

The University of Tennessee, Knoxville
Undergraduate Council
Minutes of Meeting
January 28, 2014
3:40pm – Black Cultural Center

MEMBERS PRESENT: Austin Arrowood, Richard Bayer, Richard Bennett, Kirsten Benson, Mari Beth Coleman, Jochen Denzler, George Drinnon, Dave Dupper, Rob Hardin, R.J. Hinde, Catherine Luther, Taylor Odle, Michael Palenchar, David Palmer, Masood Parang, Missy Parker, Amber Roessner, Harold Roth, John Stier, Dixie Thompson, Suzanne Wright

OTHER ATTENDEES: Monique Anderson, Ruth Darling, Sally McMillan, Cheryl Norris

The meeting was called to order at 3:40pm by Michael Palenchar, Vice Chair. He thanked members for their attendance given the inclement weather.

The minutes of the [October 22, 2013](#) and [November 12, 2013](#) meetings of the Undergraduate Council were approved.

Committee Reports

- **Academic Policy** – see page [U2495](#)
 - The five-year BA/MA program in philosophy was approved.
- **Advising (Parker)** – see page [U2496](#)
 - Missy Parker summarized the Advising Committee's recent discussions which included the new general education petition form, steps to increase transfer admissions, and progress on implementing uTrack for transfer students.
- **Appeals (NO REPORT)**
- **Associate Deans Group (McMillan)** – see pages [U2497-U2499](#)
 - Sally McMillan brought members up to speed on the latest Associate Deans Group meetings which focused on summer school, the advising audit, and the merger of SIF and general education funds.
- **UG Strategic Planning Team (McMillan)** – see pages [U2500-U2504](#)
 - Sally McMillan discussed recent planning team meetings which involved living/learning communities, service learning, student withdrawal data, and a potential "quick matrick" option under development for readmitted students.
- **Curriculum (Wright)** – see pages [U2505-U2724](#)
 - Suzanne Wright summarized the Curriculum Committee's work which included several academic discipline changes, new grading policies in foreign language courses, a new degree program in audiology and speech pathology, significant revisions to Arts and Sciences' college requirements, and revised uTrack text. All proposed changes were approved. Dr. McMillan will talk to Dr. High about how the Arts and Sciences changes (particularly QR) will impact the Tennessee Transfer Pathways.
- **General Education (Benson)** – see pages [U2725-U2727](#)

- Kirsten Benson submitted nine courses and one university honors topic which were approved. She also mentioned the committee's work to revise the descriptions and learning outcomes for the different gen ed categories.

Under new business, Sally McMillian announced a new math camp being piloted this summer for incoming students pursuing math-intensive majors who are academically underprepared (based on math ACT/SAT scores). The three-week, noncredit program will include intensive math instruction as well as career counseling. Students completing the program will take the math department's placement exam to determine if their math placement should be adjusted.

As a member of the Quality Enhancement Plan (QEP) team, Michael Palenchar noted that the group has compiled all of the feedback and survey results from faculty, staff, and students. They are working on narrowing down the options to one topic and recently met with Provost Martin to discuss next steps.

The meeting adjourned at 4:45pm.

ACADEMIC POLICY COMMITTEE REPORT

November 6, 2013 Meeting Minutes

The committee approved a new five-year BA/MA program in philosophy via an email vote.

Five-Year BA/MA Program, Philosophy—APPROVED

The Department of Philosophy offers a program in which qualified students may earn both a BA and MA in Philosophy in five years. This is accomplished by applying 9 hours of approved graduate courses to both the BA and MA.

Interested students typically apply for conditional admission to the program during, or immediately following, their third year of undergraduate study. A student will be conditionally admitted to the program only if he or she:

- is a declared Philosophy major;
- has completed at least 90 hours overall with a minimum GPA of 3.25; and
- has completed at least 15 hours in Philosophy with a minimum GPA of 3.5.

Applicants must also provide three letters of recommendation. Applicants are strongly encouraged, but not required, to have completed PHIL 235 and at least one 400-level Philosophy course. The Department may consider other relevant factors, such as an applicant's work experience and level of maturity, in deciding whether to conditionally admit students to the BA/MA program. Both the Department of Philosophy and the Graduate School must approve all conditional admissions into the BA/MA program. The Department will inform applicants of its decisions by the beginning of their fourth and final year of undergraduate study.

Both the Department Head (or designee) and the Graduate School must approve any course taken for graduate credit before the student satisfies all requirements for the BA. A student conditionally admitted to the BA/MA program may complete up to 9 hours of graduate credit to count toward both the BA and MA requirements. Only graduate courses taken after conditional admission into the BA/MA program may be used to satisfy the requirements of both degrees.

Conditional admission to the BA/MA program does not guarantee acceptance into either the Graduate School or the MA program in Philosophy. Students conditionally admitted into the BA/MA program at the start of their fourth year must apply that year for admission to both the MA program and the Graduate School. Such applicants must follow standard application procedures; in particular, they must submit GRE scores and a writing sample. If the student is accepted by both the MA program and the Graduate School, they will be fully admitted to the BA/MA program; they must then complete the standard curriculum for the MA program.

Students are ineligible for graduate assistantships until they satisfy all requirements for the BA degree.

Rationale: UT BA (Philosophy) students stand a much better chance of admission to a top PhD program if they apply with an MA and a Master's Thesis writing sample in hand. The proposed BA/MA puts them in a position to do so in five rather than six years. The proposal mirrors similar successful programs at Stanford, Georgia, Boston University, Boston College, Florida State, Arizona, Miami of Ohio, and many other well-regarded universities. Impact on Other Academic Units: None. Financial Impact: None.

ADVISING COMMITTEE REPORT

October 15, 2013 Meeting Minutes

1. **Welcome and Call to Order**
2. **General Education Petition Form** – Benson disseminated draft GENED petition form. Will go to UG Council at next meeting. Any suggestions, corrections please send directly to Benson. Final form will be available to colleges in fillable PDF format so they can post on websites to make available for students. See attached draft version.
3. **Transfer Admissions Update** – Knauth informed the committee about recent efforts for transfer admissions. An LDA admissions counselor position was created to boost transfer applications. Larry Long has been visiting all 62 community college campuses. A community college workshop is held in spring. Plans are in place to recruit directly from graduation lists from all of the community colleges except Chattanooga State. Open houses will have a transfer session built in. Have attended Tennessee Association of Collegiate Registrars and Admissions Officers fair. Transfer scholarship questions are built into the transfer application now. There will be an automatic scholarship award to transfer students who complete an AA or AS from TN community colleges and who bring in at least 3.0 transferable GPA. The award is available for fall or spring and provides \$1500 per year.
4. **uTrack and Transfer Students** – Warden informed the committee that plans are moving forward to initiate uTrack for transfer students beginning Fall 2015 rather than Fall 2016 as originally planned. The transfer task force is looking at options and will make recommendations for implementation. Warden noted that UT receives transfer students from over 300 institutions and 25% are from out of state.
5. **Plan for Walk-In Advising** – Business is holding walk-in advising for students during the two day registration period for each group of eligible students and will remain open for walk-ins after November 18th. Arts & Sciences believes they will not need to hold walk-ins as their appointments are on schedule to negate the need for walk-ins.
6. **TennACADA** – Hsyjulien October 25th, TennACADA will be hosting a Brown Bag Lunch in the UC Executive Dining Room from 11:00 am - 1:00 pm that will focus on information brought back.
7. **Announcements** - Multicultural Student Life has expanded its open tutoring hours to Monday through Thursday, from 2:00 – 8:00 PM. Attached is a list of all of our tutoring offerings. Early Alert – Mastrogiovanni announced that faculty are issuing alerts on students. Students marked at-risk show as such in GradesFirst. Phillips announced that New Student & Family Programs is recruiting for Transfer Guides (new position) in addition to Orientation Leaders. Curry announced that One Stop has a video "how to register" on their website.

Upcoming Meetings

Advising Committee (3:30 BCC 102-104), 11/12/13, 1/21/14, 2/18/14, 3/25/14, 4/22/14

ASSOCIATE DEANS GROUP REPORT

October 16, 2013 Meeting Minutes

Present: Sally McMillan (chair), George Dodds, Mary Gunther, Catherine Luther, Lane Morris, Masood Parang, Jason Smethers, Rita Smith, John Stier, and Dixie Thompson
Absent: Dave Dupper, RJ Hinde
Guests: Lisa Yamagata-Lynch
Notes taken by: Tachia Gay

Review and Approve Minutes

Lane Morris moved, George Dodds second. Minutes approved.

Agenda: Summer School

Yamagata-Lynch and Smethers provided an overview of summer school. Yamagata-Lynch gave an overview of work that has been done in planning for summer school and also briefed the group on the search for the summer school coordinator. Smethers reviewed several spreadsheets that are available to associate deans on SharePoint. These include information about waitlists, course data, credit hours, and timetable data. All of these data are designed to help associate deans and department heads make decisions about which courses to offer and when to cancel classes if needed. There are no longer any central mandates on size of class, but the funding model may make it undesirable to offer small sections.

Actions:

- Smethers will provide Yamagata-Lynch with access to summer data spreadsheets.
- Smethers will contact Jennifer Hardy about changing the default for summer school wait lists so that they are automatically turned "on."

Agenda: Data Mining Project

McMillan and Smethers gave an overview of a data mining project conducted by faculty in computer science that shows actual path to graduation for many years of UT students. The group reviewed several examples and discussed possible uses of the data. There was general agreement that the data could help in "testing" the validity of milestones. But we are too early in uTrack to do that testing now. McMillan asked for a volunteer who might want to test out the data more in the context of a single college. Morris volunteered.

Action:

- McMillan to connect Morris with CS faculty member to discuss possible future uses of data mining tool.

Agenda: Discussion of MFLC changes

Group briefly discussed MFLC changes that Hinde had sent by e-mail. No concerns were noted.

Other

Agenda items related to advising and uTrack were deferred until the next meeting because Darling and Hinde were not able to attend the October meeting.

McMillan briefly discussed the need for “actuals” for SIF spending and let associate deans know they would be receiving a specific request from Smethers.

McMillan also talked briefly about the need for making sure that whenever possible enrollment capacities be set to match classroom capacities. The group noted that this is often hard to do because of how bulk scheduling is managed. They suggested that it would be helpful to have Jennifer Hardy talk to a future associate dean’s meetings so that they can have a better understanding of process.

Morris asked for input on most desirable “prefix” for a proposed course in financial literacy.

Distributed Information

Summer school data tables

E-mail from Hinde regarding MFL

November 20, 2013 Meeting Minutes

Present: Sally McMillan (chair), George Dodds, Mary Gunther, RJ Hinde, Catherine Luther, Lane Morris, Masood Parang, Jason Smethers, and Dixie Thompson

Absent: Dave Dupper, Rita Smith, John Stier

Guests: Ruth Darling and Jennifer Hardy

Notes taken by: Tachia Gay

Review and Approve Minutes

George Dodds moved, Dixie Thompson second. Minutes approved.

Agenda: Advising Audit and Response – Ruth Darling

Darling joined the group to discuss the standards for academic advising. This includes faculty and professional advisor assessments. She shared with the group a handout that highlighted key factors from an evaluation study that was conducted by Jennifer Morrow in Education.

The evaluation questions covered:

- Overall knowledge of university and college policies, also national best practices
- Attitudes towards their role, perceptions of strengths and weaknesses, suggestions for improvement, attitudes towards work environment
- Behaviors during advising appointments

Response Rates

- 624 Advisors were solicited
- 285 Advisors participated (184 Faculty advisors and 31 Professional Advisors)

Survey Participants

- Gender of Advisors – 89% female faculty advisors, 45% female professional advisors
- Years of experience – 20% professional advisors > 10 years, 43% faculty advisors > 10 years.
- Degree attainment – Professional advisors – 93% Masters, Faculty advisors - 88% PhD

Suggestions for Advising from the Advisors

- Faculty Advisors
 - Value what they do
 - Need more professional advisors
 - Additional Training
 - Meetings with other Advisors
- Professional Advisors
 - Most had no suggestions
 - More contact with other advisors
 - Money for professional development

Actions:

- Darling to send report to directors and academic advisors
- Associate Deans to discuss assessments with advising directors as appropriate

Agenda: Classroom Utilization – Hardy

Hardy shared data with the associate deans about classroom utilization. Each received a customized report by college. In summary, it is important to make better use of classroom space.

Action:

- Hardy to send electronic copies of documents for each associate dean that summarized problems with capacity management by college

Agenda: SIF and General Education – McMillan and Adams

McMillan stated that starting in fall of 2013, the General Education fund will be tracked in the same way that SIF funds are tracked. This will allow for all of these central funds for instruction to follow demand. It will also allow for better reporting and analysis of how central teaching funds are used. The colleges most affected by this change are Arts & Sciences, Communication and Information, Education, Health, and Human Sciences, and Business Administration. McMillan will meet separately with the associate deans of those colleges to work through details of this transition.

Action:

- McMillan, Hinde, Luther, Thompson, Morrison, Adams and Smethers to meet at discuss SIF and General Education distribution and reporting requirements.

STRATEGIC PLANNING TEAM REPORT

November 4, 2013 Meeting Minutes

Present: Sally McMillan (chair), Betsy Adams, Richard Bayer, Ruth Darling, Denise Gardner, Mark Moon, RJ Hinde, Melissa Shivers and Jason Smethers

Guests: Frank Cuevas and Holly Rodden with Living Learning Communities

Notes taken by: Tachia Gay

Gardner moved that minutes of the last meeting be approved, Bayer seconded, the motion carried unanimously.

