (3)**
**HIST 335 - History of Germany (3)**
**HIST 336 - Modern France (3)**
**HIST 340 - Revolution in Modern European History: France and Russia (3)**
**HIST 341 - History of Russia (3)**
**HIST 342 - History of Nazi Germany (3)**
**†HIST 343 - History of Mexico (3) (Same as Latin and Caribbean Studies 343.) History is primary.**
**†HIST 344 - History of Brazil (3) (Same as Latin and Caribbean Studies 344.) History is primary.**
**†HIST 346 - African-American Religious History (3) (Same as Africana Studies 346.) History is primary.**
**†HIST 349 - United States Military History (3) (Same as Military Science and Leadership 349.) History is primary.**
**HIST 350 - Colonial America to 1763 (3)**
**HIST 351 - The American Revolution (3)**
**HIST 352 - The Early American Republic (3)**
**HIST 353 - The Civil War and Reconstruction Eras (3)**

**HIST 354 - United States 1877-1933 (3)**
**HIST 355 - United States 1933-Present (3)**
**†HIST 356 - The 1960s in America (3) (Same as American Studies 356.) History is primary.**
**†HIST 359 - American Religious History (3) (See Religious Studies 359.) Religious Studies is primary.**
**†HIST 360 - History of Early Latin America to 1824 (3) (Same as Latin American and Caribbean Studies 360.) History is primary.**
**†HIST 361 - History of Modern Latin America since 1810 (3) (Same as Latin American and Caribbean Studies 361.) History is primary.**
**HIST 362 - History of American Education (3)**
**HIST 363 - U.S. Constitutional History to 1877 (3)**
**HIST 364 - U.S. Constitutional History 1877-Present (3)**
**†HIST 366 - Hollywood and the 20th Century (3) (Same as Cinema Studies 366.) History is primary.**
**†HIST 369 - History of the Middle East (3) (Same as Judaic Studies 369.) History is primary.**
**†HIST 370 - History of the Middle East (3) (Same as Judaic Studies 370.) History is primary.**
**†HIST 371 - African History (3) (Same as Africana Studies 371.) History is primary.**
**†HIST 372 - African History (3) (Same as Africana Studies 372.) History is primary.**
**†HIST 374 - History of the Civil Rights Movement in the United States (3) (Same as Africana Studies 374 and American Studies 374.) History is primary.**
**†HIST 376 - African-American Women's History from Slavery to the Present (3) (Same as Africana Studies 375 and Women's Studies 376.) History is primary.**
**†HIST 379 - African-American Experience from Colonial Period to Civil War (3) (Same as Africana Studies 376.) History is primary.**
**†HIST 380 - African-American Experience from Civil War to the Present (3) (Same as Africana Studies 380.) History is primary.**
**†HIST 381 - History of South Africa (3) (Same as Africana Studies 381.) History is primary.**
**†HIST 382 - Archaeology of the Biblical World (3) (Same as Judaic Studies 382.) History is primary.**
**†HIST 383 - Early Jewish History (3) (Same as Judaic Studies 383.) History is primary.**
**HIST 386 - Topics in Atlantic World History (3)**
**HIST 389 - History of China (3)**
**HIST 390 - History of China (3)**
**HIST 391 - Modern Chinese Intellectual History (3)**
**HIST 392 - History of Pre-Modern Japan (3)**
**HIST 393 - History of Modern Japan (3)**
**HIST 394 - Chinese Intellectual History: Early Times (3)**
**†HIST 395 - The Crusades and Medieval Christian-Muslim Relations (3) (Same as Judaic Studies 395.) History is primary.**
**HIST 396 - The American Century (3)**
**HIST 400 - History and Archaelogy of Mesopotamia (3)**
**HIST 417 - Honors: Seminar in U.S. History (3)**
**HIST 429 - Medieval Intellectual History (3)**
**HIST 431 - European Cultural and Intellectual History (3)**
**HIST 432 - Topics in Modern European History (3)**
**HIST 433 - European Diplomatic History (3)**
**HIST 434 - Modern European Imperialism (3)**
**HIST 435 - Science, Religion and Magic in Early Modern Europe (3)**
**†HIST 436 - History of Gender and Sexuality in the United States (3) (Same as American Studies 436.) History is primary.**
**HIST 439 - Food and Power in U.S. History (3)**
**†HIST 440 - War and Truth in America (3) (Same as American Studies 440.) History is primary.**
**HIST 441 - The American West (3)**
**HIST 444 - History of the South (3)**
**HIST 449 - History of Tennessee (3)**
**HIST 450 - History of U.S. Foreign Relations (3)**
**HIST 452 - American Experience in World War II (3)**
**†HIST 456 - Topics in Cherokee History (3) (Same as American Studies 456.) History is primary.**
**†HIST 464 - The Spanish Conquest (3) (Same as Latin American and Caribbean Studies 464.) History is primary.**
**†HIST 465 - Gender and Sexuality in Early Latin America (3) (Same as Latin American and Caribbean Studies 466.) History is primary.**
**HIST 466 - Studies in Ancient History (3)**
**†HIST 469 - Studies in African History (3) (Same as Africana Studies 469.) History is primary.**
**HIST 474 - Studies in Medieval and Early Modern European History (3)**
**†HIST 475 - Studies in Latin American and Caribbean History (3) (Same as Latin American and Caribbean Studies 475.) History is primary.**
**HIST 476 - Studies in East Asian History (3)**
**HIST 479 - Studies in United States History (3)**
**HIST 480 - Studies in Middle East History (3)**
**HIST 482 - Colloquium in History (3)**
**†HIST 484 - Studies in Jewish History (3) (Same as Judaic Studies 484.) History is primary.**
**HIST 486 - Studies in the Ancient Near East (3)**
**HIST 494 - History of Tokyo (3)**
**HIST 495 - Modern China on Film (3)**

*Rationale:* The rationale for all drops and adds is that History is running out of numbers for new courses. The solution to that problem is to drop most of the HIST courses and add them back under different codes. *Impact on other units:* These changes impact quite a few units because other units cross list courses with History and other units use History courses in their programs. We have tried to contact all units that we know use these courses and all cross listing units. Those programs are being changed to reflect the History course changes. *Financial impact:* None.

HISTORY-AFRICA EQUIVALENCY TABLE (HIAF)

| **Current History Courses (HIST)** | **Equivalent History-Africa Courses Effective Fall 2016** |
|---|---|
| HIST 371 (Same as AFST 371) | HIAF 371 (Same as AFST 361) |
| HIST 372 (Same as AFST 372 ) | HIAF 372 (Same as AFST 362) |
| HIST 381 (Same as AFST 381) | HIAF 381 (Same as AMST 382) |
| HIST 469 (Same as AFST 469) | HIAF 484 (Same as AFST 483) |

HISTORY-ASIA EQUIVALENCY TABLE (HIAS)

| **Current History Courses (HIST)** | **Equivalent History-Asia Courses Effective Fall 2016** |
|---|---|
| HIST 389 | HIAS 389 |
| HIST 390 | HIAS 390 |
| HIST 391 | HIAS 391 |
| HIST 392 | HIAS 392 |
| HIST 393 | HIAS 393 |
| HIST 394 | HIAS 394 |
| HIST 476 | HIAS 484 |
| HIST 494 | HIAS 494 |
| HIST 495 (Same as CNST 495) | 495 (Same as CNST 496) |

HISTORY-LATIN AMERICA EQUIVALENCY TABLE (HILA)

| **Current History Courses (HIST)** | **Equivalent History-Latin America Courses Effective Fall 2016** |
|---|---|
| *HIST 255 (Same as LAC 251) | *HILA 255 (Same as LAC 253) |
| *HIST 256 (Same as LAC 252) | *HILA 256 (Same as LAC 254) |
| HIST 343 (Same as LAC 343) | HILA 343 (Same as LAC 341) |
| HIST 344 (Same as LAC 344 ) | HILA 344 (Same as LAC 342) |
| HIST 360 (Same as LAC 360) | HILA 360 (Same as LAC 362) |
| HIST 361 (Same as LAC 361) | HILA 361 (Same as LAC 363) |
| HIST 464 (Same as LAC 464) | HILA 464 (Same as LAC 462) |
| HIST 465 (Same as LAC 466) | HILA 465 (Same as LAC 463) |
| HIST 475 (Same as LAC 475) | HILA 484 (Same as LAC 484) |

HISTORY-MIDDLE EAST EQUIVALENCY TABLE (HIME)

| **Current History Courses (HIST)** | **Equivalent History-Middle East Courses Effective Fall 2016** |
|---|---|
| HIST 369 (Same as JST 369) | HIME 369 (Same as JST 366) |
| HIST 370 (Same as JST 370) | HIME 370 (Same as JST 371) |
| HIST 382 (Same as JST 382) | HIME 382 (Same as JST 380) |
| HIST 383 (Same as JST 383) | HIME 383 (Same as JST 389) |
| HIST 400 | HIME 400 |
| HIST 484 (Same as JST 484) | HIME 485 (Same as JST 485) |
| HIST 486 | HIME 486 |

HISTORY-EUROPE EQUIVALENCY TABLE (HIEU)

| **Current History Courses (HIST)** | **Equivalent History-Europe Courses Effective Fall 2016** |
|---|---|
| *HIST 241 | *HIEU 241 |
| *HIST 242 | *HIEU 242 |
| *HIST 247 | *HIEU 247 |
| *HIST 248 | *HIEU 248 |
| HIST 302 (See CLAS 302) | HIEU 302 (See CLAS 302) |
| HIST 304 (Same as CLAS 304) | HIEU 304 (Same as CLAS 310) |
| HIST 305 (Same as CLAS 305) | HIEU 305 (Same as CLAS 311) |
| HIST 306 (See CLAS 306) | HIEU 306 (See CLAS 306) |
| HIST 311 | HIEU 426 |
| HIST 312 (Same as MRST 312) | HIEU 312 (Same as MRST 310) |
| HIST 313 (Same as MRST 313) | HIEU 313 (Same as MRST 311) |
| HIST 314 | HIEU 314 |
| HIST 315 (Same as REST 315) | HIEU 315 (Same as REST 314) |
| HIST 316 | HIEU 316 |
| HIST 319 | HIEU 319 |
| HIST 320 | HIEU 320 |
| HIST 321 (See REST 321) | HIEU 321 (See REST 321) |
| HIST 322 (See REST 322) | HIEU 322 (See REST 322) |

| | |
|---|---|
| HIST 323 | HIEU 323 |
| HIST 332 | HIEU 332 |
| HIST 333 | HIEU 333 |
| HIST 334 | HIEU 334 |
| HIST 335 | HIEU 335 |
| HIST 336 | HIEU 336 |
| HIST 340 | HIEU 340 |
| HIST 341 | HIEU 341 |
| HIST 342 | HIEU 436 |
| HIST 395 (Same as JST 395) | HIEU 395 (Same as JST 394) |
| HIST 429 | HIEU 429 |
| HIST 431 | HIEU 431 |
| HIST 432 | HIEU 484 |
| HIST 433 | HIEU 433 |
| HIST 434 | HIEU 434 |
| HIST 435 | HIEU 435 |
| HIST 466 | HIEU 482 |
| HIST 474 | HIEU 483 |

HISTORY-US EQUIVALENCY TABLE (HIUS)

| **Current History Courses (HIST)** | **Equivalent History U.S. Courses Effective Fall 2016** |
|---|---|
| HIST 221 | HIUS 221 |
| HIST 222 | HIUS 222 |
| HIST 227 | HIUS 227 |
| HIST 228 | HIUS 228 |
| HIST 300 (Same as AFST 300 and AMST 300 ) | HIUS 300 (Same as AFST 301 and AMST 301) |
| HIST 325 (Same as WOST 325 ) | HIUS 325 (Same as WOST 324) |
| HIST 326 (Same as AMST 326) | HIUS 326 (Same as AMST 324) |
| HIST 329 (Same as AMST 329) | HIUS 329 (Same as AMST 325) |
| HIST 346 (Same as AFST 346) | HIUS 370 (Same as AFST 370) |
| HIST 349 (Same as MLSL 349) | HIUS 349 [MLSL cross listing??] |
| HIST 350 | HIUS 350 |
| HIST 351 | HIUS 351 |
| HIST 352 | HIUS 352 |
| HIST 353 | HIUS 353 |
| HIST 354 | HIUS 354 |
| HIST 355 | HIUS 355 |
| HIST 356 (Same as AMST 356) | HIUS 356 (Same as AMST 352) |
| HIST 359 (See REST 359) | HIUS 359 (See REST 359) |
| HIST 362 | HIUS 362 |
| HIST 363 | HIUS 363 |
| HIST 364 | HIUS 364 |
| HIST 366 | HIUS 366 |
| HIST 374 (Same as AFST 374, AMST 374) | HIUS 373 (Same as AFST 363, AMST 373) |
| HIST 376 (Same as AFST 375, WOST 376) | HIUS 374 (Same as AFST 364, WOST 374) |
| HIST 379 (Same as AFST 376) | HIUS 375 (Same as AFST 365) |
| HIST 380 (Same as AFST 380) | HIUS 376 (Same as AFST 366) |
| HIST 396 | HIUS 396 |
| HIST 417 | HIUS 417 |
| HIST 436 (Same as AMST 436) | HIUS 436 (Same as AMST 435) |
| HIST 439 | HIUS 439 |
| HIST 440 (Same as AMST 440) | HIUS 440 (Same as AMST 441) |
| HIST 441 | HIUS 441 |
| HIST 444 | HIUS 444 |
| HIST 449 | HIUS 449 |
| HIST 450 | HIUS 450 |
| HIST 452 | HIUS 452 |
| HIST 456 (Same as AMST 456) | HIUS 456 (Same as AMST 455) |
| HIST 479 | HIUS 484 |

**ADD**

**HIST 483 – Historical Issues (3)**
Content varies. Selected topics in history. Writing emphasis course.
*Repeatability: May be repeated. Maximum 6 hours.*

*Rationale:* To avoid excessive petitioning, HIST needs a topics course at the 400 level. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* None. *Support from Assessment Activities:* From a curriculum review.

**ADD NEW SUBJECT CODES AND COURSES**

**(HIAF) History – Africa**

**†HIAF 371 – Africa to 1400 (3)**
Survey of sub-Saharan Africa through 1400 CE. Culture, states, religion. Content varies. Writing emphasis course. *(Same as Africana Studies 361.)*
*History – Africa is primary.*

**†HIAF 372 – Africa since 1400 (3)**
Encounters amongst Africa, Europe and the Americas. Atlantic trade, colonial and independence eras. Content varies. Writing emphasis course. *(Same as Africana Studies 362.)*
*History – Africa is primary.*

**†HIAF 381 – History of South Africa (3)**
South African history from the pre-colonial period through post-apartheid era. African state formation, resistance to European colonization, impact of industrialization, evolution of modern resistance movements, first democratic elections. Writing-emphasis course. *(Same as Africana Studies 382)*
*History – Africa is primary.*

**†HIAF 383 – Studies in African History (3)**
Aspects of African history. Content varies. Writing emphasis course. *(Same as Africana Studies 383.)*
*Repeatability: May be repeated. Maximum 9 hours.*
*History – Africa is primary.*

**†HIAF 484 – Studies in African History (3)**
Aspects of African history. Content varies. Writing emphasis course. *(Same as Africana Studies 483.)*
*Repeatability: May be repeated. Maximum 9 hours.*
*History – Africa is primary.*

**(HIAS) History – Asia**

**HIAS 383 – Studies in Asian History (3)**
Aspects of Asian history. Content varies. Writing-emphasis course.
*Repeatability: May be repeated. Maximum 9 hours.*

**HIAS 389 - Pre-Modern Chinese History (3)**
Chinese society from Neolithic Revolution to 1600. Governmental structure, social organization, economic and technological developments, religious practices, artistic, intellectual and literary traditions, cross-cultural exchanges. Writing-emphasis course.

**HIAS 390 – Modern Chinese History (3)**
Highlights China's transformation from dynastic system to modern nation state; examines internal and external forces driving China toward revolution in 20th century. Writing-emphasis course.

**HIAS 391 – Modern Chinese Intellectual History (3)**
Major intellectual currents, late 19th to 20th century, including: role of Confucianism in Chinese state and society, gender and the family; rise of a philosophy of science and social survey movements; formulation of a Chinese Marxist ideology. Writing-emphasis course.

**HIAS 392 – History of Pre-Modern Japan (3)**
Introduces history, culture and interpretation of the area of the world that later became Japanese nation-state. Topics include Japanese kingship, court culture, rise of the samurai, civil war, religious movements. Writing-emphasis course.

**HIAS 393 – History of Modern Japan (3)**
Introduces politics, culture and ideologies of modern Japan, 1800 to 1990s. Investigates Japan's experience as modern nation-state; emphasis on complex interplay between participation in global modernity and assertion of cultural particularity. Writing-emphasis course.

**HIAS 394 – Chinese Intellectual History: Early Times (3)**
Intellectual traditions from early times to the medieval period, beginning with Confucius. Development and evolution of primary concepts and values over centuries. Impact of changing forms of political organization on intellectual life. Writing-emphasis course.

**HIAS 484 – Studies in Asian History (3)**
Aspects of Asian history. Content varies. Writing-emphasis course.
*Repeatability: May be repeated. Maximum 9 hours.*

**HIAS 494 - History of Tokyo (3)**
Urban development and architectural changes as examples of the social, political, economic, and cultural transformations defining transition from pre-modern to modern era. Topics include construction of spaces, gendered spaces, spaces apart, and architecture as a source of authority. Writing-emphasis course.

**†HIAS 495 – Modern China on Film (3)**
Changing conceptions of gender, class, race, identity, and nation in modern China through film. Writing-emphasis course. *(Same as Cinema Studies 496.)*
*History – Asia is primary.*

**(HIEU) History – Europe**

***HIEU 241 – Development of Western Civilization (3)**
Survey of Western history, ancient world to 1715. Writing-emphasis course.

***HIEU 242 – Development of Western Civilization (3)**
Survey of Western history, 1715 to present. Writing-emphasis course.

***HIEU 247 – Honors: Development of Western Civilization (3)**
Honors survey of Western history, ancient world to 1715. Writing-emphasis course.

***HIEU 248 – Honors: Development of Western Civilization (3)**
Honors survey of Western history, 1715 to present. Writing-emphasis course.

**†HIEU 302 – History of Classical Greece (3)**
*(See Classics 302.)*
*Classics is primary*

**†HIEU 303 – History of the Roman Republic (3)**
Surveys Roman history from the archaic (royal) period to the Augustan age. Writing emphasis course. *(Same as Classics 309.)*
*History – Europe is primary*

> *Rationale:* The department has no course on the Roman Republic. A faculty member would like to add this course to put into his regular rotation of offerings. The course will also be taught by a new faculty member in Classics. *Impact on other units:* The course will be cross listed with Classics and added to two connections packages. *Financial impact:* None. *Program Learning Outcomes:* History-BA 3. *Support from Assessment Activities:* None.

**†HIEU 304 – History of the Early Roman Empire (3)**
Roman history from the death of Caesar to the emperor Constantine. Writing-emphasis course. *(Same as Classics 310.)*
*History – Europe is primary*

**†HIEU 305 – History of the Later Roman Empire (3)**
Roman history in late antiquity from Diocletian to the rise of Islam. Writing-emphasis course. *(Same as Classics 311.)*
*History – Europe is primary.*

**†HIEU 306 – History of Hellenistic Greece (3)**
*(See Classics 306.)*
*Classics is primary.*

**†HIEU 311 – Early Middle Ages (3)**
Formation of medieval society, culture and institutions, 500-1000. Writing-emphasis course. *(Same as Medieval and Renaissance Studies 309.)*
*History – Europe is primary.*

**†HIEU 312 – High Middle Ages (3)**
Height of medieval civilization—chivalry, monarchy, universities, Gothic cathedrals, 1000-1300. Writing-emphasis course. *(Same as Medieval and Renaissance Studies 310.)*
*History – Europe is primary.*

**†HIEU 313 – Later Middle Ages (3)**
Explores the transformation of medieval society, 1300-1400. Writing-emphasis course. *(Same as Medieval and Renaissance Studies 311.)*
*History – Europe is primary.*

**†HIEU 314 – Renaissance Europe (3)**
Traditionally seen as transition from Middle Ages to modern era. Cultural, social, economic, political, and intellectual developments. Writing-emphasis course. *(Same as Medieval and Renaissance Studies 314.)*
*History – Europe is primary.*

**†HIEU 315 – Reformation Europe (3)**

Era from 1500-1650. Religious disunity, economic dislocation, political centralization, intellectual skepticism. Writing-emphasis course. *(Same as Religious Studies 314.)*
*History – Europe is primary*.

**HIEU 316 – Early Modern Europe (3)**
Era from 1650-1800. Age of revolutions including scientific; intellectual flowering known as the Enlightenment. Writing-emphasis course.

**HIEU 319 – Modern Europe (3)**
Era from 1750-1914. Political, social, cultural and intellectual transformations. Writing-emphasis course.

**HIEU 320 – Contemporary Europe (3)**
Era from WWI to present. Writing emphasis course.

**†HIEU 321 – New Testament and Early Christian Origins (3)**
*(See Religious Studies 321.)*
*Religious Studies is primary.*

**†HIEU 322 – Christianity in Late Antiquity (3)**
*(See Religious Studies 322.)*
*Religious Studies is primary.*

**HIEU 323 – Deviance and Persecution in the Christian West (3)**
Popular perceptions and ecclesiastical and civil policies and institutions designed to uncover and combat heretics, homosexuals, Jews, and witches. Writing-emphasis course.

**HIEU 332 – Europe in the Age of Total War, 1900-2000 (3)**
Role of industrial “total war" in fundamentally reshaping Europe in the 20th century. Imperialist tensions, World War I, troubled interwar diplomacy, World War II, and the Cold War. Writing-emphasis course.

**HIEU 333 – History of the Cold War (3)**
Global history of the Cold War from 1945 to 1991. Tensions between superpowers and their respective allies; ideological, military, political, social, cultural, and economic dimensions; reasons for Cold War's end. Writing-emphasis course.

**HIEU 334 – Early Modern Germany (3)**
To ca. 1815. Developments in German lands, from the medieval empire to its disintegration; dynastic and religious realignments; end of the old order in the Age of Napoleon. Writing-emphasis course.

**HIEU 335 – Modern Germany (3)**
Nineteenth and twentieth centuries. Topics include nationhood, revolution, industrialization, social transformation, imperialism, war, fascism, genocide. Writing-emphasis course.

**HIEU 336 – Modern France (3)**
Topics include the French Revolution, imperialism, Dreyfus Affair, Vichy Regime, student protests of May 1968. Writing-emphasis course.

**HIEU 340 – Revolution in Modern European History: France and Russia (3)**
Focus on most important revolutions in modern European history: French Revolution of 1789 and Russian Revolution of 1917. Writing-emphasis course.

**HIEU 341 – History of Modern Russia (3)**
Era from Peter the Great to present.

**HIEU 383 – Studies in Premodern European History (3)**
Aspects of premodern European history. Content varies. Writing-emphasis course.
*Repeatability: May be repeated. Maximum 9 hours.*

**HIEU 384 –Studies in Modern European History (3)**
Aspects of modern European history. Content varies. Writing-emphasis course.
*Repeatability: May be repeated. Maximum 9 hours.*

**†HIEU 395 – The Crusades and Medieval Christian-Muslim Relations (3)**
Major wars of European Christian armies against Muslim societies, 1050 to 1500; political, military, cultural, religious, intellectual, and diplomatic perspectives. Writing-emphasis course. *(Same as Judaic Studies 394.)*
*History – Europe is primary.*

**HIEU 426 – Dark Age Empire (3)**
Era of Charlemagne and Carolingian dynasty (ca. 700-ca. 900), a period of empire-building and religious transformation known to many of its contemporaries as a “Dark Age.” Writing-emphasis course.

**HIEU 429 – Medieval Intellectual History (3)**
Evolution of thought in Europe from late antiquity to the advent of Humanism; emphasizes connections between major thinkers and their social, economic, and professional contexts. Writing-emphasis course.

**HIEU 431 – European Cultural and Intellectual History (3)**
Romanticism to Relativism — 1750-present. Writing-emphasis course.

**HIEU 433 – European Diplomatic History (3)**
Diplomatic history of modern Europe, including rise of Great Powers and "balance of power system"; challenges to state system by Napoleon, German empire, and Hitler; creation of overseas empires; decline of European world power. Writing-emphasis course.

**HIEU 434 – Modern European Imperialism (3)**
Topics include slave trade, scramble for Africa, liberal imperialism, theories of empire, gender, migration, and decolonization. Writing-emphasis course.

**HIEU 435 – Science, Religion and Magic in Early Modern Europe (3)**
Course examines the role of alchemy, natural magic, and the natural sciences in early modern Europe (1400-1700); special attention to social, religious, economic, and political developments shaping intellectual traditions. Writing-emphasis course.

**HIEU 436 – History of Nazi Germany (3)**
Rise of the Nazi party in Germany, origins of ideology; rise and fall of the Third Reich; genocide against the Jews of Europe. Writing-emphasis course.

**HIEU 482 – Studies in Ancient History (3)**
Aspects of ancient Near East and Mediterranean history. Content varies. Writing-emphasis course.
Repeatability: May be repeated. Maximum 9 hours.

**HIEU 483 – Studies in Medieval and Early Modern European History (3)**
Aspects of medieval and early modern Europe. Content varies. Writing-emphasis course.
Repeatability: May be repeated. Maximum 9 hours.

**HIEU 484 – Studies in Modern European History (3)**
Themes and issues in modern European history, eighteenth century to present. Content varies. Writing-emphasis course.
Repeatability: May be repeated. Maximum 9 hours.

**(HILA) History – Latin America**

***†HILA 255 – Early Latin American and Caribbean History (3)**
Survey of Latin America and the Caribbean from pre-colonial period through independence era. Writing-emphasis course. *(Same as Latin American and Caribbean Studies 253.)*
*History – Latin America is primary.*

***†HILA 256 – Modern Latin American and Caribbean History (3)**
Survey of Latin America and the Caribbean from independence to present. Writing-emphasis course. *(Same as Latin American and Caribbean Studies 254.)*
*History – Latin America is primary.*

**†HILA 343 – History of Mexico (3)**
Mexican history from pre-colonial period to present. Writing-emphasis course. *(Same as Latin American and Caribbean Studies 341.)*
*History – Latin America is primary.*

**†HILA 344 – History of Brazil (3)**
Brazilian history from pre-colonial period to present. Writing-emphasis course. *(Same as Latin American and Caribbean Studies 342.)*
*History – Latin America is primary.*

**†HILA 360 – History of Early Latin America (3)**
Native cultures of pre-Conquest times. Conquest and colonial settlement of Iberian America. Economic, social, cultural developments, concentrating on central areas of European presence and interactions among European, indigenous, and African populations. Writing-emphasis course. *(Same as Latin American and Caribbean Studies 362.)*
*History – Latin America is primary.*

**†HILA 361 – History of Modern Latin America (3)**
Independence to modern times. Explores political and economic themes of nationhood as well as socio-economic and political dimensions of race, class, ethnicity, gender. Writing-emphasis course. *(Same as Latin American and Caribbean Studies 363.)*
*History – Latin America is primary.*

**†HILA 383 –Studies in Latin American and Caribbean History (3)**

Particular aspects of Latin American and/or Caribbean history. Content varies. Writing-emphasis course. *(Same as Latin American and Caribbean Studies 383.)*
*History – Latin America is primary.*
*Repeatability: May be repeated. Maximum 9 hours.*

**†HILA 450 – Slavery in the Early Americas (3)**
Examines the rise and fall of slavery in the Americas, ca. 1450-1888. Focus on the Caribbean, South and North America. Writing emphasis course. *(Same as Latin American and Caribbean Studies 450.)*
*History – Latin America is primary.*

*Rationale:* A new faculty member would like to add this course to put into her regular rotation of offerings. *Impact on other units:* The course will be cross listed with Latin American and Caribbean Studies and included as a Global Challenges course. *Financial impact:* None.
*Program Learning Outcomes:* History-BA 3. *Support from Assessment Activities:* None.

**†HILA 464 – The Spanish Conquest (3)**
History of Iberian and Native American societies leading up to the Spanish Conquest of the Americas, the Conquest, and its aftermath. Spanish and indigenous primary accounts of the process of conquest; cultural, religious, gender, epidemiological, and political impact on Spanish and native societies. Writing-emphasis course. *(Same as Latin American and Caribbean Studies 462.)*
*History – Latin America is primary.*

**†HILA 465 – Gender and Sexuality in Early Latin America (3)**
Gender and sexuality in social systems of pre-Colombian and colonial Latin America; consideration of indigenous and Spanish societies. Writing-emphasis course. *(Same as Latin American and Caribbean Studies 463.)*
*History – Latin America is primary.*

**†HILA 484 – Studies in Latin American and Caribbean History (3)**
Aspects of Latin American and Caribbean history. Content varies. Writing-emphasis course. *(Same as Latin American and Caribbean Studies 484.)*
*Repeatability: May be repeated. Maximum 9 hours.*
*History – Latin America is primary.*

**(HIME) History – Middle East**

**HIME 350 – Early Muslim-Christian Relations in the Middle East (3)**
History of Muslim-Christian relations from the rise of Islam to c. 1500. Writing emphasis course.

**HIME 366 – History of the Middle East and the Islamic World, 600 – 1050 (3)**
History of the Middle East, c.600 to c.1050. Islamic world from Central Asia to North Africa; focus on religious, ethnic, and political diversity. Writing-emphasis course.

**†HIME 369 – History of the Middle East and the Islamic World, ca. 1050 – 1500 (3)**
Religious, ethnic, and political diversity of the Islamic world from Central Asia to North Africa, c. 1050 to 1500. Writing-emphasis course. *(Same as Judaic Studies 366.)*
*History – Middle East is primary.*

**†HIME 370 – Modern Middle East (3)**
History of the Middle East from the 16th century to the present. Writing-emphasis course. *(Same as Judaic Studies 371.)*
*History – Middle East is primary.*

**†HIME 382 – Archaeology of the Biblical World (3)**
Archaeology and material culture of ancient Israel and the biblical world, from the Epi-Paleolithic Period (10,000 – 8,500 BCE) to the end of the Iron Age in the 6th century BCE. Writing-emphasis course. *(Same as Judaic Studies 380.)*
*History – Middle East is primary.*

**†HIME 383 – Early Jewish History (3)**
Biblical-Talmudic periods (1200 BCE-600 CE). Origins of the Israelites, development of independent Israelite and Jewish states in the ancient Near East, rise of Jewish Diaspora communities, cultural convergences with Hellenism and early Christianity, and the development of Rabbinic Judaism. Writing-emphasis course. *(Same as Judaic Studies 389.)*
*History – Middle East is primary.*

**HIME 384 – Studies in Middle East History (3)**
Aspects of Middle East history. Content varies. Writing-emphasis course.
*Repeatability: May be repeated. Maximum 9 hours.*

**HIME 385 – Studies in Jewish History (3)**
Aspects of Jewish history. Content varies. Writing-emphasis course.
*Repeatability: May be repeated. Maximum 9 hours.*

**HIME 400 – History and Archaeology of Mesopotamia (3)**

Mesopotamia (Assyria and Babylonia) from the 5th millennium to the Iron Age. Topics include development of village and state-level societies; emergence of social and political institutions; literacy, imperialism, and intersocietal interaction. Writing-emphasis course.

**HIME 484 – Studies in Middle East History (3)**
Aspects of Middle Eastern history. Content varies. Writing-emphasis course.
*Repeatability: May be repeated. Maximum 9 hours.*

**†HIME 485 – Studies in Jewish History (3)**
Aspects of Jewish civilization and culture. Content varies. Writing-emphasis course. *(Same as Judaic Studies 485.)*
*Repeatability: May be repeated. Maximum 9 hours.*

**HIME 486 – Studies in the Ancient Near East (3)**
History and archaeology of Egypt, Anatolia (Turkey), Cyprus, and Persia (Iran). Rise of social complexity and social boundaries in antiquity. Content varies. Writing-emphasis course.
*Repeatability: May be repeated. Maximum 9 hours.*

**(HIUS) History – United States**

**HIUS 221 – History of the United States (3)**
Settlement to 1877. Writing-emphasis course.

**HIUS 222 – History of the United States (3)**
1877 to present. Writing-emphasis course.

**HIUS 227 – Honors History of the United States (3)**
Honors survey, settlement to 1877.

**HIUS 228 – Honors History of the United States (3)**
Honors survey, 1877 to present.

**†HIUS 300 – The Rise and Fall of Slavery in the United States (3)**
History of the rise and fall of racial slavery in the United States. Writing-emphasis course. *(Same as Africana Studies 301 and American Studies 301.)*
*History – United States is primary.*

**†HIUS 325 – Women in American History (3)**
Experiences and perspectives of women in the US from the pre-Columbian era through the end of the 20th century. Writing-emphasis course. *(Same as Women's Studies 324.)*
*History – United States is primary.*

**†HIUS 326 – Gay American History (3)**
History of same-sex desires, behaviors, relations, and politics from colonial America to the present. Writing-emphasis course. *(Same as American Studies 324.)*
*History – United States is primary.*

**†HIUS 329 – Native American History (3)**
Histories of Native Americans East and West of the Mississippi. Writing-emphasis course. *(Same as American Studies 325.)*
*History – United States is primary.*

**HIUS 349 – United States Military History (3)**
Shifting strategy, tactics, and weaponry involved in US wars. Relationship between American society and its armed forces. Writing-emphasis course.

**HIUS 350 – Colonial America to 1763 (3)**
Social and cultural developments in the American colonies from first contact between Europeans and native peoples through the mid-18th century. Writing-emphasis course.

**HIUS 351 – The American Revolution (3)**
Growing estrangement of the American colonies from the British Empire; War for Independence; creation of American republic. Writing-emphasis course.

**HIUS 352 – The Early American Republic (3)**
Examines economic, political, and social developments in early 19th-century America. Writing-emphasis course.

**HIUS 353 – The Civil War and Reconstruction Eras (3)**
Examines major political, economic, and social developments in the United States during Civil War and Reconstruction eras. Writing-emphasis course.

**HIUS 354 – United States 1877-1933 (3)**
America's political, economic, and social development from the Gilded Age through the Great Depression. Writing-emphasis course.

**HIUS 355 – United States 1933-Present (3)**
American experience from New Deal to present. Emphasizes domestic history but includes military and foreign policy. Writing-emphasis course.

**†HIUS 356 – The 1960s in America (3)**
Politics, empowerment movements, and cultural rebellions of the 1960s. Writing-emphasis course. *(Same as American Studies 352.)*
*History – United States is primary.*

**†HIUS 359 – American Religious History (3)**
*(See Religious Studies 359.)*
*Religious Studies is primary*

**HIUS 362 – History of American Education (3)**
Examines origins of education and rise of public schools in what is now the United States, from era before European colonization to present. Writing-emphasis course.

**HIUS 363 – U.S. Constitutional History to 1877 (3)**
Constitutional development of the United States through the end of Reconstruction. Writing-emphasis course.

**HIUS 364 – U.S. Constitutional History 1877-Present (3)**
Constitutional development of the United States from the end of Reconstruction to the present. Writing-emphasis course.

**†HIUS 366 – Hollywood and the 20th Century (3)**
Social and cultural history of moving pictures as technology, art, and business. Highlights role of film in shaping twentieth-century America. Writing emphasis course. *(Same as Cinema Studies 366.)*
*History – United States is primary.*

**†HIUS 370 – African- American Religious History (3)**
Focus on diverse religious histories of African Americans from the earliest years of the trans-Atlantic slave trade; transmission of African cultures to the New World to the present. Writing-emphasis course. *(Same as Africana Studies 370.)*
*History – United States is primary.*

**†HIUS 373 – History of the Civil Rights Movement in the United States (3)**
Examines history of the civil rights movement in the United States from Reconstruction to the present. Writing-emphasis course. *(Same as Africana Studies 363 and American Studies 373.)*
*History – United States is primary.*

**†HIUS 374 – African American Women's History from Slavery to the Present (3)**
Social, cultural, political, and economic history of black women in the United States from the earliest importation of slaves from Africa and the Caribbean to the present. Writing-emphasis course. *(Same as Africana Studies 364 and Women's Studies 374.)*
*History – United States is primary.*

**†HIUS 375 – African American Experience from Colonial Period to Civil War (3)**
African-American history to the Civil War era. Writing-emphasis course. *(Same as Africana Studies 365.)*
*History – United States is primary.*

**†HIUS 376 – African American Experience from Civil War to the Present (3)**
19th- and 20th- century African-American history. Writing-emphasis course. *(Same as Africana Studies 366)*
*History – United States is primary.*

**HIUS 383 – Studies in United States History (3)**
Aspects of United States history. Content varies. Writing-emphasis course.
*Repeatability: May be repeated. Maximum 9 hours.*

**HIUS 386 – Studies in Atlantic World History (3)**
Integration of peoples and regions around the Atlantic Ocean. Ocean-centered focus. Content varies. Writing-emphasis course.
*Repeatability: May be repeated. Maximum 9 hours.*

**HIUS 396 – The American Century (3)**
Focuses on role of popular culture in shaping and reflecting American ideals and influence in a 20th-century, global context. Writing emphasis course.

**HIUS 417 – Honors Seminar in U.S. History (3)**
Selected topics in American history for honors students. Writing-emphasis course.

**†HIUS 436 – History of Gender and Sexuality in the United States (3)**
Examines role of gender and sexuality in American social and cultural history. Writing-emphasis course. *(Same as American Studies 435.)*

*History – United States is primary.*

**HIUS 439 – Food and Power in U.S. History (3)**
American history through lenses of food and agriculture; emphasizes social, political, economic, and environmental questions, and interactions with the non-human world. Writing-emphasis course.

**†HIUS 440 – War and Truth in America (3)**
Explores relationship between the U.S. government and the press in times of war; emphasis on the conflict between First Amendment rights and demands of national security. Writing-emphasis course. *(Same as American Studies 441.)*
*History – United States is primary.*

**HIUS 441 – The American West (3)**
Examines "the West" as both frontier and region, real and imagined, from the first contacts between natives and colonizers to multicultural encounters of the 20th century. Writing-emphasis course.

**HIUS 444 – History of the South (3)**
New South from Reconstruction through the Second Reconstruction. Writing-emphasis course.

**HIUS 445 – History of Appalachia (3)**
Appalachian region from pre-Columbian times to post-industrial era. Writing-emphasis course.