Agenda: Case Study of Assessment of Living/Learning Communities - Cuevas and Rodden

Frank Cuevas and Holly Rodden from housing joined the group to discuss assessment of Living/Learning Communities (LLCs). They distributed a handout that summarized guiding principles and assessments of the LLCs.

Rodden noted that 91% of students in the LLCs in AY 2011-2012, were retained. Rodden mentioned that it was difficult to analyze assessments due to lack of information and dissimilarities in survey questioning. Gardner stated that next year, LLC students will be coded as such in Banner. Darling also mentioned that GradesFirst will also have these students coded as well next year. This should help out with future LLC assessments. Currently, a paper EAB survey is handed out to students at the end of the year. Housing has a high return rate on these surveys and is using them to better understand student outcomes as they relate to housing.

Rodden highlighted in the handout that guiding principles have been established for a unified measurement set of expectations for LLCs. Rodden stated that she has also put together a group of student representatives from each LLC to provide feedback. Also, CAS standards have added LLC programs to their assessments and established guidelines for implementation. Last year Rodden distributed the CAS survey to about 900 LLC students; 115 responded to the survey. The results need to be reviewed with caution because most of the students who filled out the survey were in the Honors program and are high achieving students anyway.

Cuevas stated that in the future, faculty and staff need to have more preparation and guidelines when proposals are made to start a new LLC program. The guiding principles and learning outcomes will help. Rodden stated that a big issue is faculty involvement. She also stated that they are working on having more campus departmental sponsorships. Currently, LLC liaisons are mostly admin staff. Moon stated that getting involvement of probationary faculty would be a "harder sell" because they are more focused on teaching and scholarship and LLC involvement would be considered a service-related activity. Hinde stated that tenured faculty would be easier to recruit for service. However, the LLCs have to make sure that effective time with the students would be scheduled. Short-term commitments such as talking with students at a brown-bag would be most attractive to faculty.

Cuevas mentioned the importance of having common courses and/or linked courses to enhance the overall academic cohort feel in the LLCs. Right now, that is not being done in all communities. In some communities, the only common course is FYS 101. Smethers

highlighted that common sections of the courses should be reserved rather than just common courses.

Moon asked if this group of students directly affected freshman retention rates. Since roughly 800/4275 student participated in LLCs, would most of those students be retained anyway? The group noted that it is hard to make this determination without good cohort coding. But it is possible LLCs are attracting students who are already likely to be retained. A contributing factor is that the LLCs require a \$50 fee and they are also located in the more expensive dorms. LLCs currently lack diversity.

Cuevas stated that their current marketing strategy expresses value and importance of LLCs and student success. Marketing typically doesn't start until orientation now, but may need to begin earlier in the future. If students are recruited earlier, they could have a specialized orientation. Rodden also said that the LLC application will be pulled out of the Housing application and stand alone.

Possible "themed" LLCs were mentioned as being attractive to students. Shivers said that it is also important to get data on all of the LLC students to see how well they feel connected. Darling suggested that the LLC should be customized to certain types of freshman. McMillan requested a larger campus conversation on what a common goal could be for the LLCs to achieve. For example, should the focus be more on clustering students by academic focus or area of interest?

Action:

- Student Life will put together a task force to get broader campus input into the future direction of LLCs.

Agenda: Targeted Enrollment Goals

McMillan began the conversation with asking the group whether or not it would be a good idea to set more guidelines for 2014-2015 freshman class? Bayer said that the group needs to look at tuition and income goals. Revenue goals could enable more flexibility in thinking about balancing the class. Shivers asked what the diversity guidelines were for recruitment. Bayer stated that diversity itself is a moving target due to the definition of diversity changing consistently. Bayer stated that there is not a distinct number for diverse students during recruitment. It has to reflect critical mass. Lots of African American students also include themselves as multiracial and that makes it difficult to compare data. Shivers stated that she had spoken with parents who are concerned that they do not see the critical mass on campus when they visit -- not only among students, but also among faculty and staff. Darling stated that in the current recruiting environment many diverse students in the "middle" ACT range are not attracted to UT.

Actions:

- Bayer and Kari Aldridge will have a conversation with Vice Chancellor Rickey Hall about considering setting specific goals for diversity.
- Bayer and Adams will work on drafting a spreadsheet that allows us to estimate income based on shifts in student profiles (e.g., adding more out of state students).

Agenda: Review of the UG Tactics Team Chart

McMillan quickly reviewed the UG Tactics Team chart with the group and briefly brought attention to what is on the agendas and what things are being reported to the group. Action team will stay on the tactics team agenda until they are completed once. They will then move to the tracking chart for consideration by the planning team which will assess and decide whether they should be repeated and, if so, which office should become

responsible for them. The group also briefly discussed the need for the tactics, planning, and consortium to have clear mission statements.

Actions:

- Bayer and McMillan will try to reschedule tactics and planning meeting times so that Savage can attend
- McMillan will draft mission statements to clarify the roles of tactics, planning, and consortium groups.

December 2, 2013 Meeting Minutes

Present: Sally McMillan (chair), Richard Bayer, Ruth Darling, Melissa Shivers and Jason Smethers

Not Present: Betsy Adams, Denise Gardner, Mark Moon, RJ Hinde

Guests: Kelly Ellenburg with Service Learning

Notes taken by: Tachia Gay

1. Follow up on action items from November meeting:

Action Item	Done Y/N	Next follow-up date
Student Life will put together a task force to get broader campus input into the future direction of LLCs.	In Progress	January 2014
Bayer and Kari Aldridge will have a conversation with Vice Chancellor Rickey Hall about considering setting specific goals for diversity.	In Progress	January 2014
Bayer and Adams will work on drafting a spreadsheet that allows us to estimate income based on shifts in student profiles (e.g., adding more out of state students).	In Progress	March 2014

2. **Agenda: Case Study of the "S" Designation for Service Learning – Kelly Ellenburg**
 - a. **S Designation Proposal**
 - b. **Review Form**

Kelly Ellenburg coordinator for Service Learning joined the group to discuss the "S" designation for Service Learning courses. She noted that during the last application for the Carnegie "engaged" designation it became clear that we needed a clear campus understanding of service learning and more formal processes for identifying service learning courses. She has formed a Service Learning Steering Committee composed of Associate Deans, Center for Leadership and Service, Teaching and Learning Center, Library, and Career Services to define service learning and pilot a process for designating service learning courses.

The goal is to work with faculty and staff to develop curriculum with a service learning focus. This pilot will inform the process of getting a formal designation approved by undergraduate and graduate councils. Once approved, the "S" designation would appear in the catalog, timetable, and on the students' transcript.

Ellenburg expressed the importance setting and assessing outcomes for both the students and the community partners. Smethers questioned if the possible "S" form would differ from the SAIS form for the student to fill out.

The group discussed important factors such as making sure that the concept of service learning projects should not be confused with other things such as: practicums, internships, and other forms of experiential learning.

The group asked Ellenburg if there were currently any departments that are requesting service learning being added to the curriculum.

Ellenburg stated that different departments have different service learning ideas in mind; the important thing is that programs have integrity and a civic minded focus.

Ellenburg and the group discussed whether or not it was possible that promoting a service learning element to the community would attract "high level students" to the university.

The group also discussed assessment and concurred that the work already being done by Ellenburg and the Service Learning Steering Committee meets current assessment needs. In the future, when we have more history with implementation of the "S" designation, we may wish to do some retention studies that help us understand relationships between students who take these courses and retention, persistence, and graduation.

3. Agenda: Monthly Withdraw/Transcript Reports

Withdrawal surveys are being run through the one stop. They are summarizing information on why students are totally withdrawing.

Transcript request reports are being sent by the registrar to student success. Academic coaches then contact students who look like they are planning to transfer.

The group discussed three intended outcomes of these reports and follow ups. First would be to try to get students to change their minds about withdrawal or transfer. Evidence thus far suggests this is not a successful strategy. Second is to try to learn more about why students are leaving. This may have some value, but we need to look at a more systematic report. Third is to "show love" to students and see what we can do to help them return and be successful.

Bayer suggested that it might be good to run Clearing House reports on all students who leave to understand where they have gone. Then we could work on a more coordinated "re-recruitment" effort with these students.

Actions:

- Darling will get report on total Fall 2013 withdraws and transfers for the UG Planning Team meeting on Jan. 6th.
- Bayer will discuss a strategy for re-recruitment for these students during the UG Tactics Team meeting in January

4. Agenda: Registration Messaging and "Quick Matrick"

The group talked briefly about what we are learning from current messages to students who haven't yet registered. The messages to sophomores and freshmen were "split" between coming from the registrar and from the One Stop. Smethers will do some additional analysis to determine if the difference is significant. Bledsoe is developing a way for students who haven't registered as of December 11 to indicate that they are "sitting out." When we have data on these students, we will develop a "quick matrick" process to make it easier for them to return. The team also discussed the "why" behind these messages. After we have more data on impact, the team will decide if this needs to be continued and if so how to institutionalize the process.

Actions:

- Smethers will follow up on Registration Messaging for the UG Planning Team meeting on Jan. 6.

Bledsoe and Smethers will send out a final registration reminder on December 11 that will include a link to a form for students to self-identify as “sitting out” for a semester.

CURRICULUM COMMITTEE REPORT

Attendees: Mary Albrecht, Katherine Ambroziak, Monique Anderson, Mari Beth Coleman, George Drinnon, Betsy Gullet, R.J. Hinde, Sungkyu Lee, Catherine Luther, David Matthews, Cheryl Norris, David Palmer, Masood Parang, Jonathan Pettigrew, Chris Pionke, Gary Ramsey, John Stier, Richard Strange, Dixie Thompson, Suzanne Wright (chair)

The Curriculum Committee met on January 14, 2014, at 2:00pm in the Black Cultural Center. Curricular proposals from the areas listed below were reviewed and approved. The committee also discussed changes to the current uTrack language since another class of students will be monitored. Four potential options can be found on page 230. The meeting adjourned at 4:35pm.

- College of Agricultural Sciences and Natural Resources
- College of Architecture and Design
- College of Arts and Sciences
- College of Business Administration
- College of Communication and Information
- College of Education, Health and Human Sciences
- College of Engineering
- College of Nursing
- College of Social Work
- Intercollegiate Programs
- Haslam Scholars Program

* General education course

† Cross-listed course

\$ Course with fees

◆ Add or drop of major, concentration, minor

COLLEGE OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES

All changes effective Fall 2014

I. COURSE CHANGES

(AGNR) Agricultural Sciences and Natural Resources

DROP REGISTRATION PERMISSION

103 Introduction to Teambuilding (1)

Formerly: Consent of Instructor.

Rationale: Permission requirement was delaying ability for incoming students to register and seems superfluous as course is already limited to college living learning community members. Impact on other units: None. Financial impact: None.

DEPARTMENT OF ANIMAL SCIENCE

(ANSC) Animal Science

DROP WC GENERAL EDUCATION DESIGNATION

*\$280 Animal Science Biotechnology and Management (3)

Course Impact	
Course	Catalog Location
ANSC 280	Agr Leadership, Education and Communications major, Agr Education conc, Term 4
	Agr Leadership, Education and Communications major, Agr Extension Education conc, Term 2
	Agr Leadership, Education and Communications major, Agri Science conc, Term 2
	Animal Science major, Animal Industries conc, Term 3, Milestone Notes (Terms 3 and 5)
	Animal Science major, Bioscience conc, Term 3, Milestone Notes (Terms 3 and 5)
	Animal Science major, Pre-Vet Medicine 3+1 conc, Term 3, Milestone Notes (Terms 3 and 5)
	Animal Science major, Pre-Vet Medicine conc, Term 3, Milestone Notes (Terms 3 and 5)
	Environmental and Soil Sciences major, Conservation Agr and Environmental Sustainability conc, footnote 2
	Environmental and Soil Sciences major, Environmental Science conc, footnote 2
	Environmental and Soil Sciences major, Soil Science conc, footnote 2
	Animal Science minor, "Complete" heading
	PLSC 350 (RE) Prerequisite
	PLSC 380 (RE) Prerequisite
	PLSC 480 (RE) Prerequisite

Rationale: ANSC 280 is a required course for all ANSC students regardless of concentration. Enrollment for the course has increased from approx. 48 to now a cap of 90 each semester. This cap will likely increase again, as we had to turn students away the last two semesters. The course's main goal is to provide hands-on experience working with domestic animals. The dramatic increase in enrollment with no end in sight precludes a writing component. Many AH and CC courses are also WC; dropping WC from ANSC 280 will not put additional strain on either the students or any one WC course. Impact on other units: ALEC students have used the course for WC; ANSC had discussed with ALEC. Only 2 concentrations in ALEC will be affected (Extension Education and Agricultural Science); ALEC has identified other WC courses in the showcases listed in the Changes to Programs section. Financial impact: None.

DROP

†385 Veterinary Entomology (3)

Course Impact	
Course	Catalog Location
ANSC 385	Animal Science major, Animal Industries conc, footnote 7
	Animal Science major, Bioscience conc, footnote 3
	Animal Science major, Pre-Veterinary Medicine conc, footnote 3
	Animal Science minor—Select 9 hours: list
	Cross-listed with EPP 325

Rationale: The primary cross-listed course is being replaced with EPP 425, an upgrade of EPP 325 incorporating recently discovered biological and control data useful for undergraduate and graduate students. The course will be available for graduate credit. Impact on other units: None. Financial impact: None.