**HIUS 449 – History of Tennessee (3)**
Tennessee's history from the 18th century to the present. Writing-emphasis course.

**HIUS 450 – History of U.S. Foreign Relations (3)**
Examines America's role in the world; ideology and practice of U.S. diplomacy. Writing-emphasis course.

**HIUS 452 – American Experience in World War II (3)**
Diplomacy and warfare in Europe and Asia; impact on American society. Writing-emphasis course.

**†HIUS 456 – Studies in Cherokee History (3)**
Content varies. Writing-emphasis course. *(Same as American Studies 455.)*
*Repeatability: May be repeated. Maximum 9 hours.*
*History – United States is primary.*

**HIUS 484 – Studies in United States History (3)**
Aspects of United States history. Content varies. Writing-emphasis course.
*Repeatability: May be repeated. Maximum 9 hours.*

**REVISE REQUIREMENTS**

**History Major, BA**

Majors in history should prepare their programs in consultation with a departmental faculty advisor.

Continuing, returning, and transfer students must meet progression requirements before declaring a major in history.

A student may not declare a history major until he/she has completed both semesters, with a grade of C or better in each course, of a survey chosen from HIUS 221-HIUS 222, HIUS 227-HIUS 228, HIEU 241-HIEU 242, HIEU 247-HIEU 248, HIST 261-HIST 262, ~~HIST 221-HIST 222, HIST 227-HIST 228, HIST 241*-HIST 242*, HIST 247*-HIST 248*, HIST 261*-HIST 262*~~ or any two one-semester courses from any of these sequences. AP (with a score of 4 or 5) or transfer credit is acceptable to fulfill this requirement.

**Prerequisites**

- HIEU 241 - Development of Western Civilization
- HIEU 242 - Development of Western Civilization
- ~~HIST 241 - Development of Western Civilization~~
- ~~HIST 242 - Development of Western Civilization~~

or

- HIEU 247 - Honors: Development of Western Civilization
- HIEU 248 - Honors: Development of Western Civilization
- ~~HIST 247 - Honors: Development of Western Civilization~~
- ~~HIST 248 - Honors: Development of Western Civilization~~

**Major Requirements**

**A. Select 6 hours:**

- HIUS 221 - History of the United States
- HIUS 222 - History of the United States
- ~~HIST 221 - History of the United States~~
- ~~HIST 222 - History of the United States~~

or

- HIUS 227 - Honors: History of the United States
- HIUS 228 - Honors: History of the United States
- ~~HIST 227 - Honors: History of the United States~~
- ~~HIST 228 - Honors: History of the United States~~

**Select 24 upper-division hours including at least 6 hours at 400 level:**

**Select one course in European History:**

- HIEU 302 - History of Classical Greece
- HIEU 303 – History of the Roman Republic
- HIEU 304 - History of the Early Roman Empire
- HIEU 305 - History of the Later Roman Empire
- HIEU 306 - History of Hellenistic Greece
- HIEU 311 – Early Middle Ages
- HIEU 312 – High Middle Ages
- HIEU 313 – Later Middle Ages
- HIEU 314 - Renaissance Europe
- HIEU 315 - Reformation Europe, 1500-1650
- HIEU 316 - Early Modern Europe, 1650-1800
- HIEU 319 - Modern Europe, 1750-1914
- HIEU 320 - Contemporary Europe, 1900-Present
- HIEU 321 - New Testament and Early Christian Origins
- HIEU 322 - Christianity in Late Antiquity
- HIEU 323 - Deviance and Persecution in the Christian West, 1100-1700
- HIEU 332 - Europe in the Age of Total War, 1900-2000
- HIEU 333 - History of the Cold War
- HIEU 334 – Early Modern Germany
- HIEU 335 - Modern Germany
- HIEU 336 - Modern France
- HIEU 340 - Revolution in Modern European History: France and Russia
- HIEU 341 - History of Modern Russia
- HIEU 383 – Studies in Premodern European History
- HIEU 384 – Studies in Modern European History
- HIEU 395 - The Crusades and Medieval Christian-Muslim Relations
- HIEU 426 – Dark Age Empire
- HIEU 429 - Medieval Intellectual History
- HIEU 431 - European Intellectual and Cultural History
- HIEU 433 - European Diplomatic History
- HIEU 434 - Modern European Imperialism
- HIEU 435 - Science, Magic, and Religion in Early Modern Europe
- HIEU 436 – History of Nazi Germany
- HIEU 482 – Studies in Ancient History
- HIEU 483 - Studies in Medieval and Early Modern European History
- HIEU 484 – Studies in Modern European History
- ~~HIST 302 - History of Classical Greece~~
- ~~HIST 304 - History of the Roman Empire~~
- ~~HIST 305 - History of the Late Roman Empire~~
- ~~HIST 306 - History of Hellenistic Greece~~
- ~~HIST 311 - Dark Age Empire~~
- ~~HIST 312 - Medieval History~~
- ~~HIST 313 - Medieval History~~
- ~~HIST 314 - Renaissance Europe~~
- ~~HIST 315 - Reformation Europe, 1500-1650~~
- ~~HIST 316 - Early Modern Europe, 1650-1800~~
- ~~HIST 319 - Modern Europe, 1750-1914~~
- ~~HIST 320 - Contemporary Europe, 1900-Present~~
- ~~HIST 321 - New Testament and Early Christian Origins~~
- ~~HIST 322 - Christianity in Late Antiquity~~
- ~~HIST 323 - Deviance and Persecution in the Christian West, 1100-1700~~
- ~~HIST 332 - Europe in the Age of Total War, 1900-2000~~
- ~~HIST 333 - History of the Cold War~~
- ~~HIST 334 - History of Germany~~
- ~~HIST 335 - History of Germany~~
- ~~HIST 336 - Modern France~~
- ~~HIST 340 - Revolution in Modern European History: France and Russia~~
- ~~HIST 341 - History of Russia~~
- ~~HIST 342 - History of Nazi Germany~~
- ~~HIST 395 - The Crusades and Medieval Christian-Muslim Relations~~

- ~~HIST 429 - Medieval Intellectual History~~
- ~~HIST 431 - European Intellectual and Cultural History~~
- ~~HIST 432 - Topics in Modern European History~~
- ~~HIST 433 - European Diplomatic History~~
- ~~HIST 434 - Modern European Imperialism~~
- ~~HIST 435 - Science, Magic, and Religion in Early Modern Europe~~
- ~~HIST 466 - Studies in Ancient History~~
- ~~HIST 474 - Studies in Medieval and Early Modern European History~~

(HIST 373, ~~HIST 482,~~ HIST 485 when topic is appropriate)

**Select one course in United States History:**

- HIUS 300 - The Rise and Fall of Slavery in the United States
- HIUS 325 - Women in American History
- HIUS 326 - Gay American History
- HIUS 329 - Native American History
- HIUS 349 - United States Military History, 1754 to the Present
- HIUS 350 - Colonial America to 1763
- HIUS 351 - The American Revolution, 1763-1789
- HIUS 352 - The Early American Republic, 1800-1860
- HIUS 353 - The Civil War and Reconstruction Eras, 1860-1877
- HIUS 354 - United States, 1877-1933
- HIUS 355 - United States, 1933 to the Present
- HIUS 356 - The 1960s in America
- HIUS 359 - American Religious History
- HIUS 362 - History of American Education
- HIUS 363 - U.S. Constitutional History to 1877
- HIUS 364 - U.S. Constitutional History from 1877 to the Present
- HIUS 366 - Hollywood and the 20th Century
- HIUS 370 - African-American Religious History
- HIUS 373 - History of the Civil Rights Movement in the United States
- HIUS 374 - African-American Women's History from Slavery to the Present
- HIUS 375 - The African-American Experience from the Colonial Period to the Civil War
- HIUS 376 - The African-American Experience from the Civil War to the Present
- HIUS 383 – Studies in United States History
- HIUS 386 – Studies in Atlantic World History
- HIUS 396 - The American Century
- HIUS 436 - History of Gender and Sexuality in the U.S.
- HIUS 439 - Food and Power in United States History
- HIUS 440 - War and Truth in America
- HIUS 441 - The American West
- HIUS 444 - History of the South
- HIUS 445 – History of Appalachia
- HIUS 449 - History of Tennessee
- HIUS 450 - History of United States Foreign Relations
- HIUS 452 - The American Experience in World War II
- HIUS 456 - Studies in Cherokee History
- HIUS 484 - Studies in United States History
- ~~HIST 300 - The Rise and Fall of Slavery in the United States~~
- ~~HIST 325 - Women in American History~~
- ~~HIST 326 - Gay American History~~
- ~~HIST 329 - Native American History~~
- ~~HIST 346 - African-American Religious History~~
- ~~HIST 349 - United States Military History, 1754 to the Present~~
- ~~HIST 350 - Colonial America to 1763~~
- ~~HIST 351 - The American Revolution, 1763-1789~~
- ~~HIST 352 - The Early American Republic, 1800-1860~~
- ~~HIST 353 - The Civil War and Reconstruction Eras, 1860-1877~~
- ~~HIST 354 - United States, 1877-1933~~
- ~~HIST 355 - United States, 1933 to the Present~~
- ~~HIST 356 - The 1960s in America~~
- ~~HIST 359 - American Religious History~~
- ~~HIST 362 - History of American Education~~
- ~~HIST 363 - U.S. Constitutional History to 1877~~
- ~~HIST 364 - U.S. Constitutional History from 1877 to the Present~~
- ~~HIST 366 - Hollywood and the 20th Century~~
- ~~HIST 374 - History of the Civil Rights Movement in the United States~~
- ~~HIST 376 - African-American Women's History from Slavery to the Present~~

- ~~HIST 379 - The African-American Experience from the Colonial Period to the Civil War~~
- ~~HIST 380 - The African-American Experience from the Civil War to the Present~~
- ~~HIST 396 - The American Century~~
- ~~HIST 436 - History of Gender and Sexuality in the U.S.~~
- ~~HIST 439 - Food and Power in United States History~~
- ~~HIST 440 - War and Truth in America~~
- ~~HIST 441 - The American West~~
- ~~HIST 444 - History of the South~~
- ~~HIST 449 - History of Tennessee~~
- ~~HIST 450 - History of United States Foreign Relations~~
- ~~HIST 452 - The American Experience in World War II~~
- ~~HIST 456 - Topics in Cherokee History~~
- ~~HIST 479 - Studies in United States History~~

(HIST 373, ~~HIST 482,~~ HIST 485 when topic is appropriate)

**Select two courses (from two different areas):**

**Africa**

- HIAF 371 – Africa to 1400
- HIAF 372 – Africa since 1400
- HIAF 381 - History of South Africa
- HIAF 383 - Studies in African History
- HIAF 484 – Studies in African History
- ~~HIST 371 - African History~~
- ~~HIST 372 - African History~~
- ~~HIST 381 - History of South Africa~~
- ~~HIST 469 - Studies in African History~~

(HIST 373, HIST 385, ~~HIST 482,~~ HIST 485 when topic is appropriate)

**Asia**

- HIAS 383 – Studies in Asian History
- HIAS 389 – Pre-Modern Chinese History
- HIAS 390 – Modern Chinese History
- HIAS 391 - Modern Chinese Intellectual History
- HIAS 392 - History of Pre-Modern Japan
- HIAS 393 - History of Modern Japan
- HIAS 394 - Chinese Intellectual History: Early Times
- HIAS 484 - Studies in Asian History
- HIAS 494 - History of Tokyo, 1590-Present
- HIAS 495 - Modern China in Film
- ~~HIST 389 - History of China~~
- ~~HIST 390 - History of China~~
- ~~HIST 391 - Modern Chinese Intellectual History~~
- ~~HIST 392 - History of Pre-Modern Japan~~
- ~~HIST 393 - History of Modern Japan~~
- ~~HIST 394 - Chinese Intellectual History: Early Times~~
- ~~HIST 476 - Studies in East Asian History~~
- ~~HIST 494 - History of Tokyo, 1590-Present~~
- ~~HIST 495 - Modern China in Film~~

(HIST 373, HIST 385, ~~HIST 482,~~ HIST 485 when topic is appropriate)

**Latin America**

- HILA 343 - History of Mexico
- HILA 344 - History of Brazil
- HILA 360 - History of Early Latin America
- HILA 361 - History of Modern Latin America
- HILA 383 - Studies in Latin American and Caribbean History
- HILA 450 – Slavery in the Early Americas
- HILA 464 - The Spanish Conquest
- HILA 465 - Gender and Sexuality in Early Latin America
- HILA 484 - Studies in Latin American and Caribbean History
- ~~HIST 343 - History of Mexico~~
- ~~HIST 344 - History of Brazil~~
- ~~HIST 360 - History of Early Latin America to 1824~~
- ~~HIST 361 - History of Modern Latin America since 1810~~
- ~~HIST 464 - The Spanish Conquest~~
- ~~HIST 465 - Gender and Sexuality in Early Latin America~~
- ~~HIST 475 - Studies in Latin American and Caribbean History~~

(HIST 373, HIST 385, ~~HIST 482,~~ HIST 485 when topic is appropriate)

**Middle East**

- HIME 350 – Early Muslim-Christian Relations in the Middle East

- HIME 366 - History of the Middle East and the Islamic World, 600-1050
- HIME 369 - History of the Middle East and the Islamic World, 1050-1500
- HIME 370 – Modern Middle East
- HIME 382 - Archaeology of the Biblical World
- HIME 383 - Early Jewish History
- HIME 384 - Studies in Middle Eastern History
- HIME 385 – Studies in Jewish History
- HIME 400 - History and Archaeology of Mesopotamia
- HIME 484 – Studies in Middle East History
- HIME 485 - Studies in Jewish History
- HIME 486 - Studies in the Ancient Near East
- ~~HIST 369 - History of the Middle East~~
- ~~HIST 370 - History of the Middle East~~
- ~~HIST 382 - Archaeology of the Biblical World~~
- ~~HIST 383 - Early Jewish History~~
- ~~HIST 400 - History and Archaeology of Mesopotamia~~
- ~~HIST 480 - Studies in Middle Eastern History~~
- ~~HIST 484 - Studies in Jewish History~~
- ~~HIST 486 - Studies in the Ancient Near East~~

(HIST 373, HIST 385, HIST 395, ~~HIST 482,~~ HIST 485 when topic is appropriate)

**Select one course from Pre-1750 History:**

- HIAF 371 – Africa to 1400
- HIAS 389 – Pre-Modern Chinese History
- HIAS 392 - History of Pre-Modern Japan
- HIAS 394 - Chinese Intellectual History: Early Times
- HIEU 302 - History of Classical Greece
- HIEU 303 – History of the Roman Republic
- HIEU 304 - History of the Early Roman Empire
- HIEU 305 - History of the Later Roman Empire
- HIEU 306 - History of Hellenistic Greece
- HIEU 311 – Early Middle Ages
- HIEU 312 – High Middle Ages
- HIEU 313 – Later Middle Ages
- HIEU 314 - Renaissance Europe
- HIEU 315 - Reformation Europe, 1500-1650
- HIEU 316 - Early Modern Europe, 1650-1800
- HIEU 321 - New Testament and Early Christian Origins
- HIEU 322 - Christianity in Late Antiquity
- HIEU 323 - Deviance and Persecution in the Christian West, 1100-1700
- HIEU 334 – Early Modern Germany
- HIEU 383 – Studies in Premodern European History
- HIEU 395 - The Crusades and Medieval Christian-Muslim Relations
- HIEU 426 – Dark Age Empire
- HIEU 429 - Medieval Intellectual History
- HIEU 435 – Science, Religion and Magic in Early Modern Europe
- HIEU 482 - Studies in Ancient History
- HIEU 438 – Studies in Medieval and Early Modern European History
- HILA 360 - History of Early Latin America to 1824
- HILA 450 – Slavery in the Early Americas
- HILA 464 - The Spanish Conquest
- HIME 350 – Early Muslim-Christian Relations in the Middle East
- HIME 366 - History of the Middle East and the Islamic World, 600-1050
- HIME 369 - History of the Middle East and the Islamic World, 1050-1500
- HIME 382 - Archaeology of the Biblical World
- HIME 383 - Early Jewish History
- HIUS 350 - Colonial America to 1763
- ~~HIST 302 - History of Classical Greece~~
- ~~HIST 304 - History of the Roman Empire~~
- ~~HIST 305 - History of the Late Roman Empire~~
- ~~HIST 306 - History of Hellenistic Greece~~
- ~~HIST 312 - Medieval History~~
- ~~HIST 313 - Medieval History~~
- ~~HIST 314 - Renaissance Europe~~
- ~~HIST 315 - Reformation Europe, 1500-1650~~
- ~~HIST 316 - Early Modern Europe, 1650-1800~~
- ~~HIST 321 - New Testament and Early Christian Origins~~

- ~~HIST 322 - Christianity in Late Antiquity~~
- ~~HIST 323 - Deviance and Persecution in the Christian West, 1100-1700~~
- ~~HIST 334 - History of Germany~~
- ~~HIST 350 - Colonial America to 1763~~
- ~~HIST 360 - History of Early Latin America to 1824~~
- ~~HIST 369 - History of the Middle East~~
- ~~HIST 371 - African History~~
- ~~HIST 382 - Archaeology of the Biblical World~~
- ~~HIST 383 - Early Jewish History~~
- ~~HIST 389 - History of China~~
- ~~HIST 392 - History of Pre-Modern Japan~~
- ~~HIST 395 - The Crusades and Medieval Christian-Muslim Relations~~
- ~~HIST 429 - Medieval Intellectual History~~
- ~~HIST 464 - The Spanish Conquest~~
- ~~HIST 466 - Studies in Ancient History~~
- ~~HIST 474 - Studies in Medieval and Early Modern European History~~

(HIST 373, ~~HIST 482,~~ HIST 485 when topic is appropriate)

(uTrack Showcase)

**Requirements for Bachelor of Arts in History**

| | | |
|---|---|---|
| **Term 3** | | |
| Communicating Orally Elective* | 3 | Complete at least 36 hours by the end of the term |
| HIUS 221 or HIUS 227 ~~HIST 221 or HIST 227~~ | 3 | |
| Social Sciences* | 3 | |
| [1]Electives | 6 | |
| **Term 4** | | |
| Communicating through Writing Elective* | 3 | ENGL 102* |
| HIUS 222 or HIUS 228 ~~HIST 222 or HIST 228~~ | 3 | HIST 241*, HIST 242*, HIST 261*, or HIST 262*, with a grade of C or better |
| HIUS 241* or HIUS 247* ~~HIST 241* or HIST 247*~~ or HIST 261* or HIST 267* | 3 | |
| [1]Electives | 6 | |
| **Term 5** | | |
| Arts and Humanities (List A)* | 3 | Complete a two-course sequence from HIST 241*-HIST 242* or HIST 261*-HIST 262* with grades of C or better in both courses |
| HIUS 242* or HIUS 248* ~~HIST 242* or HIST 248*~~ or HIST 262* or HIST 268* (continuation of sequence) | 3 | |
| HIST 299 | 3 | |
| [2]Connections | 3 | |
| Global Challenges | 3 | |

**Honors Concentration**

**Select 6 hours:**

- HIUS 221 - History of the United States
- HIUS 222 - History of the United States
- ~~HIST 221 - History of the United States~~
- ~~HIST 222 - History of the United States~~

or

- HIUS 227 - Honors: History of the United States
- HIUS 228 - Honors: History of the United States
- ~~HIST 227 - Honors: History of the United States~~
- ~~HIST 228 - Honors: History of the United States~~

**Select 24 upper-division hours:**

**Select one course in European History:**

- HIEU 302 - History of Classical Greece
- HIEU 303 – History of the Roman Republic
- HIEU 304 - History of the Early Roman Empire
- HIEU 305 - History of the Later Roman Empire
- HIEU 306 - History of Hellenistic Greece
- HIEU 311 – Early Middle Ages
- HIEU 312 – High Middle Ages
- HIEU 313 – Later Middle Ages
- HIEU 314 - Renaissance Europe
- HIEU 315 - Reformation Europe, 1500-1650
- HIEU 316 - Early Modern Europe, 1650-1800
- HIEU 319 - Modern Europe, 1750-1914

- HIEU 320 - Contemporary Europe, 1900-Present
- HIEU 321 - New Testament and Early Christian Origins
- HIEU 322 - Christianity in Late Antiquity
- HIEU 323 - Deviance and Persecution in the Christian West, 1100-1700
- HIEU 332 - Europe in the Age of Total War, 1900-2000
- HIEU 333 - History of the Cold War
- HIEU 334 – Early Modern Germany
- HIEU 335 - Modern Germany
- HIEU 336 - Modern France
- HIEU 340 - Revolution in Modern European History: France and Russia
- HIEU 341 - History of Modern Russia
- HIEU 383 – Studies in Premodern European History
- HIEU 384 – Studies in Modern European History
- HIEU 395 - The Crusades and Medieval Christian-Muslim Relations
- HIEU 426 – Dark Age Empire
- HIEU 429 - Medieval Intellectual History
- HIEU 431 - European Intellectual and Cultural History
- HIEU 433 - European Diplomatic History
- HIEU 434 - Modern European Imperialism
- HIEU 435 - Science, Magic, and Religion in Early Modern Europe
- HIEU 436 – History of Nazi Germany
- HIEU 482 – Studies in Ancient History
- HIEU 483 - Studies in Medieval and Early Modern European History
- HIEU 484 – Studies in Modern European History
- ~~HIST 302 - History of Classical Greece~~
- ~~HIST 304 - History of the Roman Empire~~
- ~~HIST 305 - History of the Late Roman Empire~~
- ~~HIST 306 - History of Hellenistic Greece~~
- ~~HIST 311 - Dark Age Empire~~
- ~~HIST 312 - Medieval History~~
- ~~HIST 313 - Medieval History~~
- ~~HIST 314 - Renaissance Europe~~
- ~~HIST 315 - Reformation Europe, 1500-1650~~
- ~~HIST 316 - Early Modern Europe, 1650-1800~~
- ~~HIST 319 - Modern Europe, 1750-1914~~
- ~~HIST 320 - Contemporary Europe, 1900-Present~~
- ~~HIST 321 - New Testament and Early Christian Origins~~
- ~~HIST 322 - Christianity in Late Antiquity~~
- ~~HIST 323 - Deviance and Persecution in the Christian West, 1100-1700~~
- ~~HIST 332 - Europe in the Age of Total War, 1900-2000~~
- ~~HIST 333 - History of the Cold War~~
- ~~HIST 334 - History of Germany~~
- ~~HIST 335 - History of Germany~~
- ~~HIST 336 - Modern France~~
- ~~HIST 340 - Revolution in Modern European History: France and Russia~~
- ~~HIST 341 - History of Russia~~
- ~~HIST 342 - History of Nazi Germany~~
- ~~HIST 395 - The Crusades and Medieval Christian-Muslim Relations~~
- ~~HIST 429 - Medieval Intellectual History~~
- ~~HIST 431 - European Intellectual and Cultural History~~
- ~~HIST 432 - Topics in Modern European History~~
- ~~HIST 433 - European Diplomatic History~~
- ~~HIST 434 - Modern European Imperialism~~
- ~~HIST 435 - Science, Magic, and Religion in Early Modern Europe~~
- ~~HIST 466 - Studies in Ancient History~~
- ~~HIST 474 - Studies in Medieval and Early Modern European History~~

(HIST 373, HIST 418, ~~HIST 482,~~ HIST 485 when topic is appropriate)

**Select one course in United States History:**

- ~~HIST 300 - The Rise and Fall of Slavery in the United States~~
- ~~HIST 325 - Women in American History~~
- ~~HIST 326 - Gay American History~~
- ~~HIST 329 - Native American History~~
- ~~HIST 346 - African-American Religious History~~
- ~~HIST 349 - United States Military History, 1754 to the Present~~
- ~~HIST 350 - Colonial America to 1763~~
- ~~HIST 351 - The American Revolution, 1763-1789~~

- ~~HIST 352 - The Early American Republic, 1800-1860~~
- ~~HIST 353 - The Civil War and Reconstruction Eras, 1860-1877~~
- ~~HIST 354 - United States, 1877-1933~~
- ~~HIST 355 - United States, 1933 to the Present~~
- ~~HIST 356 - The 1960s in America~~
- ~~HIST 359 - American Religious History~~
- ~~HIST 362 - History of American Education~~
- ~~HIST 363 - U.S. Constitutional History to 1877~~
- ~~HIST 364 - U.S. Constitutional History from 1877 to the Present~~
- ~~HIST 366 - Hollywood and the 20th Century~~
- ~~HIST 374 - History of the Civil Rights Movement in the United States~~
- ~~HIST 376 - African-American Women's History from Slavery to the Present~~
- ~~HIST 379 - The African-American Experience from the Colonial Period to the Civil War~~
- ~~HIST 380 - The African-American Experience from the Civil War to the Present~~
- ~~HIST 396 - The American Century~~
- ~~HIST 417 - Honors: Seminar in United States History~~
- ~~HIST 436 - History of Gender and Sexuality in the U.S.~~
- ~~HIST 439 - Food and Power in United States History~~
- ~~HIST 440 - War and Truth in America~~
- ~~HIST 441 - The American West~~
- ~~HIST 444 - History of the South~~
- ~~HIST 449 - History of Tennessee~~
- ~~HIST 450 - History of United States Foreign Relations~~
- ~~HIST 452 - The American Experience in World War II~~
- ~~HIST 456 - Topics in Cherokee History~~
- ~~HIST 479 - Studies in United States History~~
- HIUS 300 - The Rise and Fall of Slavery in the United States
- HIUS 325 - Women in American History
- HIUS 326 - Gay American History
- HIUS 329 - Native American History
- HIUS 349 - United States Military History, 1754 to the Present
- HIUS 350 - Colonial America to 1763
- HIUS 351 - The American Revolution, 1763-1789
- HIUS 352 - The Early American Republic, 1800-1860
- HIUS 353 - The Civil War and Reconstruction Eras, 1860-1877
- HIUS 354 - United States, 1877-1933
- HIUS 355 - United States, 1933 to the Present
- HIUS 356 - The 1960s in America
- HIUS 359 - American Religious History
- HIUS 362 - History of American Education
- HIUS 363 - U.S. Constitutional History to 1877
- HIUS 364 - U.S. Constitutional History from 1877 to the Present
- HIUS 366 - Hollywood and the 20th Century
- HIUS 370 - African-American Religious History
- HIUS 373 - History of the Civil Rights Movement in the United States
- HIUS 374 - African-American Women's History from Slavery to the Present
- HIUS 375 - The African-American Experience from the Colonial Period to the Civil War
- HIUS 376 - The African-American Experience from the Civil War to the Present
- HIUS 383 – Studies in United States History
- HIUS 386 – Studies in Atlantic World History
- HIUS 396 - The American Century
- HIUS 417 – Honors: Seminar in United States History
- HIUS 436 - History of Gender and Sexuality in the U.S.
- HIUS 439 - Food and Power in United States History
- HIUS 440 - War and Truth in America
- HIUS 441 - The American West
- HIUS 444 - History of the South
- HIUS 445 – History of Appalachia
- HIUS 449 - History of Tennessee
- HIUS 450 - History of United States Foreign Relations
- HIUS 452 - The American Experience in World War II
- HIUS 456 - Studies in Cherokee History
- HIUS 484 - Studies in United States History

(HIST 373, ~~HIST 482,~~ HIST 485 when topic is appropriate)

**Select two courses (from two different areas):**

**Africa**

- HIAF 371 – Africa to 1400
- HIAF 372 – Africa since 1400
- HIAF 381 - History of South Africa
- HIAF 383 - Studies in African History
- HIAF 484 – Studies in African History
- ~~HIST 371 - African History~~
- ~~HIST 372 - African History~~
- ~~HIST 381 - History of South Africa~~
- ~~HIST 469 - Studies in African History~~

(HIST 373, HIST 385, HIST 418, ~~HIST 482,~~ HIST 485 when topic is appropriate)

**Asia**

- HIAS 383 – Studies in Asian History
- HIAS 389 – Pre-Modern Chinese History
- HIAS 390 – Modern Chinese History
- HIAS 391 - Modern Chinese Intellectual History
- HIAS 392 - History of Pre-Modern Japan
- HIAS 393 - History of Modern Japan
- HIAS 394 - Chinese Intellectual History: Early Times
- HIAS 484 - Studies in Asian History
- HIAS 494 - History of Tokyo, 1590-Present
- HIAS 495 - Modern China in Film
- ~~HIST 389 - History of China~~
- ~~HIST 390 - History of China~~
- ~~HIST 391 - Modern Chinese Intellectual History~~
- ~~HIST 392 - History of Pre-Modern Japan~~
- ~~HIST 393 - History of Modern Japan~~
- ~~HIST 394 - Chinese Intellectual History: Early Times~~
- ~~HIST 476 - Studies in East Asian History~~
- ~~HIST 494 - History of Tokyo, 1590-Present~~
- ~~HIST 495 - Modern China in Film~~

(HIST 373, HIST 385, HIST 418, ~~HIST 482,~~ HIST 485 when topic is appropriate)

**Latin America**

- HILA 343 - History of Mexico
- HILA 344 - History of Brazil
- HILA 360 - History of Early Latin America to 1824
- HILA 361 - History of Modern Latin America since 1810
- HILA 383 - Studies in Latin American and Caribbean History
- HILA 450 – Slavery in the Early Americas
- HILA 464 - The Spanish Conquest
- HILA 465 - Gender and Sexuality in Early Latin America
- HILA 484 - Studies in Latin American and Caribbean History
- ~~HIST 343 - History of Mexico~~
- ~~HIST 344 - History of Brazil~~
- ~~HIST 360 - History of Early Latin America to 1824~~
- ~~HIST 361 - History of Modern Latin America since 1810~~
- ~~HIST 464 - The Spanish Conquest~~
- ~~HIST 465 - Gender and Sexuality in Early Latin America~~
- ~~HIST 475 - Studies in Latin American and Caribbean History~~

(HIST 373, HIST 385, HIST 418, ~~HIST 482,~~ HIST 485 when topic is appropriate)

**Middle East**

- HIME 350 – Early Muslim-Christian Relations in the Middle East
- HIME 366 - History of the Middle East and the Islamic World, 600-1050
- HIME 369 - History of the Middle East and the Islamic World, 1050-1500
- HIME 370 – Modern Middle East
- HIME 382 - Archaeology of the Biblical World
- HIME 383 - Early Jewish History
- HIME 384 - Studies in Middle Eastern History
- HIME 385 – Studies in Jewish History
- HIME 400 - History and Archaeology of Mesopotamia
- HIME 484 – Studies in Middle East History
- HIME 485 - Studies in Jewish History
- HIME 486 - Studies in the Ancient Near East
- ~~HIST 369 - History of the Middle East~~
- ~~HIST 370 - History of the Middle East~~
- ~~HIST 382 - Archaeology of the Biblical World~~
- ~~HIST 383 - Early Jewish History~~

- ~~HIST 400 - History and Archaeology of Mesopotamia~~
- ~~HIST 480 - Studies in Middle Eastern History~~
- ~~HIST 484 - Studies in Jewish History~~
- ~~HIST 486 - Studies in the Ancient Near East~~

(~~HIST 373, HIST 385,~~ HIST 395, HIST 418, ~~HIST 482,~~ HIST 483 ~~HIST 485~~ when topic is appropriate)

**Select one course from Pre-1750 History:**

- HIAF 371 – Africa to 1400
- HIAS 389 – Pre-Modern Chinese History
- HIAS 392 - History of Pre-Modern Japan
- HIAS 394 - Chinese Intellectual History: Early Times
- HIEU 302 - History of Classical Greece
- HIEU 303 – History of the Roman Republic
- HIEU 304 - History of the Early Roman Empire
- HIEU 305 - History of the Later Roman Empire
- HIEU 306 - History of Hellenistic Greece
- HIEU 311 – Early Middle Ages
- HIEU 312 – High Middle Ages
- HIEU 313 – Later Middle Ages
- HIEU 314 - Renaissance Europe
- HIEU 315 - Reformation Europe, 1500-1650
- HIEU 316 - Early Modern Europe, 1650-1800
- HIEU 321 - New Testament and Early Christian Origins
- HIEU 322 - Christianity in Late Antiquity
- HIEU 323 - Deviance and Persecution in the Christian West, 1100-1700
- HIEU 334 – Early Modern Germany
- HIEU 383 – Studies in Premodern European History
- HIEU 395 - The Crusades and Medieval Christian-Muslim Relations
- HIEU 426 – Dark Age Empire
- HIEU 429 - Medieval Intellectual History
- HIEU 435 – Science, Religion and Magic in Early Modern Europe
- HIEU 482 - Studies in Ancient History
- HIEU 438 – Studies in Medieval and Early Modern European History
- HILA 360 - History of Early Latin America to 1824
- HILA 450 – Slavery in the Early Americas
- HILA 464 - The Spanish Conquest
- HIME 350 – Early Muslim-Christian Relations in the Middle East
- HIME 366 - History of the Middle East and the Islamic World, 600-1050
- HIME 369 - History of the Middle East and the Islamic World, 1050-1500
- HIME 382 - Archaeology of the Biblical World
- HIME 383 - Early Jewish History
- HIUS 350 - Colonial America to 1763

(HIST 373, HIST 418, ~~HIST 482,~~ HIST 485 when topic is appropriate)

(uTrack Showcase)

**Requirements for a Bachelor of Arts in History – Honors Concentration**

| | | |
|---|---|---|
| **Term 3** | | |
| Communicating Orally Elective* | 3 | Complete at least 36 hours by the end of the term |
| HIUS 221 or HIUS 227 ~~HIST 221 or HIST 227~~ | 3 | |
| Social Sciences* | 3 | |
| [1]Electives | 6 | |
| **Term 4** | | |
| Communicating through Writing Elective* | 3 | ENGL 102* |
| HIUS 222 or HIUS 228 ~~HIST 222 or HIST 228~~ | 3 | HIST 241*, HIST 242*, HIST 261*, or HIST 262*, with a grade of C or better |
| HIUS 241* or HIUS 247* ~~HIST 241* or HIST 247*~~ or HIST 261* or HIST 267* | 3 | |
| [1]Electives | 6 | |
| **Term 5** | | |
| Arts and Humanities (List A)* | 3 | Complete a two-course sequence from HIST 241*-HIST 242* or HIST 261*-HIST 262* with grades of C or better in both courses |
| HIUS 242* or HIUS 248* ~~HIST 242* or HIST 248*~~ or HIST 262* or HIST 268* (continuation of sequence) | 3 | |
| HIST 299 | 3 | |
| [2]Connections | 3 | |
| Global Challenges | 3 | |

**History Minor**

HIEU 241*-HIEU 242* ~~HIST 241*-HIST 242*~~ or HIST 261*-HIST 262* (or honors equivalents) plus 15 hours at the 300- and 400-level.

*Rationale:* Because HIST is running out of numbers, the History department is dropping most of its HIST courses and adding them back under different codes which makes changes to their programs necessary. *Impact on other units:* The program changes have no direct impact on other units. *Financial impact:* None.

**INTERDISCIPLINARY PROGRAMS**
**(ASST) Asian Studies**

Asian Studies Concentration, BA (Interdisciplinary Programs Major)
1. Students must achieve proficiency in an Asian language at an intermediate level or above.
2. Students will demonstrate comprehension of select aspects of Asian civilizations as manifested sociopolitical systems, literary/artistic expressions, and sociological and economic trends.
3. Students will demonstrate ability to analyze sources, material evidence, and/or other forms of primary documents appropriate to the study of Asian culture in the humanities, social sciences, and languages.

**ADD**

**ASST 401 – South Asian Cinema: Bollywood and Beyond (3)**
Introduces classic, Bollywood, and diasporic South Asian film. Presents films beloved by diverse audiences across the globe for their entertainment values but that also pose questions of identity, nationalism, and modernity. Examines why the storytelling in the films viewed is so compelling and how the films are situated the in social, cultural, and historical contexts in which they were created.

*Rationale:* This course has been offered as a special topics course and has been well received. It now needs its own number so the course topic will appear on students' transcripts and so that the course can be included in Connections Packages. This also will supplement our offerings in the South Asia area. *Impact on other units:* No direct impact. *Financial Impact:* None.
*Program Learning Outcomes:* IDP Asian Studies-BA 2. *Support from Assessment Activities:* Curriculum review.

**REVISE REQUIREMENTS**

**Asian Studies Concentration, BA (Interdisciplinary Programs Major)**

**Concentration Requirements**

**I. China**

**Select 6 hours (Subdivision A):**
- CHIN 471 – Introduction to Chinese Linguistics

**Select 6 hours (other geographical – cultural area):**
- ARAB 331 – Advanced Arabic Composition and Grammar
- ARAB 332 – Formal Spoken Arabic
- ARAB 431 – Media Arabic
- ARAB 432 – Introduction to Modern Arabic Literature
- ASST 401 – South Asian Cinema: Bollywood and Beyond
- REST 336 – Literatures of Islam
- REST 339 – Islam in the Modern World

**Select 12 remaining hours:**
- ARAB 331 – Advanced Arabic Composition and Grammar
- ARAB 332 – Formal Spoken Arabic
- ARAB 431 – Media Arabic
- ARAB 432 – Introduction to Modern Arabic Literature
- ASST 401 – South Asian Cinema: Bollywood and Beyond
- CHIN 471 – Introduction to Chinese Linguistics
- REST 336 – Literatures of Islam
- REST 339 – Islam in the Modern World

**II. Islamic World (30 hours)**

**Select 6 hours (Subdivision A)**
- ARAB 331 – Advanced Arabic Composition and Grammar
- ARAB 332 – Formal Spoken Arabic
- ARAB 431 – Media Arabic
- ARAB 432 – Introduction to Modern Arabic Literature
- REST 339 – Islam in the Modern World

**Select 6 hours (other geographical – cultural area):**
- ASST 401 – South Asian Cinema: Bollywood and Beyond
- CHIN 471 – Introduction to Chinese Linguistics

**Select 12 remaining hours:**
- ARAB 331 – Advanced Arabic Composition and Grammar

- ARAB 332 – Formal Spoken Arabic
- ARAB 431 – Media Arabic
- ARAB 432 – Introduction to Modern Arabic Literature
- ASST 401 – South Asian Cinema: Bollywood and Beyond
- CHIN 471 – Introduction to Chinese Linguistics
- REST 336 – Literatures of Islam
- REST 339 – Islam in the Modern World

**III. Japan (30 hours)**

**Select 6 hours (other geographical – cultural area):**

- ARAB 331 – Advanced Arabic Composition and Grammar
- ARAB 332 – Formal Spoken Arabic
- ARAB 431 – Media Arabic
- ARAB 432 – Introduction to Modern Arabic Literature
- ASST 401 – South Asian Cinema: Bollywood and Beyond
- CHIN 471 – Introduction to Chinese Linguistics
- REST 336 – Literatures of Islam
- REST 339 – Islam in the Modern World

**Select 12 remaining hours:**

- ARAB 331 – Advanced Arabic Composition and Grammar
- ARAB 332 – Formal Spoken Arabic
- ARAB 431 – Media Arabic
- ARAB 432 – Introduction to Modern Arabic Literature
- ASST 401 – South Asian Cinema: Bollywood and Beyond
- CHIN 471 – Introduction to Chinese Linguistics
- REST 336 – Literatures of Islam
- REST 339 – Islam in the Modern World

**IV. South Asia (30 hours)**

**Select 6 hours (Subdivision A):**

- ASST 401 – South Asian Cinema: Bollywood and Beyond

**IV. South Asia**

**Select 6 hours (other geographical – cultural area):**

- ARAB 331 – Advanced Arabic Composition and Grammar
- ARAB 332 – Formal Spoken Arabic
- ARAB 431 – Media Arabic
- ARAB 432 – Introduction to Modern Arabic Literature
- CHIN 471 – Introduction to Chinese Linguistics
- REST 336 – Literatures of Islam
- REST 339 – Islam in the Modern World

**Select 12 remaining hours:**

- ARAB 331 – Advanced Arabic Composition and Grammar
- ARAB 332 – Formal Spoken Arabic
- ARAB 431 – Media Arabic
- ARAB 432 – Introduction to Modern Arabic Literature
- ASST 401 – South Asian Cinema: Bollywood and Beyond
- CHIN 471 – Introduction to Chinese Linguistics
- REST 336 – Literatures of Islam
- REST 339 – Islam in the Modern World

*Rationale:* All of these courses are appropriate courses for the Asian Studies program. *Impact on other units:* No direct impact. Primary departments have approved additions. *Financial impact:* None.