DEPARTMENT OF BIOSYSTEMS ENGINEERING AND SOIL SCIENCE**(BSE) Biosystems Engineering**

REVISE CREDIT HOURS

\$404 Engineering Project Management (3)

Formerly: (2)

Course Impact	
Course	Catalog Location
BSE 404	Biosystems Engineering major, Term 7
	Biosystems Engineering major, Pre-Professional conc, Term 7
	BSE 401 (RE) Corequisite
	BSE 402 (RE) Prerequisite
	BSE 444 (RE) Corequisite

Rationale: The course will cover the same material, but in slightly greater depth. The extra hour is freed up by changes to the Biology requirements. Impact on other units: None. Financial impact: None.

(BSET) Biosystems Engineering Technology

ADD

125 Fundamentals of Building Systems and Materials (3) Introduction to construction organization, building systems and construction materials. Emphasis on the building process including codes, zoning, material standards, standard practice, and sustainability.

225 Mechanical and Electrical Systems in Structures (3) Study of the systems and materials that comprise standard mechanical and electrical systems in structures. Introduction into related code organizations, standards, terminology, and basic design calculations. Discussion of how electrical, plumbing and heating/cooling/ventilating systems are integrated within a structure.
(RE) Prerequisite(s): 125.

425 Commercial Estimating with Computer Applications (3) Advanced estimation techniques and procedures associated with commercial construction. Analysis of costs developed from detailed construction systems leading to the preparation of bid proposals. Emphasis will be placed on estimating using commercially available computer software.
(RE) Prerequisite(s): 335.

Rationale: These courses round out the material needed for a comprehensive Construction Science program. Impact on other units: None. Financial impact: None, as these will be taught by a current Senior Lecturer paid for from special gifts and grants.

DROP

411 Construction Issues Seminar (1)

Course Impact	
Course	Catalog Location
BSET 411	Environmental and Soil Sciences major, Construction Science conc, Term 8

Rationale: As the comprehensive Construction Science program is developed, this survey seminar is no longer necessary. Impact on other units: None. Financial impact: None.

(ESS) Environmental and Soil Sciences

ADD

495 Professional Certificate Review (1) This team-taught class will help students review and prepare for the Fundamentals of Soil Science and Professional Practice exam leading to certification as a Professional Soil Scientist.

Rationale: Professional certifications have become critical in careers related to environmental and soil science. Impact on other units: None. Financial impact: None.

DEPARTMENT OF ENTOMOLOGY AND PLANT PATHOLOGY**(EPP) Entomology and Plant Pathology**

DROP

†325 Veterinary Entomology (3)

ADD

425 Medical and Veterinary Entomology (3) Identification, biology, and control of arthropods that are parasites of humans and animals. The course focuses on arthropods and their biology, life histories, habitats, hosts, and options for management. Review and discussion of sampling/monitoring methods and decision-making guidelines to managing vector-borne diseases is also addressed.

Credit Hour Distribution: 2 hours lecture and 1 lab.

Equivalency Table

Current Course Entomology and Plant Pathology (EPP)	Equivalent Course Effective Fall 2014 Entomology and Plant Pathology (EPP)
325	425

Course Impact

Course	Catalog Location
EPP 325	Animal Science major, Animal Industries conc, footnote 7
	Animal Science major, Bioscience conc, footnote 3
	Animal Science major, Pre-Veterinary Medicine conc, footnote 3
	Environmental and Soil Sciences major, Agr Systems Technology conc, footnote 2
	Entomology and Plant Pathology minor, "Select 15 hours" heading
	Cross-listed with ANSC 385

Rational: This course is being replaced with EPP 425. The course has not been upgraded for over a decade. The new course will be an upgrade of EPP 325 incorporating recently discovered biological and control data useful for undergraduate and graduate students. The course will be available for graduate credit. Impact on other units: ANSC 385 (cross-listed course) will not have an instructor. Financial impact: None.

REVISE TITLE

321 Introductory Entomology (3)

Formerly: Economic Entomology.

Rational: New title is more descriptive of course content. Impact on other units: Require course name change in departments listing the course as an elective, though none in CASNR appear to have it listed. Financial impact: None.

ADD CONTACT HOUR DISTRIBUTION

313 Plant Pathology (3)

Contact Hour Distribution: 2 hours and 1 lab.

Rationale: Four years ago, the lab was removed from EPP 313. Class evaluations by students have strongly stated a desire of students to have a 'hands on' experience with diseased specimens. The instructor agrees that a formal lab would reinforce principles that are being covered in lecture. The outside department review panel (conducted three years ago) and the department's curriculum committee have also recommended that EPP 313 return to a lab format. Impact on other units: None. Financial impact: Due to increase in class size, it will be difficult to conduct the lab in less than three lab sessions. The estimated cost of each lab section is \$500.

DEPARTMENT OF FORESTRY, WILDLIFE & FISHERIES**(FORS) Forestry**

REVISE CREDIT HOURS

433 Urbanization and Urban Soils (1)

Formerly: (2)

Course Impact

Course	Catalog Location
FORS 433	Forestry major, Urban Forestry conc, Term 7

435 Trees and the Law (2)

Formerly: (1)

Course Impact	
Course	Catalog Location
FORS 435	Forestry major, Urban Forestry conc, Term 7

Rationale: Courses were designed to have the proposed credit structure originally. Mistake was not noticed until courses were being taught for the first time this semester. Both courses are being taught Fall 2013 based on the credits stated in the catalog, but will be developed in the future based on proposed structure. Impact on other units: None. Financial impact – none – one instructor is responsible for both classes, so no change in teaching responsibilities will be needed.

(FWF) Forestry, Wildlife and Fisheries

ADD

325 Wildlife Vegetation and Habitat (3) Introduction to interactions between plants and wildlife, including species of conservation concern. Emphasis is on plant species that comprise east Tennessee's primary wildlife habitats, and the utility of vegetation data in management. Students will be required to participate in at least one day-long field trip.
Contact Hour Distribution: 2 hour lecture and 1 hour lab.

Rationale: Course will allow students to become more proficient at identifying plants and the importance of specific plants for wildlife species. The course also will assist students meet the 'Botany' requirement of The Wildlife Society's 'Associate Wildlife Biologist' certification program. Impact on other units: None. Financial impact: Course is being offered by new faculty member as part of their teaching responsibilities.

499 Undergraduate Research (1-3) Experience in research projects under supervision of staff members. Student should make arrangements for research project with instructor prior to enrollment.
Repeatability: May be repeated. Maximum 12 hours.
Registration Permission: Consent of instructor.

Rationale: Course will allow students to receive credit for participation in research. Impact on other units: None. Financial impact: None – students currently are participating in research; course will allow them to receive credit for their efforts.

ADD AND REQUEST APPROVAL FOR VARIABLE TITLE

490 Topics in Forestry, Wildlife and Fisheries (1-3) Current issues and problems in forestry, wildlife and fisheries.
Repeatability: May be repeated. Maximum 6 hours.

Rationale: Course will allow faculty to offer courses focused on current topics in natural resources on a one-time basis or as an experimental course. Impact on other units: None. Financial impact: Minimal – similar courses are offered currently as independent study. This will allow for variable titles and more accurately reflects the nature of the courses.

REVISE CONTACT HOUR DISTRIBUTION, REVISE (RE) PREREQUISITE

\$313 Measurements and Sampling (3)

Contact Hour Distribution: 2 hours and 1 lab.

(RE) Prerequisite(s): Statistics 201 or Mathematics 115.

Formerly: Contact Hour Distribution: 1 hour and 1 lab.

(RE) Prerequisite(s): Statistics 201.

Rationale: A minimum of 2 hours of lecture per week is required to provide students with the theoretical background to accomplished field-based exercises in lab. The current listing of only a single lecture hour is inaccurate. FWF 313 is a required course for students in both the Forestry and Wildlife and Fisheries Science majors. However, Forestry requires students to complete STAT 201, while Wildlife and Fisheries Science allows students to complete either STAT 201 or MATH 115. The instructor of FWF 313 has determined that either statistics course provides sufficient background to allow students to be successful in FWF 313. Students enrolling in FWF 313 have been given permission to use MATH 115 as a substitute for STAT 201 on a regular basis. Impact on other units: Enrollment in MATH 115 and/or STAT 201 should not be affected. Financial impact: None.

(WFS) Wildlife and Fisheries Science

ADD

100 Introduction to Wildlife and Fisheries Science (1) Introduction to wildlife and fisheries management; review of research and management topics in wildlife and fisheries and current issues.

Rationale: First semester course will serve as an introduction to wildlife and fisheries by exploring a range of topics within wildlife and fisheries and introducing students to the department. Impact on other units: None. Financial impact: Minimal – course will be taught by new faculty member as part of their teaching responsibilities.

351 Wildlife Law Enforcement (1) Introduction to laws and policies related to wildlife and fisheries, wildlife law enforcement principles and practices, and career opportunities.

Rationale: Wildlife law enforcement is a major employment opportunity for wildlife and fisheries management graduates. The course provides an overview of the profession. Impact on other units: None. Financial impact: minimal – currently being offered as a special topics course.

DEPARTMENT OF PLANT SCIENCES

(PLSC) Plant Sciences

ADD

391 International Studies: International Travel Experience in Plant Sciences (1-3) Participation in selected Plant Sciences-related programs in foreign countries.

Repeatability: May be repeated. Maximum 6 hours.

Registration Permission: Consent of instructor.

Rationale: Allows more options for international travel and study credit. Primarily intended for mini-term courses. Impact on other units: None. Financial Impact: None.

456 Turfgrass Weed Science (2) Identification of turf adult and seedling weeds, applied chemical control strategies, integrated weed management (including mechanical and cultural practices). Concepts discussed will include turfgrass weed ecology and invasiveness, herbicide regulations and an overview of select herbicidal modes of action.

Credit Restriction: Students may not receive credit for both 456 and 556.

Comment(s): Offered first session Spring in alternate, odd-numbered years.

Rationale: Course content developed by new faculty in support of curricular content missing within major concentration area. The addition reflects current student interest and professional need at the undergraduate level. Impact on other units: None. Financial impact: None. Taught by existing faculty in conjunction with at-hire job responsibilities.

DROP

\$343 Turfgrass Entomology (1)

ADD

\$443 Turfgrass Entomology (2) Biological study and collection of arthropods that challenge maintenance of healthy grasses, turf, and sod. Review and discussion of sampling/monitoring strategies and decision-making guidelines to help manage turfgrass pests.

Credit Restriction: Students may not receive credit for both 443 and 543.

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

Comment(s): Offered first session Spring in alternate, even-numbered years.

Equivalency Table

Current Course Plant Sciences (PLSC)	Equivalent Course Effective Fall 2014 Plant Sciences (PLSC)
343	443

Course Impact

Course	Catalog Location
PLSC 343	Animal Science major, Animal Industries conc, footnote 7
	Animal Science major, Bioscience conc, footnote 3
	Animal Science major, Pre-Veterinary Medicine conc, footnote 3
	Plant Sciences major, Turfgrass Science and Management conc, Term 6

Rationale: Student and faculty assessment of existing course content for PLSC 343 validated need to extend access to graduate students and update credit hours to reflect instructor-expected workload. Additional content will be presented via guest lectures and within mini-term schedule. Impact on other units: None. Financial impact: None.

DROP

341 Integrated Turfgrass Management and Environmental Benefits (2)

Course Impact	
Course	Catalog Location
PLSC 341	Animal Science major, Animal Industries conc, footnote 7
	Animal Science major, Bioscience conc, footnote 3
	Animal Science major, Pre-Veterinary Medicine conc, footnote 3
	Plant Sciences major, Turfgrass Science and Management conc, Term 6

Rationale: Course content is being blended into PLSC 466 to better reflect curricular need and instructor appointment. Impact on other units: None.
Financial impact: Possible savings from more efficient use of limited teaching FTE resources. Faculty FTE is being repositioned to support of other curricular needs.

REVISE TITLE, REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE, ADD CREDIT RESTRICTION, ADD COMMENT

442 Turfgrass Root-zone Construction (2)

Credit Restriction: Students may not receive credit for both 442 and 542.

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

Comments: Offered first session Spring.

Formerly: Turf Root-zone Construction

(RE) Prerequisite(s): 240 and Biology 112.

(DE) Prerequisite(s): Biology 111.

Rationale: Adding credit restriction so graduate students don't take both 442 and 542. Revised prerequisites simplify requirements for students transferring from other colleges on campus. Impact on other units: None. Financial impact: None.

REVISE CREDIT HOURS, REVISE DESCRIPTION, ADD COMMENT

466 Turfgrass Strategies (3) Case studies of turfgrass management issues and discussion of their resolution with a focus on large scale environmental impacts. Development of problem solving skills in areas related to turfgrass management.

Comment(s): Offered first session Spring.

Formerly: (2) Case studies of turfgrass management issues and discussion of their resolution. Development of problem solving skills in areas related to turfgrass management.

Course Impact	
Course	Catalog Location
PLSC 466	Plant Sciences major, Turfgrass Science and Management conc, Term 6

Rationale: Course is absorbing content from PLSC 341 to better reflect curricular need and instructor appointments. Impact on other units: None.
Financial impact: More efficient use of limited teaching FTE resources. Faculty FTE is being repositioned to support other curricular needs.

REVISE DESCRIPTION

115 Plants for Health, Aesthetics, and Recreation (3) Introduction to a wide variety of plants used in different cultures and society to enhance health, beautify surroundings and facilitate recreational activities. Exploration of how cultures value their trees, flowers, vegetables, fruits, herbs and grasses, with emphasis on landscaping, people/plant interactions, sports turf, organic gardening and nutrition. Students will be exposed to broad global perspectives on plants that have changed the world and the people who live in it.