**(CNST) Cinema Studies**

(Concentration has not provided PLOs.)

**REVISE REQUIREMENTS**

**Cinema Studies Concentration, BA (Interdisciplinary Programs Major)**

**Concentration Requirements**

**Complete 21 additional hours**

**History/Theory/Aesthetics**

- CNST 366 – Hollywood and the 20th Century
- ~~CNST 495 – Modern China in Film~~
- CNST 496 – Modern China in Film

*Rationale:* 366 is an appropriate course for this program. 495 is being dropped by History and added back under a different code so cross listing had to be dropped and added as different number. *Impact on other units:* Cross listed History courses. The primary department approves this listing. *Financial impact:* None.

**(COLI) Comparative Literature**

**DROP**

**Subject Code COLI (Comparative Literature)**

**COLI 202 – Cross-Cultural Perspectives in World Literature (3)**
**COLI 401 – Special Topics in Comparative Literature (3)**
**COLI 402 – Special Topics in Comparative Literature (3)**
**†COLI 452 – Modern Drama (3) *(See English 452.) Primary department is English.***
**†COLI 454 – Twentieth-Century International Novel (3) *(See English 454.) Primary department is English.***
**COLI 491 – Foreign Study (1-6)**
**COLI 492 – Off-Campus Study (1-6)**
**COLI 493 – Independent Study (1-6)**

**END PROGRAMS**

**Comparative Literature Concentration, BA (Interdisciplinary Programs Major)**
**Comparative Literature Minor**

*Rationale:* This program has been inactive and has had no students for some time. The program is now being dropped. *Impact on other units:* None. *Financial impact:* None.

**(LAC) Latin American and Caribbean Studies**

(Concentration has not provided PLOs.)

**REVISE REQUIREMENTS**

**Latin American and Caribbean Studies Concentration – Brazilian Studies Track, BA (Interdisciplinary Programs Major)**

Revise text to add the following paragraph below name of chair:

The Latin American and Caribbean Studies program offers students a broad sampling of courses from numerous academic disciplines, which enables comprehensive and integrated study of Latin American and Caribbean histories, cultures, politics and languages. Within the program, the Brazilian studies concentration enables students to focus their intellectual inquiry on this increasingly influential country, placing the Brazilian experience in regional perspective. The major is sponsored by the joint efforts of professors from such departments as Anthropology, Geography, History, Modern Foreign Languages and Literatures, Political Science, Religious Studies, and Sociology.

*Rationale:* Program chair believes an introductory paragraph is needed. *Impact on other units:* None. *Financial impact:* None.

**Major Requirements**

**Select 9 hours:**

- HILA 344 – History of Brazil
- ~~HIST 344 – History of Brazil~~

**Select 15 upper-division hours:**

- ANTH 314 – Latinos in the United States
- ANTH 323 – Topics in Latin American Ethnography
- HILA 343 – History of Mexico
- HILA 344 – History of Brazil
- HILA 360 – History of Early Latin America
- HILA 361 – History of Modern Latin America
- HILA 464 – The Spanish Conquest
- HILA 465 – Gender and Sexuality in Early Latin America
- ~~HIST 343 – History of Mexico~~
- ~~HIST 344 – History of Brazil~~
- ~~HIST 360 – History of Early Latin America to 1824~~
- ~~HIST 361 – History of Modern Latin America since 1810~~
- ~~HIST 464 – The Spanish Conquest~~
- ~~HIST 465 – Gender and Sexuality in Early Latin America~~
- ~~HIST 475 – Studies in Latin American and Caribbean History~~
- LAC 383 – Studies in Latin American and Caribbean History
- LAC 450 – Slavery in the Early Americas
- REST 356 – Rastafari and Afro-Caribbean Religions

*Rationale:* History is dropping their courses and adding back with different codes. The Anthropology and Religious Studies courses are appropriate for this program. *Impact on other units:* Anthropology and Religious Studies have approved the use of their courses. *Financial impact:* None.

**Note:**

Additional courses not listed above may be petitioned for credit upon successful completion with the Chair of Latin American and Caribbean studies when the course contains significant content focused on Latin America, the Caribbean and/or Latinos in the US and elsewhere.
To satisfy the Study Abroad Requirement, a minimum of 6 hours must be taken in an approved study abroad program in Brazil. The Programs Abroad Office offers several opportunities in Brazil: https://studyabroad.utk.edu/.

Students are encouraged to consider completing the requirements for the minor in Portuguese.

*Rationale:* Lets students know they can petition courses for this program. *Impact on other units:* None. *Financial impact:* None.

**REVISE REQUIREMENTS**

**Latin American and Caribbean Studies Concentration – General Studies Track, BA (Interdisciplinary Programs Major)**

Add the following paragraph below name of chair:

The Latin American and Caribbean Studies program offers students a broad sampling of courses from numerous academic disciplines, which enables comprehensive and integrated study of Latin American and Caribbean histories, cultures, societies, politics and languages. The program also facilitates insight into the experiences of Latinos living in the US and elsewhere and prepares students to examine and critique economic, social, and political hierarchies. A major and minor are sponsored by the joint efforts of professors from such departments as Anthropology, Geography, History, Modern Foreign Languages and Literatures, Political Science, Religious Studies, and Sociology.

*Rationale:* Program chair believes an introductory paragraph is needed. *Impact on other units:* None. *Financial impact:* None.

**Major Requirements**

**Select 27 hours (at least 21 hours must be upper division):**

- HILA 255 – Early Latin American and Caribbean History
- HILA 256 – Modern Latin American and Caribbean History
- HILA 343 – History of Mexico
- HILA 344 – History of Brazil
- HILA 360 – History of Early Latin America
- HILA 361 – History of Modern Latin America
- HILA 464 – The Spanish Conquest
- HILA 465 – Gender and Sexuality in Early Latin America
- ~~HIST 255 – Introduction to Latin American and Caribbean Studies~~
- ~~HIST 256 – Introduction to Latin American and Caribbean Studies~~
- ~~HIST 343 – History of Mexico~~
- ~~HIST 344 – History of Brazil~~
- ~~HIST 360 – History of Early Latin America to 1824~~
- ~~HIST 361 – History of Modern Latin America since 1810~~
- ~~HIST 464 – The Spanish Conquest~~
- ~~HIST 465 – Gender and Sexuality in Early Latin America~~
- ~~HIST 475 – Studies in Latin American and Caribbean History~~
- LAC 383 – Studies in Latin American and Caribbean History
- LAC 450 – Slavery in the Early Americas

*Rationale:* History is dropping most of their courses and adding back with new codes. *Impact on other units:* None. *Financial impact:* None.

**Note:**

Additional courses not listed above may be petitioned for credit upon successful completion with the Chair of Latin American and Caribbean studies when the course contains significant content focused on Latin America, the Caribbean and/or Latinos in the US and elsewhere.

*Rationale:* Program chair feels note is needed for student information. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF MATHEMATICS**
**(MATH) Mathematics**

Mathematics Major, BS

1. The student will demonstrate knowledge of and computational skill in basic calculus and differential equations.

2. The student will be able to apply mathematics to solve basic real-world problems.
3. The student will demonstrate skill at solving relatively complex problems several steps of reasoning.
4. The student will demonstrate broad problem solving skills across a spectrum of subfields in mathematics.
5. The student will demonstrate mastery of basic logic and proof skills.

**REVISE REQUIREMENTS**

**Mathematics Major, BS**

**Major Requirements**
The major consists of 40 ~~37~~ hours in thirteen ~~twelve~~ courses divided into four categories: (1) core courses, (2) courses for breadth, (3) courses for depth, and (4) additional courses (to reach 40 ~~37~~ hours). Note: Courses used for depth (3) may also be used for breadth (2).

**4. Select additional courses to reach a total of 40 ~~37~~ hours:**

- any ~~300-~~400 level mathematics courses (except ~~MATH 300, MATH 307, MATH 309, MATH 399, MATH 403, MATH 405,~~ MATH 490, MATH 497, ~~and~~ MATH 498, and MATH 499)
- any mathematics graduate course numbered 510 or above
- ~~COSC 311 - Discrete Structures~~
- ~~COSC 312 - Algorithm Analysis and Automata~~

*Rationale:* This change will align the requirements for the Mathematics Major with the requirements for the new concentrations and this Mathematics Major will serve all the students who did not choose any of the proposed concentrations. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* Mathematics-BS 1, 2, 3, 4, 5. *Support from Assessment Activities:* Curriculum review.

(uTrack Showcase)
**Requirements for the Bachelor of Science, Mathematics Major**

| **Term 8** | | |
|---|---|---|
| Mathematics (major) | 9 ~~6~~ | Completion of at least 42 total upper-division (300-400 level) hours |
| [2]Connections | 3 | |
| [1]Electives | 3 ~~6~~ | |

**ADD**

**♦Mathematics Major, BS – Applied Mathematics Concentration**

**College Requirements**
**Arts and Sciences**
**Prerequisites**
**Select one course:**

- COSC 102 – Introduction to Computer Science
- MATH 171 – Computer Literacy for Mathematics

**Select one sequence:**

- MATH 141 – Calculus I *
- MATH 142 – Calculus II *

or

- MATH 147 – Honors: Calculus I *
- MATH 148 – Honorss: Calculus II *

**Concentration Requirements**
The concentration consists of 40 hours in thirteen courses divided into five categories: (1) core courses, (2) courses for breadth, (3) courses for applied breadth, (4) courses for depth, and (5) additional courses (to reach 40 hours).

**1. For the Core, complete all of the following (or honors equivalents):**

- MATH 231 – Differential Equations I
- MATH 241 – Calculus III
- MATH 251 – Matrix Algebra I
- MATH 300 – Introduction to Abstract Mathematics
- MATH 495 – Math Proficiency

**2. For Breadth, select one course from each category:**

**Algebra**

- MATH 351 – Algebra I
- MATH 455 – Abstract Algebra I
- MATH 456 – Abstract Algebra II
- MATH 457 – Honors: Abstract Algebra I
- MATH 458 – Honors: Abstract Algebra II

**Analysis**

- MATH 341 – Analysis I
- MATH 445 – Advanced Calculus I

- MATH 446 – Advanced Calculus II
- MATH 447 – Honors: Advanced Calculus I
- MATH 448 – Honors: Advanced Calculus II

**Numerical Analysis**

- COSC 370 – Introduction to Scientific Computing
- MATH 371 – Numerical Algorithms
- MATH 471 – Numerical Analysis
- MATH 472 – Numerical Algebra

**Probability and Statistics**

- MATH 323 – Probability and Statistics
- MATH 423 – Probability
- MATH 424 – Stochastic Processes
- MATH 425 – Statistics

**3. For Applied Breadth, select one course from each category:**

**(a)**

- MATH 435 – Partial Differential Equations
- MATH 453 – Matrix Algebra II

**(b)**

- MATH 405 – Models in Biology
- MATH 411 – Mathematical Modeling
- MATH 475 – Industrial Mathematics
- MATH 498 – Senior Honors Thesis

**(c)**

any 300-400 level course in an area outside of mathematics, or an additional foundational course, chosen in consultation with an advisor and approved by the Director of Undergraduate Studies.

**4. For Depth, select one of the following pairings:**

- MATH 423 – Probability
- MATH 424 – Stochastic Processes

or

- MATH 423 – Probability
- MATH 425 - Statistics

or

- MATH 471 – Numerical Analysis
- MATH 472 – Numerical Algebra

or

- MATH 471 – Numerical Analysis
- MATH 475 – Industrial Mathematics

or

- MATH 472 – Numerical Algebra
- MATH 475 – Industrial Mathematics

**5. Select additional courses to reach a total of 40 hours:**

- approved 300 or 400 level courses outside of mathematics
- 400 level math courses, chosen in consultation with an advisor
- any mathematics graduate course numbered 510 or above

(uTrack Showcase)

**Requirements for the Bachelor of Science, Mathematics Major – Applied Math Concentration**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | MATH 130 or higher (Note: students who place into MATH 119 should complete the course the summer prior to fall term) |
| Foreign Language (intermediate level)* | 3 | |
| MATH 141* or MATH 147* | 4 | |
| Natural Sciences Lab* | 4 | |
| [1]Elective | 1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | MATH 141* |
| MATH 142* or MATH 148* | 4 | |
| Natural Sciences Lab (continuation of sequence)* | 4 | |
| [1]Elective | 1 | |
| **Term 3** | | |
| MATH 231 | 3 | MATH 142* |
| MATH 241 or MATH 247 | 4 | |
| Non-U.S. History* | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 1 | |

| | | |
|---|---|---|
| **Term 4** | | |
| COSC 102 or MATH 171 | 3-4 | ENGL 102* |
| MATH 251 or MATH 257 | 3 | MATH 241 with a grade of C or better |
| MATH 300 or MATH 307 | 3 | |
| Non-U.S. History (continuation of sequence)* | 3 | |
| [1]Elective | 2-3 | |
| **Term 5** | | |
| Arts and Humanities (List A or B)* | 3 | COSC 102 or MATH 171 |
| Mathematics (major) | 6 | MATH 231 with a grade of C or better |
| [2]Connections | 6 | MATH 251 with a grade of C or better |
| **Term 6** | | |
| Arts and Humanities (List A)* | 3 | Completion of at least 9 upper-division (300-400 level) hours |
| Mathematics (major) | 6 | |
| Social Sciences* | 3 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Communicating Orally Elective* | 3 | Completion of at least 24 total upper-division (300-400 level) hours |
| Communicating through Writing Elective* | 3 | |
| Mathematics (major) | 6 | |
| [1]Elective | 3 | |
| **Term 8** | | |
| Mathematics (major) | 9 | Completion of at least 42 total upper-division (300-400 level) hours |
| [2]Connections | 3 | |
| [1]Electives | 3 | |
| **TOTAL (minimum)** | **120** | |
| [1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |
| [2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |

**♦Mathematics Major, BS – Math Biology Concentration**

**College Requirements**

**Arts and Sciences**

**Prerequisites**

**Select one course:**

- COSC 102 – Introduction to Computer Science
- MATH 171 – Computer Literacy for Mathematics

**Select one sequence:**

- MATH 141 – Calculus I *
- MATH 142 – Calculus II *

or

- MATH 147 – Honors: Calculus I *
- MATH 148 – Honors: Calculus II *

**Select two of the following courses:**

- BIOL 113 – Introductory Plant Biology I
- BIOL 114 – Introductory Plant Biology II
- BIOL 115 – Introductory Plant Biology Laboratory
- BIOL 150 – Organismal and Ecological Biology or BIOL 158 – Honors: Organismal and Ecological Biology
- BIOL 160 – Cellular and Molecular Biology or BIOL 168 – Honors: Cellular and Molecular Biology
- BIOL 159 – Skills of Biological Investigation or BIOL 167 – Honors: Skills of Biological Investigation
- BIOL 220 – General Microbiology
- BIOL 229 – General Microbiology Laboratory
- BIOL 240 – General Genetics
- BIOL 260 – Ecology
- BIOL 269 – Ecology Field-Based Laboratory
- BIOL 280 - Evolution

**Concentration Requirements**

The concentration consists of 37 hours in twelve courses divided into four categories: (1) core courses, (2) courses for breadth, (3) courses for depth, and (4) additional courses (to reach 37 hours).

**1. For the Core, complete all of the following (or honors equivalents):**

- MATH 231 – Differential Equations I

- MATH 241 – Calculus III
- MATH 251 – Matrix Algebra I
- MATH 300 – Introduction to Abstract Mathematics
- MATH 495 – Math Proficiency

**2. For Breadth, select one course from each category:**

**Algebra**

- MATH 351 – Algebra I
- MATH 455 – Abstract Algebra I
- MATH 456 – Abstract Algebra II
- MATH 457 – Honors: Abstract Algebra I
- MATH 458 – Honors: Abstract Algebra II

**Analysis**

- MATH 341 – Analysis I
- MATH 445 – Advanced Calculus I
- MATH 446 – Advanced Calculus II
- MATH 447 – Honors: Advanced Calculus I
- MATH 448 – Honors: Advanced Calculus II

**Numerical Analysis**

- COSC 370 – Introduction to Scientific Computing
- MATH 371 – Numerical Algorithms
- MATH 471 – Numerical Analysis
- MATH 472 – Numerical Algebra

**Probability and Statistics**

- MATH 323 – Probability and Statistics
- MATH 423 – Probability
- MATH 424 – Stochastic Processes
- MATH 425 – Statistics

**3. For Depth, select one of the following pairings:**

- MATH 411 – Mathematical Modeling
- MATH 405 – Models in Biology

or

- MATH 581 – Mathematical Ecology I
- MATH 582 – Mathematical Ecology II

**4. Select additional courses to reach a total of 37 hours:**

- MATH 423 – Probability
- MATH 424 – Stochastic Processes
- MATH 425 – Statistics
- MATH 431 – Differential Equations II
- MATH 435 – Partial Differential Equations
- MATH 445 – Advanced Calculus I
- MATH 446 – Advanced Calculus II
- MATH 447 – Honors: Advanced Calculus I
- MATH 448 – Honors: Advanced Calculus II
- MATH 453 – Matrix Algebra I
- MATH 471 – Numerical Analysis
- MATH 472 – Numerical Algebra
- MATH 581 – Mathematical Ecology I
- MATH 582 – Mathematical Ecology II
- MATH 583 – Mathematical Evolutionary Theory
- BCMB 311 – Advanced Cellular Biology
- BCMB 412 – Molecular Biology and Genomics
- BCMB 420 – Advanced Topics in Biochemistry and Cellular and Molecular Biology
- BCMB 422 – Computational Biology and Bioinformatics
- BCMB 440 – General Physiology
- EEB 404 – Ecosystem Ecology
- EEB 421 – Community Ecology
- EEB 461 – Special Topics in Organismal Biology
- EEB 484 – Conservation Biology
- LFSC 507 – Programming for Biological Data Analysis
- MICR 321 – Advanced Microbiology
- MICR 329 – Advanced Microbiology Laboratory
- MICR 330 – Immunology
- MICR 421 – Food Microbiology
- MICR 470 – Microbial Ecology
- WFS 340 – Wetlands Ecology and Management
- WFS 401 – Ecology and Management of Wildlife Health

- WFS 431 – Wildlife Physiology and Nutrition
- WFS 443 – Fisheries Science
- WFS 444 – Ecology and Management of Wild Mammals

(uTrack Showcase)

**Requirements for the Bachelor of Science, Mathematics Major – Math Biology Concentration**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | MATH 130 or higher (Note: students who place into MATH 119 should complete the course the summer prior to fall term) |
| Foreign Language (intermediate level)* | 3 | |
| MATH 141* or MATH 147* | 4 | |
| Natural Sciences Lab* | 4 | |
| [1]Elective | 1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | MATH 141* |
| MATH 142* or MATH 148* | 4 | |
| Natural Sciences Lab (continuation of sequence)* | 4 | |
| [1]Elective | 1 | |
| **Term 3** | | |
| MATH 231 | 3 | MATH 142* |
| MATH 241 or MATH 247 | 4 | |
| Non-U.S. History* | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 1 | |
| **Term 4** | | |
| COSC 102 or MATH 171 | 3-4 | ENGL 102* |
| MATH 251 or MATH 257 | 3 | MATH 241 with a grade of C or better |
| MATH 300 or MATH 307 | 3 | |
| Non-U.S. History (continuation of sequence)* | 3 | |
| [1]Elective | 2-3 | |
| **Term 5** | | |
| Arts and Humanities (List A or B)* | 3 | COSC 102 or MATH 171 |
| Mathematics (major) | 6 | MATH 231 with a grade of C or better |
| [2]Connections | 6 | MATH 251 with a grade of C or better |
| **Term 6** | | |
| Arts and Humanities (List A)* | 3 | Completion of at least 9 upper-division (300-400 level) hours |
| Mathematics (major) | 6 | |
| Social Sciences* | 3 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Communicating Orally Elective* | 3 | Completion of at least 24 total upper-division (300-400 level) hours |
| Communicating through Writing Elective* | 3 | |
| Mathematics (major) | 6 | |
| [1]Elective | 3 | |
| **Term 8** | | |
| Mathematics (major) | 9 | Completion of at least 42 total upper-division (300-400 level) hours |
| [2]Connections | 3 | |
| [1]Electives | 3 | |
| **TOTAL (minimum)** | **120** | |

[1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences.

[2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences.

**♦Mathematics Major, BS – Math Education Concentration**

**College Requirements**

**Arts and Sciences**

**Prerequisites**

**Select one course:**

- COSC 102 – Introduction to Computer Science
- MATH 171 – Computer Literacy for Mathematics

**Select one sequence:**

- MATH 141 – Calculus I *
- MATH 142 – Calculus II *

or

- MATH 147 – Honors: Calculus I *
- MATH 148 – Honors: Calculus II *

**Concentration Requirements**

The concentration consists of 40 hours in thirteen courses divided into five categories: (1) core courses, (2) courses for breadth, (3) courses for education breadth, (4) courses for depth, and (5) additional courses (to reach 40 hours).

**1. For the Core, complete all of the following (or honors equivalents):**

- MATH 231 – Differential Equations I
- MATH 241 – Calculus III
- MATH 251 – Matric Algebra I
- MATH 300 – Introduction to Abstract Mathematics
- MATH 495 – Math Proficiency

**2. For Breadth, select one course from each category:**

**Algebra**

- MATH 351 – Algebra I
- MATH 455 – Abstract Algebra I
- MATH 456 – Abstract Algebra II
- MATH 457 – Honors: Abstract Algebra I
- MATH 458 – Honors: Abstract Algebra II

**Analysis**

- MATH 341 – Analysis I
- MATH 445 – Advanced Calculus I
- MATH 446 – Advanced Calculus II
- MATH 447 – Honors: Advanced Calculus I
- MATH 448 – Honors: Advanced Calculus II

**Numerical Analysis**

- COSC 370 – Introduction to Scientific Computing
- MATH 371 – Numerical Algorithms
- MATH 471 – Numerical Analysis
- MATH 472 – Numerical Algebra

**Probability and Statistics**

- MATH 323 – Probability and Statistics
- MATH 423 – Probability
- MATH 424 – Stochastic Processes
- MATH 425 – Statistics

**3. For Education Breadth, select one course:**

- EDPY 401 – Professional Studies: Applied Educational Psychology
- INPG 385 – VolsTeach: Research Methods in Science
- TPTE 355 – Introduction to Secondary Schools

**4. For Depth, select one of the following pairings:**

- MATH 400 – History of Mathematics
- MATH 460 - Geometry

or

- MATH 460 – Geometry
- INPG 353 – VolsTeach: Perspectives on Math and Science

**5. Select additional courses to reach a total of 40 hours:**

- Any 400-level MATH courses, except for 497, 498 and 499 (If INPG 353 is used to satisfy the Depth requirement, MATH 400 may not be used to satisfy this requirement)
- Any mathematics graduate course numbered 510 or above

(uTrack Showcase)

**Requirements for the Bachelor of Science, Mathematics Major – Math Education Concentration**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | MATH 130 or higher (Note: students who place into MATH 119 should complete the course the summer prior to fall term) |
| Foreign Language (intermediate level)* | 3 | |
| MATH 141* or MATH 147* | 4 | |
| Natural Sciences Lab* | 4 | |
| [1]Elective | 1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |

| | | |
|---|---|---|
| Foreign Language (intermediate level)* | 3 | MATH 141* |
| MATH 142* or MATH 148* | 4 | |
| Natural Sciences Lab (continuation of sequence)* | 4 | |
| [1]Elective | 1 | |
| **Term 3** | | |
| MATH 231 | 3 | MATH 142* |
| MATH 241 or MATH 247 | 4 | |
| Non-U.S. History* | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 1 | |
| **Term 4** | | |
| COSC 102 or MATH 171 | 3-4 | ENGL 102* |
| MATH 251 or MATH 257 | 3 | MATH 241 with a grade of C or better |
| MATH 300 or MATH 307 | 3 | |
| Non-U.S. History (continuation of sequence)* | 3 | |
| [1]Elective | 2-3 | |
| **Term 5** | | |
| Arts and Humanities (List A or B)* | 3 | COSC 102 or MATH 171 |
| Mathematics (major) | 6 | MATH 231 with a grade of C or better |
| [2]Connections | 6 | MATH 251 with a grade of C or better |
| **Term 6** | | |
| Arts and Humanities (List A)* | 3 | Completion of at least 9 upper-division (300-400 level) hours |
| Mathematics (major) | 6 | |
| Social Sciences* | 3 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Communicating Orally Elective* | 3 | Completion of at least 24 total upper-division (300-400 level) hours |
| Communicating through Writing Elective* | 3 | |
| Mathematics (major) | 6 | |
| [1]Elective | 3 | |
| **Term 8** | | |
| Mathematics (major) | 9 | Completion of at least 42 total upper-division (300-400 level) hours |
| [2]Connections | 3 | |
| [1]Electives | 3 | |
| **TOTAL (minimum)** | **120** | |

[1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences.

[2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences.

**♦Mathematics Major, BS – Theoretical Math Concentration**

**College Requirements**

**Arts and Sciences**

**Prerequisites**

**Select one course:**

- COSC 102 – Introduction to Computer Science
- MATH 171 – Computer Literacy for Mathematics

**Select one sequence:**

- MATH 141 – Calculus I *
- MATH 142 – Calculus II *

or

- MATH 147 – Honors: Calculus I *
- MATH 148 – Honors: Calculus II *

**Concentration Requirements**

The concentration consists of 40 hours in thirteen courses divided into five categories: (1) core courses, (2) courses for breadth, (3) courses for Theoretical breadth, (4) courses for depth, and (5) additional courses (to reach 40 hours).

Note: Courses used for depth (4) may also be used for Theoretical breadth (3).

**1. For the Core, complete all of the following (or honors equivalents):**

- MATH 231 – Differential Equations I
- MATH 241 – Calculus III
- MATH 251 – Matrix Algebra I

- MATH 300 – Introduction to Abstract Mathematics
- MATH 495 – Math Proficiency

**2. For Breadth, select one course from each category:**

**Algebra**
- MATH 351 – Algebra I
- MATH 455 – Abstract Algebra I
- MATH 456 – Abstract Algebra II
- MATH 457 – Honors: Abstract Algebra I
- MATH 458 – Honors: Abstract Algebra II

**Analysis**
- MATH 341 – Analysis I
- MATH 445 – Advanced Calculus I
- MATH 446 – Advanced Calculus II
- MATH 447 – Honors: Advanced Calculus I
- MATH 448 – Honors: Advanced Calculus II

**Numerical Analysis**
- COSC 370 – Introduction to Scientific Computing
- MATH 371 – Numerical Algorithms
- MATH 471 – Numerical Analysis
- MATH 472 – Numerical Algebra

**Probability and Statistics**
- MATH 323 – Probability and Statistics
- MATH 423 – Probability
- MATH 424 – Stochastic Processes
- MATH 425 – Statistics

**3. For Theoretical Breadth, complete all of the following (or honors equivalents):**
- MATH 445 – Advanced Calculus I
- MATH 455 – Abstract Algebra I
- MATH 467 – Honors: Topology

**4. For Depth, select one of the following pairings:**
- MATH 445 – Advanced Calculus I
- MATH 446 – Advanced Calculus II

or
- MATH 447 – Honors: Advanced Calculus I
- MATH 448 – Honors: Advanced Calculus II

or
- MATH 443 – Complex Variables
- MATH 445 – Advanced Calculus I

or
- MATH 455 – Abstract Algebra I
- MATH 456 – Abstract Algebra II

or
- MATH 457 – Honors: Abstract Algebra I
- MATH 458 – Honors: Abstract Algebra II

or
- MATH 462 – Differential Geometry
- MATH 467 – Honors: Topology

or
- Complete a 500-level graduate sequence in Analysis, Algebra or Topology

**5. Select additional courses to reach a total of 40 hours:**
- MATH 421 – Combinatorics
- MATH 423 – Probability
- MATH 424 – Stochastic Processes
- MATH 425 – Statistics
- MATH 431 – Differential Equations II
- MATH 435 – Partial Differential Equations
- MATH 443 – Complex Variables
- MATH 446 – Advanced Calculus II
- MATH 448 – Honors: Advanced Calculus II
- MATH 453 – Matrix Algebra II
- MATH 456 – Abstract Algebra II
- MATH 458 – Honors: Abstract Algebra II
- MATH 462 – Differential Geometry
- Graduate courses in Algebra, Analysis, Geometry, Topology, Probability or Differential Equations

(uTrack Showcase)

**Requirements for the Bachelor of Science, Mathematics Major – Theoretical Math Concentration**

| Term 1 | Hours | Milestone Notes |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | MATH 130 or higher (Note: students who place into MATH 119 should complete the course the summer prior to fall term) |
| Foreign Language (intermediate level)* | 3 | |
| MATH 141* or MATH 147* | 4 | |
| Natural Sciences Lab* | 4 | |
| [1]Elective | 1 | |
| **Term 2** | | |
| ENGL 102 (or equivalent)* | 3 | ENGL 101* |
| Foreign Language (intermediate level)* | 3 | MATH 141* |
| MATH 142* or MATH 148* | 4 | |
| Natural Sciences Lab (continuation of sequence)* | 4 | |
| [1]Elective | 1 | |
| **Term 3** | | |
| MATH 231 | 3 | MATH 142* |
| MATH 241 or MATH 247 | 4 | |
| Non-U.S. History* | 3 | |
| Social Sciences* | 3 | |
| [1]Elective | 1 | |
| **Term 4** | | |
| COSC 102 or MATH 171 | 3-4 | ENGL 102* |
| MATH 251 or MATH 257 | 3 | MATH 241 with a grade of C or better |
| MATH 300 or MATH 307 | 3 | |
| Non-U.S. History (continuation of sequence)* | 3 | |
| [1]Elective | 2-3 | |
| **Term 5** | | |
| Arts and Humanities (List A or B)* | 3 | COSC 102 or MATH 171 |
| Mathematics (major) | 6 | MATH 231 with a grade of C or better |
| [2]Connections | 6 | MATH 251 with a grade of C or better |
| **Term 6** | | |
| Arts and Humanities (List A)* | 3 | Completion of at least 9 upper-division (300-400 level) hours |
| Mathematics (major) | 6 | |
| Social Sciences* | 3 | |
| Global Challenges | 3 | |
| **Term 7** | | |
| Communicating Orally Elective* | 3 | Completion of at least 24 total upper-division (300-400 level) hours |
| Communicating through Writing Elective* | 3 | |
| Mathematics (major) | 6 | |
| [1]Elective | 3 | |
| **Term 8** | | |
| Mathematics (major) | 9 | Completion of at least 42 total upper-division (300-400 level) hours |
| [2]Connections | 3 | |
| [1]Electives | 3 | |
| **TOTAL (minimum)** | **120** | |
| [1]All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |
| [2]The Connections requirement may be satisfied in one of three ways: (1) by completing 9 hours from one of the approved Connections packages, (2) by completing the requirements for a second major or minor, or (3) by completing 9 hours of study abroad coursework. All students must complete at least 42 upper-division (300-400 level) hours in order to receive a degree from the College of Arts & Sciences. | | |

*Rationale:* Concentrations explicitly listed in the catalog provide focus for advisors and students. All of these curricula could be done without explicit concentrations, but that would require a special advisor who could tell the student what he/she needs to take each semester. *Impact on other units:* No impact. *Financial impact:* No impact.
*Program Learning Outcomes:* Mathematics-BS 1, 2, 3, 4, 5. *Support from Assessment Activities:* Curriculum review.

**DEPARTMENT OF MODERN FOREIGN LANGUAGES AND LITERATURES**

Modern Foreign Languages & Literatures BA

1. The MFLL major will understand and interpret written language on a variety of subjects in the target language.
2. The MFLL major will understand and interpret spoken language on a variety of subjects in the target language.
3. The MFLL major will be able to write analyses of a variety of subjects in the target language.

4. Students will use the target language outside the classroom to accomplish a variety of tasks (communicate with native speakers, solve problems, translate authentic text, etc).

(There are no PLOs for the Language and World Business programs yet.)

**(ARAB) Arabic**

**ADD**

**ARAB 490 – Internship (1-15)**
Career-related experiences in the United States or abroad.
*Repeatability: May be repeated. Maximum 15 hours.*
*Registration Restriction(s): Arabic Major/Language and World Business concentration*

**ARAB 491 – Arabic Foreign Study (1-15)**
*Repeatability: May be repeated. Maximum 15 hours.*

**ARAB 493 – Independent Study (1-15)**
*Repeatability: May be repeated. Maximum 15 hours.*
*Registration Permission: Consent of Instructor.*

*Rationale:* Adding these courses will allow students to complete an internship, foreign study, or independent study in Arabic. Impact on other units: No impact. *Financial impact:* No impact.
*Program Learning Outcomes:* None. *Support from Assessment Activities:* Maintenance additions to match other concentrations

**ADD**

**♦Modern Foreign Languages and Literatures Major, BA – Language and World Business/Arabic Concentration**

**College Requirements**
**Arts and Sciences**
**I. Language Requirement: Arabic - 26 hours**
**A. Complete:**
- ARAB 221 – Intermediate Standard Arabic I
- ARAB 222 – Intermediate Standard Arabic II
- ARAB 331 – Advanced Arabic Composition and Grammar
- ARAB 332 – Formal Spoken Arabic

**B. Select 12 hours:**
- ARAB 431 – Media Arabic
- ARAB 432 – Arabic Literature
- ARAB 493 – Independent Study
- HIEU 395 – The Crusades and Medieval-Christian Muslim Relations
- HIME 369 – History of the Middle East and the Islamic World, ca. 1050-1500
- HIME 370 – Modern Middle East
- POLS 463 – Contemporary Middle Eastern Politics
- REST 332 – Introduction to Islam
- REST 336 – Literatures of Islam

**II. Practical Experience - 3 hours**
**Select 3 hours from:**
- ARAB 490 – Internship
- ARAB 491 – Foreign Study

**Note:**
Students undertaking an internship are required to purchase professional liability insurance coverage before beginning service.
**III. Professional Emphasis (select one)**
**A. International Business – 25 hours**
- ACCT 200 - Foundations of Accounting
- ECON 201 - Introductory Economics: A Survey Course*
- ECON 322 - The Global Economy: Trade and Development
- FINC 300 - Fundamentals of Finance
- MARK 300 - Marketing and Supply Chain Management
- MGT 201 - Introduction to Business Management
- MGT 472 - Managing People in the Global Environment
- STAT 201 - Introduction to Statistics*

**B. International Retail Merchandising – 25 hours**
- ACCT 200 - Foundations of Accounting
- MARK 300 - Marketing and Supply Chain Management
- MGT 201 - Introduction to Business Management
- RCS 210 - Introduction to Retail Management

- RCS 310 - Retail Buying and Merchandising
- RCS 421 - International Retailing
  and 6 additional hours from:
- RCS 410 - Strategic Retail Planning
- RCS 411 - Entrepreneurship and Small Business Management
- RCS 412 - e-Retailing
- RCS 493 - Directed Study

**C. International Agricultural Economics – 24 hours**

- ACCT 200 - Foundations of Accounting
- AREC 342 - Farm Business Management
- AREC 350 - The Food and Agricultural Marketing System
- AREC 420 - International Agricultural Trade and Marketing
- AREC 430 - Food and Agricultural Policy
- MGT 201 - Introduction to Business Management
  and 3 additional hours from:
- FINC 300 - Fundamentals of Finance
- MARK 300 - Marketing and Supply Chain Management
- MGT 300 - Organizational Management
- MGT 472 - Managing People in the Global Environment

*Rationale:* Student interest in business in the Middle East is growing as the region becomes increasingly important for trade and commerce. This degree will give students competency in both business practices and in the language, culture, and history of the region. *Impact on other units:* None. *Financial impact:* None.

**(CHIN) CHINESE**

**REVISE REQUIREMENTS**

**Modern Foreign Languages and Literatures Major, BA – Language and World Business/Chinese Concentration**

**I. Language Requirement: Chinese – 27 hours**

**B. Select 9 hours**

- CHIN 432 – Advanced Reading and Composition
- CHIN 471 – Introduction to Chinese Linguistics
- HIAS 389 – Pre-Modern Chinese History
- HIAS 390 – Modern Chinese History
- HIAS 391 – Modern Chinese Intellectual History
- HIAS 484 – Studies in Asian History
- ~~HIST 389 – History of China~~
- ~~HIST 390 – History of China~~
- ~~HIST 391 – Modern Chinese Intellectual History~~
- ~~HIST 476 – Studies in East Asian History~~

*Rationale:* History is dropping courses and adding back under different codes. The Chinese courses were new courses added to the 2015-16 catalog and are appropriate courses for this program. *Impact on other units:* None. *Financial impact:* None.

**(ITAL) ITALIAN**

**REVISE REQUIREMENTS**

**Modern Foreign Languages and Literatures Major, BA – Italian Concentration**

The Italian major consists of 30 hours in courses numbered 211 and above.

**Complete ~~Prerequisites~~:**

- ITAL 211- Intermediate Italian / Culture
- ITAL 212 - Intermediate Italian / Culture

**Major Requirements**

**Select 24 ~~30~~ hours:**

- ITAL 405 - Topics in Italian Culture, History, and Literature
- ITAL 406 – Italian History through Art
- ITAL 442- Special Topics in Italian Culture

**Only one of the following may count toward the 24 hours:**

- ARTH 451 - The Art of Italy, 1250-1450
- ARTH 452 - Art of Italy, 1450-1575
- HIEU –320 Contemporary Europe (from industrial to post-industrial)

(uTrack Showcase)

**Requirements for Modern Foreign Languages and Literatures Major – Italian Concentration**

| **Term 8** | | |
|---|---|---|
| Italian (major) | 3 ~~9~~ | Completion of at least 42 total upper-division (300-400) hours |
| [1]Electives | 12 ~~6~~ | |

**Modern Foreign Languages and Literatures Major, BA – Language and World Business/Italian Concentration**

**I. Language Requirement: Italian – 24 hours**

**A. Complete:**

- ITAL 211- Intermediate Italian / Culture
- ITAL 212 - Intermediate Italian / Culture
- ~~ITAL 314 - Highlights of Italian Civilization~~
- ~~ITAL 341 - Intermediate Grammar, Composition and Conversation~~
- ~~ITAL 342 - Intermediate Grammar, Composition and Conversation~~
- ~~ITAL 401 - Dante and Medieval Culture~~

**B. Select 18 hours:**

- ITAL 314 - Highlights of Italian Civilization
- ITAL 315-Italian History through Song
- ITAL 341 - Intermediate Grammar, Composition and Conversation
- ITAL 342 - Intermediate Grammar, Composition and Conversation
- ITAL 401 - Dante and Medieval Culture
- ITAL 405 - Topics in Italian Culture, History, and Literature
- ITAL 406 – Italian History through Art
- ITAL 442- Special Topics in Italian Culture

**Only one course from the following may be included in the 18 hours:**

- ARTH 451 - The Art of Italy, 1250-1450
- ARTH 452 - Art of Italy, 1450-1575
- HIEU –320 Contemporary Europe

**Italian Minor**

**Minor Requirements**

The Italian minor consists of 18 hours ~~in courses numbered 211 and above~~. ~~Students pursuing a minor must consult with a departmental advisor.~~

**Complete:**

- ITAL 211- Intermediate Italian / Culture
- ITAL 212 - Intermediate Italian / Culture

**Select 12 ~~18~~ hours:**

- ITAL 314 - Highlights of Italian Civilization
- ITAL 315-Italian History through Song
- ITAL 341 - Intermediate Grammar, Composition and Conversation
- ITAL 342 - Intermediate Grammar, Composition and Conversation
- ITAL 401 - Dante and Medieval Culture
- ITAL 402 - Petrarch and Boccaccio
- ITAL 403 - Literature of the Rinascimento
- ITAL 405 - Topics in Italian Culture, History, and Literature
- ITAL 406 – Italian History through Art
- ITAL 409 - Directed Readings
- ITAL 411 - Aspects of Modern Literature and Culture
- ITAL 412 - Advanced Literary Reading and Conversation
- ITAL 414 - Italian Cultural Studies
- ITAL 422 - Topics in Italian Cinema
- ITAL 442- Special Topics in Italian Culture
- ITAL 491 - Foreign Study
- ITAL 493 - Independent Study

~~any Italian courses numbered 311 and above~~

**Only one of the following may count toward the 12 hours:**

- ARTH 451 - The Art of Italy, 1250-1450
- ARTH 452 - Art of Italy, 1450-1575
- HIEU –320 Contemporary Europe (from industrial to post-industrial)

*Rationale:* These program changes are to encourage more students to take the Italian majors or minor and to offer more variety in their coursework. *Impact on other units:* History and Art History have agreed to have their courses added. *Financial impact:* None.

**(RUSS) Russian**

**REVISE DESCRIPTION, ADD (RE) PREREQUISITE(S)**

**RUSS 321 - Anton Checkhov: Russia's Bridge to the 20th Century (3)**
Explores the pivotal role in world literature of Anton Chekhov, Russia's master of the short story and history's second-most influential dramatist after Shakespeare. Examines the difference between the early "light" stories and the mature works as a sign of the author's intuitive awareness of changes taking place in the Russian empire at the turn of the 20th century. Taught in English. MFLL-Russian Studies majors will do some readings in Russian. Writing-emphasis course.
*(RE) Prerequisite(s): English 102.*

*Formerly: RUSS 321 - Anton Checkhov: Russia's Bridge to the 20th Century (3)*
*Explores the pivotal role in world literature of Anton Chekhov, Russia's master of the short story and history's second-most influential dramatist after Shakespeare. Examines the difference between the early "light" stories and the mature works as a sign of the author's intuitive awareness of changes taking place in the Russian empire at the turn of the 20th century. Taught in English. Writing-emphasis course.*

**ADD**

**RUSS 323 - Russian through Theatrical Performance (3)**
Students will participate in a Russian-language production of an authentic play. Lines will be memorized in Russian and performed before a public audience at the end of the semester. By memorizing Russian syntactical structures found in the play, students will significantly advance their language proficiency.
*(RE) Prerequisite: 102 or permission of the instructor.*

*Rationale:* Answers student demand and high need for more oral proficiency content within the major. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* MFLL-BA 2, 4. *Support from Assessment Activities:* Informal assessments of student oral practice.

**RUSS 421 - Philosophy Through Art: Leo Tolstoy's Explanations of Life's Meaning (3)**
Explores the major novels and stories of Leo Tolstoy, and through them examines the great writer's struggles to identify the purpose of life. Includes readings from the philosophical figures that most interested Tolstoy. Discussion will focus on how Tolstoy follows the inner course of a human life, revealing individuals' struggles with the meaning of existence. MFLL-Russian Studies majors will do some readings in Russian. Writing-emphasis course.
*(RE) Prerequisite: English 102*

*Rationale:* Part of an ongoing revision of the Russian Studies curriculum. Replaces dropped course Russian 452 in the catalog.
*Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* MFLL-BA 3. *Support from Assessment Activities:* None.

**DROP**

**RUSS 452 – Senior Seminar (3)**

*Rationale:* Part of an ongoing revision of the Russian Studies curriculum. *Impact on other units:* None. *Financial impact:* None.

**REVISE REQUIREMENTS**

**Modern Foreign Languages and Literatures Major, BA – Russian Studies Concentration**

**Major Requirements**

**Select 3 hours:**
- ~~RUSS 452 - Senior Seminar~~

**Select 15 hours:**
- HIEU 341 – History of Modern Russia
- ~~HIST 341 – History of Russia~~
- RUSS 321 – Anton Chekhov: Russia's Bridge to the 20th Century
- RUSS 322 – Dostoevsky, Terror, and Pan-Slavic Utopia
- RUSS 323 – Russian Through Theatrical Performance
- RUSS 421 – Philosophy Through Art: Leo Tolstoy's Explanations of Life's Meaning
- ~~RUSS 452 - Senior Seminar~~

**Russian Literature in Translation Minor**

**Minor Requirements:**

**Select 18 hours:**
- RUSS 323 – Russian Through Theatrical Performance
- RUSS 421 – Philosophy Through Art: Leo Tolstoy's Explanations of Life's Meaning
- ~~RUSS 426 – Methods of Historical Linguistics~~

**Russian Studies Minor**

**Minor Requirements**

**Complete:**

- ~~RUSS 401 – Advanced Grammar, Conversation, and Composition~~
- ~~RUSS 402 – Advanced Grammar, Conversation, and Composition~~

**Select 12 ~~6~~ hours:**

**Modern Foreign Languages and Literatures Major, BA – Language and World Business/Russian Studies Concentration**

**A. Complete:**

- ~~RUSS 452 - Senior Seminar~~

*Rationale:* These Russian revisions are to clean up the major and minor, deleting courses that should not be included, adding new courses or courses that should have been included but were not, changing the history codes, and revising the minor to better match standards at peer institutions. *Impact on other units:* None. *Financial impact:* None.

**SCHOOL OF MUSIC**

Music Major, BA

1. Create an effective music presentation by integrating comprehensive capabilities, and by demonstrating general knowledge of literature and/or key concepts, in the concentration.
2. Demonstrate a general working knowledge, as appropriate to their concentration, of aural and visual analysis and knowledge of musicology and repertoire.
3. Demonstrate the ability to communicate clearly and effectively about the art of music.

**(MUTC) Music Technology**

**ADD**

**MUTC 320 – Scoring for Film and Media (3)**
Development of basic musical and technological skills required to compose music for use with visual media. Projects may include a theme for a television program, an introductory theme for a film, music for a pre-existing action scene, music for a pre-existing commercial, and music for a short film or animation. Also includes an overview of masterpieces of media scoring.
*(RE) Prerequisite(s): 340, and Music Performance 295, and Music Theory 120 and 140.*

**MUTC 330 – Virtual Audio Modeling (3)**
Development of the basic musical and technological skills required to create models or "mock-ups" of concert music scores via DAW (Digital Audio Workstation) and sample library technology. Projects will include models of students' own works as well as those of chamber and large form masterworks from the canon.
*(RE) Prerequisites: 340, and Music Performance 295, and Music Theory 120 and 140.*

*Rationale:* These courses are needed to give students a working knowledge of the skills studied. *Impact on other units:* None.
*Financial impact:* None.
*Program Learning Outcomes:* N/A. *Support from Assessment Activities:* None.

**REVISE REQUIREMENTS**

**Music Major, BA – Music and Culture Concentration**

**III. Required Courses**

**Select 2 hours:** (third set of Select 2)

- MUJZ 140 – Jazz Piano II
- MUJZ 220 – Jazz Improvisation II
- MUKB 120 – Class Piano II
- MUKB 210 – Class Piano III

*Rationale:* The intent of the current requirement is for students to participate in additional performance experience beyond that of courses in applied lessons and ensembles. This change would allow students to continue in performance areas they have started without the necessity of filling out petitions. *Impact on other units:* None. *Financial impact:* None.

**Music Major, BM – Strings Concentration**

(Major page)
**Requirements of the Bachelor of Music, Music Major – Strings Concentration**

| **First Year** | Hours Credit |
|---|---|
| ENGL 101*, ENGL 102* | 6 |
| MUTH 110, MUTH 120 | 6 |
| MUTH 130, MUTH 140 | 2 |

| | |
|---|---|
| MUCO 110* | 3 |
| Music Performance (100-level) (3,3) | 6 |
| MUKB 110, MUKB 120 | 2 |
| MUEN 370 (1, 1) | 2 |
| MUSC 200 (0, 0) | 9 |
| [1]Natural Sciences Elective* | 7 |
| **Second Year** | |
| MUTH 210, MUTH 220 | 6 |
| MUTH 230, MUTH 240 | 2 |
| MUCO 210*, MUCO 220* | 6 |
| MUKB 210, MUKB 220 | 2 |
| Music Performance (200-level) (3, 3) | 6 |
| MUEN 370 (1, 1) | 2 |
| MUSC 200 (0, 0) | 0 |
| MUEN 315 (1, 1) | 2 |
| [1]Cultures and Civilizations Electives* | 6 |
| **Third Year** | |
| MUTH 310 | 3 |
| MUTH 320 | 2 |
| MUCO 380* | 3 |
| Music Performance (300-level) (3, 3) | 6 |
| MUEN 370 (1, 1) | 2 |
| MUED 310 | 3 |
| [1]Social Sciences Elective* | 6 |
| [1]Communicating Orally Elective* | 3 |
| MUSC 200 (0, 0) | 0 |
| MUSC 301 | 0 |
| MUEN 315 (1, 1) | 2 |
| **Fourth Year** | |
| Music Performance (400-level) (3, 3) | 6 |
| MUIN 340, MUIN 350 | 6 |
| MUEN 370 (1, 1) | 2 |
| [1]Quantitative Reasoning Elective* | 6 |
| MUSC 200 (0, 0) | 0 |
| MUSC 401 | 0 |
| [1]Natural Sciences Elective* | 3 |
| MUEN 315 (1, 1) | 2 |
| Electives | 2 ~~8~~ |
| | **Total 120** |

**Music Major, BM – Strings Concentration**

| **Term 1** | **Hours** | **Milestone Notes** |
|---|---|---|
| ENGL 101 (or equivalent)* | 3 | MUEN 370 (1st time) |
| MUEN 370 | 1 | MUSC 200 (1st time) |
| MUKB 110 | 1 | |
| MUSC 200 | 0 | |
| MUTH 110 | 3 | |
| MUTH 130 | 1 | |
| Music Performance (100-level) | 3 | |
| Natural Sciences Electives* | 4 | |
| **Term 2** | | |
| ENGL 102* | 3 | ENGL 101* |
| MUCO 110* | 3 | MUCO 110* |
| MUEN 370 | 1 | MUEN 370 (2nd time) |
| MUKB 120 | 1 | MUSC 200 (2nd time) |
| MUSC 200 | 0 | One MUPF course |
| MUTH 120 | 3 | |
| MUTH 140 | 1 | |
| Music Performance (100-level) | 3 | |
| **Term 3** | | |
| Cultures and Civilizations Elective* | 3 | MUEN 370 (3rd time) |
| MUCO 210* | 3 | MUSC 200 (3rd time) |
| MUEN 315 | 1 | |
| MUEN 370 | 1 | MUTH 110 |

| | | |
|---|---|---|
| MUKB 210 | 1 | MUTH 130 |
| MUSC 200 | 0 | |
| MUTH 210 | 3 | |
| MUTH 230 | 1 | |
| Music Performance (200-level) | 3 | |
| **Term 4** | | |
| Cultures and Civilizations Elective* | 3 | ENGL 102* |
| MUCO 220* | 3 | MUEN 370 (4th time) |
| MUEN 315 | 1 | |
| MUEN 370 | 1 | MUSC 200 (4th time) |
| MUKB 220 | 1 | One course from MUCO 210* or MUCO 220* |
| MUSC 200 | 0 | Second MUPF course |
| MUTH 220 | 3 | |
| MUTH 240 | 1 | |
| Music Performance (200-level) | 3 | |
| **Term 5** | | |
| MUCO 380* | 3 | MUEN 370 (5th time) |
| MUEN 315 | 1 | |
| MUEN 370 | 1 | MUSC 200 (5th time) |
| MUSC 200 | 0 | MUTH 120 |
| MUTH 310 | 3 | MUTH 140 |
| Music Performance (300-level) | 3 | Third MUPF course |
| Social Sciences Elective* | 3 | One remaining course from MUCO 210* or MUCO 220* |
| **Term 6** | | |
| Communicating Orally Elective* | 3 | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| MUEN 315 | 1 | |
| MUED 310 | 3 | |
| MUEN 370 | 1 | |
| MUSC 200 | 0 | |
| MUSC 301 | 0 | |
| MUTH 320 | 2 | |
| Music Performance (300-level) | 3 | |
| Social Sciences Elective* | 3 | |
| **Term 7** | | |
| MUEN 370 | 1 | Completion of at least 24 upper-division (300-400 level) hours ~~No milestones~~ |
| MUEN 315 | 1 | |
| MUIN 340 | 3 | |
| MUSC 200 | 0 | |
| Music Performance (400-level) | 3 | |
| Natural Sciences Elective* | 3 | |
| Quantitative Reasoning Elective* | 3 | |
| ~~Elective~~ | ~~3~~ | |
| **Term 8** | | |
| MUEN 370 | 1 | Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |
| MUEN 315 | 1 | |
| MUIN 350 | 3 | |
| MUSC 200 | 0 | |
| MUSC 401 | 0 | |
| Music Performance (400-level) | 3 | |
| Quantitative Reasoning Elective* | 3 | |
| Electives | 2 ~~5~~ | |

*Rationale:* These changes support the need for Music Performance majors to perform regularly in ensembles to develop fully as musicians. *Impact on other units:* None. *Financial impact:* None.

**Music Minor – Applied Music**

**Required Courses**

**Select 7 hours (music electives):** add note to second line:
Any Music Ensemble courses 200-499[1]

[1]Strings Music minors must register for four semesters of MUEN 370 – Orchestra and two semesters of MUSC 200 – Solo Class.

*Rationale:* Reflects the need for large and small ensemble participation to develop fully as a musician. *Impact on other units:* None. *Financial impact:* None.

**[Not in catalog, but need to go through councils]**
On page: http://admissions.utk.edu/apply/freshmen/apclep/
**Revise AP credits for music theory**

**From:**

| *Test* | *Score* | *Credit Given* |
|---|---|---|
| Music | 4 or 5 | Music Theory 110 |

**To:**

| *Test* | *Score* | *Credit Given* |
|---|---|---|
| Music Theory AP test – Written Subscore | 4 | MUTH 110 |
| Music Theory AP test – Aural Subscore | 4 | MUTH 130 |
| Music Theory AP test – Written Subscore | 5 | MUTH 110, 120 |
| Music Theory AP test – Aural Subscore | 5 | MUTH 130, 140 |

**DEPARTMENT OF PHYSICS AND ASTRONOMY**
**(PHYS) Physics**

Physics Major, BS
1. All physics majors will demonstrate specific physics knowledge in classical mechanics, thermodynamics, electromagnetism, optics, electronic circuits, modern physics, and special relativity.
2. All physics majors will have a research experience.
3. All physics majors will be able to synthesize and apply appropriate concepts and methods from different areas of physics to selected problems in current research in physics.

**REVISE REQUIREMENTS**

**Physics Major, BS – General Concentration**

**General Concentration (12 hours)**
**Select 12 hours:**
300-400 level physics or 200-400 level astronomy courses
**or**
Coordinated coursework at the 300 or 400 level in an area of the student's special interest to be chosen by the student in consultation with a departmental advisor
**or**
Any minor or second major.

*Rationale:* This makes the department's curriculum consistent with college-wide requirements. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF POLITICAL SCIENCE**
**(POLS) Political Science**

Political Science Major, BA
1. Students will demonstrate basic knowledge of, understanding of and the ability to apply political science principles.
2. Students will demonstrate a heightened awareness of political problems, and a greater understanding of the relevance of political science concepts to the real world, through participating in both intra- and extramural activities.
3. Students will develop basic research skills including the ability to develop a research question; formulate one or more testable research hypotheses; construct a research design; and carry through a research project to completion.

**ADD**

**POLS 215 – Tennessee Government and Politics (3)**
Major elements in Tennessee government and politics.

*Rationale:* This course is in the catalog now as 315, but the department has decided that it should be a 200-level course. This will give students an American Politics option at the 200-level within the major. *Impact on other units:* None. *Financial impact:* None. *Program Learning Outcomes:* Political Science-BA 2. *Support from Assessment Activities:* Curriculum Review.

**POLS 301 – Research Methods (3)**
Research design, data collection, and statistical techniques used in political science.

*Rationale:* This course is currently numbered 201 but the department believes it belongs at the 300-level. Students need to get a better sense of the discipline of political science by completing several 100 and 200-level courses before taking a course on research methods. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* Political Science-BA 3. *Support from Assessment Activities:* Curriculum Review.

**DROP**

**POLS 201 – Research Methods (3)**
**POLS 315 – Tennessee Government and Politics (3)**

*Rationale:* 201 is being changed to 300 level and 315 is being changed to 200 level. *Impact on other units:* None. *Financial impact:* None.

Political Science Equivalency Table

| Current Courses | Equivalent Courses Effective Fall 2016 |
|---|---|
| POLS 201 | POLS 301 |
| POLS 315 | POLS 215 |

**REVISE REQUIREMENTS**

**Political Science Major, BA**

**Major Requirements**

**Select four courses – Foundations of Political Science:**

- ~~POLS 201 – Research Methods~~
- POLS 215 – Tennessee Government and Politics

**Political Science Major, BA – Honors Concentration**

**Honors Concentration**

**Select three courses – Foundations of Political Science**

- POLS 215 – Tennessee Government and Politics

**Complete:**

- ~~POLS 201 – Research Methods~~
- POLS 301 – Research Methods

**Political Science Major, BA – International Affairs Concentration**

**International Affairs Concentration**

**Select one course:**

- ~~POLS 201 – Research Methods~~
- POLS 301 – Research Methods

**Political Science Major, BA – Public Administration Concentration**

**Public Administration Concentration**

**Select three courses – Foundations of Political Science**

- ~~POLS 201 – Research Methods~~
- POLS 301 – Research Methods

*Rationale:* These changes reflect the course revisions being made, changing POLS 315 to POLS 215 and changing POLS 201 to POLS 301. *Impact on other units:* None. *Financial impact:* None.

**Pre-Professional Programs**

**REVISE REQUIREMENTS**

**Requirements for the Pre-Professional Programs Major – Pre-Pharmacy Concentration**

| **Term 6** | | |
|---|---|---|
| BCMB 230 | 5 ~~4~~ | Completion of at least 9 upper-division (300-400 level) hours ~~No milestones~~ |
| ~~BIOL 240 or BCMB 311 or BCMB 402 or BCMB 412~~ | ~~3-4~~ | |
| Social Sciences* | 3 | |
| [1]Connections | 6 | |
| **Term 7** | | |
| Completion of one year at the University of Tennessee Health Science Center in Memphis. | | Term 7: Completion of at least 24 upper-division (300-400 level) hours and Term 8: Completion of at least 42 upper-division (300-400 level) hours ~~No milestones~~ |

*Rationale:* The UT College of Pharmacy has changed its entrance requirements and no longer requires the second semester of biochemistry. *Impact on other units:* Biology 240 may possibly see a small drop in enrollment. *Financial impact:* No impact.

**DEPARTMENT OF PSYCHOLOGY**
**(PSYC) Psychology**

Psychology Major, BA
1. Describe key concepts, principles, and overarching themes in psychology.
2. Use scientific reasoning to interpret behavior.
3. Construct arguments clearly and concisely based on evidence-based psychological concepts and theories.

**ADD**

**PSYC 299 – Foundational Proficiency in Psychology (0)**
This course provides an opportunity for psychology majors to demonstrate foundational proficiency in psychology.
*Grading Restriction(s): Satisfactory/No Credit grading only.*
*Repeatability: May be repeated. Maximum 3 times.*
*(RE) Prerequisite: PSYC 110 or 117 or equivalent.*
*Registration Restriction(s): Bachelor of Arts – Psychology major.*

*Rationale:* To support the department's assessment efforts (internal, SACS-related, THEC mandated), we need a way to incentivize students' participation in assessments. This no-credit course, which will be required for the major, will allow us to obtain data from students mid-way through their degree program. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* Psychology-BA 1, 2, 3. *Support from Assessment Activities:* To help with further assessment activities.

**PSYC 373 – Youth Mentoring: Supervised Field Experience (3)**
This service-learning course provides students with the opportunity to mentor an at-risk elementary school child.
*Repeatability: May be repeated. Maximum 6 hours.*
*(RE) Prerequisite(s): PSYC 473.*
*Comments: Interview with instructor required for admission to course.*
*Registration Restriction(s): Minimum student level – Sophomore.*
*Registration Permission: Permission of instructor.*

**PSYC 473 – Youth Mentoring: Theory, Research, and Practice (3)**
This course is designed to: a) introduce students to the models, theory, and empirical research of youth mentoring and b) provide students with the opportunity to mentor an at-risk elementary school child.
*(RE) Prerequisite(s): 110 or 117 or Sociology 120 or Sociology 127 or Social Work 200 or Social Work 207 or Educational Psychology 210.*
*Comment(s): Interview with instructor required for admission to course.*
*Registration Restriction(s): Minimum student level – Sophomore.*
*Registration Permission: Permission of instructor.*

*Rationale:* 473 is currently offered as PSYC 399-field placement. The instructor and department wish to add the course formally to the curriculum. 373 is a companion course for 473 to allow students who have already completed the didactic and theoretical training in peer mentoring to continue to work as peer mentors in the schools without repeating the didactic information from 473.
*Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* Psychology-BA 1, 2, 3. *Support from Assessment Activities:* Assessments show students need more practice integrating all 3 PLOs.

**PSYC 499 – Psychology Proficiency (0)**
This course provides an opportunity for psychology majors to demonstrate proficiency in psychology.
*Grading Restriction(s): Satisfactory/No Credit grading only.*
*Repeatability: May be repeated. Maximum 3 times.*
*Registration Restriction(s): Bachelor of Arts – Psychology major; Minimum student level – Senior.*

*Rationale:* To support the department's assessment efforts (internal, SACS-related, THEC mandated), we need a way to incentivize students' participation in assessments. This no-credit course, which will be required for the major, will allow us to obtain data from students nearing graduation. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* Psychology-BA 1, 2, 3. *Support from Assessment Activities:* To help with further assessment activities.

**REVISE REQUIREMENTS**

**Psychology Major, BA**

**Major Requirements**
Students must complete a total of **30 credit hours**, at least 21 of which must be at the 300-level or above. No more than 6 hours from courses offered outside the psychology department may be counted toward the major. No more than 6 hours from PSYC 373, PSYC 382, PSYC 399, PSYC 489, PSYC 491, PSYC 492, PSYC 493 may be used in this major. Continuation in the psychology

major requires maintenance of a GPA of 2.0. Students placed on Academic Probation will be informed in writing that they are on probation and their records will be reviewed. Students who continue on Academic Probation will be dropped from the major.

*Rationale:* PSYC 373 is a new service learning course which should be subject to the same repeatability restrictions as the department's other service learning courses. *Impact on other units:* None. *Financial impact:* None.

**Electives (9 hours)**
Psychology majors will choose a minimum of 3 additional courses, at least one of which must be at the 400-level. No more than 6 hours of PSYC 382, PSYC 399, PSYC 489, PSYC 491, PSYC 492, PSYC 493 may be counted toward the major and no more than 6 hours from courses offered outside the psychology department.

- any PSYC course not already completed for the major
  any non-departmental elective above not already completed for the major
- BCMB 415 - Foundations in Neurobiology
- BCMB 423 - Neural Basis of Behavior
- CMST 414 - Persuasion
- COUN 480 - Skills for Counseling
- JREM 450 - Writing about Science and Medicine*

**Proficiencies (0 hours)**
To support the department's assessment efforts, students are required to complete two 0-credit courses, typically near the beginning and at the end of the student's degree program.

- PSYC 299
- PSYC 499

*Rationale:* Adding this section makes these new courses requirements to the major to ensure student participation in the department's assessment efforts. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF RELIGIOUS STUDIES**
**(REST) Religious Studies**

Religious Studies Major, BA

1. Students will have knowledge of the history, beliefs and practices of three or more religious traditions and methodological and theoretical skills in the critical, comparative, and cross- cultural study of religion.
2. Students will have an awareness of common elements in religious phenomena that allows them to make thoughtful and insightful comparisons and contrasts across the boundaries of religious traditions.
3. Students will demonstrate the ability to analyze religious phenomena and the methods and categories through which they are studied.
4. Students will have the ability to construct clear written (and oral) arguments.
5. Students will demonstrate an appreciation for the intersections of the study of religion with other academic disciplines, as well as with broader social, cultural, and political phenomena.

**ADD**

**†REST 339 – Islam in the Modern World (3)**
This course will examine major themes and trends in Islamic thought and practice from the colonial era to the present. *(Same as Asian Studies 339.)*
*Religious Studies is primary.*

*Rationale:* Currently, Religious Studies does not offer a course on modern and contemporary Islam. The department now has a faculty member who would like to teach this topic. *Impact on other units:* Will be cross listed with Asian Studies. *Financial impact:* None.
*Program Learning Outcomes:* Religious Studies-BA 1. *Support from Assessment Activities:* Curriculum review.

Religious Studies Equivalency Table

| Current Course | Equivalent Course Effective Fall 2016 |
|---|---|
| REST 315 | REST 314 |
| REST 333 | REST 339 |

**Religious Studies Major, BA**

**Major Requirements**

**II. Select one course from each of the following areas (12 hours):**

**A. Mediterranean and the Middle East**

- REST 339 – Islam in the Modern World

**Religious Studies Major, BA - Honors Concentration**

**Major Requirements**

**II. Select one course from each of the following areas (12 hours):**

**A. Mediterranean and the Middle East**

- REST 339 – Islam in the Modern World

*Rationale:* REST 339 is a new course which needs to be included in the major concentrations descriptions. *Impact on other units:* None. *Financial impact:* None.

**DEPARTMENT OF SOCIOLOGY**
**(SOCI) Sociology**

Sociology Major, BA

1. Students are able to analyze data and apply key principles of sociological research design and methodology.
2. Students are able to interpret sociological theories and apply them to social issues.
3. Students are able to identify opportunities for the application of sociology in research, policy, and careers.
4. Students are able to synthesize their knowledge of sociology in a major project, internship. or other capstone experience.
5. Students are able to apply critical thinking and problem-solving skills.

**DROP**

**SOCI 352 – Deviance and Social Control (3)**

*Rationale:* This course has not been offered recently and is no longer a primary component of our faculty's expertise or the field of sociology. *Impact on other units:* None. *Financial impact:* None.

**ADD**

**SOCI 353 – Criminal Justice (3**
A critical assessment of the criminal justice apparatus and its components. Brief examination of the police, with most of the emphasis on the criminal courts and institutions and programs such as the prison, probation, and parole. Analysis of their operation and impacts.

*Rationale:* This course is being moved from 400 level to 300 level to promote more unity and coherence within the major concentration. Its corresponding partner course is offered at the 300 level, 350 – Criminology. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* Existing course. *Support from Assessment Activities:* Curriculum review.

**DROP**

**SOCI 451 – Criminal Justice (3)**

*Rationale:* This course is being moved to the 300 level. *Impact on other units:* None. *Financial impact:* None.

**ADD**

**SOCI 454 – Restorative Justice (3)**
Explores the restorative justice perspective on crime, harm and conflict and its global practices, which recognize reparation, reconciliation, and social justice.

*Rationale:* This course is being added to better recognize core faculty research and teaching strengths and promote more unity and coherence within the major concentration course options. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* Sociology BA - 1, 2, 5. *Support from Assessment Activities:* Assessments indicate need for deeper study in areas of concentration re #5.

**SOCI 480 – Capstone in Sociology (1)**
Reflection on and assessment of sociology major, including theory, methods, experiential learning, and knowledge application; participation in department colloquia and/or lecture series; consideration of career and graduate/professional school opportunities.
*Grading Restriction(s): Satisfactory/No Credit grading only.*
*Registration Restriction(s): Sociology majors only; minimum student level: senior.*

*Rationale:* There is an expressed faculty and student need within the department for a course that would facilitate reflection and assessment of the sociology major while allowing professionalization opportunities, including resources on career and graduate/advanced training. *Impact on other units:* None. *Financial impact:* None.
*Program Learning Outcomes:* Sociology BA-1, 2, 3, 4, 5. *Support from Assessment Activities:* To aid future assessment activities and provide a point for reflection on the major.

**REVISE REQUIREMENTS**

**Sociology Major, BA**

Continuing, returning, and transfer students must meet progression requirements before declaring a major in sociology.

Before applying to the Department of Sociology for admission to the major, a student must complete either SOCI 110*, SOCI 120*, or SOCI 127* with a grade of C or above, and either MATH 115*, STAT 201*, or STAT 207*. Upon granting admission to the major, the department will assign the student an academic advisor who will help the student plan a program of study for the major. Students may also declare a concentration in Criminology and Criminal Justice or Environmental Issues, and in Honors, each of which features attendant requirements. Ideally, students will take SOCI 321 and SOCI 331 no later than their junior year. SOCI 480 will be taken in the senior year.

**Sociology – Major (31 ~~30~~ hours)**
The major consists of 31 ~~30~~ upper-division hours in sociology.

**Complete:**

- SOCI 321 – Sociological Theory
- SOCI 331 – Sociological Research
- SOCI 480 – Capstone in Sociology

**Sociology Major, BA – Criminology and Criminal Justice Concentration**

Continuing, returning, and transfer students must meet progression requirements before declaring a major in sociology.

Before applying to the Sociology Department for admission to the major, a student must complete either SOCI 110*, SOCI 120*, or SOCI 127* with a grade of C or above, and either MATH 115*, STAT 201*, or STAT 207*. Upon granting admission to the major, the Department will assign the student an academic advisor who will help the student plan a program of study for the major. Students may also declare a concentration in either Criminology and Criminal Justice or Environmental Issues, and in Honors, each of which features attendant requirements. Ideally, students will take SOCI 321 and SOCI 331 no later than their junior year. SOCI 480 will be taken in the senior year.

**Sociology – Major (31 ~~30~~ hours)**
The major consists of 31 ~~30~~ upper-division hours in sociology.

**Complete:**

- SOCI 321 – Sociological Theory
- SOCI 331 – Sociological Research
- SOCI 480 – Capstone in Sociology

**Sociology Major, BA – Environmental Issues Concentration**

Continuing, returning, and transfer students must meet progression requirements before declaring a major in sociology.

Before applying to the Sociology Department for admission to the major, a student must complete either SOCI 110*, SOCI 120*, or SOCI 127* with a grade of C or above, and either MATH 115*, STAT 201*, or STAT 207*. Upon granting admission to the major, the Department will assign the student an academic advisor who will help the student plan a program of study for the major. Students may also declare a concentration in either Criminology and Criminal Justice or Environmental Issues, and in Honors, each of which features attendant requirements. Ideally, students will take SOCI 321 and SOCI 331 no later than their junior year. SOCI 480 will be taken in the senior year.

**Sociology – Major (31 ~~30~~ hours)**
The major consists of 31 ~~30~~ upper-division hours in sociology.

**Complete:**

- SOCI 321 – Sociological Theory
- SOCI 331 – Sociological Research
- SOCI 480 – Capstone in Sociology

*Rationale:* SOCI 480 is a new capstone course being added for assessment and professionalization purposes and will be required of all majors. These changes in each concentration assure that every student will take the course in senior year. *Impact on other units:* None. *Financial impact:* None.

**VolsTeach Program**

**REVISE REQUIREMENTS**

**VolsTeach Minor for Mathematics Majors**

**Required Courses**

**Complete:**

- INPG 353 – VolsTeach: Perspectives on Math and Science
- ~~PHIL 360 – Philosophy of Science~~

**VolsTeach Minor for Science Majors**

**Required Courses**

**Complete:**

- INPG 353 – VolsTeach: Perspectives on Math and Science
- ~~PHIL 360 – Philosophy of Science~~

*Rationale:* The VolsTeach program has been using Philosophy 360 in their program but needed a course designed specifically for their program. We created INPG 353 to fill that need and now need to remove the Philosophy course from VolsTeach requirements and add the INPG course. *Impact on other units:* None. *Financial impact:* None.

**HASLAM COLLEGE OF BUSINESS**
**All changes effective fall 2016**

**Part I. COURSE CHANGES**

**DEPARTMENT OF BUSINESS ANALYTICS AND STATISTICS**

**BSBA in Business Analytics Learning Outcomes:**

1. Students will be able to identify the necessary data to use and perform the proper analysis to address an important business question.
2. Students will be able to clearly and effectively present (in writing) the results of their own data analysis conducted to address an important business question in business language for a general manager.

**(BAS) Business Analytics and Statistics**

**REVISE TITLE AND DESCRIPTION**

**BAS 471 Statistical Methods (3)** Numeric and graphic description of data, probability and probability distributions, simulation, and sampling distributions. Estimation and hypothesis testing for one and two samples, parametric and nonparametric approaches, bootstrapping, and randomization tests. Multiple linear regression review and further issues, diagnostics and validation, and analysis of count data. Data Screening. Use of SAS and other statistical software.

*Formerly:* ***Business Analytics Capstone (3)*** *Numeric and graphic description of data, probability and probability distributions, simulation, and sampling distributions. Estimation and hypothesis testing for one and two samples, parametric and nonparametric approaches, and bootstrapping. Tests for count data, simple and multiple linear regression, diagnostics and validation, and analysis of variance. Data Screening. Use of SAS and other statistical software.*

*Rationale:* As described in another curriculum change proposal, a new course is being proposed: BAS 479 - Capstone for Business Analytics. BAS 479 will truly be a "capstone" course taken only by Business Analytics majors (or by majors in other disciplines that have chosen Business Analytics as their dual concentration) BAS 471 will continue to be a Business Analytics elective (and, be required by Statistics majors in the College of Arts And Science). The name change to "Statistical Methods" better describes the content of this course. The course description was slightly modified to better reflect the current content of that course, and to reflect the slight shift in the emphasis of this course (since it will no longer be considered the "capstone" course taken by all Business Analytics majors). *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.
*This proposal supports Learning Outcome 2.* See support from Assessment Activities in proposal for BAS 479.

**ADD**

**BAS 479 Capstone for Business Analytics (3)** Case studies in business analytics illustrating various aspects of descriptive, predictive, and prescriptive modeling. Strong emphasis on data preparation and statistical programming using SQL, R, and/or other standard software along with writing and presentation skills.
*(RE) Prerequisite(s): 474 and Information Management 342.*

*Rationale:* A current course required of all of our Business Analytics Majors, BAS 471 - Business Analytics Capstone, is also required by students pursuing a Statistics major through the College of Arts and Sciences. We want the "Business Analytics Capstone" course to exercise students' ability to query data, use data mining (if necessary) to gain insight from the data, produce an analysis, and present their findings in easy to understand language. In order to practice data query, we need to require INMT 342 - Introduction to Database Systems as a prerequisite. INMT 342 cannot be taken by Arts and Science students, so we cannot require such students to take INMT 342 in their curriculum. Additionally, BAS 474 - Data Mining - needs to be a prerequisite to a Business Analytics capstone course. Currently, only BAS 320 is a prerequisite to BAS 471. The need for the content of BAS 471 is still valid, and this course will remain as a Business Analytics elective (and, as a requirement for Statistics majors through Arts & Sciences). The new BAS 479 will be taken by only Haslam College of Business students with the necessary prerequisites, and be a true "capstone" course, preparing students to begin their careers as a Business Analytics professional. (Note: in other curriculum proposals, BAS 471 will be renamed "Statistical Methods".) Staffing Impact: It is not believed that additional faculty or GTAs will be needed for this change. In past semesters, demand for BAS 471 was so great that more than one section was offered. This proposed change will shift some of these students from BAS 471 to BAS 479, allowing us to offer only one section of BAS 471. The total number of students serviced will not increase, so the number of GTA grading hours will be approximately the same. *Impact on Other Academic Units:* None. *Financial Impact:* None.
*This proposal supports Learning Outcome 2.* One of our learning outcomes is that students will be able to clearly communicate the results of a statistical analysis in a way that everyone in the organization can understand it. A major focus of BAS 479 will be the ability to communicate their findings to (1) top management, and (2) other analysts. Although our learning objective focuses on the ability to communicate with top management, we have learned from interviews with employers that clearly communicating the details of the analysis to other technically trained individuals in the organization is just as important. Thus, BAS 479 will focus on

clearly communicating with both audiences. *Support from Assessment Activities:* Assessment activities indicate that students are weak on this learning objective. Efforts are in place to get these students practice at clearly communicating the results of their analysis in all of their undergraduate Business Analytics courses. Formal SACS-COC assessment of this learning objective is currently done in BAS 471, but will be shifted to BAS 479. It is expected that this explicit emphasis on communication of results in BAS 479 will drastically improve assessment scores on this learning objective.