Formerly: Introduction to a wide variety of plants used in different cultures and society to enhance health, beautify surroundings and facilitate recreational activities. Exploration of how cultures value their trees, flowers, vegetables, fruits, herbs and grasses, with emphasis on landscaping, people/plant interactions, sports turf, organic gardening and nutrition.

435 Field and Forage Crops (3) Agronomic principles of forage and field crop production, establishment, fertilization and management practices will be discussed using forage crops as the primary model.

Formerly: Agronomic principles of crop production and management. Crop improvement, cropping systems, tillage, fertilization, pest management, and harvest and utilization of major field and forage crops.

***491 International Study: History and Culture of International Gardens and Landscapes (3)** International travel experience will provide opportunities to learn how historic estates, gardens, and arboreta reflect the climate, topography, history, philosophical social structure, art and politics at the time of their creation. Course will focus on observation of local plant material, study of different garden and landscape design styles, and will foster an appreciation of international cultures.

Formerly: International travel experience will provide opportunities to learn how European historic estates, gardens, and arboreta reflect the climate, topography, history, philosophical social structure, art and politics at the time of their creation. Course will focus on observation of local plant material, study of different garden and landscape design styles, and will foster an appreciation of international cultures.

Rationale: Description is being changed to better reflect actual course content. Impact on other units: None. Financial impact: None.

REVISE DESCRIPTION, REVISE (RE) PREREQUISITE

\$434 Fruit and Vegetable Crops (3) Botanical description, geographical distribution, general cultural practices of warm and cool season vegetables, small fruits, and deciduous tree fruits.

(RE) Prerequisite(s): 210 or Biology 111 or 112 or consent of instructor.

Formerly: Botanical description, geographical distribution, general cultural practices of warm and cool season vegetables, small fruits, and deciduous tree fruits. A Saturday field trip is required.

(RE) Prerequisite(s): 210.

Rationale: Description is being changed to better reflect actual course content. Prerequisites are being modified to expand class availability for students. Impact on other units: None. Financial impact: None.

REVISE DESCRIPTION, REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE, ADD CREDIT RESTRICTION, ADD COMMENT

441 Advanced Turfgrass Management (2) Principles and scientific basis of turfgrass culture. Adaptation, ecology, physiology, climatic influences on grass culture, mowing, water management, and design impacts are discussed.

Credit Restriction: Students may not receive credit for both 441 and 541.

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

Comments: Offered first session Spring.

Formerly: Principles and scientific basis of turfgrass culture. Adaptation, ecology, physiology, climatic influences on grass culture. Clipping, water management, and design.

(RE) Prerequisite(s): 240 and Biology 112.

(DE) Prerequisite(s): Biology 111.

Rationale: Adding credit restriction so graduate students don't take 541 if received credit for 441. Description is being changed to better reflect actual course content. Prerequisites are being modified to expand class availability for students. Impact on other units: none. Financial impact: None.

REVISE DESCRIPTION, ADD CREDIT RESTRICTION, ADD COMMENT

438 Turfgrass Pathogens and Management (2) Identification, classification, and management of turfgrass pathogens. Recommendations and development of management plans for golf course, athletic field, and home lawn turfgrasses.

Credit Restriction: Students may not receive credit for both 438 and 538.

Comments: Offered first session Spring.

Formerly: General principles and techniques used in plant modification. Principles of molecular and transmission genetics as applied to plant biotechnology and plant improvement.

Rationale: Adding credit restriction so graduate students don't take 538 if received credit for 438. Description is being changed to better reflect actual course content. Impact on other units: None. Financial impact: None.

REVISE (RE) PREREQUISITE

210 Horticulture: Principles and Practices (3)

(RE) Prerequisite(s): Biology 111 or 112 or consent of instructor.

Formerly: Biology 111-112 or consent of instructor.

\$430 Greenhouse Management (3)

(RE) Prerequisite(s): 210 or consent of instructor.

Formerly: (RE) Prerequisite(s): Agriculture and Natural Resources 291 and 292; or Computer Science 100.

452 Plant Biotechnology and Genetics (3)

(RE) Prerequisite(s): Biology 111 or 112 or consent of instructor.

Formerly: Biology 111-112 or consent of instructor.

\$454 Plant Biotechniques (3)

(RE) Prerequisite(s): Biology 111 or 112.

Formerly: Biology 111-112.

485 Computer Aided Landscape Design (3)

(RE) Prerequisite(s): 380.

Formerly: 380 and Computer Science 100.

Rationale: Prerequisites are being changed to better reflect catalog changes elsewhere and to expand class availability for students. Impact on other units: None. Financial impact: None.

REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE

348 Landscape Plant Physiology (3)

(RE) Prerequisite(s): Biology 111 or 112.

Formerly: (RE) Prerequisite(s): Biology 112.

(DE) Prerequisite(s): Biology 111.

Rationale: Prerequisites are being changed to better reflect catalog changes elsewhere and to expand class availability for students. Impact on other units: None. Financial impact: None.

II. PROGRAM CHANGES

REVISE COLLEGE TEXT (PERSONNEL LIST)

Add Craig Pickett, Coordinator for Student Life and Diversity

REVISE COLLEGE TEXT (MAJORS, CONCENTRATIONS, AND DEPARTMENTS HEADING, LAST PARAGRAPH)

Students must maintain a grade point average of at least 2.0 in all courses in majors and/or minors offered by the College of Agricultural Sciences and Natural Resources. Only one grade of **D+ or D C-, D+, or D** is allowed in the major and/or minor. No grades of D- or F are acceptable for courses in the major and/or minor. In instances where a student earns a second grade of **D+ or D C-, D+, or D**, or in any instance where a student earns a grade of D- or F in major and/or minor courses required to meet graduation requirements, students must repeat courses and earn a grade of **C- C** or better prior to the awarding of the degree.

Rationale: The CASNR undergraduate advisory council determined that the original intent of allowing grades of C included C- grades, as many instructors do not use minuses or pluses. Impact on other units: None. Financial impact: None.

REVISE AGRICULTURAL SCIENCES AND NATURAL RESOURCES EXPLORATORY MAJOR

Term 1	Hours	Milestone Notes
AGNR 100, AGNR 291	2	2.0 cumulative GPA
ALEC 102 or PLSC 115	3	
¹ Biological Sciences Elective*	3-4 4	
ENGL 101* or ENGL 118*	3	
² Quantitative Reasoning Elective*	3-4	
Term 2		
AGNR 292	1	One general education elective*
² Arts & Humanities Elective*	3	
¹ Biological Sciences Elective*	4-5 4	
ENGL 102*	3	
³ FDST 150*	3	
PYED Elective	1	

¹ Biological Sciences Elective—Select sequence from BIOL 101*-BIOL 102*, BIOL 111*-BIOL 112*, **BIOL 150*-BIOL 160*-BIOL 159*, or BIOL 158*-BIOL 168*-BIOL 159* BIOL 130*-BIOL 140*, or BIOL 138*-BIOL 148***. Meets a Natural Sciences (NS) General Education requirement. Students choosing **BIOL 150*-BIOL 160*-BIOL 159* BIOL 130*-BIOL 140*** should take CHEM 120*-CHEM 130* for their physical science electives.

Rationale: Reflects recent course changes from the division of biological sciences. Impact on Other Units: None. Financial Impact: None.

DEPARTMENT OF AGRICULTURAL AND RESOUE ECONOMICS

REVISE FOOD AND AGRICULTURAL BUSINESS MAJOR

Term 1	Hours	Milestone Notes
AREC 110	1	One general education elective*

¹ Biological Sciences Elective*	4	
² Cultures and Civilizations Elective*	3	
ENGL 101* or ENGL 118*	3	
MATH 123*	3	

¹ Chosen from BIOL 101*, BIOL 102*, ~~BIOL 130*~~, ~~BIOL 140*~~.

Rationale: Recent course changes from the division of biological sciences. Impact on Other Units: None. Financial Impact: None.

REVISE NATURAL RESOURCE AND ENVIRONMENTAL ECONOMICS MAJOR

Term 1	Hours	Milestone Notes
AREC 110	1	One general education elective*
¹ Biological Sciences Elective*	4	
ENGL 101* or ENGL 118*	3	
ESS 120*	3	
MATH 123*	3	

¹ Chosen from BIOL 101*, BIOL 102*, BIOL 111*, BIOL 112*, ~~BIOL 130*~~, ~~BIOL 138*~~.

Rationale: Recent course changes from the division of biological sciences. Impact on Other Units: None. Financial Impact: None.

DEPARTMENT OF AGRICULTURAL LEADERSHIP, EDUCATION AND COMMUNICATIONS

REVISE AGRICULTURAL LEADERSHIP, EDUCATION & COMMUNICATIONS MAJOR, AGR COMMUNICATIONS CONC

Term 1	Hours	Milestone Notes
ALEC 101	1	2.0 cumulative GPA
ENGL 101* or ENGL 118*	3	
MATH 113* or MATH 117*	3	
¹ Physical Science Elective*	4	
Plant Sciences Elective (any PLSC course)	3	
² Quantitative Reasoning Elective*	3	
Term 5		
⁵ Agricultural Sciences and Natural Resources Elective	3	2.0 cumulative GPA
Animal Science Elective (any ANSC course)	3	CCI 150
² Arts and Humanities Elective*	3	
Biosystems Engineering Technology Elective (any BSET course)	3	
JREM 400	3	
JREM 412* or JREM 451* or JREM 456*	3	
Term 6		
⁵ Agricultural Sciences and Natural Resources Elective	3	2.0 cumulative GPA
ALEC 340, ALEC 412	3 4	JREM 200*
² Cultures and Civilizations Elective*	3	
Forestry, Wildlife and Fisheries Elective (any FORS, FWF, or WFS course)	3	
Plant Sciences Elective (any PLSC course)	3	
Term 7		
ALEC 440*, ALEC 492	9	2.0 cumulative GPA
⁶ Unrestricted Electives	6 5	ALEC 211

* Meets University General Education Requirement.

¹ Select two courses (8 hours) from chemistry, physics, geology, ESS 210; GEOG 131*, GEOG 132*, GEOG 137*. CHEM 130* is a corequisite to BIOL ~~160*~~ ~~140*~~. Therefore, students who choose ~~BIOL 150*~~ ~~BIOL 160*~~ ~~BIOL 159*~~ ~~BIOL 130*~~ ~~BIOL 140*~~ should take CHEM 120*-CHEM 130* for their physical science electives. BIOL 111*-BIOL 112* has no chemistry requirement.

² Chosen from the University General Education list.

³ AREC 201* (4) or ECON 201* (4) satisfies the University General Education--Social Science requirement and the major requirement for economics. If the student transfers ECON LD for 3 credits, it will satisfy the major requirement but will not satisfy the General Education--Social Sciences requirement. In these cases, the student should take two courses from the Social Sciences list.

⁴ Select sequence (8 hours) from BIOL 101*-BIOL 102*, BIOL 111*-BIOL 112*, ~~BIOL 150*-BIOL160*-BIOL 159* BIOL 130*-BIOL 140*~~, or ~~BIOL 158*-BIOL168*-BIOL 159* BIOL 138*-BIOL 148*~~. BIOL 160* 140* has a CHEM 130* corequisite, so students who choose ~~BIOL 150*-BIOL160*-BIOL 159* BIOL 130*-BIOL 140*~~ should take CHEM 120*-CHEM 130* for their physical science electives. BIOL 111*-BIOL 112* has no chemistry requirement.

⁵ The Agricultural Sciences and Natural Resources ~~electives~~ **Elective** may be selected from any courses in the college not already required for the major.

⁶ Any courses not already required for the major.

Rationale: Changing the math requirement allows students the opportunity to take a higher level math course. Dropping the Biosystems Engineering Technology elective in place of a CASNR elective allows students the opportunity to take an additional three hours in an agricultural content area related to their future career goals. Dropping ALEC 412 because there aren't enough faculty or students to offer the seminar. Dropping JREM 412 because the School of Journalism and Electronic Media is getting rid of the course. Increasing electives allows students the opportunity to take an additional course related to their future career goals. Impact on other units: Negligible. Financial impact: None.

REVISE AGRICULTURAL LEADERSHIP, EDUCATION & COMMUNICATIONS MAJOR, AGR EDUCATION CONC

Term 1	Hours	Milestone Notes
ALEC 101	1	2.5 cumulative GPA
¹ AREC 201* or ECON 201*	4	
² Biological Sciences Elective*	4	
ENGL 101* or ENGL 118*	3	
MATH 113*	3	
⁴ Quantitative Reasoning Elective*	3	
Term 4		
ALEC 211	3	2.5 cumulative GPA
ANSC 160 or ANSC 280*	3	ENGL 102*
AREC 212	3	
⁴ Arts and Humanities Elective*	3	
PLSC 220 or PLSC 221	3	
Term 6		
ALEC 345	3	2.5 cumulative GPA
ANSC 280	3	ALEC 211
ANSC 430	3	
BSET 452	3	
FDST 150*, FDST 241	6 3	
FORS, FWF or WFS Elective	3	
PLSC 250*	3	

* Meets University General Education Requirement.

¹ AREC 201* (4) or ECON 201* (4) satisfies the University General Education--Social Science requirement and the major requirement for economics. If the student transfers ECON LD for 3 credits, it will satisfy the major requirement but will not satisfy the General Education--Social Sciences requirement. In these cases, the student should take two courses from the Social Sciences list.

² Select sequence (8 hours) from BIOL 101*-BIOL 102*, BIOL 111*-BIOL 112*, ~~BIOL 150*-BIOL160*-BIOL 159* BIOL 130*-BIOL 140*~~, or ~~BIOL 158*-BIOL168*-BIOL 159* BIOL 138*-BIOL 148*~~.