**DEPARTMENT OF FINANCE**

**BSBA in Finance Program Learning Outcomes**

1. Students will demonstrate mastery of these principles of finance: present value, future value and net present value calculations, and make correct value maximizing choices based on an understanding of time value of money and capital budgeting principles.
2. Students will perform ex-post and ex-ante return and risk calculations, and make correct choices based on an understanding of systematic risk, total risk, and total return concepts.

**(FINC) Finance**

**ADD**

**FINC 420 Financial Statement Analysis (3)** Focus of course is on use of financial information rather than preparation of financial statements. Analysis is from the perspective of key users such as creditors, equity investors, financial analysts, and investment bankers.
*(RE) Corequisite(s): 301 or 307.*
*Registration Restriction(s): Majors in the Haslam College of Business.*

*Rationale:* Course reflects our analyses of courses offered by our peer institutions as well as as courses currently being offered in the major. *Staffing Impact:* None. Recent faculty member hired will be teaching this course. *Impact on Other Academic Units:* None. *Financial Impact:* None.
*This proposal supports Learning Outcome 1* by providing a comprehensive analysis of a company's financial condition and, hence, knowledge needed in determining value maximizing choices related to capital budgeting.

**FINC 440 Fixed Income Analysis and Markets (3)** Course examines the markets for fixed-income securities and consists of a rigorous treatment of fixed-income securities, markets and portfolios. Topics include but are not limited to bond pricing, yield measures, duration, convexity, credit risk, bonds with embedded options, and construction of fixed-income portfolios.
*(RE) Prerequisite(s): 301 or 307 and Accounting 301 with grades C or better.*
*Registration Restriction(s): Majors in the Haslam College of Business.*

*Rationale:* Course reflects importance of student exposure to fixed-income securities and management of same. *Staffing Impact:* None. Recent faculty member hired has experience teaching this course. *Impact on Other Academic Units:* None. *Financial Impact:* None.
*This proposal supports Learning Outcomes 1 and 2.* It will provide not only a more comprehensive analysis of debt, a component of a firm's capital structure and determination of WACC needed in capital budgeting, but also a more thorough analysis of risk and return relating to primary sources of financing by a firm (i.e., debt as well as equity).

**REVISE TITLE AND DESCRIPTION**

**FINC 445 Financial Derivatives (3)** Different types of derivative financial assets are the focus of this course. Emphasis will be placed on real-world applications of theoretical and conceptual material discussed in this class.

> *Formerly:* ***FINC 445 Debt and Derivatives (3)*** *Different types of derivative financial assets and fixed-income securities are the focus of this course. Emphasis will be placed on real-world applications of theoretical and conceptual material discussed in this class.*

*Rationale:* Course reflects material to be covered in a new course entitled Fixed Income Analysis and Markets. Change will permit comprehensive coverage of financial derivatives. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**DEPARTMENT OF MANAGEMENT**

**(ENT) Entrepreneurship**

**ADD**

**ENT 492 Entrepreneurship Internship (3)** Integrates classroom knowledge with skill based competencies in entrepreneurship through first-hand experience working with an entrepreneur or with entrepreneurship-focused organizations.
*Registration Restriction: Minimum of 45 completed credit hours.*
*Registration Permission: Consent of instructor.*

*Rationale:* Provides students with a hands-on opportunity to work with entrepreneurs and entrepreneurial enablers. *Staffing Impact:* Will use existing staffing. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**ENT 499 Special Topics in Entrepreneurship (3)** Topics of current interest in entrepreneurship.

*Repeatability: May be repeated for credit with consent of department. Maximum 6 hours.*
*Registration Restriction: Minimum of 45 completed credit hours.*

*Rationale:* Allows for special topics to be offered in various areas of entrepreneurship. *Staffing Impact:* Will use existing staffing. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**DEPARTMENT OF MARKETING AND SUPPLY CHAIN MANAGEMENT**

**BSBA in Supply Chain Management Program Learning Outcomes**

1. Students will demonstrate an understanding of purchasing, logistics and operations concepts, and principles that are essential for managing and controlling supply chain functions.
2. Students will be able to participate in global supply chain decision making from a managerial point of view.

**(SCM) Supply Chain Management**

**DROP**

**SCM 310 Intermediate Supply Chain Management (6)**

*Rationale:* Content is now being put into new 311 and 312 courses. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**ADD**

**SCM 311 Intermediate Supply Chain Management (3)** The concepts, principles, and methods used to plan, organize, and manage supply chain elements in a global environment. A balanced view of logistics, distribution, operations and purchasing is covered along with the integration among supply chain members of these vitally important areas.
*(RE) Prerequisite(s): Business Administration 331.*
*(RE) Corequisite(s): 312.*

**SCM 312 Supply Chain Analytics (3)** This course provides an introduction to the principal analytical tools and methods used in supply chain management. The course includes a heavy emphasis on the development of analytical skills to solve relevant supply chain and logistics problems including: resource allocation, procurement decisions, pricing, outsourcing, demand planning, inventory control models, transportation, assignment and network models.
*(RE)Prerequisite(s): Business Administration 331.*
*(RE)Corequisite(s): 311.*

*Rationale:* Instead of taking a 6-hour SCM 310 course, students will now take the above two three-hour courses. Analytics have been covered in 310, but not to the extent that they need to be. Supply Chain forum sponsors and other employers have asked specifically to increase the amount of analytics that students receive as third-year students before going on internships. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.
*These courses support Program Learning Outcome 1.*

**REVISE DESCRIPTION AND (RE) PREREQUISITE(S)**

**SCM 411 Supply Chain Modeling and Analysis (3)** This course explores the key issues associated with the design and analysis of dynamic, flexible, and responsive supply chain systems. Emphasis will be on the application and development of advanced modeling techniques for the analysis of strategic, tactical, and operational supply chain problems including supply chain network design, inventory management, transportation management, purchasing, demand management, and coordination among supply chain partners.
*(RE)Prerequisite(s): 310 with grade of C or better, or 311 and 312 with grades of C or better.*

> *Formerly: Introduction to the principal analytical tools and methods that are used in supply chain management, including experience in solving relevant supply chain and logistics problems. Heavy emphasis on the use of Microsoft Excel functions and add-ins to develop modeling skills including decision analysis, heuristics, network design, delivery routing and transportation mode selection.*
> *(RE)Prerequisite(s): 310 with grade of C or better.*

*Rationale:* Some content that was previously in 411 is now being moved to 312. 411 can now focus on modeling and analysis at a more advanced level. New prerequisites needed due to change in 300-level SCM courses. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**REVISE (RE) PREREQUISITE(S)**

**SCM 412 Supply Chain Information Technology (3)**
*(RE)Prerequisite(s): 310 with grade of C or better, or 311 and 312 with grades of C or better.*

**SCM 413 Supply Chain Operations (3)**
*(RE)Prerequisite(s): 310 with grade of C or better, or 311 and 312 with grades of C or better.*

**SCM 421 Global Strategic Sourcing (3)**
*(RE)Prerequisite(s): 310 with grade of C or better, or 311 and 312 with grades of C or better.*

*Formerly: (RE)Prerequisite(s): 310 with grade of C or better.*
*Rationale:* New prerequisites needed due to change in 300-level SCM courses. *Staffing Impact:* None. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**ADD**

**SCM 422 Supply Chain Planning and Financial Analysis (3)** This course focuses on the development of tactical plans in support of the firm's supply chain strategies, with an emphasis on how to integrate these plans into a unified and coordinated supply chain system. Students are exposed to concepts and models important in supply chain planning with emphasis on key financial and operational tradeoffs.
*(RE) Prerequisite(s): 310 with grade of C or better, or 311 and 312 with grades of C or better.*

*Rationale:* In today's global economy, customers increasingly want quick, customized responses to their needs. Because most companies have a significant gap between determining what is needed by customers and actually delivering those products and/or services, effective supply chain planning is required to ensure that four primary types of value – form, time, place, and possession – are created in a way that optimizes performance. Planning integrates the supply chain from the supplier's supplier to the consumer's point of use; it is the "brains of the supply chain." High performing supply chains have robust planning processes that enable them to meet demand at a competitive cost. Yet, many companies report that they struggle to improve their sales and operations planning (S&OP) process, demand planning, supply planning that optimizes manufacturing performance, and logistics (distribution, inventory and transportation) performance while optimizing working capital management.
Coordination and integration between supply chain processes is essential due to the interrelationships that exist. Failing to recognize the trade-off that exists among activities can be a detriment to one or more of the others. Therefore, this course will be organized around an end-to-end planning framework that addresses this scope. Students will gain knowledge of the key supply chain planning processes through practical application of various methods and approaches. At the end of the course, students should be able to utilize these skills in goods-producing and service-providing companies such that they are able to contribute to the company's financial performance.
*Staffing Impact:* No additional faculty or GTAs will be needed. This course will be an extra elective that will take students from other, more heavily burdened courses – primarily SCM 421. *Impact on Other Academic Units:* None. *Financial Impact:* None.
*This proposal supports Learning Outcomes 1 and 2.*

**REVISE (RE) PREREQUISITE(S)**

**SCM 460 Global Strategies for Supply Chain Management (3)**
*(RE) Prerequisite(s): Two courses from 411, 412, 413, 421, 422 with grade of C or better.*

Formerly: *(RE) Prerequisite(s): Two courses from 411, 412, 413, 421 with grade of C or better.*

**Part II: PROGRAM CHANGES**

**DEPARTMENT OF ACCOUNTING AND INFORMATION MANAGEMENT**

REVISE REQUIREMENTS

**Requirements for the Bachelor of Science in Business Administration, Accounting Major – Collateral Option**

**Accounting Collateral Options**
BUSINESS ANALYTICS – BAS 320, BAS 474, INMT 342
SUPPLY CHAIN MANAGEMENT – ~~SCM 310~~, SCM 311, SCM 312, and one of SCM 411, SCM 412, SCM 413, SCM 421, or SCM 422.

*Rationale:* The driving force behind this is acknowledging what is going on in the marketplace. The accounting profession is and will continue to be greatly impacted by an analytics mindset. *Staffing Impact:* Business Analytics is aware of the change and is prepared for the potential increased demand. *Impact on Other Academic Units:* See above. *Financial Impact:* None.

**DEPARTMENT OF BUSINESS ANALYTICS AND STATISTICS**

**Program Learning Outcomes for the BSBA in Business Analytics**
1. Students will be able to identify the necessary data to use and perform the proper analysis to address an important business question.
2. Students will be able to clearly and effectively present (in writing) the results of their own data analysis conducted to address an important business question in business language for a general manager.

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Business Administration – Business Analytics Major – Collateral Option**

| **Term 3** | | |
|---|---|---|
| 7 ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| 3 Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |

| | | |
|---|---|---|
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 6** | | |
| [6]Business Analytics Electives | 3 ~~6~~ | 2.5 cumulative GPA |
| Collateral | 3 | BAS 320 |
| INMT 342 | 3 | |
| [5]Unrestricted Electives | 8 | |
| **Term 7** | | |
| BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252* | 3 | No milestones |
| BULW 301 | 2 | |
| BAS 474 ~~BAS 471~~ | 3 | |
| [5]Unrestricted Electives | 2 | |
| BUAD 453 | 4 | |
| **Term 8** | | |
| [6]Business Analytics Elective | 3 | No milestones |
| Collateral | 3 | |
| BAS 479 ~~BAS 474~~ | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 405 | 1 | |
| **TOTAL** | **120** | |

**Business Analytics Collateral Options**
ECONOMICS – ECON 311, ~~ECON 312~~ ECON 381.
INFORMATION MANAGEMENT – Two of: INMT 341, INMT 442, INMT 443. ~~INMT 341, INMT 342 (Note: If INMT 342 is taken as a Business Analytics Elective, choose INMT 341 and one of INMT 442, INMT 443).~~
SUPPLY CHAIN MANAGEMENT – SCM 311, SCM 312. ~~SCM 310.~~
[6] Select two ~~three~~ courses from ~~INMT 342,~~ BAS 310, BAS 340, BAS 370, BAS 471, BAS 454, BAS 475.

*Rationale:* Reflects fact that Economics 312 will likely no longer be taught. Reflects addition of BAS 479 and change to BAS 471 described in Course Changes. Furthermore, through extensive interviews with employers that hire our students, as well as former graduates of our program, we have identified a major deficiency in our undergraduate offerings. Students that pursue a career in "Business Analytics" need to have training in a data query language. The data query language most often mentioned by employers and former students is SQL. INMT 342 spends 4.5 weeks on SQL, and is the only course at UT that students can learn this. Business Analytics majors that choose Information Management as their collateral are required to take INMT 342, but it is currently a Business Analytics elective for other collateral areas. This change will make INMT 342 a required course for ALL Business Analytics Major - Collateral Option majors. Furthermore, this change will necessitate changing the requirements for the Information Management collateral. *Staffing Impact:* It is not expected that any drop in enrollments in Business Analytics electives taught in the Department of Business Analytics and Statistics will be enough to offer fewer sections of any of these courses. It is, however, anticipated that the increased enrollments in INMT 342 might require offering an additional section(s) of that course. Charles Cwiek has been working closely with Anita Hollander (Assistant Department Head in Accounting and Information Management) to plan for this increased demand for INMT 342. Anita Hollander has indicated that all relevant parties in her department welcome this change, and they are making plans to handle the increase in demand. *Impact on Other Academic Units:* As indicated above, change does potentially require more capacity in INMT 342. *Financial Impact:* As indicated above, one or more additional sections of INMT 342 may be required to accommodate this change.
*This change supports Program Learning Outcome #1. Support from Assessment Activities:* Assessment activities were not responsible for deciding to implement this change. However, prior to using data to employ ANY statistical tool, the data must be present. If the right data can't be retrieved from a data "warehouse", no analysis can take place. So, many times the correct tool is, initially, data query. Adding training on SQL will add an important tool to the students' "toolbox".

**Requirements for the Bachelor of Science in Business Administration – Business Analytics Major – Dual Concentration with Information Management**

| | | |
|---|---|---|
| **Term 3** | | |
| ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |

| | | |
|---|---|---|
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 7** | | |
| BULW 301 | 2 | No milestones |
| BAS 310 or BAS 340 or BAS 454 or BAS 475 | 3 | |
| INMT 443 | 3 | |
| BAS 474 ~~BAS 471~~ | 3 | |
| BUAD 453 | 4 | |
| **Term 8** | | |
| INMT 442 | 3 | No milestones |
| BAS 479 ~~474~~ | 3 | |
| [5]Unrestricted Electives | 8 | |
| BUAD 405 | 1 | |

**Requirements for the Bachelor of Science in Business Administration – Business Analytics Major – Dual Concentration with International Business**

| | | |
|---|---|---|
| **Term 3** | | |
| [5] ~~[7]~~ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [6] ~~[5]~~Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 7** | | |
| [7]International Business coursework | 6 | No milestones |
| BAS 474 ~~471~~ | 3 | |
| [6]Unrestricted Electives | 2 | |
| BUAD 453 | 4 | |
| **Term 8** | | |
| [7]International Business coursework | 6 | No milestones |
| BAS 471 or 479 ~~474~~ | 3 | |
| [6]Unrestricted Elective | 5 | |
| BUAD 405 | 1 | |

[5] Students admitted to Global Leadership Scholars will complete the honors versions of these courses: ACCT 207, ~~ECON 207*~~, MGT 207, STAT 207*, FINC 307, BUAD 337, BUAD 338, and BUAD 457. ~~BUAD 357, and MGT 407~~.

**Requirements for the Bachelor of Science in Business Administration – Business Analytics Major – Dual Concentration with Marketing**

| | | |
|---|---|---|
| **Term 3** | | |

| | | |
|---|---|---|
| [7]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 7** | | |
| BULW 301 | 2 | No milestones |
| MARK 462 or MARK 464 or MARK 466 or MARK 468 or MARK 469 | 3 | |
| BAS 474 ~~471~~ | 3 | |
| [5]Unrestricted Electives | 2 | |
| BUAD 453 | 4 | |
| **Term 8** | | |
| MARK 460 | 3 | No milestones |
| BAS 310 or BAS 340 or BAS 370 or BAS 454 or BAS 475 or INMT 342 | 3 | |
| BAS 471 or 479 ~~474~~ | 3 | |
| [5]Unrestricted Elective | 5 | |
| BUAD 405 | 1 | |

**Requirements for the Bachelor of Science in Business Administration – Business Analytics Major – Dual Concentration with Supply Chain Management**

| | | |
|---|---|---|
| **Term 3** | | |
| [7]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 6** | | |
| SCM 311, 312 ~~310~~ | 6 | 2.5 cumulative GPA |
| BAS 310 or BAS 340 or BAS 454 or BAS 475 or INMT 342 | 3 | ~~SCM 310~~ |
| [5]Unrestricted Electives | 6 | BAS 320 |
| **Term 7** | | |
| BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252* | 3 | No milestones |
| BULW 301 | 2 | |
| BAS 474 ~~471~~ | 3 | |
| [5]Unrestricted Electives | 2 | |
| BUAD 453 | 4 | |
| **Term 8** | | |

| | | |
|---|---|---|
| Two of SCM 411 or SCM 412 or SCM 413 or SCM 421 or SCM 422 | 6 | No milestones |
| BAS 471 or 479 ~~474~~ | 3 | |
| [5]Unrestricted Elective | 5 | |
| BUAD 405 | 1 | |

**DEPARTMENT OF FINANCE**

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Business Administration, Finance Major – Collateral Option**

**Finance Collateral Options**
ECONOMICS – ECON 311, ~~ECON 312,~~ ECON 313; and either ECON 421 or ECON 482.
LEADERSHIP ~~MANAGEMENT~~ – MGT 331, MGT 336, and one of ENT 410, ENT 460, MGT 440, or MGT 499 ~~MGT 430, MGT 435.~~
SUPPLY CHAIN MANAGEMENT – ~~SCM 310,~~ SCM 311, SCM 312, select one of SCM 411, SCM 412, SCM 413, or SCM 421.
[6] Finance electives chosen from FINC 402, FINC 420, FINC 435, FINC 440, FINC 445, FINC 463, FINC 475, FINC 485, FINC 493, FINC 495; IB 449.
[7] Students admitted to Global Leadership Scholars will complete the honors versions of these courses: ACCT 207, BUAD 337, BUAD 338, BUAD 457 ~~BUAD 357, ECON 207*,~~ FINC 307, MGT 207, ~~MGT 407,~~ and STAT 207*.

*Rationale:* The revision to change the management collateral to a leadership collateral reflects a change in orientation -- providing tangible leadership skills to complement technical skills from many majors. We expect that a collateral focusing on leadership will provide more marketable students who will be able to lead effectively as they move up through corporations. *Staffing Impact:* All of these courses are currently being taught. Some of the current classes (third choice courses) are not full, and we expect them to grow with interest in this collateral. Possible new sections of MGT 331 and MGT 336 may be created as interest grows in this collateral. To that end, this expected increase has been built into our current hiring plan, specifically one lecturer in management/leadership. *Impact on Other Academic Units:* Management department has coordinated change with Finance department. *Financial Impact:* Should not have an impact. Lecturer in Management has been approved for FY2016.

**Requirements for the Bachelor of Science in Business Administration, Finance Major – Dual Concentration with Business Analytics**
[6] Finance electives chosen from FINC 402, FINC 420, FINC 435, FINC 440, FINC 445, FINC 463, FINC 475, FINC 485, FINC 493, FINC 495; IB 449.

**Requirements for the Bachelor of Science in Business Administration, Finance Major – Dual Concentration with International Business**
[7] Finance electives chosen from FINC 402, FINC 420, FINC 435, FINC 440, FINC 445, FINC 463, FINC 475, FINC 485, FINC 493, FINC 495; IB 449.

**DEPARTMENT OF MANAGEMENT**

**REVISE REQUIREMENTS**

**Entrepreneurship Minor**

**Required Courses**
**Select one course:**

- IE 457 ~~ME 457~~ - Engineering Entrepreneurship (Cross-listed with CBE 457, IE 457 ~~ME 457~~, MSE 457, and NE 457.)

**Complete 9 hours of the following:**

- ENT 492 – Entrepreneurship Internship
- ENT 499 – Special Topics in Entrepreneurship
- IE 405 – Engineering Economic Analysis
- IE 458 – Creative Technical Problem Solving
- INSC 461 – Information Architecture and the User Experience

*Rationale:* Reflects new course offerings and requests from other colleges to allow existing courses to fulfill requirements for the minor. *Staffing Impact:* None. *Impact on Other Academic Units:* Changes have been coordinated across the College of Business, the College of Communication and Information, and the College of Engineering. *Financial Impact:* None.

**Requirements for the Bachelor of Science in Business Administration, Human Resource Management Major – Collateral Option**

**Human Resource Management Collateral Options**

ENTREPRENEURSHIP – ENT 350, ENT 451, and one of ENT 410, ENT 415, ENT 420, ENT 425, ~~or~~ ENT 460, ENT 492, or ENT 499.

*Rationale:* To align the entrepreneurship collateral with new course offerings. *Staffing Impact:* Will use existing staffing. *Impact on Other Academic Units:* None. *Financial Impact:* None.

**Requirements for the Bachelor of Science in Business Administration, Management Major – Collateral Option**

**Management Collateral Options**
ECONOMICS – ECON 311, ~~ECON 312,~~ ECON 381, and one of ECON 421, ECON 435, ECON 471, ECON 472.
ENTREPRENEURSHIP – ENT 350, ENT 451, and one of ENT 410, ENT 415, ENT 420, ENT 425, ~~or~~ ENT 460, ENT 492, or ENT 499.

**DEPARTMENT OF MARKETING AND SUPPLY CHAIN MANAGEMENT**

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Business Administration, Marketing Major – Collateral Option**

**Marketing Collateral Options**
ECONOMICS – ECON 311, ~~ECON 312,~~ ECON 435, and one 400-level economics elective.
LEADERSHIP – MGT 331, MGT 336, and one of ENT 410, ENT 460, MGT 440, or MGT 499
SUPPLY CHAIN MANAGEMENT – ~~SCM 310~~ SCM 311, 312, and one of SCM 411, SCM 412, SCM 413, SCM 421, SCM 422.

*Rationale:* The revision to change the management collateral to a leadership collateral reflects a change in orientation -- providing tangible leadership skills to complement technical skills from many majors. We expect that a collateral focusing on leadership will provide more marketable students who will be able to lead effectively as they move up through corporations. *Staffing Impact:* All of these courses are currently being taught. Some of the current classes (third choice courses) are not full, and we expect them to grow with interest in this collateral. Possible new sections of MGT 331 and MGT 336 may be created as interest grows in this collateral. To that end, this expected increase has been built into our current hiring plan, specifically one lecturer in management/leadership. *Impact on Other Academic Units:* Management department has coordinated change with Marketing and Supply Chain department. *Financial Impact:* Should not have an impact. Lecturer in Management has been approved for FY2016.

**Requirements for the Bachelor of Science in Business Administration – Marketing Major – Dual Concentration with Supply Chain Management**

| | | |
|---|---|---|
| **Term 3** | | |
| [7]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 6** | | |
| MARK 350, MARK 360 | 6 | 2.5 cumulative GPA |
| SCM 311, 312 ~~SCM 310~~ | 6 | ~~SCM 310~~ |
| [5]Unrestricted Electives | 2 | |
| **Term 8** | | |
| MARK 460 | 3 | No milestones |
| Two of: SCM 411 or SCM 412 or SCM 413 or SCM 421 or SCM 422 | 6 | |
| [5]Unrestricted Elective | 5 | |
| BUAD 405 | 1 | |

*Rationale:* Correct copy/paste error regarding footnote notation and to reflect change in SCM courses. *Financial impact:* none. *Impact on other units:* none.

**Requirements for the Bachelor of Science in Business Administration – Supply Chain Management Major – Collateral Option**

| | | |
|---|---|---|
| **Term 3** | | |
| [6] [7]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 6** | | |
| Collateral | 6 | 2.5 cumulative GPA |
| SCM 311, SCM 312 ~~SCM 310~~ | 6 | SCM 311, SCM 312 ~~SCM 310~~ |
| [5]Unrestricted Elective | 2 | |
| **Term 7** | | |
| BULW 301 | 2 | No milestones |
| SCM 411 or SCM 412 or SCM 413 or SCM 421 or SCM 422 (select two) | 6 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 453 | 4 | |
| **Term 8** | | |
| Collateral | 3 | No milestones |
| SCM 460 | 3 | |
| SCM 411 or SCM 412 or SCM 413 or SCM 421 or SCM 422 | 3 | |
| [5]Unrestricted Electives | 5 ~~8~~ | |
| BUAD 405 | 1 | |

[6] Students admitted to Global Leadership Scholars will complete the honors versions of these courses: ACCT 207, BUAD 337, BUAD 338, BUAD 457, ~~BUAD 357, ECON 207*,~~ FINC 307, MGT 207, ~~MGT 407~~, and STAT 207*.

**Supply Chain Management Collateral Options**
ECONOMICS –ECON 311, ~~ECON 312,~~ ECON 435, and one 400-level economics elective.
LEADERSHIP – MGT 331, MGT 336, and one of ENT 410, ENT 460, MGT 440, MGT 499.

*Rationale:* Reflect changes to Economics collateral. Reflects changes to Supply Chain curriculum. The revision to change the management collateral to a leadership collateral reflects a change in orientation -- providing tangible leadership skills to complement technical skills from many majors. We expect that a collateral focusing on leadership will provide more marketable students who will be able to lead effectively as they move up through corporations. *Staffing Impact:* All of these courses are currently being taught. Some of the current classes (third choice courses) are not full, and we expect them to grow with interest in this collateral. Possible new sections of MGT 331 and MGT 336 may be created as interest grows in this collateral. To that end, this expected increase has been built into our current hiring plan, specifically one lecturer in management/leadership. *Impact on Other Academic Units:* Management department has coordinated change with Marketing and Supply Chain department. *Financial Impact:* Should not have an impact. Lecturer in Management has been approved for FY2016.

**Requirements for the Bachelor of Science in Business Administration, Supply Chain Management Major – Dual Concentration with Business Analytics**

| | | |
|---|---|---|
| **Term 3** | | |
| [7]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*- |

| | | |
|---|---|---|
| | | MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 6** | | |
| SCM 311, SCM 312 ~~SCM 310~~ | 6 | 2.5 cumulative GPA |
| BAS 320 | 3 | SCM 311, SCM 312 ~~SCM 310~~ |
| [5]Unrestricted Elective | 5 | BAS 320 |
| **Term 7** | | |
| BULW 301 | 2 | No milestones |
| Two of SCM 411 or SCM 412 or SCM 413 or SCM 421 or SCM 422 | 6 | |
| BAS 471 | 3 | |
| BUAD 453 | 4 | |
| **Term 8** | | |
| BAS 340, BAS 474 | 6 | No milestones |
| [5]Unrestricted Electives | 5 ~~8~~ | |
| SCM 411 or SCM 412 or SCM 413 or SCM 421 or SCM 422 | 3 | |
| BUAD 405 | 1 | |

**Requirements for the Bachelor of Science in Business Administration, Supply Chain Management Major – Dual Concentration with Information Management**

| | | |
|---|---|---|
| **Term 3** | | |
| [7]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 6** | | |
| INMT 342 | 3 | 2.5 cumulative GPA |
| SCM 311, SCM 312 ~~SCM 310~~ | 6 | INMT 341 |
| [5]Unrestricted Electives | 5 | SCM 311, SCM 312 ~~SCM 310~~ |
| **Term 7** | | |
| BULW 301 | 2 | No milestones |
| INMT 442 | 3 | |
| SCM 411 or SCM 412 or SCM 413 or SCM 421 or SCM 422 | 3 | |
| [5]Unrestricted Electives | 3 | |
| BUAD 453 | 4 | |
| **Term 8** | | |
| BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252* | 3 | No milestones |
| INMT 443 | 3 | |
| Two of SCM 411 or SCM 412 or SCM 413 or SCM 421 or SCM 422 | 6 ~~3~~ | |
| [5]Unrestricted Elective | 2 ~~5~~ | |
| BUAD 405 | 1 | |

**Requirements for the Bachelor of Science in Business Administration, Supply Chain Management Major – Dual Concentration with International Business**

| | | |
|---|---|---|
| **Term 3** | | |
| [5] [7]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [6] [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 6** | | |
| BULW 301 | 2 | 2.5 cumulative GPA |
| SCM 311, SCM 312 ~~SCM 310~~ | 6 | SCM 311, SCM 312 ~~SCM 310~~ |
| [7]International Business coursework | 3 | |
| [6]Unrestricted Electives | 2 | |
| **Term 7** | | |
| [7]International Business coursework | 6 | No milestones |
| SCM 411 or SCM 412 or SCM 413 or SCM 421 or SCM 422 | 3 | |
| [6]Unrestricted Electives | 3 ~~6~~ | |
| BUAD 453 | 4 | |
| **Term 8** | | |
| [7]International Business coursework | 3 | No milestones |
| Two of SCM 411 or SCM 412 or SCM 413 or SCM 421 or SCM 422 | 6 | |
| [6]Unrestricted Elective | 5 | |
| BUAD 405 | 1 | |

[5] Students admitted to Global Leadership Scholars will complete the honors versions of these courses: ACCT 207, BUAD 337, BUAD 338, BUAD 457, ~~BUAD 357, ECON 207*,~~ FINC 307, MGT 207, ~~MGT 407,~~ and STAT 207*.

**Requirements for the Bachelor of Science in Business Administration, Supply Chain Management Major – Dual Concentration with Marketing**

| | | |
|---|---|---|
| **Term 3** | | |
| [7]ACCT 200 or ACCT 207 | 3 | ~~ACCT 200~~ |
| [3]Arts and Humanities Elective* | 3 | MATH 125* or MATH 141* |
| ECON 213* or 218* | 3 | |
| ENGL 255*, ENGL 257*, or ENGL 295* | 3 | |
| [5]Unrestricted Elective | 3 | |
| BUAD 200 | 1 | |
| **Term 4** | | |
| [3]Arts and Humanities Elective* | 3 | 2.5 Cumulative GPA and completion of following courses with C or better: MATH 123*-MATH 125* or MATH 141*-MATH 142*; CMST 210* or CMST 240*; ENGL 255* or ENGL 295*; ACCT 200; ECON 211*; ECON 213*; STAT 201* or STAT 207*; MGT 201* ~~CMST 210* or CMST 240*~~ |
| BUAD 242 | 2 | ~~ENGL 255* or ENGL 295*~~ |
| MGT 201 | 3 | ~~MATH 123* or MATH 142*~~ |
| STAT 201* or STAT 207* | 3 | ~~STAT 201* or STAT 207*~~ |
| [5]Unrestricted Elective | 3 | |
| **Term 6** | | |
| MARK 350, MARK 360 | 6 | 2.5 cumulative GPA |
| [5]Unrestricted Elective | 3 | |
| SCM 311, SCM 312 ~~SCM 310~~ | 6 | |
| **Term 7** | | |

| | | |
|---|---|---|
| BULW 301 | 2 | SCM 311, SCM 312 ~~SCM 310~~ |
| MARK 462 or MARK 464 or MARK 466 or MARK 468 or MARK 469 | 3 | |
| [5]Unrestricted Elective | 2 ~~5~~ | |
| SCM 411 or SCM 412 or SCM 413 or SCM 421 or SCM 422 | 3 | |
| BUAD 453 | 4 | |
| **Term 8** | | |
| MARK 460 | 3 | No milestones |
| Two of SCM 411 or SCM 412 or SCM 413 or SCM 421 or SCM 422 | 6 | |
| [5]Unrestricted Elective | 5 | |
| BUAD 405 | 1 | |

**COLLEGE OF COMMUNICATION AND INFORMATION**
**All changes effective fall 2016**
(None)

**COLLEGE OF EDUCATION, HEALTH, AND HUMAN SCIENCES**
**All changes effective fall 2016**

**I. COURSE CHANGES**

**DEPARTMENT OF EDUCATIONAL PSYCHOLOGY & COUNSELING**

Student Learner Outcomes:
The Department of Educational Psychology and Counseling offers no undergraduate degrees, thus no program learning objectives are stated.

**(COUN) Counselor Education**

**ADD**

**COUN 460 Practicum in Grief Support (3)**
Supervised practice and application of knowledge and skills about grief, loss, and life transitions.

*Rationale:* Provides learning in an area of student interest that is not provided elsewhere in the curriculum. Also provides a service learning opportunity for students across the university, meeting a community need. There are a number of undergraduate programs under which an elective such as this may be important including psychology, social work, child and family studies, theory & practice in teacher education, and other service oriented fields." *Impact on other units:* None. This will be an elective course only. No similar course offered. *Financial Impact:* None. The course has been offered as special topics through the Grief Outreach Initiative since 2009. This undergraduate course is staffed by doctoral student instructors, under the supervision of Counselor Education faculty member who was hired with expertise to coordinate the CEHHS Grief Outreach Initiative.
*Course Format and Location:* Practicum.
*Learning Outcomes Supported:* None. *Support from assessment activities:* Student demand has been sufficient as a special topics course, especially as taught by doctoral students (Spring 2015 = 12 students, Fall 2014 = 7; it is not offered this fall, as we will only be offering once per year, to keep number high). Counselor Education doctoral student interest is teaching undergraduate courses such as this, under close faculty supervision, is high.

**DEPARTMENT OF NUTRITION**

Student Learner Outcomes for the BS in Nutrition
1. Upon completing the program, students who apply for dietetic internship programs will attain placement in a dietetic internship program.
2. Upon completing the program the students who apply will attain placement in a graduate or non-dietetics health professional program.
3. Upon completing the program, the student will demonstrate the ability to understand, interpret, and apply the science of nutrition in individual, clinical, and community settings.
4. Upon completing the program the student will be able to apply critical thinking skills to solve problems.

**(NUTR) NUTRITION**

**ADD**

**NUTR 413 Food and Nutrition in the Community Practicum (1)**
Application of principles of concepts introduced in NUTR 412 (Food and Nutrition in the Community). Students will work in the community. Successful completion of 15 hours of service learning is required.
*(RE) Prerequisite: NUTR 302.*
*(RE) Corequisite(s): NUTR 412 and NUTR 415.*

*Registration Restriction(s): Nutrition majors only. Priority given to students in the Dietetics concentration.*

*Rationale:* The requirement to work in the community setting (15 hours of service learning) has been a component of NUTR 412 (Food and Nutrition in the Community) for many years. However, with increasing enrollment in the major, and because NUTR 412 is a requirement for both the Basic Science and Dietetics concentrations, there has been an increasing burden of management of these community placements on both the community partners and the instructor of record. In addition, the amount of work expected in this course is more than the three hours credit received. The addition of this 1 credit lab, which will be required for students in the Dietetics concentration and will be available as an optional elective for students in the Basic Science concentration, will allow for concentrating resources on those students with a strong interest in community nutrition and will reduce the burden on community partners. The draft syllabus for this proposed course has been provided. *Impact on other units:* None. This course is for Nutrition majors only. *Financial impact:* None. This lab class will be taught as part of the regular faculty course load.
*Format of Course:* Practicum.
*Learning Outcomes supported:* This change will support SLO #3 and #4, as the proposed creation of a lab course will increase the efficiency with which the instructor and community partners can focus on quality service learning projects. *Support from assessment activities:* With increasing enrollment in the Nutrition major has increased the burden on community partnerships who engage with the department to provide service learning opportunities. Removing the requirement of participation for those students in the Basic Science concentration, by removing this component from NUTR 412 and creating this lab course, will provide for a better experience for our students and the community.

**NUTR 421 Diet and Physical Activity Assessment (1)**
Skill development in diet and physical activity assessment in children and adults.
*Registration Restriction (RE): Junior or Senior Nutrition majors only.*
*RE Prerequisite: NUTR 100.*

Equivalency Table:

| Current Course | Equivalent Course Fall 2016 |
|---|---|
| NUTR 423 | NUTR 421 |

*Rationale:* The NUTR 422 (Nutrition Counseling)/423 (Nutrition Counseling Application) sequence has focused on nutrition counseling. However, some redundancy exists, such that streamlining content by dropping the 1-credit (NUTR 423) course is not expected to affect counseling skill development. This will also create space for this new course to build on the critical related skills of diet and physical activity assessment. This proposed course will form a stronger basis for development of skills in effective nutrition counseling and improve overall nutrition assessment skills beneficial to clinical application in NUTR 415-416: Clinical Nutrition I and II. The draft syllabus for this proposed course has been provided. *Impact on other units:* None. This course is restricted to Nutrition majors. *Financial impact:* None. This proposed 1-credit course will replace NUTR 423, which is being dropped.
*Format of Course:* Regular classroom format.
*Learning Outcomes supported:* This change supports SLO #3 and #4, as the proposed replacement course will form a stronger basis for development of skills in effective nutrition counseling in NUTR 422 and to clinical application in the Clinical Nutrition course sequence (NUTR 415-NUTR 416). *Support from assessment activities:* Recent review by the course instructor and the program director revealed the need for developing specific concepts concurrent with enrollment in NUTR 415 and prior to enrollment in NUTR 416 and NUTR 422 in order to effectively apply nutrition knowledge.

**DEPARTMENT OF RETAIL, HOSPITALITY, AND TOURISM MANAGEMENT**

Student Learner Outcomes for the BS in Hotel, Restaurant, and Tourism Management Major
1. Demonstrate knowledge, skills, and abilities to manage a hospitality and tourism business.
2. Demonstrate a level of critical thinking skills relative to problem solving and decision making as applied to the hospitality industry.
3. Effectively communicate knowledge, interpretations, and arguments in writing and in formal oral presentations.

Student Learner Outcomes for the BS in Retail & Consumer Science Major
1. Demonstrate the fundamental knowledge and skills necessary for success in the retail industry.
2. Demonstrate a level of critical thinking skills relative to problem solving and decision making as applied to the retail industry.
3. Effectively communicate knowledge, interpretations and arguments in writing and in formal oral presentations.

**(HRT) Hotel, Restaurant, and Tourism Management**

**ADD**

**HRT 299 Beverage Management (3).**
This course is designed as an overview of contemporary issues in beverage management, including general instruction in wines, beers, spirits and the legal implications relative to their selling, serving, and consumption.

*Rationale:* This class is designed to give the student a solid-basic understanding of beverage and bar management, including the responsible and ethical framework of the sale, service, and consumption of alcohol. This is critical information for many students in HRT internships and careers. *Impact on Other Units:* No impact on other academic units. The course is not a general university elective, tracking or high demand course. The course will serve as an HRT elective course. *Financial Impact:* The course has been taught for one year as a special topics course, and will be again in Summer 2015. In addition, we will be dropping HRT 330, so there is no net change in classes. No financial impact.
*Course Format and Location:* Class will follow a lecture format and be held at the Culinary Institute at the UT Visitor's Center.

*Learning Outcomes Supported:* None. *Assessment Activities:* None.

**DEPARTMENT OF THEORY AND PRACTICE IN TEACHER EDUCATION**

Student Learner Outcomes for the Special Education Major, BS in Education
1. Planning: Proposes appropriate curricular objectives based on State and/or Common Core Standards.
2. Instruction: Develops instructional activities that take into account students' strengths, interests, and needs to enable each student to advance and accelerate his/her learning.
3. Assessment: Combines formative and summative assessment as appropriate to support, verify, and document learning.
4. Uses current technologies to maximize content learning in varied contexts.
5. Learning Environments: Designs a safe, positive learning climate of openness, mutual respect, support, and inquiry.
6. (From InTASC Standard 2) Uses understanding of individual differences and diverse cultures and communities to promote inclusive learning and/or social environments that enable all individuals to meet high standards.
7. a-b (From InTASC Standard 10) Seeks appropriate roles and opportunities to take responsibility for well-being of individuals with disabilities, to collaborate with students, families, colleagues, school professionals, and community members to ensure individual learner growth, and to advance well-being of individuals with disabilities.

**(ASL) American Sign Language**

**ADD**

**ASL 311 Advanced American Sign Language I: Educational Contexts (3)**
This course emphasizes advanced expressive and receptive American Sign Language skills in an educational context. Review of grammatical structures.
*(RE) Prerequisite(s): ASL 212*

*Rationale:* In order to be successful, students in EDDE and EI majors need more advanced ASL skill development prior to teaching or interpreting methods courses and practicum. Adding ASL 311 would also provide non-majors with an advanced course option in the language, similar to other foreign languages taught on campus. *Impact on other units:* None. *Financial Impact:* The College added a lecturer position to TPTE in August 2015 to help address needs associated with increased demand for ASL courses and we continue to receive SIF funding for the lower level ASL courses. These resources allow the department to staff 311 without undue negative financial impact.
*Format and course location:* Lecture on campus.
*Learner outcomes supported by this change:* This change supports learner outcomes #5 and #6 in the SPEC ED BS program.
*Support for this change from assessment activities:* Faculty team members have discussed that students in the majors need greater ASL proficiency prior to methods courses and practicum. A survey of current students indicates that 15-20 would be interested in taking ASL 311 as a special topics course this spring. We anticipate just based on the numbers of EI and EDDE majors that we will have upwards of 20 students in following years.

**II. PROGRAM CHANGES**

**DEPARTMENT OF CHILD AND FAMILY STUDIES**

Student Learner Outcomes for the Child and Family Studies Major; BS in Health and Human Sciences:
1. Students will demonstrate an understanding and knowledge of child and adolescent development.
2. Students will demonstrate an understanding of contemporary family processes and transitions in the context of marriage and parenting.
3. Students in the Community Outreach track will demonstrate the ability to interact professionally and work effectively with children and families in diverse community contexts.
4. Students in the Teacher Licensure track will apply the knowledge and skills appropriate to practice in settings with young children.

**REVISE TEXT**

**Child and Family Studies Major, BS in Health and Human Sciences – Community Outreach Track**

**Program Policies and Progression Requirements**
The department's major is designed for students whose educational and career goals are focused on studying and working with children and families within educational programs, community services, and other professional settings. The major is designed to accommodate the special interests or strengths of students to allow ~~and~~ allows for flexibility and individualization. Students design a program of study in consultation with their advisor that includes a set ~~core~~ of required courses, a complement of ~~specialty~~ courses across five areas of emphasis that support ~~supportive of~~ individual interests, and a 12-hour practicum that will complete their program of study. All students graduating with a child and family studies major will have in-depth knowledge about children and families, a broad integrative perspective, and means for application. *(no new paragraph)* Students must complete a total of 27 credits from five conceptually organized Areas of Emphasis. ~~three specialty areas of nine credit hours each. Students wishing to emphasize one specialty area may satisfy two of their tree specialty areas by taking 18 credit hours in that area.~~ An Area of Emphasis course ~~A course may be counted in one specialty area only and~~ may not be used to fulfill any other elective requirement. This required program of coursework meets the current eligibility requirements ~~Students interested in applying~~ for certification as a "Certified Family Life Educator" (CFLE) ~~Family Life Educator~~ through the National Council on Family Relations' approved program mechanism ~~Relations must complete five courses from the Family Life Education specialty area – CFS 240, CFS 345, CRS 360, CFS 440, and COUN 480~~. Students interested in applying for provisional certification as a Family Life Educator are encouraged to

pursue the steps indicated at ncfr.org. ~~The courses are in addition to the Child and Family Studies core courses. Contact your advisor for specific information about becoming a Certified Family Life Educator through the department's approved program of study.~~

*Rationale:* Regarding the change from 9 credits in each of 3 "Specialty Areas" to 27 credits across the "Areas of Emphasis," with more foundational CFS courses, we thought we could offer students more flexibility in their choices of child- and family-related electives. Although students are free to select any 27 credits from the list, we have conceptually organized the courses to assist students and their advisors in selecting appropriate courses. Revision will also provide information for students interested in pursuing certification as a Family Life Educator through the National Council on Family Relations (NCFR), the requirements of which are met through the completion of our Community Outreach Track coursework. The new wording will direct students to the NCFR website for additional information. *Impact on other units:* None. *Financial Impact:* None.
*SLOs Supported:* SLO#3. *Assessment Activities:* These new requirements will make all CFS Community Outreach majors eligible for provisional credentialing as a Certified Family Life Educator (CFLE) through the National Council on Family Relations (NCFR). The university has indicated that credentialing within university majors is advantageous and is part of the Top 25 Initiative. Additionally, recommendations from our 10 Year Program Review suggested that we need to increase our undergraduate Student Credit Hours (SCH) and also need to provide more opportunities for graduate student teaching.

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Health and Human Sciences, Child and Family Studies Major – Community Outreach Track**

| | | |
|---|---|---|
| **Term 4** | | |
| Any HIST Elective | 3 | 2.5 cumulative GPA |
| CFS 213, CFS 240 | 6 ~~3~~ | CFS 211 |
| [4]Intermediate Foreign Language* | 3 | |
| [5]Area of Emphasis Elective ~~Specialty Area Elective~~ | 3 | |
| ~~[2]Unrestricted Elective~~ | ~~3~~ | |
| **Term 5** | | |
| CFS 320, CFS 385 | 6 ~~3~~ | Intermediate Foreign Language Elective* |
| [5]Area of Emphasis Elective ~~Specialty Area Elective~~ | 9 ~~12~~ | |
| **Term 6** | | |
| ~~[6]Advanced Social Sciences Elective~~ | ~~3~~ | Intermediate Foreign Language Sequence* |
| CFS 345, CFS 360, ~~CFS 385~~, CFS 395 | 6 ~~9~~ | Three courses ~~One course~~ from CFS 213, CFS 240, CFS 320, CFS 345, CFS 360, CFS 385, CFS 395 |
| [5]Area of Emphasis Elective ~~Specialty Area Elective~~ | 6 | |
| **Term 7** | | |
| ~~[6]Advanced Social Sciences Elective~~ | ~~6~~ | No milestones |
| ~~[6]~~ [7] CFS 405*, CFS 440 | 6 ~~3~~ | |
| [5]Area of Emphasis Elective ~~Specialty Area Elective~~ | 6 | |
| [2]Unrestricted Elective | 3 | |
| **Term 8** | | |
| ~~[6]Advanced Social Sciences Elective~~ | ~~3~~ | No milestones |
| [5]Area of Emphasis Elective | 3 | |
| ~~[7]~~ [8] CFS 470 or CFS 480 or CFS 490 | 12 | |
| [5]Areas of Emphasis: ~~Specialty Areas:~~ Students must complete a total of 27 credit hours from the list of interdisciplinary child and family related courses. ~~three specialty areas of ine credit hours each. Students wishing to emphasize one specialty area may satisfy two of their three specialty areas by taking 18 credit hours in that area.~~ A course may ~~be counted in one specialty area only and may~~ not be used to fulfill any other elective requirement. Check the Undergraduate Catalog for any prerequisites required for these courses. | | |
| ~~[6]A total of 12 hours selected from 300-400 level child and family studies courses or 300-400 level sociology, history, psychology, political science, anthropology, educational psychology, counselor education, or recreation and sports management courses.~~ | | |
| [6]Meets Communicating through Writing (WC) and Communicating Orally (OC) requirements. | | |
| ~~[7]~~ [8] CFS 470, CFS 480 and CFS 490 require a cumulative GPA of 2.5; completion of all prerequisites enforced by the registration system; a minimum grade of C in all child and family studies courses; completed application; student conduct and criminal background clearance. CFS 470 and CFS 480 must be completed in one semester. CFS 490 may be completed over several semesters. | | |

*Rationale:* Overall, we want to make four sets of changes as follows: (a) make CFS 240, CFS 345, CFS 360, and CFS 440 required for all CFS-CO students, (b) remove the departmental requirement of four Advanced Social Science Elective courses for all CFS-CO students, (c) change the requirement of 9 credits in each of 3 Specialty Areas to 27 credits from a list of child- and family-related courses that are conceptually organized into Areas of Emphasis, and (d) add and delete some courses and revise some "Area" titles from the prior Specialty Areas list to create the new Areas of Emphasis list. Regarding the removal of 4 Advanced Social Science Electives (ASSEs) and the new requirement that all CFS-CO students take CFS 240, CFS 345, CFS 360, and CFS 440, we believe it is important for our students to be exposed to more disciplinary content that in the prior program. Regarding the change from 9 credits in each of 3 "Specialty Areas" to 27 credits across the "Areas of Emphasis," with more foundational CFS courses, we thought we could offer students more flexibility in their choices of child- and family-related electives. Although students are free to select any 27 credits from the list, we have conceptually organized the courses to assist students and their advisors in selecting appropriate courses. We believe these changes will (a) improve the on-time graduation rate given the enhanced flexibility, (b) eliminate the

confusions for both students and advisors that were caused by DARS putting ASSEs and Specialization courses in the wrong sections, (c) reduce the need to set up in DARS, and then often change, individual Specialty Areas for each student, and (d) reduce the huge number of petitions that are currently processed to count a course in a different Specialty Area than the one in which it is listed. Lastly, regarding the revised content of the new Areas of Emphasis list, we removed courses that are no longer offered, added some additional related courses, and created a new Research Experiences area to support our goal of enhancing undergraduates' opportunities to learn about and participate in research. We considered all previous Specialty Area courses as well as all courses students had taken as Advanced Social Science Electives (ASSEs) over the past several years when we established the new Areas of Emphasis list. *Impact on other units:* May increase demand for COUN 480, although a large percentage of our majors already take that class. *Financial Impact:* Because changes go into effect in the Fall 2016 catalog and essentially only impact juniors and seniors, we have some transition time to increase the utilization of Graduate Teaching Assistants (GTA) at the 300-level, increase caps in some courses, develop a plan to implement majors-only sections or otherwise identify ways to "reserve" spots in required courses for our own majors, and gradually add other sections of the 4 newly required courses to our ongoing course rotation. Additionally, most of our students are already taking a couple of the 4 newly-required courses, and counting then toward a Specialty Area or and ASSE. So, we don't have to get all CFS-CO majors through 4 more CFS courses than we have been doing. We likely have to get them all through an additional two classes.
*Learning outcomes supported:* We believe these changes will result in an enhanced ability to achieve SLO #1 and SLO #2 for our CFS-CO students. *Support from assessment activities:* Our "test in the major" results that are used to evaluate SLO #1 and SLO #2 could be strengthened. Also, these new requirements (plus one particular Area of Emphasis course – COUN 480) will make all CFS Community Outreach majors eligible for provisional credentialing as a Certified Family Life Educator (CFLE) through the National Council on Family Relations (NCFR). The university has indicated that credentialing within university majors is advantageous and is part of the Top 25 Initiative. Additionally, recommendations from our 10 Year Program Review suggested that we need to increase our undergraduate Student Credit Hours (SCH) and also need to provide more opportunities for graduate student teaching.

**REVISE TEXT**
(Regarding the link for footnote 5)

**AREAS OF EMPHASIS ~~SPECIALTY AREAS:~~**

Courses in this section are grouped into Areas of Emphasis to aid students in considering their current interests and future goals when selecting coursework. ~~Specialty electives are grouped into specialty areas.~~ Students must complete a total of 27 credits from Areas of Emphasis list. ~~three specialty areas of nine credit hours each. Students wishing to emphasize one specialty area may satisfy two of their three specialty areas by taking 18 credit hours in that area.~~ A course ~~may be counted in one specialty area only and~~ may not be used to fulfill any other elective requirement. Check the ***Undergraduate Catalog*** for any prerequisites required for these courses.

**ADD OR DROP COURSES, AND/OR REVISE CATEGORY TITLE**

**Advanced Child Development**
- ~~AUSP 320 - Speech and Language Development~~
- PSYC 410 - Sensory Processes and Perception
- PSYC 432 - Childhood Psychopathologies
- PSYC 461 – Physiological Psychology
- PSYC 480 - Theories of Learning

**Child and Family Diversity**
- ANTH 313 – Peoples/Cultures/Mesoamerica
- ANTH 373 – Religions of Africa
- ANTH 421 – Refugee & Migrant Children
- CFS 460 – Directed Study in Child and Family Studies
- HIUS 325 - Women in American History
- HILA 256 – Intro to Latin American/Caribbean St.
- SPAN 331 – Introduction to Hispanic Culture
- PSYC 415 – Psychology of Religion
- PSYC 434 – Psychology of Gender
- PSYC 435 – Multicultural Psychology
- REST 353 – Religion/Race/Ethnicity in North America
- SOCI 232 – Religions in Global Perspective
- SOCI 345 – Social Movements
- SOCI 375 – Gender in Society
- SOCI 453 – Gender and Crime
- WOST 340 - Women, Politics, and the Law
- WOST 375 - Gender in Society
- WOST 484 – African American Women/American Society

**Families in Community Context ~~Children and Families at Risk/Community Services~~**
- CMST 240 – Business/Professional Communication
- POLS 330 – Law in American Society
- PSYC 432 – Childhood Psychopathologies

- PSYC 489 – Supervised Research
- PUBH 315 – Health of Adolescents
- PUBH 330 – Emergency Management
- PUBH 350 – Public Health Aspects of Gerontology
- PUBH 401 – Global Health
- PUBH 420 – Environmental Public Health
- RSM 226 – Therapeutic Rec Program I
- RSM 325 – Therapeutic Recreation/Lifestyle Planning
- RSM 326 – Therapeutic Rec Program II
- RSM 424 – Recreation and Aging
- SOCI 321 – Sociological Theory
- SOCI 331 – Sociological Research
- SOCI 342 – Globalization and Justice
- SOCI 350 – Criminology
- SOCI 360 – Environment and Resources
- SOCI 451 – Criminal Justice
- ~~SPED 470 – Psychology of the Exceptional Child~~

**Family Life Education**

- ~~CFS 240 – Human Sexuality~~
- ~~CFS 345 – Family Resource Management~~
- ~~CFS 360 – Family Stress~~
- ~~CFS 440 – Family Life and Parent Education~~
- PSYC 314 – Cognitive Basis of Behavior
- PSYC 433 – Theories of Counseling Psychology
- PSYC 436 – Positive Psychology
- PHIL 345 – Bioethics
- SOCI 310 – American Society
- SOCI 311 – Family

**Children and Learning** ~~**Working with Children**~~

- AUSP 320 – Speech & Language Development
- EDPY 210 – Psychoeducational Issues in Human Development (satisfies gen-ed)
- SPED 402 – Professional Studies: Special Education and Diverse Learners

**Research Experience**

- CFS 481 – Research in Child and Family Studies
- PYSC 385 – Statistics in Psychology
- PSYC 399 – Supervised Research and Field Work
- PSYC 489 – Supervised Research
- SOCI 331 – Sociological Research
- SOCI 493 – Independent Study

*Rationale:* Regarding the removal of 4 Advanced Social Science Electives (ASSEs) and the new requirement that all CFS-CO students take CFS 240, CFS 345, CFS 360, and CFS 440, we believe it is important for our students to be exposed to more disciplinary content that in the prior program. Regarding the change from 9 credits in each of 3 "Specialty Areas" to 27 credits across the "Areas of Emphasis," with more foundational CFS courses, we thought we could offer students more flexibility in their choices of child- and family-related electives. Although students are free to select any 27 credits from the list, we have conceptually organized the courses to assist students and their advisors in selecting appropriate courses. We believe these changes will (a) improve the on-time graduation rate given the enhanced flexibility, (b) eliminate the confusions for both students and advisors that were caused by DARS putting ASSEs and Specialization courses in the wrong sections, (c) reduce the need to set up in DARS, and then often change, individual Specialty Areas for each student, and (d) reduce the huge number of petitions that are currently processed to count a course in a different Specialty Area than the one in which it is listed. Lastly, regarding the revised content of the new Areas of Emphasis list, we removed courses that are no longer offered, added some additional related courses, and created a new Research Experiences area to support our goal of enhancing undergraduates' opportunities to learn about and participate in research. We considered all previous Specialty Area courses as well as all courses students had taken as Advanced Social Science Electives (ASSEs) over the past several years when we established the new Areas of Emphasis list. *Impact on other units:* May increase demand for COUN 480, although a large percentage of our majors already take that class. *Financial Impact:* Because changes go into effect in the Fall 2016 catalog and essentially only impact juniors and seniors, we have some transition time to increase the utilization of Graduate Teaching Assistants (GTA) at the 300-level, increase caps in some courses, develop a plan to implement majors-only sections or otherwise identify ways to "reserve" spots in required courses for our own majors, and gradually add other sections of the 4 newly required courses to our ongoing course rotation. Additionally, most of our students are already taking a couple of the 4 newly-required courses, and counting then toward a Specialty Area or and ASSE. So, we don't have to get all CFS-CO majors through 4 more CFS courses than we have been doing. We likely have to get them all through an additional two classes.
*Learning outcomes supported:* We believe these changes will result in an enhanced ability to achieve SLO #1 and SLO #2 for our CFS-CO students. *Support from assessment activities:* Our "test in the major" results that are used to evaluate SLO #1 and SLO #2 could be strengthened. Also, these new requirements will make all CFS Community Outreach majors eligible for provisional

credentialing as a Certified Family Life Educator (CFLE) through the National Council on Family Relations (NCFR). The university has indicated that credentialing within university majors is advantageous and is part of the Top 25 Initiative. Additionally, recommendations from our 10 Year Program Review suggested that we need to increase our undergraduate Student Credit Hours (SCH) and also need to provide more opportunities for graduate student teaching.

**REVISE REQUIREMENTS**

Child and Family Studies Minor
Minor Requirements

**Select 12 hours from:**

- ~~CFS 440 – Family Life and Parent Education~~
- CFS 460 – Directed Study in Child and Family Studies
- CFS 481 – Research in CFS

*Rationale:* We are removing CFS 440 from the list of options for minors because we are making it a majors only course. We are adding CFS 460 to the list of options because we have used, and plan to use, that course number for our Study Abroad courses, and we believe students should be able to count that toward their CFS minor. We are adding CFS 481 to the list of options for the minor because we are increasingly using that course number to involve students in undergraduate research opportunities and we have typically processed substitutions for it to count toward the Minor. *Impact on other units:* None. *Financial Impact:* None. *Learning outcomes supported:* Since our SLOs are designed for our majors, none. *Support from assessment activities:* These changes may encourage CFS minors to become involved in international activities and undergraduate research, both of which have been prioritized at UT.

**DEPARTMENT OF KINESIOLOGY, RECREATION, AND SPORT STUDIES DEPARTMENT**

Student Learner Outcomes for the Recreation and Sport Management Concentration, BS in Education
1. Students will apply sport management and therapeutic recreation principles in professional settings.
2. Students will understand the foundational knowledge and skills needed in the sport management and therapeutic recreation professions.
3. Students will demonstrate capacity for critical thinking.

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Education – Kinesiology Major**

[6] Select courses from ACCT 200; ANTH 480; any BCMB course; BIOL 101*, BIOL 102*, BIOL 150*, BIOL 160*, BIOL 159*, BIOL 220, BIOL 229, BIOL 240, BIOL 260, BIOL 269; CFS 210*; CHEM 350, CHEM 358, CHEM 360, CHEM 368, CHEM 369; CLAS 273; COSC 100*; ECON 201*; EEB 240; FINC 300; KNS 231, KNS 290, KNS 334, KNS 335, KNS 365, KNS 370, KNS 380, KNS 426, KNS 440, KNS 450, KNS 485, KNS 490, KNS 493, KNS 497; MARK 300; MGT 201, MGT 300; MICR 210*; NURS 201, NURS 351; NUTR 302; PHIL 244*, PHIL 252*; PSYC 220, PSYC 300, PSYC 301, PSYC 310, PSYC 320, PSYC 330, PSYC 360, PSYC 382, PSYC 400, PSYC 410, PSYC 430, PSYC 431, PSYC 434, PSYC 435, PSYC 440, PSYC 461, PSYC 470, PSYC 475, PSYC 480, PSYC 482, PSYC 496;PUBH 201, PUBH 202, PUBH 311, PUBH 315, PUBH 350, PUBH 401; RSM 226, RSM 326, RSM 335, RSM 336, RSM 337, RSM 338, RSM 370, RSM 405, ~~RSM 406,~~ RSM 415, RSM 424, RSM 426, RSM 450; STAT 201*. Professional electives must be passed with a minimum grade of "C." Other courses not listed here may be petitioned to count as kinesiology professional electives with approval of the assigned kinesiology faculty advisor. Check with advisor prior to taking the course. Courses selected as professional electives cannot be used to fulfill additional requirements in the program.

*Rationale:* Department is dropping RSM 406 from their curriculum and the course will no longer be available to students. RSM 405 will be repeatable, instead. *Impact on other units:* None. *Financial impact:* None.
*Learning outcomes supported:* Student Learner Outcomes 1 and 3.

**Requirements for the Bachelor of Science in Education, Recreation and Sport Management Major – Therapeutic Recreation Concentration**

| **Term 5** | | |
|---|---|---|
| [2]Arts and Humanities Elective* | 3 | PSYC 110* |
| [2]Cultures and Civilizations Elective* | 3 | |
| KNS 332 or EEB 240 | 3-4 | |
| [4]Unrestrictive Elective ~~[5]Professional Support Course Elective~~ | 3 | |
| PSYC 330 | 3 | |

*Rationale:* Allows more flexibility for electives. *Impact on other units:* None. *Financial impact:* None.
*Learner outcomes supported:* None.
*Assessment activates leading to change:* Department recognized need to allow students more flexibility by changing Professional Support Course Elective in term 5 to an unrestrictive elective.

**DEPARTMENT OF NUTRITION**

Student Learner Outcomes for the BS in Nutrition

1. Upon completing the program, students who apply for dietetic internship programs will attain placement in a dietetic internship program.
2. Upon completing the program the students who apply will attain placement in a graduate or non-dietetics health professional program.
3. Upon completing the program, the student will demonstrate the ability to understand, interpret, and apply the science of nutrition in individual, clinical, and community settings.
4. Upon completing the program the student will be able to apply critical thinking skills to solve problems.

**REVISE TEXT**

**Nutrition Major, BS in Health and Human Sciences – Basic Science Concentration**

Requirements for Transition to Upper Division ~~Progression and Retention Requirements (for students not following uTrack requirements)~~

Students who have completed 45 hours of coursework and are on track to enter term 5 of the Basic Science Concentration curriculum must complete orientation followed by an application for transition to upper division courses and faculty advisor assignment. ~~Progression in the nutrition major, regardless of concentration, requires a minimum undergraduate UT cumulative GPA of 3.0 after a minimum 45 hours of undergraduate coursework and completion of CHEM 120*, CHEM 130*, BCMB 230, and NUTR 100* with a grade of C or higher.~~ Applications are due February 1 and August 1 and are available on the CEHHS Office of Student Services ~~departmental~~ website http://ehhsstudentservices.utk.edu/. Students must follow the curriculum and complete the prerequisite requirements on schedule in order to complete the degree program on time. Missed prerequisites may delay graduation by at least one year. In order to graduate with a major in nutrition, regardless of concentration, students must earn a grade of C or better in every required nutrition course plus in prerequisite courses where noted. ~~Transfer cumulative GPA will be used for new transfer students. If all courses are not yet completed, provisional admission may be offered contingent upon successfully meeting course requirements prior to start of the fall semester.~~

~~Students admitted to the Nutrition major, with a Basic Science Concentration, must enroll in NUTR 311 in the fall semester in order to remain in the program. Students admitted to the Nutrition major, regardless of concentration, must enroll in NUTR 313 and NUTR 314 in the subsequent spring semester in order to remain in the program. If a student earns a grade of less than C in a nutrition course, he/she will be dropped from the program and must reapply. In order to graduate with a major in nutrition, regardless of concentration, students must earn a grade of C or better in every required nutrition course.~~

*Rationale:* This proposed change removes language referring to activities which no longer occur. *Impact on other units:* None. *Financial impact:* None.
*Learning Outcomes supported:* This does not support a specific SLO, but further clarifies requirements for successful completion of a Nutrition degree. *Support from assessment activities:* A recent review by Nutrition faculty raised awareness of outdated language.

**Nutrition Major, BS in Health and Human Sciences – Dietetics Concentration**

The Nutrition major is designed for students interested in basic and applied sciences, and students are able to pursue one of two concentrations: the Dietetics Concentration or the Basic Science Concentration. The Dietetics Concentration of the Nutrition Major is accredited as a Didactic Program in Dietetics (DPD) by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 S. Riverside Plaza, Chicago, Illinois 60606-6995, (312) 899-0040, url http://www.eatright.org/ACEND. As such, graduates are eligible to apply for ACEND- accredited dietetic internship programs. Completion of a dietetic internship is required after the DPD in order to take the Registration Examination and become a Registered Dietitian (RD)/Registered Dietitian Nutritionist (RDN) and become an active member of the Academy of Nutrition and Dietetics. RDs or RDNs are food and nutrition professionals who unite the science of nutrition with application of nutrition principles to improve health through interventions, including education and counseling, at the community and individual levels or by addressing nutritional aspects of medical problems in clinical practice. Many work in acute care hospitals, long-term care, and medical offices as members of the health care team or in community-based settings. Growing areas of practice include sports nutrition, corporate wellness, journalism, and the food and nutrition industry. Students may receive more information from the department about RD/RDN requirements. Students completing this concentration may also choose to pursue graduate study or complete additional prerequisite requirements for health professional programs outside of nutrition and dietetics.

**Requirements for Transition to Upper Division** ~~**Progression and Retention Requirements for Students not Following uTrack Requirements**~~

Students who have completed 45 hours of coursework and are on track to enter term 5 of the Dietetics Concentration curriculum must complete orientation followed by an application for transition to upper division course and faculty advisor assignment. ~~Progression in the nutrition major, regardless of concentration, requires a minimum undergraduate UT cumulative GPA of 3.0 after a minimum 45 hours of undergraduate coursework and completion of CHEM 120*-CHEM 130*, BCMB 230, and NUTR 100* with a grade of C or higher.~~ Applications are due February 1 and August 1 and are available on the CEHHS Office of Student Services ~~departmental~~ website http://ehhsstudentservices.utk.edu/. Students must follow the curriculum and complete the prerequisite requirements on schedule in order to complete the degree program on time. Missed prerequisites may delay graduation by at least one year. In order to graduate with a major in nutrition, regardless of concentration, students must earn a grade of C or better in every required nutrition course plus in prerequisite courses where noted. ~~Transfer cumulative GPA will be used for new transfer students. If all courses are not yet completed, provisional admission may be offered contingent upon successfully meeting course requirements prior to start of the fall semester.~~

~~Students admitted to the Nutrition major, with a Dietetics Concentration, must enroll in NUTR 311 and should enroll in HRT 210 in the fall semester in order to remain in the program. Students admitted to the Nutrition major, regardless of concentration, must enroll in NUTR 313 and NUTR 314 in the subsequent spring semester in order to remain in the program. If a student earns a grade of less than C in a nutrition course, he/she will be dropped from the program and must reapply. In order to graduate with a major in nutrition, regardless of concentration, students must earn a grade of C or better in every required nutrition course.~~

*Rationale:* This proposed change removes language referring to activities which no longer occur. *Impact on other units:* None. *Financial impact:* None.
*Learning Outcomes supported:* This does not support a specific SLO, but further clarifies requirements for successful completion of a Nutrition degree. *Support from assessment activities:* A recent review by Nutrition faculty raised awareness of outdated language.

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Health and Human Sciences, Nutrition Major – Dietetics Concentration**

| | | |
|---|---|---|
| **Term 7** | | |
| [4]NUTR 303, [4]NUTR 410, [4]NUTR 412, [4]NUTR 413, [4]NUTR 415, [4]NUTR 421, ~~[4]NUTR 422~~ | 12 | No milestones |
| [1]Unrestricted Elective | 3 | |
| **Term 8** | | |
| [2]Arts and Humanities Elective* | 3 | No milestones |
| [4]NUTR 416, [4]NUTR 420, [4]NUTR 422 ~~[4]NUTR 423~~ | 8 ~~7~~ | |
| [1]Unrestricted Electives | 4 ~~5~~ | |

*Rationale:* Incorporates new courses and revisions into our curriculum. In term 8, we are also removing 1 hour of unrestricted electives to balance out the additional hour added when we replaced NUTR 423 with 422. Total hours will not change. *Impact on other units:* None. *Financial impact:* None.
*Learning Outcomes supported:* SLO#3 and 4. *Support from assessment activities:* Recent review by the course instructor and the program director revealed the need for developing specific concepts concurrent with enrollment in NUTR 415 and prior to enrollment in NUTR 416 and NUTR 422 in order to effectively apply nutrition knowledge. We are revising the curriculum to incorporate these new classes, which we believe will provide for a better experience for our students and the community.

**REVISE REQUIREMENTS**

**Nutrition Minor**

**Minor Requirements**
The minor consists of 16 hours. All course prerequisites are required, with a C or better required for BCMB 230 and a C- or better in CHEM 350. A student must earn a grade of C or better in each NUTR course to successfully complete the requirements for this minor.

*Rationale:* This proposed change brings the language for the minor into alignment with that of the major. *Impact on other units:* None. *Financial impact:* None.
*Learning Outcomes supported:* This does not support a specific SLO, but further clarifies requirements for successful completion of a Nutrition minor. *Support from assessment activities:* None.

**DEPARTMENT OF RETAIL, HOSPITALITY, AND TOURISM MANAGEMENT**

Student Learner Outcomes for the BS in Hotel, Restaurant, and Tourism Management Major
1. Demonstrate knowledge, skills, and abilities to manage a hospitality and tourism business.
2. Demonstrate a level of critical thinking skills relative to problem solving and decision making as applied to the hospitality industry.
3. Effectively communicate knowledge, interpretations, and arguments in writing and in formal oral presentations.

Student Learner Outcomes for the BS in Retail & Consumer Science Major
1. Demonstrate the fundamental knowledge and skills necessary for success in the retail industry.
2. Demonstrate a level of critical thinking skills relative to problem solving and decision making as applied to the retail industry.
3. Effectively communicate knowledge, interpretations and arguments in writing and in formal oral presentations

**(HRT) Hotel, Restaurant, and Tourism Management**

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Retail, Hospitality, and Tourism Management – Hotel, Restaurant, and Tourism Major**

| |
|---|
| [5]Choose from HRT 101, HRT 299, ~~HRT 330,~~ HRT 423, HRT 435, HRT 440, HRT 445, HRT 450, HRT 455, HRT 484, HRT 493, HRT 494; RCS 411. |

*Rationale:* This reflects the two changes above of dropping HRT 330, and adding HRT 299. They are both HRT electives, so the changes do not need to be reflected anywhere else. *Impact on Other Units:* None. *Financial Impact:* None.

*Assessment Activities:* None. *Student Learner Outcomes:* None.

**Requirements for the Bachelor of Science in Retail, Hospitality, and Tourism Management – Retail and Consumer Sciences Major**

| |
|---|
| [5]Select 12 hours from RCS 225, RCS 320, RCS 411, RCS 425, RCS 435, RCS 441, RCS 480, RCS 484, RCS 493, RCS 495, RCS 497; HRT 425.<br>Recommended Elective for specialized career interests:<br>Fashion Business: RCS 225, RCS 411, RCS 425, RCS 435, RCS 480.<br>Product Development/Design: RCS 225, RCS 320, RCS 441, RCS 480.<br>Retail Analytics/Technology: RCS 425, RCS 435, RCS 441. |

*Rational:* Directs students to RCS elective courses that are most beneficial for specific career objectives. *Impact on Other Units:* No impact on other academic units. *Financial Impact:* No financial impact.
*Learner outcomes supported:* None. *Support from assessment activities:* Student Services and faculty desire to make students more aware of career options with RCS major. *Assessment activities:* None.

**DEPARTMENT OF THEORY AND PRACTICE IN TEACHER EDUCATION (Undergraduate)**

Student Learner Outcomes for the Special Education Major, BS in Education
1. Planning: Proposes appropriate curricular objectives based on State and/or Common Core Standards.
2. Instruction: Develops instructional activities that take into account students' strengths, interests, and needs to enable each student to advance and accelerate his/her learning.
3. Assessment: Combines formative and summative assessment as appropriate to support, verify, and document learning.
4. Uses current technologies to maximize content learning in varied contexts.
5. Learning Environments: Designs a safe, positive learning climate of openness, mutual respect, support, and inquiry.
6. (From InTASC Standard 2) Uses understanding of individual differences and diverse cultures and communities to promote inclusive learning and/or social environments that enable all individuals to meet high standards.
7. a-b (From InTASC Standard 10) Seeks appropriate roles and opportunities to take responsibility for well-being of individuals with disabilities, to collaborate with students, families, colleagues, school professionals, and community members to ensure individual learner growth, and to advance well-being of individuals with disabilities.

**(EDDE) Education of the Deaf and Hard of Hearing**

**REVISE REQUIREMENTS**

**Special Education Major, BS in Education – Education of the Deaf and Hard of Hearing Concentration**

In the 2016-2017 Undergraduate Catalog, revise progression requirements, terms 4,5,6,8, post-baccalaureate professional year, footnotes, professional electives and remove the reference to the middle grades licensure in the Special Education Major, BS in Education – Education of the Deaf and Hard of Hearing Concentration so that it reads as follows:

**Progression Requirements**
Progression to the EDDE concentration requires a 2.7 cumulative GPA after a minimum of 45 semester credits and completion of a successful interview and admission into teacher education. Students admitted to the program must maintain a cumulative GPA of 2.7 while in the program. Students must earn a grade of B or better in ASL 111, ~~and~~ 112, 211, 212, and 311, and a C or better in all teacher education and major courses. Students with less than a 2.7 GPA for two consecutive semesters will be dropped from the program. Students who fail to meet the standards for professional conduct during the course of their fieldwork will not be retained in the major.

**Requirements for the Bachelor of Science in Education, Special Education Major - Education of the Deaf and Hard of Hearing Concentration**

| | | |
|---|---|---|
| **Term 4[9]** | | |
| ASL 212* | 3 | ASL 112 |
| EDDE 425 | 3 | |
| PHIL 252* | 3 | |
| [5]Physical Science Electives* | 3-4 | |
| [6]Unrestricted Elective | 2 ~~1~~ | |
| **Term 5** | | |
| ASL 311 | 3 | ASL 211* |
| AUSP 303 | 3 | |
| EDDE 310 | 3 | |
| [7]Professional Electives | 3 ~~6~~ | |
| [6]Unrestricted Elective | 3 | |
| **Term 6** | | |
| EDDE 419 | 3 ~~4~~ | ASL 212* |
| [8]Educational Methods | 6 | |
| SPED 402 | 3 | |
| [10]REED 430 or REED 461 or REED 543 | 3 | |
| **Term 8** | | |

| | | |
|---|---|---|
| ASL 435 ~~AUSP 494~~ | 3 | No milestones |
| EDDE 410, EDDE 416 | 6 | |
| [7]Professional Elective | 3 | |
| [6]Unrestricted Elective or [7]Professional Elective ~~ASL 435~~ | 3 | |
| [7]PROFESSIONAL ELECTIVES: See list below for course options. (Note: Program coursework will allow students to obtain a deaf education license, K-12. Students will also choose general education licensure in elementary~~, middle grades~~ or secondary education. Professional elective options vary by level of licensure.) Students will choose at least 12 credits in one content area or collateral area. Three additional credits can be in the selected area or a different content or collateral area. | | |
| [8]Educational Methods: Students must select the appropriate methods courses that meet the requirements for elementary~~, middle grades~~ or secondary licensure. See advisor. ELED 422; ENED 459, ENED 460, ENED 507, ENED 508, ENED 509, ENED 543, ENED 590; MEDU 485, MEDU 543; REED 461, REED 540, REED 543; SCED 496, ~~SCED 531,~~ SCED 543, SCED 565, SCED 596; SSCE 454, SSCE 543; TPTE 543. | | |

**Professional Electives**

~~Middle Grades License~~

~~Students obtaining a middle grades 4-8 license in general education will choose 12 upper division (300-400) credits from a middle grades education content area. Content areas include:~~

- ~~**English** - Choose courses from the English department.~~
- ~~**Mathematics** - Choose courses from the mathematics department.~~
- ~~**Science** - Choose courses from the departments of biology, chemistry, earth and planetary sciences, and physics and astronomy.~~
- ~~**Social Science** - Choose courses from the departments of history, geography, political science, and economics.~~

**Elementary License**

- Audiology and Speech Pathology - AUSP 300, AUSP 302, AUSP 305, AUSP 306, AUSP 435, AUSP 494.
- Educational Interpreting – ASL 421, EI 335, EI 340, EI 350, EI 355.
- English as a Second Language – ENGL 471, ENGL 474, ENGL 476, ENGL 477; WLEL 466, WLEL 476, WLEL 489.
- Reading and Language Arts - ~~INSC 330;~~ ELED 528, ELED 550; ENED 460; INSC 330; REED 430; REED 461, REED 519, REED 529, REED 530, REED 536, REED 537, REED 538, REED 539, REED 540, REED 543.