³ Select one course (4 hours) from chemistry, physics, geology, ESS 210; GEOG 131*, GEOG 132* GEOG 137*. CHEM 130* is a corequisite to BIOL 160* 140*. Therefore, students who choose ~~BIOL 150*-BIOL160*-BIOL 159* BIOL 130*-BIOL 140*~~ should take CHEM 120*-CHEM 130* for their physical science electives. BIOL 111*-BIOL 112* has no chemistry requirement.

⁴ Chosen from the University General Education list.

Rationale: Changing the math requirement allows students the opportunity to take a higher level math course. Based on the new school-based agricultural education requirements, requiring students to complete ANSC 160 and ANSC 280 is more appropriate than ANSC 160 or ANSC 280 and ANSC 430. Based on the new school-based agricultural education requirements, a reduction in BSET hours and an increase in FDST hours is appropriate. Impact on other units: Slight increase in enrollment of FDST 241. Financial impact: None.

REVISE AGRICULTURAL LEADERSHIP, EDUCATION & COMMUNICATIONS MAJOR, AGR EXTENSION EDUCATION CONC

Term 1	Hours	Milestone Notes
¹ Agricultural Sciences and Natural Resources Elective	3	2.5 cumulative GPA
ALEC 101	1	
² Biological Sciences Elective*	4	
ENGL 101* or ENGL 118*	3	
MATH 113* or MATH 117*	3	
⁵ Quantitative Reasoning Elective*	3	

Term 2		
ALEC 211	3	2.7 cumulative GPA
ANSC 160 or ANSC 280*	3	ENGL 101*
² Biological Sciences Elective*	4	
ENGL 102*	3	
MATH 115*	3	
Term 3		
ALEC 201, ALEC 240*	4	2.7 cumulative GPA
³ AREC 201* or ECON 201*	4	MATH 113* or higher
⁴ Physical Science Elective*	4	
PLSC 220 240	3	
Term 4		
¹ Agricultural Sciences and Natural Resources Elective	3	2.7 cumulative GPA
ANSC 220	3	ENGL 102*
AREC 212	3	
ESS 210	4	
PSYC 110* or PSYC 117* or EDPY 210*	3	
Term 5		
AREC 315	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 6		
ALEC 345, ALEC 412	3 4	2.7 cumulative GPA
⁵ Arts and Humanities Electives*	6	ALEC 211
FORS, FWF or WFS Elective	3	
PLSC 250*	3	
Term 7		
⁴ Agricultural Sciences & Natural Resources Elective	3	2.7 cumulative GPA
ALEC 440*	3	ALEC 345
ALEC 434, ALEC 492	9	
BSET 412	3	
⁶ Unrestricted Elective	2 4	
Term 8		
¹ Agricultural Sciences and Natural Resources Electives	6	
ANSC 280* 430	3	No milestones
BSET 432, BSET 462	6	
PLSC 221 330 or PLSC 430	3	
⁶ Unrestricted Elective	3	
TOTAL	120	

* Meets University General Education Requirement.

¹ Agricultural Sciences and Natural Resources Electives may be selected from any courses in the college not already required for the major.

² Select sequence from BIOL 101*-BIOL 102*, BIOL 111*-BIOL 112*, ~~BIOL 150*-BIOL 160*-BIOL 159* BIOL 130*-BIOL 140*~~, or ~~BIOL 158*-BIOL 168*-BIOL 159* BIOL 138*-BIOL 148*~~.

³ AREC 201* (4) or ECON 201* (4) satisfies the University General Education--Social Science requirement and the major requirement for economics. If the student transfers ECON LD for 3 credits, it will satisfy the major requirement but will not satisfy the General Education--Social Sciences requirement. In these cases, the student should take two courses from the Social Sciences list.

⁴ Select one course (4 hours) from chemistry, physics, geology, ESS 210; GEOG 131*, GEOG 132* GEOG 137*. CHEM 130* is a corequisite to BIOL ~~160* 140*~~. Therefore, students who choose ~~BIOL 150*-BIOL 160*-BIOL 159* BIOL 130*-BIOL 140*~~ should take CHEM 120*-CHEM 130* for their physical science electives. BIOL 111*-BIOL 112* has no chemistry requirement.

⁵ Chosen from the University General Education list.

⁶ Any courses not already required for the major.

Rationale: Changing the math requirement allows students the opportunity to take a higher level math course. Based on the new school-based agricultural education requirements, requiring students to complete ANSC 160 and ANSC 280 is more appropriate than ANSC 160 or ANSC 280 and ANSC 430. Requiring PLSC 220 and 221 over 330 and 430 because they are more appropriate and align with the concentrations BIOL requirements. Based on the new school-based agricultural education requirements, a reduction in BSET hours and an increase in CASNR electives allows students the opportunity to take additional hours in an agricultural content area related to their future career goals. Adding EDPY 210 as an option with PSYC courses (extension agents are informal educators. Dropping ALEC 412 because not enough faculty or students to offer the

seminar. Adding ALEC 440 for WC requirement (ANSC 280 is dropping WC designation). Impact on other units: Minimal enrollment changes. Financial impact: None.

REVISE AGRICULTURAL LEADERSHIP, EDUCATION & COMMUNICATIONS MAJOR, AGR LEADERSHIP CONC

Term 1	Hours	Milestone Notes
ALEC 101, ALEC 103	4	2.0 cumulative GPA
¹ Biological Sciences Elective*	4	
ENGL 101* or ENGL 118*	3	
MATH 113* or MATH 117*	3	
⁵ Quantitative Reasoning Elective*	3	
Term 5		
Agricultural and Resource Economics Elective (any AREC course)	3	2.0 cumulative GPA
Biosystems Engineering and Technology Elective (any BSET course)	3	ALEC 102 or ALEC 103
⁵ Cultures and Civilizations Electives*	6	
EPP 313 or EPP 321	3	
Plant Sciences Elective (any PLSC course)	3	
Term 6		
Agricultural and Resource Economics Elective (any AREC course)	3	2.0 cumulative GPA
ALEC 303, ALEC 304, ALEC 340	9 6	ALEC 102, ALEC 103
ANSC 495	1	
⁵ Arts and Humanities Electives*	3	
Term 7		
ALEC 440*	3	2.0 cumulative GPA
PHIL 346*	3	ALEC 202
PHIL 244* or PHIL 252*	3	
^{3,5} Social Sciences Elective*	3	
⁶ Unrestricted Elective	4 3	
Term 8		
ALEC 412 , ALEC 450, ALEC 492	9 40	No milestones
⁶ Unrestricted Elective	6	
TOTAL	120	

* Meets University General Education Requirement.

¹ Select sequence from BIOL 101*-BIOL 102*, BIOL 111*-BIOL 112*, ~~BIOL 150*-BIOL 160*-BIOL 159* BIOL 130*-BIOL 140*~~, or ~~BIOL 158*-BIOL 168*-BIOL 159* BIOL 138*-BIOL 148*~~. BIOL 160* 140* has a CHEM 130* corequisite, so students who choose ~~BIOL 150*-BIOL 160*-BIOL 159* BIOL 130*-BIOL 140*~~ should take CHEM 120*-CHEM 130* for their physical science electives. BIOL 111*-BIOL 112* has no chemistry requirement.

² Agricultural Sciences and Natural Resources Electives may be selected from any courses in the college not already required for the major.

³ AREC 201* (4) or ECON 201* (4) satisfies the University General Education--Social Science requirement and the major requirement for economics. If the student transfers ECON LD for 3 credits, it will satisfy the major requirement but will not satisfy the General Education--Social Sciences requirement. In these cases, the student should take two courses from the General Education--Social Sciences list.

⁴ Select two courses (8 hours) from chemistry, physics, geology, ESS 210; GEOG 131*, GEOG 132*, GEOG 137*. CHEM 130* is a corequisite to BIOL 160* 140*. Therefore, students who choose ~~BIOL 150*-BIOL 160*-BIOL 159* BIOL 130*-BIOL 140*~~ should take CHEM 120*-CHEM 130* for their physical science electives. BIOL 111*-BIOL 112* has no chemistry requirement.

⁵ Chosen from the University General Education list.

⁶ Any courses not already required for the major.

Rationale: Changing the math requirement allows students the opportunity to take a higher level math course. Dropping BSET hours and increasing ALEC hours allows students the opportunity to take additional hours in an agricultural content area related to their future career goals. Dropping ALEC 412 because not enough faculty or students to offer the seminar. Impact on other units: Minimal enrollment changes. Financial impact: None.

REVISE AGRICULTURAL LEADERSHIP, EDUCATION & COMMUNICATIONS MAJOR, AGR SCIENCE CONC

Term 1	Hours	Milestone Notes
^{1,2} Agricultural Sciences and Natural Resources Elective	3	2.0 cumulative GPA
ALEC 101	1	

ENGL 101* or ENGL 118*	3	
MATH 113* or MATH 117*	3	
PLSC 210	3	
Plant Sciences Elective (any PLSC course)	3	
^{2,4} Quantitative Reasoning Elective*	3	

* Meets University General Education Requirement.

¹ Agricultural Sciences and Natural Resources Electives may be selected from any courses in the college not already required for the major.

² One of the University General Education Electives, Agricultural Sciences and Natural Resources Electives, Unrestricted Electives or a course taken as part of one of the minors must be a Communicating through Writing (WC) course. Unrestricted Electives may be selected from any courses not already required for the major.

³ Select one course (4 hours) from chemistry, physics, geology, ESS 210; GEOG 131*, GEOG 132* GEOG 137*. CHEM 130* is a corequisite to BIOL ~~160*~~ ~~140*~~. Therefore, students who choose ~~BIOL 150*-BIOL160*-BIOL 159*~~ ~~BIOL 130*-BIOL 140*~~ should take CHEM 120*-CHEM 130* for their physical science electives. BIOL 111*-BIOL 112* has no chemistry requirement.

⁴ Chosen from the University General Education list.

⁵ AREC 201* (4) or ECON 201* (4) satisfies the University General Education--Social Science requirement and the major requirement for economics. If the student transfers ECON LD for 3 credits, it will satisfy the major requirement but will not satisfy the General Education--Social Sciences requirement. In these cases, the student should take two courses from the Social Sciences list.

⁶ Select sequence from BIOL 101*-BIOL 102*, BIOL 111*-BIOL 112*, ~~BIOL 150*-BIOL160*-BIOL 159*~~ ~~BIOL 130*-BIOL 140*~~, or ~~BIOL 158*-BIOL168*-BIOL 159*~~ ~~BIOL 138*-BIOL 148*~~.

⁷ Students should select one of the minors offered by the College of Agricultural Sciences and Natural Resources: animal science, biosystems engineering technology, entomology and plant pathology, environmental and soil sciences, food and agricultural business, agricultural leadership, food science, food technology, forestry, international agriculture and natural resources, natural resource and environmental economics, plant sciences, wildlife and fisheries science, watershed, or one of the minors in the College of Communication and Information (see listing in this catalog), or submit an individualized plan of study before the third year, for approval by the advisor, department head, and the Dean's Office. If the minor is less than 24 hours, the excess hours will become Unrestricted Electives.

⁸ Any courses not already required for the major.

Rationale: Changing the math requirement allows students the opportunity to take a higher level math course. Replacing PLSC 210 with plant sciences elective allows students the opportunity to take a PLSC course related to their future career goals. Impact on other units: Minimal enrollment changes. Financial impact: None.

AGRICULTURE AND NATURAL RESOURCES (INTERDEPARTMENTAL)

REVISE INTERNATIONAL AGRICULTURE AND NATURAL RESOURCES MINOR

Minor Requirements

Select one course:

¹ AGNR 491 - International Experience in Agriculture and Natural Resources

ARAB 222 - Intermediate Modern Standard Arabic II *

~~CHIN ASLN 232 - Intermediate Chinese II *~~

~~ASLN 252 - Intermediate Japanese II *~~

ASST 222 - Intermediate Modern Standard Arabic II *

ASST 242 - Intermediate Modern Hebrew II *

ASST 262 - Intermediate Persian II *

~~CHIN 232 - Intermediate Chinese II *~~

FREN 212 - Intermediate French II *

FREN 218 - Honors: Intermediate French II *

FREN 223 - Intensive Intermediate French *

GERM ~~212~~ ~~202~~ - Intermediate German II *

GERM 223 - Intensive Intermediate German *

HEBR 242 - Intermediate Modern Hebrew II *

ITAL 212 - Intermediate Italian *

ITAL 223 - Intensive Intermediate Italian *

JAPA 252 - Intermediate Japanese II *

PERS 262 - Intermediate Persian II *

PORT 212 - Intermediate Portuguese *

PORT 223 - Intensive Intermediate Portuguese *

RUSS 202 - Intermediate Russian *

SPAN 212 - Intermediate Spanish *

SPAN 218 - Honors: Intermediate Spanish *

SPAN 223 - Intensive Intermediate Spanish *

Select two courses (see footnote 2):

AFST 235 - Introduction to African Studies *
 AFST 236 - Introduction to African Studies *
 ANTH 130 - Cultural Anthropology *
 ANTH 316 - Peoples and Cultures of South America
 ANTH 319 - Caribbean Cultures and Societies
 ANTH 463 - Rise of Complex Civilizations
 GEOG 101 - World Geography *
 GEOG 345 - People and Environment
 GEOG 371 - Geography of Europe
 GEOG 373 - Geography of South America
 GLBS 250 - Introduction to Global Studies *
 POLS 265 365 - Introduction to International Relations
 POLS 370 - Contemporary International Problems
 POLS 471 - International Political Economy
 REST 102 - The Comparison of World Religions *
 SOCI 446 - The Modern World System

Rationale: Reflects course subject and number changes. Impact on other units: None. Financial impact: None.