*Rationale* for minimum grade requirement: previously only ASL 111, 112. Students who receive lower grades in the language courses are not progressing as needed in their ASL skill development and are at high risk of not obtaining an intermediate level on the SLPI. The rationale for the revised wording of second sentence under post-baccalaureate year: the current wording allows students to continue in the program and receive licensure by requesting listening and spoken language internships that require no signing. The EDDE program at UT is a comprehensive program (inclusive of sign communication) and is seen by the community as such. Currently, there is nothing to prevent students from getting a teaching license from UT's comprehensive deaf education program even though they do not have the minimum requisite proficiency in ASL to work with signing deaf children. Rationale for removing middle grades license option: middle school licensure as we knew it has changed at the state level. There is a new science or math 6-8 license but we do not know add-on requirements at this time. We are removing the middle grades license option until further notice. Rationale for adding ENED460 and SCED531 to methods options: petitions are routinely given for these classes to serve as methods requirements. Rationale for adding ASL 421 to Ed. Interpreting collateral: ASL 421 was recently added to the catalog and fits nicely in this collateral area, giving students another course option. Currently there are only 12 credits offered in this collateral area. Rationale for adding ENGL 471 to English as a Second Language collateral area under elementary license: ENGL 471 is a required course for the ESL adds on endorsement, so we are also choosing to add it to our ESL collateral area. That way, students choosing ESL as their collateral area also have the ability to work toward additional licensure in that area. Rationale for adding ENED 460 and REED 430 to Reading and Language Arts collateral area under elementary license: There are very few students who have chosen reading and language arts as their collateral area because of having few undergraduate course options. These additions will help. Rationale for change to AUSP 494: Students are receiving similar content in EDDE 419. Rationale for reducing EDDE 419 from 4 credits to 3 credits and increasing unrestricted elective in term 4 to 2 credits: there has been difficulty lining up auditory training and speech development practicum opportunities. The clinical practicum has been removed and students will instead make a specified number of observations. Rationale for adding ASL 311 to program in term 5 and moving one professional elective to term 8: in order to be successful, students in EDDE and EI majors need more advanced ASL skill development prior to teaching or interpreting methods courses and practicum. Adding ASL 311 would also provide non-majors with an advanced course option in the language, similar to other foreign languages taught on campus. Rationale for changing one professional elective in term 8 to "unrestricted elective or professional elective:" only 12 credits are required for the professional elective; however we currently have 15 credits specified in the tables by term. *Impact on other units:* None. *Financial impact:* None. *Learner outcomes supported by this change:* Adding ASL 311 supports outcomes #5 and #6. *Support for this change from assessment activities:* The deaf focus team has been engaged in strategic planning for our ASL, EDDE and EI programs. Faculty team members, for example, have discussed that students in the majors need greater ASL proficiency prior to methods courses and practicum, and before taking their SLPIs. Regarding ASL 311, a survey of current students indicates that 15-20 would be interested in taking the course as a special topics this spring. We anticipate just based on the numbers of EI and EDDE majors that we will have upwards of 20 students in following years.

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Education, Special Education Major – Educational Interpreting Concentration**
In the 2015-2016 Undergraduate Catalog, revise terms 5,6, and 8 in the Special Education Major, BS in Education – Educational Interpreting Concentration as follows:

| | | |
|---|---|---|
| **Term 5**[4] | | |
| ASL 211* | 3 | ASL 211* |
| PSYC 300 [3]~~Unrestricted Elective~~ | 3 | EI 335 |
| EDPY 210* | 3 | |
| EI 335, EI 340 | 6 | |
| **Term 6** | | |
| ASL 212*, ASL 435 | 6 ~~3~~ | ASL 212* |
| EDPY 401 | 3 | |
| EI 350 | 3 | |
| ~~PSYC 300~~ | ~~3~~ | |
| ETEC 486 | 3 | |
| **Term 7** | | |
| ASL 311 ~~ASL 435~~ | 3 | No milestones |
| EDDE 415, EDDE 425 | 6 | |
| EI 345, EI 355 | 7 | |
| **Term 8** | | |
| [3]Unrestricted Elective | 3 | No milestones |
| EDDE 416 | 3 | |
| EI 440 | 6 | |
| SPED 402 or SPED 470 | 3 | |

*Rationale:* We are adding SPED 470 as an additional option as it is geared more toward non-teaching majors. We have removed one unrestricted elective in or to add ASL 311. In order to be successful, students in EDDE and EI majors need more advanced ASL skill development prior to teaching or interpreting methods courses and practicum. Adding ASL 311 would also provide non-majors with an advanced course option in the language, similar to other foreign languages taught on campus. *Impact on other units:* None. *Financial impact:* None.
*Learner outcomes supported by this change:* Adding ASL 311 supports outcomes #5 and #6. *Support for this change from assessment activities:* The deaf focus team has been engaged in strategic planning for our ASL, EDDE and EI programs. Faculty team members, for example, have discussed that students in the majors need greater ASL proficiency prior to methods courses and practicum, and before taking their SLPIs. Regarding ASL 311, a survey of current students indicates that 15-20 would be interested in taking the course as a special topics course this spring. We anticipate just based on the numbers of EI and EDDE majors that we will have upwards of 20 students in following years.

**COLLEGE OF ENGINEERING**
**All changes effective fall 2016**

**I.COURSE CHANGES**

**DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING**
**(CE) Civil Engineering**

Program Learning Outcomes for the B.S. in Civil Engineering:
1. An ability to identify, analyze and solve problems by applying knowledge of mathematics, science, and engineering.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. An ability to design civil engineering systems, components, or processes to meet desired needs.
4. An ability to function on multidisciplinary teams.
5. An understanding of professional and ethical responsibility.
6. A recognition of the need for, and an ability to engage in life-long learning.
7. An ability to communicate effectively.
8. Knowledge of contemporary issues pertinent to civil engineering for understanding the impact of professional solutions on society and the environment at both the local and global levels.

**ADD**

**CE 495 Hydrology (3)** The hydrologic cycle and key physical processes defined. i.e., precipitation, evaporation and transpiration, runoff, infiltration and groundwater. Concepts introduced include unit hydrograph, statistics, design storms, and flow routing fundamentals. Tools for hydrological measurement, data acquisition, analysis and interpretation; and applications for water resources management are discussed.
*(RE) Prerequisite(s): CE391.*

**CE 498 Honors Hydrology (3)** The hydrologic cycle and key physical processes defined. i.e., precipitation, evaporation and transpiration, runoff, infiltration and groundwater. Concepts introduced include unit hydrograph, statistics, design storms, and flow routing fundamentals. Tools for hydrological measurement, data acquisition, analysis and interpretation; and applications for water resources management are discussed. Honors will include computational modeling assignments.
*Prerequisite(s): CE391.*

*Rationale:* We propose to add two undergraduate and graduate courses to water resources engineering curriculum. At the undergraduate-level, the change is per student course (SAIS) evaluations for CE391, in which during the curriculum change combined two previously required courses, CE390 Hydraulics and CE485 Hydrology into one course CE391 Water Resources

Engineering I. SAIS written forms per instructor documents that the current material in CE391 is too much for a 3 hr course, so with the new CE495 and the existing CE 494 (Water Resources Engineering II) modified course materials, the two courses will contain the necessary engineering material for an ABET accredited program. The proposed changes are necessary to address current student needs, offer more technical courses for undergraduate/graduate students, and align courses with faculty areas of expertise and interest. *Impact on other units:* No negative impact. Some of the proposed courses might be of interest for graduate students from other colleges. *Financial impact:* No additional human resources (faculty members) are needed to cover teaching the proposed courses.
*Assessment(s):* These 495 and 498 courses support Program Learning Outcome 3. *Support from assessment activities:* From faculty discussions AY 14-15. *Assessment to be completed:* Fall 2016. The proposed changes are necessary to address current student needs.

**DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE**
**(ECE) Electrical and Computer Engineering**

Program Learning Outcomes for the B.S. in Electrical Engineering:
1. Students will apply knowledge of mathematics, science, and electrical engineering
2. Students will design and conduct electrical engineering experiments, as well as analyze and interpret data
3. Students will design systems, components, or processes to meet desired needs within realistic constraints
4. Students will identify, formulate, and solve electrical engineering problems
5. Students will use the techniques, skills, and modern engineering tools necessary for electrical engineering practice

**ADD**

**ECE 411 Linear Systems Theory (3)** Fundamentals of linear systems theory from a state space perspective, controllability and observability, full state feedback, output feedback, and optimal control.
*(RE) Prerequisite(s): Math 251 or equivalent.*

*Rationale:* There is a need to further expand the offering of control courses to our students. This is provided by cross-listing our courses with Mechanical Engineering control courses. As an undergraduate version of our current graduate level Control course: ECE 511, ECE 411 will be offered to undergraduate students that need Control courses throughout the college, and more specifically in the Mechanical Engineering programs. The plan is to have other Mechanical Engineering Control courses to cross-list for EECS undergraduate students in the future. A new faculty member has joined our department and will provide additional assistance. *Impact on other academic units:* None. *Financial impact:* None.
*Assessment:* Learning outcome supports: (1) and (4). *Support from assessment activities:* From faculty discussions AY 14-15. To support the need for Control courses throughout the College.

**DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING**
**(IE) Industrial Engineering**

Program Learning Outcomes for the B.S. in Industrial Engineering:
1. Ability to formulate engineering problems and design solutions
2. Ability to design and conduct experiments, analyze data, and interpret results
3. Ability to function and communicate effectively as teams
4. Ability to practice engineering in a global economy

**ADD**

**IE 451 Creative Technical Problem Solving (3)** This course introduces creative technical thinking principles for problem solving to address larger challenges that create value for organizations and society. Thinking methods covered include ideality, functional analysis, nine windows of a system, migration to the system, 5 whys, cause and effect chains, separation principles, technical contradictions and S-curve analysis.
*Registration Restriction(s): Junior standing in engineering or junior standing in the Haslam College of Business.*

*Rationale:* Engineers are taught a myriad of techniques (calculus, statics, dynamics, physics, statistics, etc.) to solve closed-ended technical problems, but in an increasingly complex world, open-ended, cross-disciplinary problems are the norm. Entrepreneurship students from any discipline are functioning in a more technical world today than ever before. This course encourages all students to use critical thinking methods to address complex, open-ended problems using a number of proven thought processes. It will serve as a collaborative bridge to non-engineering entrepreneurship students to develop the engineering problem solving thought process. *Impact on other academic units:* The course will serve as a technical elective in the ISE curriculum and as an elective in the University-wide Entrepreneurship Minor. This dual enrollment will impact the collaboration within these two academic units by encouraging interaction between the students in these fields. No adverse impacts are envisioned. *Financial impact:* None.
*Assessment:* This course supports Program Learning Outcome: 1, 3. *Support from assessment activities:* From faculty discussions AY 14-15. This course is needed to promote collaboration between two academic units: College of Engineering and Haslam College of Business.

**DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING**
**(MSE) Materials Science and Engineering**

Program Learning Outcomes for the B.S. in Materials Science and Engineering:
1. Student demonstrates ability to apply knowledge of mathematics, science, and engineering

2. Student demonstrates ability to design and conduct experiments, as well as to analyze and interpret data
3. Student demonstrates ability to function on multidisciplinary teams
4. Student demonstrates ability to identify, formulate, and solve engineering problems
5. Student demonstrates ability to communicate effectively both in written and oral form
6. Student demonstrates ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

**ADD**

**MSE 207 Honors Introduction to Materials Science and Engineering (3)** Exploration of case studies to discover correlations between processing (physical and chemical), structure (atomic, molecular, crystal, and microstructure) and properties (physical, mechanical, and chemical) of engineering materials. Creation of written documents and oral presentations that describe and explain discoveries.
*(RE) Prerequisite(s): Chemistry 120 or Chemistry 128 and consent of instructor.*

*Rationale:* This will provide a stand-alone honors version of 201 Introduction to Materials Science and Engineering for students pursuing an Honors Concentration. *Impact on other units:* None. *Financial impact:* None
*Assessment:* This course supports Program Learning Outcomes 1, 3, and 5 for the BS in Materials Science and Engineering. *Support from assessment activities:* From faculty discussions AY 14-15. This is needed for honors students in Materials Science and Engineering.

**DEPARTMENT OF NUCLEAR ENGINEERING**
**(NE) Nuclear Engineering**

Program Learning Outcomes for the B.S. in Nuclear Engineering:
1. Ability to Apply Knowledge of Math, Engineering and Science
2. Ability to Conduct Experiments and Analyze and Interpret Data
3. Ability to Design Component, System or Process to Meet Needs
4. Ability to Function on Multidisciplinary Teams
5. Ability to Identify, Formulate and Solve Engineering Problems
6. Ability to Communicate Effectively
7. Ability to practice engineering in a global economy

**ADD**

**NE 233 Introduction to Radiological Engineering (3)** Radiation quantities, limits and risk assessment, external and internal dosimetry, biological effects of radiation, radiation detection, radiation interactions and decay, applications.
*(DE) Prerequisite(s): 200.*

*Rationale:* The course is being created to replace the previously-required 433 and give the students an introduction to the concepts that will be important in future NE courses. *Impact on other units:* None. *Financial Impact:* None.
*Assessment:* This course supports Program Learning Outcomes 1 and 7. *Support from assessment activities:* From faculty discussions AY 14-15. This is needed by students to learn important introductory concepts for future Nuclear Engineering courses.

**II. PROGRAM CHANGES**

**REVISE TEXT**

On the College of Engineering main page, revise text as follows:
**Facilities**

Most of the college's facilities are on the southeastern corner of "The Hill." Administration and Engineering Professional Practice are located in Perkins Hall. Civil Engineering and Industrial Engineering are in the John D. Tickle Building; Electrical Engineering, Computer Engineering, and Computer Science are in the Min H. Kao Building; Mechanical Engineering, Aerospace Engineering, Biomedical Engineering, and Chemical Engineering are in Dougherty Hall; Materials Science and Engineering is in Ferris Hall; Nuclear Engineering is in the Pasqua Engineering Building. Interdisciplinary Engineering Research Centers are located in various campus buildings (http://www.engr.utk.edu/research/); Engineering Advising Services ~~are located in Perkins Hall~~, the Engineering Fundamentals Division, Engineering Diversity, Engineering Outreach, and Engineering Honors Program offices are located in Perkins ~~Estabrook~~ Hall.

*Rationale:* Revision includes new locations of program offices. *Impact on other units:* none. *Financial impact:* none.

**Engineering Honors Program/Departmental Honors Concentration**

**Admission**

Admission as a first year student to the EHP/HC is by invitation, which is extended by the Dean's office to students meeting rigorous academic standards in their high school coursework ~~and to all students accepted into the Chancellors Honors Program~~. Students not invited may apply after completing their first semester at The University of Tennessee. Recent entering classes have had an average high school core GPA of above 4.0 and an average composite ACT of 33.

*Rationale:* To make admission to Engineering Honors independent from admission into the Chancellors Honors Program. *Impact on other units:* None. *Financial impact:* None.

**REVISE REQUIREMENTS**

**Reliability and Maintainability Engineering Minor**

**Minor Requirements**
The minor consists of 15 hours.

**Select 3 hours:**
CBE 483 – Introduction to Reliability Engineering
IE 483 – Introduction to Reliability Engineering
ME 483 – Introduction to Reliability Engineering
MSE 483 – Introduction to Reliability Engineering
NE 483 – Introduction to Reliability Engineering

**Select 3 hours:**
CBE 484 – Introduction to Maintainability Engineering
IE 484 – Introduction to Maintainability Engineering
ME 484 – Introduction to Maintainability Engineering
MSE 484 – Introduction to Maintainability Engineering
NE 484 – Introduction to Maintainability Engineering

**Select 3 hours:**
CBE 301 – Application of Statistical and Numerical Techniques in Engineering
ECE 313 – Probability and Random Variables
IE 200 – Engineering Statistics
MATH 323 – Probability and Statistics
MSE 301 – Applied Statistics and Numerical Methods for Materials Scientists and Engineers
STAT 251 – Probability and Statistics for Scientists and Engineers

*Rationale:* Industrial Engineering 483 is co-listed as Chemical and Biomolecular Engineering 483. The Department of Materials Science and Engineering has proposed to have Industrial Engineering 483 co-listed as Materials Science and Engineering 483. Industrial Engineering 484 is co-listed as Materials Science and Engineering 484. Materials Science and Engineering 301 is equivalent to Statistics 251, Industrial Engineering 200 or other introductory statistics courses taught at Engineering departments. All changes will help Materials Science and Engineering students get the Reliability and Maintainability minor.

**DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING**

Program Learning Outcomes for the B.S. in Chemical Engineering:
1. Graduates of the UTK chemical and biomolecular engineering program demonstrate the ability to identify, formulate, and solve engineering problems by applying sound problem formulation and solution methods.
2. Graduates of the UTK chemical and biomolecular engineering program demonstrate high standards of professional and ethical responsibility.
3. Graduates of the UTK chemical and biomolecular engineering program communicate effectively in writing, speaking, and listening in a variety of contexts

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Chemical Engineering**

| **Term 8** | | |
|---|---|---|
| CBE 401 | 1 | No milestones |
| CBE 488* or CBE 490* | 3 | |
| [1]Chem Option I | 3 | |
| Social Sciences Elective* | 3 | |
| [3]Technical Elective | 6 ~~5~~ | |
| **TOTAL** | **128 ~~127~~** | |

[3] One technical elective must be a chemical and biomolecular engineering course. CBE 457 may not count as the one CBE course. MSE 201 or MSE 207 can be used as technical elective.

*Rationale:* Last year, we removed Math 200 (1 credit hour). This year, we raised the number of technical elective credits from 5 to 6, as this is reasonable for most courses. Before we had to leave the number at five to stay under the 128 cap. Revise footnote (3) to include “or MSE 207”, a stand-alone honors version of MSE 201. *Impact on other academic units:* None. *Financial impact:* None. This supports Program Learning Outcome 1. Support from Assessment Activities from faculty discussions AY 2014-15: Minor change – none needed.

**DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE**

Program Learning Outcomes for the B.S. in Computer Science:
1. Students will apply knowledge of computing and mathematics appropriate to the discipline
2. Students will analyze problems, and identify and define the computing requirements appropriate to their solution
3. Students will design, implement, and evaluate computer-based systems, processes, components, or programs to meet desired needs
4. Students will use current techniques, skills, and tools necessary for computing practice
5. Students will apply design and development principles in the construction of software systems of varying complexity

Program Learning Outcomes for the B.S. in Computer Engineering:
1. Students will apply knowledge of mathematics, science, and computer engineering
2. Students will design and conduct computer engineering experiments, as well as analyze and interpret data
3. Students will design systems, components, or processes to meet desired needs within realistic constraints
4. Students will identify, formulate, and solve computer engineering problems
5. Students will use the techniques, skills, and modern engineering tools necessary for computer engineering practice

Program Learning Outcomes for the B.S. in Electrical Engineering:
1. Students will apply knowledge of mathematics, science, and electrical engineering
2. Students will design and conduct electrical engineering experiments, as well as analyze and interpret data
3. Students will design systems, components, or processes to meet desired needs within realistic constraints
4. Students will identify, formulate, and solve electrical engineering problems
5. Students will use the techniques, skills, and modern engineering tools necessary for electrical engineering practice

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Computer Science**

| | | |
|---|---|---|
| **Term 4** | | |
| [2]Arts and Humanities Elective* | 3 | EF 152* or PHYS 136* |
| COSC 302 or COSC 307 | 4 | |
| MATH 251 or MATH 257 | 3 | |
| COSC 311 or COSC 317 ~~[2]Cultures and Civilizations Elective*~~ | 3 | |
| **Term 5** | | |
| COSC 360 or COSC 367 | 4 | CBE 201 or COSC 102 or ME 202 or MSE 201 |
| [3]Computer Science Upper Division Elective | 3 | |
| COSC 312 ~~COSC 311 or COSC 317~~ | 3 | |
| ECE 313 | 3 | |
| [2]Social Sciences Elective* | 3 | |
| **Term 6** | | |
| COSC 361, COSC 365 | 6 | No milestones |
| [2]Cultures and Civilizations Elective* ~~COSC 312~~ | 3 | |
| [3]Computer Science Upper Division Elective | 3 | |
| [4]Unrestricted Elective | 3 | |

*Rationale:* Moving 311 earlier in the curriculum is because we have found success in later Computer Science courses is strongly correlated with success in 311. 302 is listed in Term 4. Although 302 and 311 are not dependent on each other, it is helpful for 302 instructors to be able to assume that students have some familiarity with proof techniques when explaining how Big-O times are derived or proofs of correctness are derived. *Impact on other units:* None. *Financial impact:* None.
This supports Program Learning Outcomes 1-5. Support from Assessment Activities from faculty discussions AY 2014-15: Improves success of students in later computer science courses.

**Requirements for the Bachelor of Science in Computer Science**
Add courses to footnote four as follows:

**Systems Track**
ECE 462 Cyber-Physical Systems Security
ECE 463 Introduction to Datacenters

**Cybersecurity Track**
ECE 461 Introduction to Computer Security
ECE 462 Cyber-Physical Systems Security

*Rationale:* These courses were newly introduced into the curriculum in Fall 2014 as part of the two new minors: Cybersecurity and Data Center Technologies. They have not been added to any tracks yet. *Impact on other units:* none. *Financial Impact:* None.
This supports Program Learning Outcomes 1-5. Support from Assessment Activities from faculty discussions AY 2014-15: Student need for the two new minors (Cybersecurity and Data Center Technologies).

**REVISE REQUIREMENTS**

**Computer Science Minor**

The minor requires the completion of a minimum of **27 credits** in computer science courses.

**Complete:**
COSC 102 Introduction to Computer Science
COSC 130 Computer Organization
COSC 140 Data Structures and Algorithms I
ECE 255 Introduction to Logic Design of Digital Systems

~~**Select one course:**~~
~~COSC 130 Computer Organization~~
~~ECE 255 Introduction to Logic Design of Digital Systems~~

Rationale: After last year's curriculum revision, Computer Science 130 is now a prerequisite of Electrical and Computer Engineering 255. Impact on other units: None. Financial impact: None.
This supports Program Learning Outcomes 1-5. Support from Assessment Activities from faculty discussions AY 2014-15: Need for meeting prerequisites.

**Requirements for the Bachelor of Science in Computer Engineering**
Revise footnote three as follows:

[3]Among the five Computer Engineering Upper Division Electives, you must choose courses that cover 3 tracks with one of the tracks being Networking & Embedded Systems. The course distribution among the 3 tracks should follow the 2-2-1 pattern, among which at most 2 courses can be at the 3xx-level. The following series lists the acceptable set of electives that may be taken to satisfy the upper division electives for the Computer Engineering major. The electives have been grouped into eight ~~seven~~ suggested tracks. The tracks group related electives that a student may wish to take in order to achieve a level of expertise in the indicated area. The 500-level courses are listed as suggestions to students admitted in the five-year BS/MS program. ECE 491 - Special Topics may be used as a Computer Engineering and Electrical Engineering upper division elective. Up to two COSC 5XX or ECE 5XX courses may count as upper division elections.

**Signals and Systems Track**
ECE 316 Signals and Systems II
ECE 471 Introduction to Pattern Recognition or ECE 477 Honors: Introduction to Pattern Recognition
ECE 472 Introduction to Digital Image Processing or ECE 478 Honors: Introduction to Digital Image Processing
ECE 462 Cyber-Physical Systems Security
ECE 463 Introduction to Datacenters
ECE 505 Digital Signal Processing I
ECE 506 Digital Signal Processing II
ECE 571 Pattern Recognition
ECE 572 Digital Image Processing

**Cybersecurity Track**
COSC 434 Network Security or COSC 534 Network Security
COSC 445 Fundamentals of Digital Archeology or COSC 545 Fundamentals of Digital Archeology
COSC 466 Web Security or COSC 566 Web Security
COSC 483 Applied Cryptography or COSC 583 Applied Cryptography
ECE 459 Secure and Trustworthy Computer Hardware Design or ECE 559 Secure and Trustworthy Computer Hardware Design
ECE 461 Introduction to Computer Security
ECE 462 Cyber-Physical Systems Security
ECE 469 Mobile and Embedded Systems Security or ECE 569 Mobile and Embedded Systems Security
ECE 471 Introduction to Pattern Recognition or ECE 571 Pattern Recognition OR COSC 425 Introduction to Machine Learning or COSC 528 Introduction to Machine Learning

**Integrated Circuits**
ECE 336 Electronic Circuits
ECE431 Operational Amplifier Circuits
ECE432 Electronic Amplifiers
ECE433 Introduction to VLSI
ECE455 Embedded Systems Design
ECE459 Secure and Trustworthy Computer Hardware Design
ECE531 Advanced Analog Electronics I
ECE532 Advanced Analog Electronics II
ECE533 Advanced MOS Concepts and VLSI Design
ECE551 Digital System Design I
ECE555 Embedded Systems
ECE559 Secure and Trustworthy Computer Hardware Design

*Rationale:* The ECE 461, 462, 463 courses were newly introduced into the curriculum in Fall 2014 as part of the two new minors: Cybersecurity and Data Center Technologies. They have not been added to any tracks yet. With new faculty members, Dr. Garrett Rose and Dr. Mark Dean having joined the department, this addition of Track Eight (Integrated Circuits) is to clarify options for our students, specifically by showing a clear path for Integrated Circuits design. *Impact on other units*: none. *Financial Impact:* none. This supports Program Learning Outcomes 1-5. Support from Assessment Activities from faculty discussions AY 2014-15: Student need for the two new minors (Cybersecurity and Data Center Technologies).

**Requirements for the Bachelor of Science in Electrical Engineering**
Revise footnote four as follows:

[4]Technical electives chosen from COSC 140, COSC 311 or MATH 300, COSC 370; CHEM 130* or CHEM 138*, IE 405; MSE 201 or MSE 207, MSE 410; ME 231, ME 321, ME 331, ME 344; NE 342 or NE 347.

**Requirements for the Bachelor of Science in Electrical Engineering – Power and Energy Systems Concentration**
Revise footnote four as follows:

[4]Technical electives chosen from COSC 140, COSC 311 or MATH 300, COSC 370; CHEM 130* or CHEM 138*; IE 405; MSE 201 or MSE 207, MSE 410; ME 231, ME 321, ME 331, ME 344; NE 342 or NE 347.

*Rationale:* Materials Science and Engineering 207 will provide a stand-alone honors version of 201 Introduction to Materials Science and Engineering for students pursuing an Honors Concentration. *Impact on other academic units:* None. *Financial impact:* None. This supports Program Learning Outcome 1. Support from Assessment Activities from faculty discussions AY 2014-15: Minor change – none needed.

**DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING**

Program Learning Outcomes for the B.S. in Industrial Engineering:
1. Ability to formulate engineering problems and design solutions
2. Ability to design and conduct experiments, analyze data, and interpret results
3. Ability to function and communicate effectively as teams
4. Ability to practice engineering in a global economy

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Industrial Engineering**

| **Term 3** | | |
|---|---|---|
| IE 200, IE 250, IE 405 | 7 | EF 151* or PHYS 135* |
| MATH 241 or MATH 247 | 4 | |
| MSE 201 or MSE 207 | 3 | |
| PHYS 231* | 3 | |

*Rationale:* Materials Science and Engineering 207 will provide a stand-alone honors version of 201 Introduction to Materials Science and Engineering for students pursuing an Honors Concentration. *Impact on other academic units:* None. *Financial impact:* None. This supports Program Learning Outcome 1. Support from Assessment Activities from faculty discussions AY 2014-15: Minor change – none needed.

**DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING**

Program Learning Outcomes for the B.S. in Materials Science and Engineering:
1. Student demonstrates ability to apply knowledge of mathematics, science, and engineering
2. Student demonstrates ability to design and conduct experiments, as well as to analyze and interpret data
3. Student demonstrates ability to function on multidisciplinary teams
4. Student demonstrates ability to identify, formulate, and solve engineering problems
5. Student demonstrates ability to communicate effectively both in written and oral form
6. Student demonstrates ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Materials Science and Engineering**

| **Term 3** | | |
|---|---|---|
| EF 230 | 2 | EF 151* or PHYS 135* |
| ECON 201* or ECON 207* | 4 | |
| MATH 241 or MATH 247 | 4 | |
| MSE 201 or MSE 207, MSE 210 | 4 | |
| PHYS 231* | 3 | |

[2]Chosen from ECE 301 (strongly recommended); BCMB 230; BIOL 160*, BIOL 168*; BME 409; CBE 475; CHEM 350; EF 333; ME 321; any MSE course; NE 483, NE 484; other 300- or 400-level science or engineering courses as approved by academic advisor and department head.

*Rationale:* This will provide a stand-alone honors version of 201 Introduction to Materials Science and Engineering for students pursuing an Honors Concentration. *Impact on other academic units:* None. *Financial impact:* None.
This supports Program Learning Outcomes 1, 2, and 6. Support from Assessment Activities from faculty discussions AY 2014-15: Minor change – none needed.
*Rationale:* Engineering Fundamentals 333 Co-op/Intern Experience in Engineering course provides a mechanism for students to get technical elective credits for co-op or internship experiences. *Impact on other units:* None. *Financial impact:* None.
This supports Program Learning Outcomes 1, 2, and 6. Support from Assessment Activities from faculty discussions AY 2014-15: Expands student opportunities to learn from co-op internship activities.

**Requirements for the Bachelor of Science in Materials Science and Engineering - Biomaterials Concentration**

| **Term 3** | | |
|---|---|---|
| EF 230 | 2 | EF 151* or PHYS 135* |
| ECON 201* or ECON 207* | 4 | |
| MATH 241 or MATH 247 | 4 | |
| MSE 201 or MSE 207, MSE 210 | 4 | |
| PHYS 231* | 3 | |

*Rationale:* This will provide a stand-alone honors version of 201 Introduction to Materials Science and Engineering for students pursuing an Honors Concentration. *Impact on other academic units:* None. *Financial impact:* None.
This supports Program Learning Outcomes 1, 2, and 6. Support from Assessment Activities from faculty discussions AY 2014-15: Minor change – none needed.

**Requirements for the Bachelor of Science in Materials Science and Engineering - Nanomaterials Concentration**

| **Term 3** | | |
|---|---|---|
| EF 230 | 2 | EF 151* or PHYS 135* |
| ECON 201* or ECON 207* | 4 | |
| MATH 241 or MATH 247 | 4 | |
| MSE 201 or MSE 207, MSE 210 | 4 | |
| PHYS 231* | 3 | |

*Rationale:* This will provide a stand-alone honors version of 201 Introduction to Materials Science and Engineering for students pursuing an Honors Concentration. *Impact on other academic units:* None. *Financial impact:* None.
This supports Program Learning Outcomes 1, 2, and 6. Support from Assessment Activities from faculty discussions AY 2014-15: Minor change – none needed.

**DEPARTMENT OF MECHANICAL, AEROSPACE, AND BIOMEDICAL ENGINEERING**

Program Learning Outcomes for the B.S. in Aerospace Engineering:
1. Students will demonstrate an ability to solve engineering problems
2. Students will demonstrate an ability to conduct experiments and analyze data.
3. Students will demonstrate an ability to communicate effectively.
4. Students will demonstrate a design competency in mechanical engineering systems.

Program Learning Outcomes for the B.S. in Biomedical Engineering:
1. Students will demonstrate an ability to solve engineering problems
2. Students will demonstrate an ability to conduct experiments and analyze data.
3. Students will demonstrate an ability to communicate effectively
4. Students will demonstrate a design competency in biomedical engineering systems

Program Learning Outcomes for the B.S. in Mechanical Engineering:
1. Students will demonstrate an ability to solve engineering problems.
2. Students will demonstrate an ability to conduct experiments and analyze data.
3. Students will demonstrate an ability to communicate effectively
4. Students will demonstrate a design competency in mechanical engineering systems

**REVISE REQUIREMENTS**

**Requirements for the Bachelor of Science in Aerospace Engineering**

| **Term 4** | | |
|---|---|---|
| [2]Arts and Humanities Electives* | 6 | EF 152* or PHYS 136* |
| EF 230 | 2 | |
| MATH 231 | 3 | |
| ME 321 | 3 | |
| MSE 201 or MSE 207 | 3 | |

**Requirements for the Bachelor of Science in Biomedical Engineering**

| Term 4 | | |
|---|---|---|
| BME 271 | 3 | EF 152* or PHYS 136* |
| MATH 241 or MATH 247 | 4 | |
| ME 321 | 3 | |
| MSE 201 or MSE 207 | 3 | |
| PHYS 231* | 3 | |

**Requirements for the Bachelor of Science in Mechanical Engineering**

| Term 4 | | |
|---|---|---|
| [1]Arts and Humanities Elective* | 3 | EF 152* or PHYS 136* |
| MATH 231, MATH 251 or MATH 257 | 6 | |
| ME 321 | 3 | |
| MSE 201 or MSE 207 | 3 | |
| PHYS 231* | 3 | |

*Rationale:* Materials Science and Engineering 207 will provide a stand-alone honors version of 201 Introduction to Materials Science and Engineering for students pursuing an Honors Concentration. *Impact on other academic units:* None. *Financial impact:* None. This supports Program Learning Outcome 1. Support from Assessment Activities from faculty discussions AY 2014-15: Minor change – none needed.

**DEPARTMENT OF NUCLEAR ENGINEERING**

Program Learning Outcomes for the B.S. in Nuclear Engineering:
1. Ability to Apply Knowledge of Math, Engineering and Science
2. Ability to Conduct Experiments and Analyze and Interpret Data
3. Ability to Design Component, System or Process to Meet Needs
4. Ability to Function on Multidisciplinary Teams
5. Ability to Identify, Formulate and Solve Engineering Problems
6. Ability to Communicate Effectively
7. Ability to practice engineering in a global economy

**ADD MINOR**

**Nuclear Decommissioning and Environmental Management Minor**

A coursework program leading to a minor in nuclear decommissioning and environmental management is offered by the Nuclear Engineering and Civil and Environmental Engineering Departments. Students must file their intent to complete the minor with the Department of Nuclear Engineering prior to graduation. The program is administered through the Nuclear Engineering Department. The grade in each of the required classes must be at least a C. Students should consult with their advisor for the appropriate elective courses in their major.

**Minor Requirements:**

The minor consists of 15 hours.

Complete:
NE 404 Nuclear Fuel Cycle (3)
NE 433 Principles of Health Physics (3) or NE 233 Introduction to Radiological Engineering (3)
CE 340 Construction Engineering and Management I (3)

Select two courses:
NE 542 Management of Radioactive Materials (3)
NE 552 Radiological Assessment and Dosimetry (3)
NE 406 Radiation Shielding (3)
CE 440 Civil Engineering Systems Design and Management (3)
CE 441 Construction Engineering and Management II (3)

*Rationale:* The goal of this program is to provide an educated workforce of future environmental management leaders with expertise in nuclear sited decommissioning to strengthen the nation's cleanup mission. The cleanup mission mostly consists of defense sites and retired nuclear power plant sites. The current FY16 DOE budget request for defense site cleanup alone is $5.5B for 15 major sites. IBIS World estimated US remediation and environmental cleanup services were $18.1B in 2014, and the needs worldwide are quite overwhelming. For example, the UK Nuclear Decommissioning Authority estimating $107B in future cleanup costs for its defense sites and the International Energy Agency (IEA) predicts 200 reactors will retire by 2040 with an estimated cost of $100B. The global nuclear decommissioning market is expected to grow at 14.1% to 2018 and in Europe it is expected to grow at 43.1% to 2018. These figures are somewhat staggering. To perform this work in an effective and efficient manner, there must be a well-educated and qualified workforce. The current workforce is ageing and many of the leaders are nearing retirement. It is imperative that a pipeline of trained professionals is available to continue this important work and to do it with thorough knowledge of NRC

regulations, using state of the art technologies, and proven management practices. *Impact on other units:* None. *Financial impact:* None.
This supports Program Learning Outcomes 5 and 7. Support from Assessment Activities from faculty discussions AY 2014-15: To teach students about growing and global nuclear decommissioning market, thorough knowledge of NRC regulations, state of the art technologies, and proven management practices.

**REVISE REQUIREMENTS**

**Nuclear Engineering Major, BS in Nuclear Engineering**

**Full Status**
A lower-division student may apply for progression to upper division after completing CHEM 120* or CHEM 128*, CHEM 130* or CHEM 138*; MATH 141* or MATH 147*, MATH 142* or MATH 148*, MATH 231; EF 151* or EF 157*, EF 152* or EF 158*; ~~NE 200,~~ and PHYS 231*, with a grade of C or better in each, and an overall GPA of at least 2.5.

**Nuclear Engineering Graduation Requirements**
Students are strongly recommended to meet with their advisor every semester. Students are required to maintain a cumulative grade point of at least 2.0 in all nuclear engineering courses taken at the University of Tennessee, Knoxville, used to satisfy the graduation requirements. No more than four credit hours of required nuclear engineering courses in which a C- or lower is the highest grade earned may be counted toward graduation. This is in addition to the university's graduation requirements.

*Rationale:* We decided to add the word "required" so that it did not include any nuclear engineering courses taken as electives. The faculty felt that including NE elective courses and not non-NE courses into this performance requirement may bias our students into taking non-NE courses as their electives so that they reduced their risk of not meeting this requirement. We do not want to give students reasons not to take NE courses as electives. *Impact on other units:* None. *Financial impact:* None.
This supports Program Learning Outcome 1. Support from Assessment Activities from faculty discussions AY 2014-15: Minor change – none needed.