REVISE WATERSHED MINOR

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: The graduate courses meet the intent of the requirement. Impact on other units: None. Financial impact: None.

DEPARTMENT OF ANIMAL SCIENCE

REVISE ANIMAL SCIENCE MINOR

Select 9 hours:

ANSC 320 - Reproductive Physiology and Lactation
 ANSC 330 - Comparative Animal Nutrition
 ANSC 340 - Animal Breeding and Genetics
 ANSC 360 - Equine and Food Animal Evaluation
 ANSC 361 - Beef Cattle Merchandising
 ANSC 380 - Animal Health Management
~~ANSC 385 - Veterinary Entomology~~
 ANSC 420 - Reproductive Technologies
 ANSC 481 - Beef Management
 ANSC 482 - Dairy Management
 ANSC 483 - Swine Management
 ANSC 484 - Poultry Management
 ANSC 485 - Equine Management
 ANSC 486 - Sheep and Goat Management
 ANSC 489 - Companion and Exotic Animal Management

Rationale: Secondary-cross-listed course was recently dropped when the primary department changed their course (EPP 325). Impact on other units: None. Financial impact: None.

REVISE ANIMAL SCIENCE MAJOR, ANIMAL INDUSTRIES CONCENTRATION

Term 3	Hours	Milestone Notes
ANSC 280*	3	ANSC 160 or ANSC 280* or Natural Sciences Elective* or Quantitative Reasoning Elective*
AREC 201* or ECON 201*	4	
ESS 210	4	
^{3,5} Quantitative Reasoning Elective*	3-4	
Term 5		
ANSC 330, ANSC 380	6	ANSC 160 or ANSC 280*
⁵ Arts and Humanities Elective*	3	BIOL 101* or BIOL 130* BIOL 150* or BIOL 160*
⁴ Minor Requirement	3	
⁷ STEM Elective	3	

* Meets University General Education Requirement.

¹ Select sequence from BIOL 101*-BIOL 102*, ~~BIOL 150*-BIOL 160*-BIOL 159* BIOL 130*-BIOL 140*~~, or ~~BIOL 158*-BIOL 168*-BIOL 159* BIOL 138*-BIOL 148*~~.

² Select sequence from CHEM 100*-CHEM 110*, CHEM 120*-CHEM 130*, or CHEM 128*-CHEM 138*.

³ One Quantitative Reasoning Elective must be MATH 125*, MATH 141*, MATH 147*, or MATH 151*.

⁴ 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.

⁵ Chosen from the University General Education list. ~~One course must also be designated as writing intensive (WC).~~

⁶ Any courses not already required for the major.

⁷ STEM elective chosen from ~~ANSC 385~~, ANSC 420, ANSC 430, ANSC 481 through 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 requirement~~); ANTH 110, ~~ANTH 117 ANTH 210*, ANTH 480, ANTH 485; ASTR 151*, ASTR 152*, ASTR 153*, ASTR 154*, ASTR 217*, ASTR 218*; BAS (any); BCMB (above 200 any except BCMB 320); BIOL (any after major requirements are met); BME (any above 200); BSE (221 and above); BSET (any above 200); CBE (any above 200); CE (210 and above); CHEM (any after major requirements are met 100 and above); COSC (any 100 and above); ECE (any above 200); EEB (any above 200); EF (any 101 and above); EPP (any) 201*, EPP 313, EPP 321, EPP 325, EPP 385, EPP 410, EPP 411; 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; FORS 214, FORS 215, ~~FORS 217~~, FORS 331, ~~FORS 332~~, FORS 333, ~~FORS 337~~, FORS 414; FWF 212, FWF 250*, FWF 313, FWF 317, FWF 320; ~~GEOG 131*, GEOG 132*, GEOG 137*~~; GEOL (any) 340, ~~GEOL 330, GEOL 340, GEOL 370, GEOL 380, GEOL 460, GEOL 471, GEOL 485; HSP 288*~~; IE (any above 200); KNS 480; MATH (any above 110 after Quantitative Reasoning requirements are met); ME (any above 200); MICR (any above 200); MSE (201 and above 200); NE (any above 200); NUTR 100*, NUTR 302, NUTR 311, NUTR 313, NUTR 314; PHYS (any 100 and above); PLSC 210, PLSC 220, ~~PLSC 250~~, PLSC 330, ~~PLSC 331, PLSC 341, PLSC 343~~, PLSC 348, PLSC 370, PLSC 410*, ~~PLSC 415~~, PLSC 421, PLSC 434, PLSC 435, PLSC 438, PLSC 441, PLSC 442, ~~PLSC 443~~, PLSC 450, PLSC 452, PLSC 457, PLSC 461; PSYC 301 240, PSYC 370, PSYC 385, PSYC 445, PSYC 450, PSYC 459, PSYC 461; PUBH 305; STAT (any above 200); ~~UNHO 287*, UNHO 288*~~; ~~WFS (340 and above) 340, WFS 350, WFS 401, WFS 431, WFS 433, WFS 440, WFS 442, WFS 443, WFS 444, WFS 445, WFS 450, WFS 455, WFS 456; any natural sciences course from the University General Education list.~~~~

⁸ Select two courses which must come from different groupings (ANSC 481 or ANSC 482 or ANSC 486), (ANSC 483 or ANSC 484), (ANSC 485 or ANSC 489).

Rationale: Updating BIOL course numbers, adding WC note since it is being dropped from ANSC 280, and revising STEM elective options to include honors options and to simplify list in catalog and DARS. Impact on other units: None. Financial impact: None.

REVISE ANIMAL SCIENCE MAJOR, BIOSCIENCE CONCENTRATION

Term 1	Hours	Milestone Notes
ANSC 160	3	2.0 cumulative GPA
BIOL 150* or BIOL 158* BIOL 130* or BIOL 138*	3 4	
CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
² Social Sciences Elective*	3	
Term 2		
BIOL 160* or BIOL 168*, BIOL 159* BIOL 140* or BIOL 148*	5 4	One General Education elective*
CHEM 130* or CHEM 138*	4	
ENGL 102*	3	
^{1,2} Quantitative Reasoning Elective*	3-4	
Term 3		
ANSC 280 ²	3	ANSC 160 or ANSC 280* or Natural Sciences Elective* or Quantitative Reasoning Elective*
CMST 210*, CMST 217*, CMST 240*, CMST 247*, or ANSC 360*	3	
² Cultures and Civilizations Elective*	3	
^{1,2} Quantitative Reasoning Elective*	3-4	
³ STEM Elective	3	
Term 4		
ANSC 220	3	Two additional General Education electives*
AREC 201* or ECON 201*	4	
² Cultures and Civilizations Elective*	3	
³ STEM Electives	8 6	
Term 5		
ANSC 330, ANSC 380, ANSC 395	7	ANSC 160 or ANSC 280*
⁴ Business Elective	3	BIOL 130* BIOL 150* or BIOL 160*
³ STEM Electives	4 8	

Term 6		
ANSC 320, ANSC 340	6	No milestones
⁴ Business Elective	2 3	
² Social Sciences Elective*	3	
³ STEM Electives	6 4	
Term 7		
⁵ ANSC 400-level Elective	3	Apply to graduate
² Arts and Humanities Elective*	3	
⁴ Business Elective	2	
² Cultures and Civilizations Elective*	3	
³ STEM Electives	6	

* Meets University General Education Requirement.

¹ One Quantitative Reasoning Elective must be MATH 125*, MATH 141*, MATH 147*, or MATH 151*.

² Chosen from the University General Education list. **One course must also be designated as writing intensive (WC).**

³ At least 12 hours of STEM electives must be upper division (300-400 level) courses. Because of the high number of STEM electives available in this concentration, students are highly encouraged to identify a science-based minor that will complement their animal science program and provide a unique skill set that matches their interests and future career goals. **ANSC 385, ANSC 420, ANSC 430, ANSC 481 through 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 requirement); ANTH 110, **ANTH 117, ANTH 210*, ANTH 480, ANTH 485, ASTR 151*, ASTR 152*, ASTR 153*, ASTR 154*, ASTR 217*, ASTR 218*, BAS (any), BCMB (above 200 any except BCMB 320), BIOL (any after major requirements are met), BME (any above 200), BSE (221 and above), BSET (any above 200), CBE (any above 200), CE (210 and above), CHEM (any after major requirements are met 100 and above), COSC (any 100 and above), ECE (any above 200), EEB (any above 200), EF (any 101 and above), EPP (any 201*, EPP 313, EPP 321, EPP 325, EPP 385, EPP 410, EPP 411), 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; FORS 214, FORS 215, FORS 217, FORS 331, FORS 332, FORS 333, FORS 337, FORS 414; FWF 212, FWF 250*, FWF 313, FWF 317, FWF 320; GEOG 131*, GEOG 132*, GEOG 137*, GEOL (any) 310, GEOL 330, GEOL 340, GEOL 370, GEOL 380, GEOL 460, GEOL 471, GEOL 485; HSP 288*, IE (any above 200); KNS 480; MATH (any above 110 after Quantitative Reasoning requirements are met); ME (any above 200); MICR (any above 200); MSE (201 and above 200); NE (any above 200); NUTR 100*, NUTR 302, NUTR 311, NUTR 313, NUTR 314; PHYS (any 100 and above); PLSC 210, PLSC 220, **PLSC 250, PLSC 330, PLSC 331, PLSC 341, PLSC 343, PLSC 348, PLSC 370, PLSC 410*, PLSC 415, PLSC 421, PLSC 434, PLSC 435, PLSC 438, PLSC 441, PLSC 442, PLSC 443, PLSC 450, PLSC 452, PLSC 457, PLSC 461; PSYC 301 210, PSYC 370, PSYC 385, PSYC 445, PSYC 450, PSYC 459, PSYC 461; PUBH 305; STAT (any above 200); UNHO 287*, UNHO 288*, WFS (340 and above) 340, WFS 350, WFS 401, WFS 431, WFS 433, WFS 440, WFS 442, WFS 443, WFS 444, WFS 445, WFS 450, WFS 455, WFS 456; any natural sciences course from the University General Education list.******

⁴ Chosen from ACCT 200, ACCT 207; AGNR 291, AGNR 292; ANSC 361; AREC 212; AREC 315 320 and above; BULW 301; ECON (any course above 201); FDST 390; FINC 300; MARK 300; MGT 201, MGT 300, **STAT 201 (if not used to satisfy Quantitative Reasoning or STEM requirement).**

⁵ Select two courses which must come from different groupings (ANSC 481 or ANSC 482 or ANSC 486), (ANSC 483 or ANSC 484), (ANSC 485 or ANSC 489).

⁶ Any courses not already required for the major.

Rationale: Updating BIOL course numbers, adding WC note since it is being dropped from ANSC 280, revising STEM elective options to include honors options and to simplify list in catalog and DARS, and adding AREC 315 and STAT 201 as acceptable business electives. Impact on other units: None. Financial impact: None.

REVISE ANIMAL SCIENCE MAJOR, PRE-VETERINARY MEDICINE CONCENTRATION

Term 1	Hours	Milestone Notes
ANSC 160	3	2.0 cumulative GPA
BIOL 150* or BIOL 158* BIOL 130* or BIOL 138*	3 4	
CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
² Social Sciences Elective*	3	
Term 2		
BIOL 160* or BIOL 168*, BIOL 159* BIOL 140* or BIOL 148*	5 4	One General Education elective*
CHEM 130* or CHEM 138*	4	
ENGL 102*	3	
^{1,2} Quantitative Reasoning Elective*	3-4	
Term 3		

ANSC 280*	3	ANSC 160 or ANSC 280* or Natural Sciences Elective* or Quantitative Reasoning Elective*
CHEM 350	3	
CMST 210*, CMST 217*, CMST 240*, CMST 247*, or ANSC 360*	3	
² Cultures and Civilizations Elective*	3	
^{1,2} Quantitative Reasoning Elective*	3-4	
Term 5		
ANSC 330, ANSC 380, ANSC 395	7	ANSC 160 or ANSC 280*
PHYS 221*	4	BIOL 130* BIOL 150* or BIOL 160*
³ STEM Elective	3	
Term 6		
ANSC 320, ANSC 340	6	No milestones
⁴ Business Elective	5 3	
PHYS 222*	4	
² Social Sciences Elective*	3	
Term 7		
ANSC 495	1	Apply to graduate
⁵ ANSC 400-level Elective	3	
² Arts and Humanities Elective*	3	
BCMB 401	4	
⁴ Business Elective	2	
³ STEM Elective	3	

* Meets University General Education Requirement.

¹ One Quantitative Reasoning Elective must be MATH 125*, MATH 141*, MATH 147*, or MATH 151*.

² Chosen from the University General Education list. **One course must also be designated as writing intensive (WC).**

³ STEM electives chosen from **ANSC 385**, ANSC 420, ANSC 430, ANSC 481 through 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 requirement); ANTH 110, **ANTH 117**, **ANTH 210***, **ANTH 480**, **ANTH 485**; **ASTR 151***, **ASTR 152***, **ASTR 153***, **ASTR 154***, **ASTR 217***, **ASTR 218***; **BAS (any)**; **BCMB (above 200 any except BCMB 320)**; **BIOL (any after major requirements are met)**; **BME (any above 200)**; **BSE (221 and above)**; **BSET (any above 200)**; **CBE (any above 200)**; **CE (210 and above)**; **CHEM (any after major requirements are met 100 and above)**; **COSC (any 100 and above)**; **ECE (any above 200)**; **EEB (any above 200)**; **EF (any 101 and above)**; **EPP (any) 201***, **EPP 313**, **EPP 321**, **EPP 325**, **EPP 385**, **EPP 410**, **EPP 411**; **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**; **FORS 214**, **FORS 215**, **FORS 217**, **FORS 331**, **FORS 332**, **FORS 333**, **FORS 337**, **FORS 414**; **FWF 212**, **FWF 250***, **FWF 313**, **FWF 317**, **FWF 320**; **GEOG 131***, **GEOG 132***, **GEOG 137***; **GEOL (any) 310**, **GEOL 330**, **GEOL 340**, **GEOL 370**, **GEOL 380**, **GEOL 460**, **GEOL 471**, **GEOL 485**; **HSP 288***; **IE (any above 200)**; **KNS 480**; **MATH (any above 110 after Quantitative Reasoning requirements are met)**; **ME (any above 200)**; **MICR (any above 200)**; **MSE (201 and above 200)**; **NE (any above 200)**; **NUTR 100***, **NUTR 302**, **NUTR 311**, **NUTR 313**, **NUTR 314**; **PHYS (any 100 and above)**; **PLSC 210**, **PLSC 220**, **PLSC 250**, **PLSC 330**, **PLSC 331**, **PLSC 341**, **PLSC 343**, **PLSC 348**, **PLSC 370**, **PLSC 410***, **PLSC 415**, **PLSC 421**, **PLSC 434**, **PLSC 435**, **PLSC 438**, **PLSC 441**, **PLSC 442**, **PLSC 443**, **PLSC 450**, **PLSC 452**, **PLSC 457**, **PLSC 461**; **PSYC 301 240**, **PSYC 370**, **PSYC 385**, **PSYC 445**, **PSYC 450**, **PSYC 459**, **PSYC 461**; **PUBH 305**; **STAT (any above 200)**; **UNHO 287***, **UNHO 288***; **WFS (340 and above) 340**, **WFS 350**, **WFS 401**, **WFS 431**, **WFS 433**, **WFS 440**, **WFS 442**, **WFS 443**, **WFS 444**, **WFS 445**, **WFS 450**, **WFS 455**, **WFS 456**; any natural sciences course from the University General Education list.

⁴ Chosen from ACCT 200, ACCT 207; AGNR 291, AGNR 292; ANSC 361; AREC 212; 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)**.

⁵Select two courses which must come from different groupings (ANSC 481 or ANSC 482 or ANSC 486), (ANSC 483 or ANSC 484), (ANSC 485 or ANSC 489).

⁶ Any courses not already required for the major.

Rationale: Updating BIOL course numbers, adding WC note since it is being dropped from ANSC 280, revising STEM elective options to include honors options and to simplify list in catalog and DARS, and adding AREC 315 and STAT 201 as acceptable business electives. Impact on other units: None. Financial impact: None.

REVISE ANIMAL SCIENCE MAJOR, PRE-VETERINARY MEDICINE 3+1 CONCENTRATION

Term 1	Hours	Milestone Notes
ANSC 160	3	2.0 cumulative GPA
BIOL 150* or BIOL 158* BIOL 130* or BIOL 138*	3 4	
CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	

^{1,2} Quantitative Reasoning Elective*	3-4	
Term 2=		
BIOL 160* or BIOL 168*, BIOL 159* BIOL 140* or BIOL 148*	5 4	One General Education elective*
CHEM 130* or CHEM 138*	4	
ENGL 102*	3	
^{1,2} Quantitative Reasoning Elective*	3-4	
Term 3		
ANSC 280*	3	ANSC 160 or ANSC 280* or Natural Sciences Elective* or Quantitative Reasoning Elective*
³ Biological Sciences Directed Elective	4	
CHEM 350	3	
PHYS 221*	4	
² Social Sciences Elective*	3	
Term 5		
ANSC 330, ANSC 380, ANSC 395	7	ANSC 160 or ANSC 280*
AREC 201* or ECON 201*	4	BIOL 130* BIOL 150* or BIOL 160*
² Arts and Humanities Elective*	3	
² Cultures and Civilizations Elective*	3	

* Meets University General Education Requirement.

¹ One Quantitative Reasoning Elective must be MATH 125*, MATH 141*, MATH 147*, or MATH 151*.

² Chosen from the University General Education list. **One course must also be designated as writing intensive (WC).**

³ Biological Sciences Directed Elective: Any BIOL, BCMB, EEB, or MICR course numbered 200 or higher.

Rationale: Updating BIOL course numbers and adding WC note since it is being dropped from ANSC 280. Impact on other units: None. Financial impact: None.

DEPARTMENT OF BIOSYSTEMS ENGINEERING AND SOIL SCIENCE

REVISE BIOSYSTEMS ENGINEERING MAJOR

Term 4	Hours	Milestone Notes
BIOL 160* or BIOL 168* BIOL 140* or BIOL 148*	3 4	EF 152* or PHYS 136*
BSE 321	3	
ESS 210	4	
MATH 231	3	
ME 321	3	
Term 7		
AREC 201* or ECON 201* or ECON 207*	4	Apply to graduate ³
BSE 401*, BSE 404, BSE 444	8 7	
² Technical Elective	3	

² Note that some electives have required prerequisites. See individual course descriptions for specific information. BSET 412, BSET 414, BSET 432, BSET 434, BSET 452, BSET 462, BSET 474; CE 485; CHEM 230, CHEM 310, CHEM 350, CHEM 360; ESS 334, ESS 434, ESS 442, ESS 444, ESS 454; **GEOG 410**, GEOG 411; GEOL 485; IE 304; MATH 403, MATH 405, MATH 411, MATH 431; ME 363, ME 365, ME 366, ME 391, ME 405, ME 451, ME 466; PHYS 232*.

³ Graduation requirements: a) achieve at least a 2.0 GPA in all BSE courses; b) only one BSE course with a grade of **D+ or D**; **D+, or D** may be used towards graduation; c) no BSE course with a grade of D- or F may be used for graduation; **d) achieve at least a 2.0 GPA in the required math courses.**

Rationale: 1) The Biology department is replacing BIOL 140 with BIOL 160; 2) the grades falling under the 2nd item have been changed by CASNR and adding the math item completes the special list of requirements; and 3) the credit hours for BSE 404 have increased to 3. Impact on other units: None. Financial impact: None.

REVISE BIOSYSTEMS ENGINEERING MAJOR, PRE-PROFESSIONAL CONCENTRATION

Term 4	Hours	Milestone Notes
BIOL 160* or BIOL 168* BIOL 140* or BIOL 148*	3 4	EF 152* or PHYS 136*
BSE 321	3	

CHEM 350 or CHEM 358	3	
MATH 231	3	
ME 321	3	
Term 7		
AREC 201* or ECON 201* or ECON 207*	4	Apply to graduate ³
BSE 401*, BSE 404, BSE 444	8 7	
¹ Cultures and Civilizations Elective*	3	

² Graduation requirements: a) achieve at least a 2.0 GPA in all BSE courses; b) only one BSE course with a grade of **D+ or D G-**, **D+, or D** may be used towards graduation; c) no BSE course with a grade of D- or F may be used for graduation; **d) achieve at least a 2.0 GPA in the required math courses.**

Rationale: 1) The Biology department is replacing BIOL 140 with BIOL160; 2) the grades falling under the 2nd item have been changed by CASNR and adding the math item completes the special list of requirements; and 3) the credit hours for BSE 404 have increased to 3. Impact on other units: None. Financial impact: None.

REVISE ENVIRONMENTAL AND SOIL SCIENCES MAJOR, AGR SYSTEMS TECHNOLOGY CONCENTRATION

² Technical Electives—Note that some electives have required prerequisites. See individual course descriptions in the catalog for specific information. ALEC 450; AREC 315, AREC 342, AREC 355; BSET 202, BSET 452; **EPP 325**, 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.

Rationale: Reflects recent course number change. Impact on other units: None. Financial impact: None.

REVISE ENVIRONMENTAL AND SOIL SCIENCES MAJOR, CONSERVATION AGR. AND ENVIRON. SUSTAINABILITY CONC

Term 7	Hours	Milestone Notes
BSET 412	3	Apply to graduate
ESS 442, ESS 462	6	
ESS 495	1	
PLSC 415 or PLSC 435	3	
² Technical Elective	3	
Term 8		
AREC 342 or AREC 350	3	No milestones
¹ Arts and Humanities Elective*	3	
BSET 432, BSET 462	3	
³ Unrestricted Elective	4	
² Technical Electives	3	
TOTAL	120	

* Meets University General Education Requirement.

¹ Chosen from the University General Education list.

² Note that some electives have required prerequisites. See individual course descriptions in the catalog for specific information. ANSC 220, ANSC 280*, ANSC 320, ANSC 330, ANSC 380; BCMB 311, BCMB 321, BCMB 401, BCMB 402, BCMB 471, BCMB 481; **BIOL 220-BIOL 229**, BIOL 240, **BIOL 260-BIOL 269 BIOL 250**; Biosystems Engineering Technology (any course not required for the major); **Business Analytics and Statistics (any course above 200)**; CHEM 230, CHEM 310, CHEM 319, CHEM 320, CHEM 329, CHEM 350, 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; EPP 313, EPP 321; Environmental and Soil Sciences (any course not required for the major); 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 410**, 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 310, MICR 319**, MICR 410, MICR 411, MICR 470; PHYS 222*; PLSC 250*, PLSC 415, PLSC 434, PLSC 435, PLSC 457, PLSC 461; POLS **200 300**, POLS 330, POLS **240 340**, POLS 430, POLS 431, POLS 440, POLS 442, POLS 470; SOCI 360, SOCI 465; Statistics (any course above 201).

³ **Any courses not already required for the major.**

Rationale: 1) Addition of 495 is necessitated by the need for increased support for alumni professional registration. 2) change in MICR reflects course offering changes. Impact on other units: None. Financial impact: None.

REVISE ENVIRONMENTAL AND SOIL SCIENCES MAJOR, CONSTRUCTION SCIENCE CONCENTRATION

Term 1	Hours	Milestone Notes
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BSET 125	3	MATH 130 or higher or one Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective
CHEM 120* or CHEM 128*	4	
² Cultures and Civilizations Elective*	3	
ENGL 101* or ENGL 118*	3	
GEOL 101* or GEOL 107*	4	
MATH 151*	3	
Term 2		
ARCH 111*	3	MATH 130 or higher
ENGL 102*	3	
GEOL 101* or GEOL 107* GEOL 102*	4	
MATH 152*	3	
² Social Sciences Elective*	3	
Term 3		
³ ACCT 200 or ACCT 207	3	CHEM 120* or MATH 151*
BSET 202, BSET 225	6 3	
CMST 210*, CMST 217*, CMST 240*, or CMST 247*	3	
³ ECON 201* or ECON 207*	4	
PHYS 221*	4	
Term 4		
BSET 335	3	CHEM 120* and MATH 151*
CMST 210*, CMST 217*, CMST 240*, or CMST 247*	3	
² Cultures and Civilizations Elective*	3	
ENGL 295* or ENGL 360*	3	
ESS 210	4	
STAT 201* or STAT 207*	3	
Term 5		
BSET 325, BSET 412, BSET 414	6 9	Complete at least 75 credit hours
GEOL 102* or GEOL 103*	4	CHEM 120* or MATH 151*
BULW 301	2	
³ MGT 201	3	
Term 6		
BSET 345	3	No milestones
² Cultures and Civilizations Elective*	3	
ENGL 295* or ENGL 360*	3	
ESS 424	3	
³ FINC 300	3	
⁴ Technical Elective or ESS 492	3	
Term 7		
BSET 355, BSET 412, BSET 435	9 6	Apply to graduate
³ MGT 300	3	
⁴ Technical Electives or ESS 492	3 6	
Term 8		
² Arts and Humanities Elective*	3	No milestones
BSET 411, BSET 425, BSET 432	6 4	
³ MARK 300	3	
⁴ Technical Elective	3	
TOTAL	120	

Rationale: The changes are necessitated by a) the addition of three new required courses (BSET 125, 225, 425) as the curriculum is stabilized; b) elimination of several external or extraneous courses (BSET 411, BULW 301); c) better balancing of loads across semesters. Impact on other units: None. Financial impact: None.

REVISE ENVIRONMENTAL AND SOIL SCIENCES MAJOR, ENVIRONMENTAL SCIENCE CONCENTRATION

Term 1	Hours	Milestone Notes
¹ Arts and Humanities Elective*	3	2.0 cumulative GPA
BIOL 150* or BIOL 158* BIOL 130* or BIOL 138*	3 4	
ENGL 101* or ENGL 118*	3	

ESS 120*	3	
MATH 151*	3	
Term 3		
AGNR 291, AGNR 292	2	One Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective
BIOL 160* or BIOL 168*, BIOL 159* BIOL 140* or BIOL 148*	5 4	
CHEM 130* or CHEM 138*	4	
ESS 210	4	
Term 4		
AREC 201* or ECON 201* or ECON 207*	4	CHEM 120* or MATH 151*
¹ Arts and Humanities Elective*	3	
BIOL 260, BIOL 269 BIOL 250	4	
PHYS 221*	4	
Term 7		
AREC 445 or AREC 470 or AREC 472 or ECON 362	3	Apply to graduate
BSET 412 or BSET 474	3	
ESS 434, ESS 462	6	
ESS 495	1	
² Technical Elective	3	
Term 8		
EEB 404 or EEB 470	3	No milestones
ESS 301*, ESS 444	4	
² Technical Electives	7-8 8-9	
TOTAL	120	

² Note that some electives have required prerequisites. See individual course descriptions in the catalog for specific information. ANSC 220, ANSC 280*, ANSC 320, ANSC 330, ANSC 380; BCMB 311, BCMB 321, BCMB 401, BCMB 402, BCMB 471, BCMB 481; ~~BIOL 220, BIOL 229, BIOL 240, BIOL 250~~; Biosystems Engineering Technology (any course not required for the major); ~~Business Analytics and Statistics (any course above 200)~~; CHEM 230, CHEM 310, CHEM 319, CHEM 320, CHEM 329, ~~CHEM 350~~, 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; 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 410~~, 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 310, MICR 319~~, MICR 410, MICR 411, MICR 470; PHYS 222*; PLSC 250*, PLSC 415, PLSC 434, PLSC 435, PLSC 457, PLSC 461; POLS ~~200 300~~, POLS 330, POLS ~~240 340~~, POLS 430, POLS 431, POLS 440, POLS 442, POLS 470; SOCI 360, SOCI 465; Statistics (any course above 201).