**Requirements for the Bachelor of Science in Nuclear Engineering**

| | | |
|---|---|---|
| **Term 4** | | |
| [1]Arts and Humanities Elective* | 3 | EF 152* or PHYS 136* |
| ~~ECE 301~~ | ~~3~~ | |
| MATH 241 or MATH 247 | 4 | |
| ME 331 | 3 | |
| PHYS 232* | 4 | |
| NE 233 | 3 | |
| **Term 5** | | |
| [1]Cultures and Civilizations Elective* | 3 | CBE 201 or COSC 102 or ME 202 or MSE 201 |
| NE 342 or NE 347, ~~NE 351 or NE 357,~~ NE 362 or NE 367 | 6 ~~9~~ | |
| PHYS 341 | 3 | |
| ECE 301 | 3 | |
| **Term 6** | | |
| ~~NE 360,~~ NE 351 or NE 357, NE 401*, ~~NE 433,~~ NE 470 | 10 ~~14~~ | No milestones |
| MSE 201 or MSE 207 | 3 | |
| [1]Social Sciences Elective* | 3 | |
| **Term 7** | | |
| ~~[1]Cultures and Civilizations Elective*~~ | ~~3~~ | ~~No milestones~~ |
| ME 321 | 3 | No milestones |
| ~~MSE 201~~ | ~~3~~ | |
| NE 360, NE 402* or NE 427*, NE 471 | 9 ~~5~~ | |
| [2]Technical Elective | 3 | |
| **Term 8** | | |
| [1]Arts and Humanities Elective* | 3 | No milestones |
| [1]Cultures and Civilizations Elective* | 3 | |
| NE 400*, NE 406 or NE 467, NE 472 | 7 | |
| [2]Technical Elective | 3 | |
| **TOTAL** | **126** | |

*Rationale:* 433 was renamed 233 and shifted to the sophomore year. The faculty felt that the students needed more nuclear engineering content before the junior year in order to level their work load and to build community and improve retention. Other courses were rearranged to level the course load while making sure required prerequisites are adhered to throughout the major.
This supports Program Learning Outcomes 2, 3, 5 and 7. Support from Assessment Activities from faculty discussions AY 2014-15: Minor change – none needed.

**Nuclear Engineering Major, BS in Nuclear Engineering – Radiological Engineering Concentration**

**Full Status**
A lower-division student may apply for progression to upper division after completing CHEM 120* or CHEM 128*, CHEM 130* or CHEM 138*; MATH 141* or MATH 147*, MATH 142* or MATH 148*, MATH 231; EF 151* or EF 157*, EF 152* or EF 158*; ~~NE 200,~~ and PHYS 231*, with a grade of C or better in each, and an overall GPA of at least 2.5.

**Nuclear Engineering Graduation Requirements**
Students are strongly recommended to meet with their advisor every semester. Students are required to maintain a cumulative grade point of at least 2.0 in all nuclear engineering courses taken at the University of Tennessee, Knoxville, used to satisfy the graduation requirements. No more than four credit hours of required nuclear engineering courses in which a C- or lower is the highest grade earned may be counted toward graduation. This is in addition to the university's graduation requirements.

*Rationale:* We decided to add the word "required" so that it did not include any NE courses taken as electives. The faculty felt that including NE elective courses and not non-NE courses into this performance requirement may bias our students into taking non-NE courses as their electives so that they reduced their risk of not meeting this requirement. We do not want to give students reasons not to take NE courses as electives. *Impact on other units:* None. *Financial impact:* None.
This supports Program Learning Outcomes 2, 3, 5 and 7. Support from Assessment Activities from faculty discussions AY 2014-15: Minor change – none needed.

**Requirements for the Bachelor of Science in Nuclear Engineering - Radiological Engineering Concentration**

| | | |
|---|---|---|
| **Term 4** | | |
| [1]Arts and Humanities Elective* | 3 | EF 152* or PHYS 136* |
| ~~ECE 301~~ | ~~3~~ | |
| MATH 241 or MATH 247 | 4 | |
| ME 331 | 3 | |
| PHYS 232* | 4 | |
| NE 233 | 3 | |
| **Term 5** | | |
| [1]Cultures and Civilizations Elective* | 3 | CBE 201 or COSC 102 or ME 202 or MSE 201 |
| NE 342 or NE 347, ~~NE 351 or NE 357,~~NE 362 or NE 367 | 6 ~~9~~ | |
| PHYS 341 | 3 | |
| ECE 301 | 3 | |
| **Term 6** | | |
| NE 351 or NE 357, NE 401*, ~~NE 433,~~ NE 470 | 10 | No milestones |
| [1]Social Sciences Elective* | 3 | |
| STAT 251 | 3 | |

*Rationale:* 433 was renamed 233 and shifted to the sophomore year. The faculty felt that the students needed more nuclear engineering content before the junior year in order to level their work load and to build community and improve retention. Other courses were rearranged to level the course load while making sure required prerequisites are adhered to throughout the major.
This supports Program Learning Outcomes 2, 3, 5 and 7. Support from Assessment Activities from faculty discussions AY 2014-15: Minor change – none needed.

**COLLEGE OF NURSING**
**All changes effective fall 2016**
(None)

**COLLEGE OF SOCIAL WORK**
**All changes effective fall 2016**
(None)

**OTHER**

**COURSES NOT TAUGHT IN FOUR YEARS OR MORE**
**Changes Effective Fall 2016**

**DROP**

**Africana Studies (AFST)**

**AFST 429 History and Philosophy of African-American Education (3)**
*Rationale:* Has not been taught in 22 years, and should be dropped per university policy.

| Subject | Subject | Course Impact |
|---|---|---|

| Code | Desc | |
|---|---|---|
| AFST | 429 | Interdisciplinary Programs Major – Africana Studies Concentration, Select 3 hours |
| | | Interdisciplinary Programs Major – Africana Studies Concentration, Select 21 hours |
| | | Interdisciplinary Programs Minor – Select 9 hours |
| | | Interdisciplinary Programs Major – American Studies Concentration, Select 15 additional upper-division credit hours |

**BAKER CENTER FOR PUBLIC POLICY**
**All changes effective fall 2016**

**I. COURSE CHANGES**

**REVISE DESCRIPTION AND GRADING RESTRICTION**

**BCPP 102 Freshman Seminar (1)** Required of and restricted to first-year students in the Baker Center Living and Learning Community. Acquisition of policy analysis skills through participation within groups in development of a proposal to address a current public policy issue. Enrichment of students' experience through exposure to guest lecturers, exploration of career opportunities, and participation in co-curricular activities related to the field of public policy.
*Grading Restriction: Letter grade only.*

*Formerly: 102 Freshman Seminar (1) Required of and restricted to first-year students in the Baker Center Living and Learning Community. Enrichment of students' experience through exposure to guest lecturers, exploration of career opportunities, and participation in co-curricular activities related to the field of public policy.*
*Grading Restriction: Satisfactory/No Credit grading only.*

*Rationale:* The revision in course description reflects intent to incorporate substantive graded work in connection with the public policy proposal. Use of an A-F grading scale with both incentivize stronger student effort and reflect the level of student achievement more accurately. *Impact on other units:* None. *Financial impact:* None.

**ADD**

**BCPP 480 Policy Process and Program Evaluation (3)** Exploration of theory and tools used in the creation, implementation, and evaluation of public policy and a review of the policy process. Application of policy theory, ethics, design, and measurement; development of tools for applied welfare economics, including cost-benefit analysis and cost-effectiveness analysis; and engagement in hands-on data analysis. Study of evidenced-based policymaking and the importance of stakeholder(s) input and promotion. Review of the roles, functions and decision-making processes of public policymakers, including legislative, executive and judicial actors, along with stakeholders, lobbyists, and interest groups.
*Registration Permission: Consent of Instructor.*

**BCPP 490 Policy Capstone (3)** Application of analytical tools to a concrete public policy issue, affording students the opportunity to examine a specific policy question in depth and develop solutions and recommendations pro bono for a real client. Development of project management skills; acquisition of expertise in research, including the gathering, visualization and analysis of data; and cultivation and honing of presentation and communication skills. Capstone may be done on an individual or team basis.
*Registration Permission: Consent of Instructor.*

*Rationale:* Public policy research increasingly relies on advanced analytical tools and applied data-driven experiences. These skills have become critical to the design, implementation and evaluation of public policy on the part of government agencies, nonprofits, think tanks and academicians. The proposed minor in public policy analytics is intended to provide students from a wide variety of disciplines with enhanced preparation for their career and/or enrollment in a graduate or professional school.
The minor was developed with input from faculty from agricultural and resource economics, law, economics, political science and university honors following an internal review of other programs at the University of Tennessee and universities elsewhere.
Students will be exposed to the foundations of public policy and the policymaking process, analytical tools from economics and political science, quantitative methods and program evaluation techniques, subject matter from a student's selected public policy field and a capstone experience that requires hands-on applications in conducting public policy research. *Impact on Other Academic Units/Financial Impact:* The minor would have limited enrollment intake of only 15 students per year or a total of 30 students on an ongoing basis. Two of the required core courses would be delivered by the Department of Economics as part of their current offerings; the department is confident that it can absorb these students with their current capacity. The two required courses provided by the Baker Center would be delivered by a mix of Baker Center joint faculty appointees, faculty fellows and UT faculty who have unique subject matter expertise to support course delivery; the Baker Center would, as necessary, provide compensation to faculty from the proceeds of their endowment to support curricular offerings.

**BCPP 493 Independent Study (1-3)** Individualized study of public policy.
*Rationale:* This course will allow students to study specialized subject matter in the field of public policy. *Impact on other units:* None. *Financial Impact:* None.

**BCPP 495 Special Topics in Public Policy (1-3)** Seminar addressing an area of study or current issue within the field of public policy.
*Rationale:* This course will allow faculty affiliated with the Baker Center for Public Policy to offer a seminar on selected topics.
*Impact on other units:* None. *Financial impact:* None.

**II. PROGRAM CHANGES**

**ADD**

**♦ PUBLIC POLICY ANALYTICS MINOR**

The Howard H. Baker Jr. Center for Public Policy offers a minor in public policy analytics that is open to students pursuing any major. The minor is intended to provide skills in employing advanced analytical methods that have become critical to the design, implementation and evaluation of public policy on the part of government agencies, nonprofits, think tanks and academicians. Students are exposed to the foundations of public policy and the policymaking process, analytical tools from economics and political science, quantitative methods and program evaluation techniques, subject matter from a selected public policy field and a capstone experience that requires hands-on applications in conducting public policy research.

A limited cohort of 15 students will be admitted to the minor each academic year. Admission will be based on student applications that demonstrate academic aptitude, interest in public policy and engagement outside the classroom. An admissions committee will make selections based on overall student promise and the potential for synergies across students in the cohort. Further information on the admission process and timetable are available on the Baker Center website (http://bakercenter.utk.edu/).

**Minor Requirements**

The minor consists of **six courses** (**17-19 hours**, depending on course selection).

**Required Pre-Minor Coursework**

BCPP 101 – Introduction to Public Policy **or** POLS 240 – Introduction to Public Administration and Public Policy **or** POLS 311 – Contemporary Issues in American Public Policy

CMST 210/217 – Public Speaking/Honors: Public Speaking **or** CMST 240/247 – Business and Professional Communication/ Honors: Business and Professional Communication

STAT 201/207 – Introduction to Statistics/Honors: Introduction to Statistics

ECON 201/207 - Introductory Economics: A Survey Course/Honors: Introductory Economics: A Survey Course **or** ECON 211 - Principles of Microeconomics

**Required Courses**

**Complete:**

ECON 311 – Intermediate Microeconomics
ECON 381 – Introduction to Econometrics
BCPP 480 – Policy Process and Program Evaluation
BCPP 490 – Policy Capstone

**Select Two Courses from One of the Following Tracks:**

**Environmental & Natural Resources Policy**

AREC 470 – Policy Analysis for Environmental and Natural Resource Management
ECON 362 – Environmental & Natural Resources Policy
ECON 463 – Environmental Economics
ESS 462 – Environmental Climatology
INSC 490 – Environmental Information
PUBH 420 – Environmental Public Health
SOCI 465 – Social Values and the Environment
EEB 306 – Ecology and Society
EEB 309 – Biology of Human Affairs

**Global Security Policy**

POLS 451 – Ethnic Conflict in Foreign Countries
POLS 470 – International Law
POLS 472 – Conflict Processes
POLS 473 – Negotiation, Bargaining, and Diplomacy
POLS 479 – Regional Analysis of International Politics

**Fiscal and Regulatory Policy**

ECON 331 – Government & Business
ECON 471 – Public Finance: Expenditure Analysis
ECON 472 – Public Finance: Taxation and Fiscal Federalism
POLS 441 – Public Budgeting
POLS 442 – Administrative Law and Regulatory Policymaking

**Health and Social Justice Policy**

ECON 436 – Economics of Health & HealthCare
ECON 441 – Labor Economics
PUBH 330 – Emergency Management
PUBH 401 – Global Public Health
PUBH 420 – Environmental Public Health
SOCI 341 – Social Inequalities
SOCI 442 – Comparative Poverty and Development

SOCI 446 – The Modern World System
SOCI 449 – Juvenile Delinquency and Social Policy
SOCI 451 – Criminal Justice
SOCI 452 – Race, Ethnicity, Crime, and Justice
SOCI 465 – Social Values and the Environment
SOWK 416 – Social Welfare Policies and Issues

**Foreign Policy***

ECON 421 – International Economics
GEOG 451 – The Global Economy
PHIL 441 – Global Justice and Human Rights
POLS 336 – United States Foreign Policy Process
POLS 350 – Political Change in Developing Areas
POLS 370 – Contemporary International Problems
POLS 461 – Comparative Public Policy
POLS 471 – International Political Economy
POLS 473 – Negotiation, Bargaining, and Diplomacy
POLS 479 – Regional Analysis of International Politics
SOCI 442 – Comparative Poverty and Development
SOCI 446 – The Modern World System
WOST 370 – Gender and Globalization

***Can only take one of the following to satisfy requirement:**
POLS 452 – The Politics of Sub-Saharan Africa
POLS 453 – Western European Politics
POLS 454 – Government and Politics of China and Japan
POLS 455 – South Asian Government and Politics
POLS 456 – Latin American Government and Politics
POLS 459 – Government and Politics of Post-Communist Countries
POLS 463 – Contemporary Middle East Politics

**CHANCELLOR'S HONORS PROGRAM**
**All changes effective fall 2016**

**REVISE TEXT, REQUIREMENTS**

The Chancellor's Honors Program is the University of Tennessee's principal honors program with students representing majors in all nine of the university's undergraduate colleges. The Chancellor's Honors Program is built upon the core values of intellectual curiosity, critical awareness, and social responsibility. Through completion of an exclusive first-year honors writing sequence and electronic portfolio complemented with select honors courses offered by departments across the university, the Chancellor's Honors Program offers high-achieving students the opportunity to engage with one another in a community of scholars. It also encourages them to participate with both the larger campus community through involvement, service, and research and the greater world through study abroad.

Similar to the university's general education curriculum which requires students to complete coursework from among several categories, the Chancellor's Honors Program curricular requirements encourage students to engage in a broad array of honors coursework in order to broaden their understanding beyond their chosen majors. Students will take five approved honors courses from at least three of the following five categories:

- Artistic Expression and Humanistic Thought: courses that focus on the exploration, appreciation, and understanding of artistic, literary, and/or philosophical works. These courses may be analytic or creative in nature.
- Behavioral, Social, and Communication Sciences: courses that focus on the understanding of society and interactions between people, i.e. human behavior and social dynamics.
- Natural Sciences: courses that focus on exploration and interpretation of scientific theories or natural phenomena, requiring students to engage with the material critically and ethically.
- Human Cultures and Civilizations: courses that focus on the study of human history and non-U.S. cultures.
- Logic, Mathematics, and Quantitative Reasoning: courses that focus on the acquisition of quantitative skills in order to solve problems.

It is important to note that, unlike the university's general education curriculum, approved honors courses from these categories may come from upper-division course offerings as well as lower-division general courses. A complete, up-to-date list of approved courses by category is maintained on the Honors and Scholars website (http://honors.utk.edu/chp-approved-honors-courses/). ~~on four cornerstones: course work, community, research, and participation in the Ready for the World Initiative. Featuring limited enrollments and dynamic faculty, enhanced and enriched honors course work is offered by the Chancellor's Honors Program, as well as by departments across the university.~~

The Honors Living and Learning Community welcomes first-year students, while other specialized programs are geared primarily for returning students. Prominent among these are the Honors Council, which is the Chancellor's Honors Program student government; the Honors Ambassador Program, which provides liaison across program constituents and helps with program recruitment; and the Honors Peer Mentor Program, which connects advanced honors students with their first-year peers. Chancellor's Honors students may also benefit from exclusive grants in support of research projects ~~required Honors Thesis projects~~ and required international and intercultural learning. In recognition of their exceptional academic achievement, Chancellor's Honors students receive special graduation recognition.

The Chancellor's Honors Program anchors the University of Tennessee's uniquely decentralized system of honors programs and opportunities. Chancellor's Honors students are encouraged to participate in one or more of the University of Tennessee's many specialized college or departmental honors programs.

Eligibility

The Chancellor's Honors Program is available to entering first-year students~~, current first- and second-year students, and qualified transfer students~~. High school seniors with superior academic credentials are invited ~~encouraged~~ to apply. Recent ~~While there is no required minimum high school GPA or minimum ACT/SAT score, recent~~ entering classes have had an average high school core GPA of above 4.0 and an average composite ACT of 32. Current first- and second-year students, and qualified transfer students may be eligible to apply for membership.

Curricular Requirements

To supplement the requirements in their respective colleges, Chancellor's Honors students complete:

- First-year honors writing sequence
  - Honors Writing I and II—ENGL 198 and 298 (WC)[1]
- Five approved honors courses from at least three of the following categories[2]:
  - Artistic Expression and Humanistic Thought
  - Behavioral, Social, and Communication Sciences
  - Natural Sciences
  - Human Cultures and Civilizations
  - Logic, Mathematics, and Quantitative Reasoning
- Two-semester, or approved equivalent, capstone experience in undergraduate research, scholarship, or creative activity culminating in a senior thesis or project. (UNHO 497-498 or approved equivalent)
- ~~One University Honors seminar (UNHO 101).~~
- ~~Seven 3-credit (or more) honors courses. These may include lower-level general education honors courses and upper-level honors courses.[1] Only upper-level courses are eligible for the honors-by-contract option.[2]~~
- ~~One 3-credit Honors Thesis project (UNHO 498 or equivalent approved by CHP).~~

TOTAL: 25+ credit hours of honors course work[3]

Co-curricular Requirements

- Ready for the World Experience: an approved international/intercultural learning experience to be fulfilled through one of the following:
  - Study-abroad
  - International travel for service, research, internship, or other academic purpose
  - Completion of a major or minor in a modern foreign language
  - Completion of an approved intercultural domestic project
- Campus and Community Engagement: an annual requirement to actively participate in the life of the campus and community by:
  - Attendance at least three honors-approved events (called “Becker Seminars”) each semester
  - Completion of at least 25 hours of documented community service each year
- Electronic Portfolio: electronic website (which can be private) where students will summarize and make connections between curricular and co-curricular experiences and reflect. Designed to be a four-year undertaking, the completed portfolio will be reviewed prior to student’s graduation.

~~Additionally, all Chancellor's Honors students are required to undertake approved international/intercultural learning to fulfill the Chancellor's Honors Program graduation requirements. The Ready for the World graduation requirement may be fulfilled through participation in an approved study-abroad program, an approved international research or service experience, an approved intercultural experience, or via the completion of an undergraduate major or minor in a modern foreign language.~~

~~Chancellor's Honors students are also expected to engage and participate actively in the life of the campus and community. Chancellor's Honors students are required to attend at least three honors-approved events each semester and complete 25 hours of documented community service each year.~~

Chancellor's Honors students are expected to make timely progress towards honors graduation while maintaining a minimum cumulative GPA of 3.5. Students risk losing their place in the program if they fail to meet any of these requirements.

[1]English 198-298 fulfills two of the three Communicating through Writing courses required by the university. All CHP students must complete English 198-298 regardless of existing credits from AP or dual enrollment composition courses.

[2]The University Honors Committee, comprised of appointed representatives from each of the undergraduate academic colleges, approves existing honors courses for the Chancellor’s Honors Program requirements. A complete, up-to-date list of approved courses by category is available on the CHP Blackboard site as well as the Honors and Scholars website (http://honors.utk.edu/chp-approved-honors-courses/). Students may also apply for approval of a maximum of one honors-by-contract or study abroad course (for which they have received transfer credit from UT).

[3]No AP or dual enrollment credit will be accepted for honors credits for the Chancellor’s Honors Program requirements.

[1] ~~ENGL 118 - Honors: English Composition, is recommended for incoming students who do not have AP/DE English credit, but it does not fulfill one of the seven required courses.~~
[2] ~~Honors-by-Contract: Customized approach in an upper-division course through completion of a written contract delineating additional effort. The contract must be submitted to CHP by the third week of the semester; a completion form is also required at the end of the semester. Honors-by-Contract is available to Chancellor's Honors students, College Scholars, and students participating in a departmental or college-level honors program at UT Knoxville.~~

*Rationale:* New curriculum better supports the program's core values, while utilizing current university resources.
Impact on other units: The Department of English, as part of a larger overhaul in their course offerings, will offer two new writing courses to all CHP students, but since all students must complete the WC requirement and most do so by taking two English courses, they do not foresee a significant change. No additional burdens are being placed on any other departments since this proposal utilizes existing courses. *Financial impact:* None outside of the Department of English.

NOTE REGARDING PROPOSED CHANGES: In consultation with faculty and student constituents, the Honors and Scholars Program staff has developed a strategic plan for the UT's largest university-wide honors program, the Chancellor's Honors Program. This plan takes into account both university-level initiatives (Vol Vision and Top 25) and best practices at peer institutions. During this planning process it became clear that UTK's honors programs fall far behind our peers (both actual and aspirational). Changes are imperative. Accordingly, we sought to elevate the honors experience of UTK students in keeping with both best practices and the expectations set forth by the National Collegiate Honors Council.

In an effort to improve the overall Chancellor's Honors Program experience for students while continuing to support honors offerings in the colleges, the CHP (in conjunction with the University Honors Committee) proposes a restructuring of the existing requirements. Students will take roughly the same number of credit hours, but from within a new framework.

Because effective writing and critical thinking skills are imperative for all students, CHP students will complete an advanced two-semester writing sequence (offered by and through the Department of English). In addition (and as is our current practice), CHP students will take honors coursework from across the university curriculum. The one minor change is that, with the guidance of the University Honors Committee, courses have been grouped into conceptual categories. In this way, we are encouraging exploration and breadth of learning (e.g., the current model allows STEM-focused students to take all their honors courses in science and math).

**HASLAM SCHOLARS PROGRAM**
**All changes effective fall 2016**

**REVISE TEXT AND REQUIREMENTS**

The Haslam Scholars Program is an intimate, four-year ~~the University of Tennessee's premier~~ enrichment program in which elite students learn from and with one another through a series of integrated, interdisciplinary common seminars and extra- and co-curricular experiences, including a common study abroad program ~~and assists exceptional students achieve the highest level of inquiry and understanding~~. The Haslam Scholars Program seeks a group of students who are academically strong, intellectually curious, and who have a desire to change the world. Students should embrace the program's emphasis on gaining a knowledge base that reflects both depth and breadth, becoming more globally engaged, and serving the communities in which they live and learn. Prospective Haslam Scholars will combine exceptional scholarly and intellectual merit with evidence of leadership, service and potential. Maturity and seriousness of purpose, along with evidence of special talents and skills, are among those intangibles essential to the success in an intensive scholars program.

Curricular Requirements

The Haslam Scholars Program curriculum includes three core interdisciplinary courses and a study abroad course taken as a cohort in their first two years of study. Scholars also undertake 6 credit hours of independent, in-depth research in which they complete a substantial scholarly, scientific or artistic endeavor. Scholars must maintain a 3.50 cumulative GPA and obtain a B or higher in all HSP courses.

~~The curriculum contributes significantly to General Education requirements in every undergraduate degree program.~~

~~While no strict grade point average or test score minimums will be used in the Haslam Scholars Program selection process, Haslam Scholars are likely to have earned a truly superior GPA in a rigorous high school curriculum and scored in the top 1% of the national distribution of standardized test scores (e.g., 33+ ACT composite, 1460+ SAT or 2190+ new SAT).~~

**Required Courses**

Haslam Scholars Program 257 Power (3) (SS)
Haslam Scholars Program 267 Life (3) (NS)
Haslam Scholars Program 287 Knowledge (3) (AH)
Haslam Scholars Program 368 Study Abroad: Scotland (3) (CC)
Haslam Scholars Program 497 Thesis Research (3)
Haslam Scholars Program 498 Thesis Research (3)
Haslam Scholars Program 499 Senior Colloquium (1)

Scholars are required to complete 12 hours of a foreign language regardless of the amount of foreign language credit they have at the time of matriculation.

The curriculum contributes significantly to General Education requirements in every undergraduate degree program.

Co-Curricular Requirements

Scholars must complete 15 hours of approved service and attend a combination of seven approved lectures each semester.

Eligibility
While no strict grade point average or test score minimums will be used in the Haslam Scholars Program selection process, Haslam Scholars are likely to have earned a truly superior GPA in a rigorous high school curriculum and scored in the top 1% of the national distribution of standardized test scores (e.g., 33+ ACT composite, 1460+ SAT or 2190+ new SAT).

**CENTER FOR INTERNATIONAL EDUCATION**
**All changes effective fall 2016**

The Center for International Education (CIE) is requesting approval for academic status. The CIE would like to be able to offer a limited number of courses in two new academic disciplines: International Education Experiences (INTE) and English Language Institute (ELI). Upon receiving academic status, CIE will appear in the Undergraduate Catalog in the same manner as the Howard Baker Center or the Chancellor's Honors Program.

**ADD DEPARTMENT AND ACADEMIC DISCIPLINE**

**(INTE) International Education**

**ADD**

**INTE 150 International Education Experiences (1-3 hours)**
Development of international and intercultural competencies through preparation for and completion of international educational experiences.
*Repeatability: Maximum 9 hours.*
*Registration Permission: Consent of Instructor.*
*Permission is requested to make INTE 150 a variable title course. Permission is also requested to make individual sections of INTE 150 either A-F grading or S/NC grading, as appropriate for the specific educational experience. (Note, per syllabus, this is a six-week class.)*

*Rationale:* At the moment, there are a variety of non-credit international academic and experiential learning experiences provided by the CIE that generally have not been associated with any existing department. The INTE discipline would allow some of these internationally focused experiences to be offered for credit to support the goals of the new QEP (Experience Learning). These experiences will increase the number and diversity of internationally focused experiences available to UTK students and thus give more students the opportunity to go abroad. For many students, the "study abroad" experience is "life-changing" and a high-light of their academic careers.
*Oversight Procedure:* All first-time offerings of INTE 150 will be approved by the PAC (Programs Abroad Committee) which is made up of representatives from the colleges. PAC members will also review continuing INTE 150 courses on a regular basis.
*Faculty:* anyone who teaches any of the courses below must have appropriate credentials on file with the appropriate university office (SACS requirement).

**ADD DEPARTMENT AND ACADEMIC DISCIPLINE**

**(ELI) English Language Institute**

**ADD**

**ELI 110 Fundamentals in Academic English (3)**
Intensive instruction in the English language designed to prepare students for college-level courses taught in English. Strategies for developing proficiency in reading, writing, listening, speaking, and pronunciation and for increasing students' understanding of both U.S. culture and academic expectations at the University of Tennessee.
*Repeatability: May be repeated. Maximum 6 hours.*
*Registration Permission: Consent of Instructor.*

*Rationale:* ELI 110 is aimed at international undergraduate students accepted to UTK whose English language proficiency does not permit them to move directly into first-year composition. Upon successful completion of this course, international undergraduate students will take the appropriate English course(s) offered by the English department. It was agreed that this more basic level of English language should be offered by the English Language Institute to take advantage of the Institute's expertise in this area. Offering ELI 110 for credit allows students to take a reduced course load in other academic subjects while remaining enrolled at UTK as full time students to satisfy visa requirements. *(Note, per syllabus, this is a sixteen-week class.)*

**ELI 410 Advanced English and Teaching Principles for ITAs (3-4)**

Intensive development of English language skills, and overview of basic teaching techniques, that are needed for students to serve as effective graduate teaching assistants.
*Grading: S/NC only*
*Repeatability: May be repeated. Maximum 8 hours.*
*Registration Permission: Consent of Instructor.*

*Rationale:* ELI 410 is aimed at international graduate students and provides them with an opportunity to further develop their academic English skills while learning about basic teaching techniques, such as speaking while presenting visual material, leading discussions, and answering questions raised by students. The objective is to provide international graduate students with skills that they need to serve as effective graduate teaching assistants.

## GENERAL EDUCATION COMMITTEE

**The University of Tennessee, Knoxville**
**General Education Committee**
**Minutes of the Meeting**
**December 9, 2015**

**Call to order:** A regular meeting of the General Education Committee was held in the Mary Greer Room (Room 258) of Hodges Library on December 9, 2015. The meeting was called to order by Barbara Murphy, Committee Chair, at 8:30 a.m.

**Members present:** Barbara Murphy, Chair, Drew Paul, Harold Roth, Richard Strange, Suzanne Wright, Chuck Collins, Masood Parang, Joan Rentsch, John Stier, Dixie Thompson, Kirsten Benson, Megan Bryson, Jeff Larsen, Monique Anderson, Anna Sandelli, and Madeline Standbridge

**Others present:** Mary Albrecht, Richard Bennett, Alison Connor, Betsy Gullett, and Molly Sullivan

**Approval of the Minutes:** The minutes from the October 7, 2015, meeting were approved without opposition.

**Course Proposals:**

- ENGL 263, ENGL 277, RUSS 222, RUSS 321, RUSS 322, RUS 421, and WOST 270 were approved as satisfying the WC general education requirement.
- GEOG 200 was approved as satisfying the NS general education requirement.
- ESS 227 was approved as satisfying the CC general education requirement. No vote was needed, because this is the honors version of a course already approved.
- UNHO 258 (Special Topic: What is Duty?) approved as satisfying the AH general education requirement.
- REST 225 and REST 280 were approved to change general education designation from CC to AH; therefore, students who take either of these courses no later than summer 2016 will have the course satisfy the CC general education requirement, and those who take either of these courses beginning in fall 2016 will have the course satisfy the AH requirement. Discussion included suggestions to make sure advisors understand this to add an explanation to the general education requirement catalog description.

**Other Business:**

- A previous discussion about the possibility of tying approved general education courses to the catalog year was recapped. A new version of the proposed policy is needed before moving forward on this issue, partially because the current version does not address changes in category as in the Religious Studies courses above. When/If the new policy is adopted, it will need to be noted in the Curricular Submission Guidelines.
- Codes to be associated with transfer credit that is not directly match with a UT course but is judged as satisfying a general education requirement was shared by Alison Connor. No action is needed.
- The assessment of the university's general education requirements, including a long term plan, is still in the works.
- The time of the next regularly scheduled meeting will be changed to accommodate the chair, who has a conflict with the currently schedule.

**Adjournment:** Barbara Murphy adjourned the meeting at 9:20 a.m.

**Next Meeting:** The next meeting is scheduled for Wednesday, January 13, 2016, beginning at 8:00 a.m. in the Mary Greer Room (Room 258) of the Hodges Library.

**The University of Tennessee, Knoxville**
**General Education Committee**
**Minutes of the Meeting**
**January 13, 2016**

**Call to order:** A regular meeting of the General Education Committee was held in the Mary Greer Room (Room 258) of Hodges Library on January 13, 2016. The meeting was called to order by Barbara Murphy, Committee Chair, at 8:00 a.m.

**Members present:** Barbara Murphy, Chair, Jim Hall, Drew Paul, Harold Roth, Suzanne Wright, Chuck Collins, Joan Rentsch, Dixie Thompson, Kirsten Benson, Megan Bryson, John Haas, Cheryl Kojima, Jeff Larsen, Monique Anderson, Missy Parker, Anna Sandelli, and Madeline Standbridge

**Others present:** Alison Connor, R. J. Hinde, and Molly Sullivan

**Approval of the Minutes:** The minutes from the December 9, 2015, meeting were approved without opposition.

**Course Proposals:**
English 198, English 290, English 298, and German 370 were approved as satisfying the WC general education requirement.

**Other Business:**

- Catalog changes to the General Education Requirements page and the College of Arts and Sciences page were proposed to take into account the new English courses. (See attachment.) These were approved without opposition.
- A previous discussion about the possibility of tying approved general education courses to the catalog year was mentioned but not discussed due to time constraints. A new version of the proposed policy is needed before moving forward on this issue, partially because the current version does not address changes in category as in the Religious Studies courses above. When/If the new policy is adopted, it will need to be noted in the Curricular Submission Guidelines.
- Courses chosen to be assessed this term have been chosen. An updated plan of assessment should be ready soon.

**Adjournment:** Barbara Murphy adjourned the meeting at 8:50 a.m.

**Next Meeting:** The next meeting is scheduled for Wednesday, February 10, 2016, beginning at 8:30 a.m. in the Mary Greer Room (Room 258) of the Hodges Library.

(Attachment)

**REVISE TEXT**
(General Education Requirements page)

**I. Communicating through Writing (WC) (3 courses including English 101 and 102 or equivalent plus an approved writing-intensive course)**

Good writing skills enable students to create and share ideas, investigate and describe values, and record and explain discoveries – all skills that are necessary not only for professional success but also for personal fulfillment. Students must be able to write correctly, and they must be able to locate relevant information, evaluate its usefulness and quality, and incorporate it logically and ethically to support ideas and claims.

Courses in this area are expected to produce the following outcomes for students:

1. Students will demonstrate the ability to write clearly and correctly, employing the conventions of standard American English.
2. Students will demonstrate the ability to write effectively for different audiences and purposes, shaping content, organization, and style to correspond with appropriate disciplinary expectations and rhetorical contexts.
3. Students will demonstrate the ability to locate and use relevant, credible evidence to support ideas.
4. Students will demonstrate the ability to cite and document sources in keeping with appropriate disciplinary conventions.

Students may satisfy the first-year composition requirement in one of two ways:

- By completing 6 hours in English writing courses according to one of the following 4 sequences:
  - ENGL 101 and ENGL 102
  - ENGL 118 and ENGL 102. Students who earn a B or higher in 118 may complete their first-year composition requirement with ENGL 102, a sophomore-level course in the English department, or ENGL 355. The sophomore course, if designated AH, may also be used toward the Arts and Humanities General Education requirement. Eligibility for ENGL 118 will be determined by ACT or SAT scores.
  - ENGL 131 and ENGL 132
    Placement in ENGL 131 or 132 will be determined by TOEFL (or equivalent standardized test) scores.
  - ENGL 198 and ENGL 298 (for Chancellor's Honors Program students only)
- By earning credit for ENGL 101 through a College Board Advanced Placement Test and completing one additional course from the following:
  ENGL 102 or ENGL 290. Eligibility for ENGL 290 will be determined by ACT or SAT scores.

~~To satisfy this requirement, students take the first-year composition sequence, which may be met in one of way:~~

~~By completing 6 hours in English writing courses – either ENGL 101 and ENGL 102; or ENGL 118 and ENGL 102; or ENGL 131 and ENGL 132. Eligibility for ENGL 118 will be determined by ACT or SAT scores. Students who obtain a grade of A or B in 118 may complete their first-year composition requirement with ENGL 102, or with a sophomore-level course in the English department, or ENGL 355. The sophomore course, if designated AH, may also be used toward the Arts and Humanities General Education requirement.~~

Upon completion of ENGL 101 and ENGL 102 or their equivalent, students must take one other approved WC course. The WC course can be within the student's major or an elective.

**REVISE TEXT**
(College of Arts and Sciences main page)

**First-Year ~~First Year~~ English Composition**

Completing the University's first year English composition requirement equips students with the skills needed to write persuasive, logical and coherent essays in English; teaches students to read critically and to evaluate and cite sources in research; and helps students understand how to write effectively for different audiences and purposes. Students may satisfy ~~complete~~ this requirement in one of two ways.

- By completing 6 hours in English writing courses according to one of the following 4 sequences:
  - ENGL 101 and ENGL 102
  - ENGL 118 and ENGL 102. Students who earn a B or higher in 118 may complete their first-year composition requirement with ENGL 102, a sophomore-level course in the English department, or ENGL 355. The sophomore course, if designated AH, may also be used toward the Arts and Humanities General Education requirement.
  - ENGL 131 and ENGL 132
  - ENGL 198 and ENGL 298 (for Chancellor's Honors Program students only)

- By earning credit for ENGL 101 through a College Board Advanced Placement Test and completing one additional course from the following:
  - ENGL 102 or ENGL 290. Eligibility for ENGL 290 will be determined by ACT or SAT scores.

- ~~By completing 6 hours in English writing courses – either ENGL 101 and ENGL 102; or ENGL 118 and ENGL 102; or ENGL 131 and ENGL 132. Students who obtain a grade of B or higher in ENGL 118 may complete the first year English composition requirement with ENGL 102, or with a 200-level course in the English Department, or with ENGL 355. The 200-level English course may, if so listed, also be used toward one component of the college-wide Perspectives requirement.~~
- ~~By earning a score of 4 or 5 on the College Board Advanced Placement Test in Literature and Composition. (Students who take the Advanced Placement Test in Language and Composition, and earn a score of 4 or 5, will receive credit for ENGL 101 only.)~~

**First-Year ~~First Year~~ English Placement Information**

Eligibility for ENGL 118 - Honors: English Composition will be determined by ACT or SAT scores. Placement in ENGL 131 - Composition for Non-Native Speakers of English I will be determined by TOEFL (or equivalent standardized test) scores. All students enrolled in either ENGL 101 or ENGL 131 may simultaneously enroll in ENGL 103 - Writing Workshop I to receive additional instruction in writing. Selected students enrolled in either ENGL 101 or ENGL 131 will be placed in ENGL 103 based on ACT or SAT scores; these students may not drop ENGL 103 without departmental approval. Details are available from the English Department.

A student must complete the first-year ~~first year~~ composition requirement prior to enrolling in English courses numbered 200 or higher with the exception of ENGL 290 as described above.