Rationale: 1) changes to the Biology course offerings; 2) addition of 495 is necessitated by the need for increased support for alumni professional registration; 3) BIOL 250 and CHEM 350 are required courses, so should not be in the Technical Elective list; 3) change in Micro reflects changes in course offerings. Impact on other units: None. Financial impact: None.

REVISE ENVIRONMENTAL AND SOIL SCIENCES MAJOR, OFF-ROAD VEHICLE TECHNOLOGY CONCENTRATION

Term 1	Hours	Milestone Notes
BIOL 111* or GEOL 101* or GEOL 107*	4	MATH 130 or higher or one Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective
CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
¹ MATH 151*	3	
Term 2		
BIOL 112* or GEOL 102*	4	MATH 130 or higher
CHEM 130* or CHEM 138*	4	
ENGL 102*	3	
¹ MATH 152*	3	
² Social Sciences Elective*	3	
Term 3		
AREC 201* or ECON 201* or ECON 207*	4	CHEM 120* or MATH 151*
BSET 202	3	
CMST 210*, CMST 217*, CMST 240*, or CMST 247*	3	

PHYS 221*	4	
Term 4		
² Arts and Humanities Elective*	3	CHEM 120* and MATH 151*
ESS 210	4	
FWF 250*	3	
STAT 201* or STAT 207*	3	
⁴ Unrestricted Elective	2	
Term 5		
BSET 325, BSET 412	6	CHEM 130*
² Cultures and Civilizations Elective*	3	
FORS 321*	3	
³ Technical Electives	3	
Term 6		
BSET 326	3	No milestones
² Cultures and Civilizations Elective*	3	
ENGL 295* or ENGL 360*	3	
ESS 424	3	
³ Technical Elective	3	
Term 7		
BSET 414, BSET 434, BSET 474	9	Apply to graduate
GEOG 411 GEOG 410	3	
³ Technical Electives	3	
Term 8		
² Arts and Humanities Elective*	3	No milestones
BSET 432, BSET 452, BSET 462	9	
³ Technical Elective	3	
TOTAL	120	

* Meets University General Education Requirement.

¹ MATH 141*, MATH 142* (or honors equivalents) may be taken for students interested in possibly shifting to an engineering major.

² Chosen from the University General Education list after consultation with an advisor.

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. AREC 444; FWF 416; IE 304, IE 423, or other technical courses chosen with approval of academic advisor.

⁴ Any courses not already required for the major.

REVISE ENVIRONMENTAL AND SOIL SCIENCES MAJOR, SOIL SCIENCE CONCENTRATION

Term 1	Hours	Milestone Notes
¹ Arts and Humanities Elective*	3	2.0 cumulative GPA
BIOL 111* or BIOL 150* or BIOL 158* BIOL 130* or BIOL 138*	3-4 4	
ENGL 101* or ENGL 118*	3	
ESS 120*	3	
MATH 151*	3	
Term 3		
AGNR 291, AGNR 292	2	ENGL 101*
BIOL 112* or BIOL 160* or BIOL 168*, BIOL 159* BIOL 140* or BIOL 148*	4-5 4	
CHEM 130* or CHEM 138*	4	
ESS 210	4	
Term 7		
AREC 470 or ECON 362	3	Apply to graduate
ESS 434, ESS 442, ESS 462	9	
ESS 495	1	
² Technical Elective	3	
Term 8		
ESS 301*, ESS 444	4	No milestones
² Technical Electives	9	
³ Unrestricted Electives	1-2 2-3	

TOTAL	120	
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² Note that some electives have required prerequisites. See individual course descriptions in the catalog for specific information. ANSC 220, ANSC 280*, ANSC 320, ANSC 330, ANSC 380; BCMB 311, BCMB 321, BCMB 401, BCMB 402, BCMB 471, BCMB 481; **BIOL 220, BIOL 229**, BIOL 240, **BIOL 260-BIOL 269 BIOL 250**; Biosystems Engineering Technology (any course not required for the major); **Business Analytics and Statistics (any course above 200)**; CHEM 230, **CHEM 310, CHEM 319**, CHEM 320, CHEM 329, **CHEM 350**, 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; 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 410**, 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 310, MICR 319**, MICR 410, MICR 411, MICR 470; PHYS 222*; PLSC 250*, PLSC 415, PLSC 434, PLSC 435, PLSC 457, PLSC 461; POLS **200 300**, POLS 330, POLS **240 340**, POLS 430, POLS 431, POLS 440, POLS 442, POLS 470; SOCI 360, SOCI 465; Statistics (any course above 201).

Rationale: 1) changes to the Biology course offerings; 2) addition of 495 is necessitated by the need for increased support for alumni professional registration; 3) CHEM 310, 319, and 350 are required courses, so should not be in the Technical Elective list; 3) change in Micro reflects changes in course offerings. Impact on other units: None. Financial impact: None.

DEPARTMENT OF ENTOMOLOGY AND PLANT PATHOLOGY

REVISE ENTOMOLOGY AND PLANT PATHOLOGY MINOR

Select 15 hours:

- EPP 201 - Impact of Insects and Plant Diseases on Human Societies *
- EPP 313 - Plant Pathology
- EPP 321 - Economic Entomology
- EPP 325 - Veterinary Entomology**
- EPP 410 - Diseases and Insects of Ornamental Plants
- EPP 411 - Forest Insects and Diseases
- EPP 425 - Veterinary Entomology**
- EPP 493 - Independent Study in Entomology or Plant Pathology

Rationale: Reflects recent course number change. Impact on other units: None. Financial impact: None.

DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

REVISE FOOD SCIENCE AND TECHNOLOGY MAJOR, PRE-PHARMACY CONCENTRATION

Term 1	Hours	Milestone Notes
BIOL 150*-BIOL 159* or BIOL 158*-BIOL 159* BIOL 130* or BIOL 138*	5 4	2.7 cumulative GPA
ENGL 101* or ENGL 118*	3	
FDST 100	3	
¹ MATH 125* or MATH 141* or MATH 147*	3-4	
² Unrestricted Elective	1	
Term 2		
BIOL 160* or BIOL 168* BIOL 140* or BIOL 148*	3 4	2.7 cumulative GPA
CHEM 120* or CHEM 128*	4	
ENGL 102*	3	
³ FDST 150* or other Cultures and Civilizations Elective*	3	
³ Social Sciences Elective*	3	
Term 3		
⁴ BIOL 240	4	3.0 cumulative GPA
CHEM 130* or CHEM 138*	4	BIOL 150*-BIOL 159* BIOL 130* or CHEM 120*
FDST 241	3	ENGL 102*
NUTR 100*	3	
³ Social Sciences Elective*	3	
Term 4		
³ Arts and Humanities Elective*	3	3.0 cumulative GPA

⁴ BCMB 230	5	BIOL 160* BIOL-140* or CHEM 130*
CHEM 350	3	FDST 100
³ Communicating Orally Elective*	3	
FDST 201	1	
Term 6		
FDST 410 or FDST 418	4	No milestones
MICR 210 MICR-310	3	
⁴ PHYS 221*	4	
² Unrestricted Elective	3	
Term 8		
⁴ BCMB 402	4	No milestones
⁵ FDST Electives	6	
⁴ MICR 330 430	3	

Rationale: The faculties of the three biological sciences departments in the College of Arts and Sciences have made substantial changes to several undergraduate biology courses. As a result, various program changes are needed in the FDST programs. Impact on Other Units: None. Financial Impact: None.

REVISE FOOD SCIENCE AND TECHNOLOGY MAJOR, PRE-PHARMACY 3+1 CONCENTRATION

Term 1	Hours	Milestone Notes
BIOL 150*-BIOL 159* or BIOL 158*-BIOL 159* BIOL 130*-or-BIOL 138*	5 4	2.7 cumulative GPA
CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
FDST 100	3	
¹ MATH 125* or MATH 141* or MATH 147*	3-4	
Term 2		
BIOL 160* or BIOL 168* BIOL-140*-or-BIOL-148*	3 4	2.7 cumulative GPA
CHEM 130* or CHEM 138*	4	BIOL 150*-BIOL 159* BIOL-130* or CHEM 120*
ENGL 102*	3	
² FDST 150* or other Cultures and Civilizations Elective	3	
² Social Sciences Elective*	3	
Term 3		
³ BIOL 240	4	3.0 cumulative GPA
CHEM 350	3	One Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective
FDST 241	3	BIOL 160* BIOL-140* or CHEM 130*
MICR 210 MICR-310	3	ENGL 102*
² Social Sciences Elective*	3	MATH 125* or MATH 141*
Term 6		
³ BCMB 402	4	No milestones
² Cultures and Civilizations Elective*	3	
FDST 410 or FDST 418	4	
³ MICR 330 430	3	
³ PHYS 221*	4	

Rationale: The faculties of the three biological sciences departments in the College of Arts and Sciences have made substantial changes to several undergraduate biology courses. As a result, various program changes are needed in the FDST programs. Impact on Other Units: None. Financial Impact: None.

REVISE FOOD SCIENCE AND TECHNOLOGY MAJOR, PRE-PROFESSIONAL CONCENTRATION

Term 1	Hours	Milestone Notes
BIOL 150*-BIOL 159* or BIOL 158*-BIOL 159* BIOL 130*-or-BIOL 138*	5 4	2.7 cumulative GPA
ENGL 101* or ENGL 118*	3	
FDST 100	3	
¹ MATH 125* or MATH 141* or MATH 147*	3	
² Unrestricted Elective	1	

Term 2		
BIOL 160* or BIOL 168* BIOL-140* or BIOL-148*	3 4	2.7 cumulative GPA
CHEM 120* or CHEM 128*	4	
ENGL 102*	3	
FDST 150*	3	
³ Social Sciences Elective*	3	
Term 3		
CHEM 130* or CHEM 138*	4	3.0 cumulative GPA
⁴ Directed Pre-Professional Elective	3	BIOL 150*-BIOL 159* BIOL-130* or CHEM 120*
FDST 241	3	ENGL 102*
NUTR 100*	3	
³ Social Sciences Elective*	3	
Term 4		
³ Arts and Humanities Elective*	3	3.0 cumulative GPA
CHEM 350	3	BIOL 160* BIOL-140* or CHEM 130*
³ Communicating Orally Elective*	3	FDST 100
⁴ Directed Pre-Professional Elective	4	
FDST 201	1	
Term 6		
³ Communicating through Writing Elective*	3	No milestones
⁴ Directed Pre-Professional Elective	4	
FDST 410 or FDST 418	4	
MICR 210; or MICR-310 and MICR-319	3 or 5	

Rationale: The faculties of the three biological sciences departments in the College of Arts and Sciences have made substantial changes to several undergraduate biology courses. As a result, various program changes are needed in the FDST programs. Impact on Other Units: None. Financial Impact: None.

REVISE FOOD SCIENCE AND TECHNOLOGY MAJOR, PRE-PROFESSIONAL 3+1 CONCENTRATION

Term 1	Hours	Milestone Notes
BIOL 150*-BIOL 159* or BIOL 158*-BIOL 159* BIOL-130* or BIOL-138*	5 4	2.7 cumulative GPA
CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
FDST 100	3	
¹ MATH 125* or MATH 141* or MATH 147*	3	
Term 2		
BIOL 160* or BIOL 168* BIOL-140* or BIOL-148*	3 4	2.7 cumulative GPA
CHEM 130* or CHEM 138*	4	BIOL 150*-BIOL 159* BIOL-130* or CHEM 120*
ENGL 102*	3	
² FDST 150* or other Cultures and Civilizations Elective*	3	
² Social Sciences Elective*	3	
Term 3		
CHEM 350	3	3.0 cumulative GPA
³ Directed Pre-Professional Elective	3	One Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective
FDST 241	3	BIOL 160* BIOL-140* or CHEM 130*
MICR 210 MICR-310	3	ENGL 102*
² Social Sciences Elective*	3	MATH 125* or MATH 141*

Rationale: The faculties of the three biological sciences departments in the College of Arts and Sciences have made substantial changes to several undergraduate biology courses. As a result, various program changes are needed in the FDST programs. Impact on Other Units: None. Financial Impact: None.

REVISE FOOD SCIENCE AND TECHNOLOGY MAJOR, SCIENCE CONCENTRATION

Term 1	Hours	Milestone Notes
¹ Biological Sciences Elective*	4-5 4	2.0 cumulative GPA
ENGL 101* or ENGL 118*	3	

FDST 100	3	
² MATH 125*, MATH 141*, MATH 147*, or MATH 151*	3-4	
³ Unrestricted Elective	1	
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 152*, STAT 201*, or STAT 207*	3	
MICR 210* or MICR-310	3	

¹ Chosen from BIOL 101*, BIOL 102*, BIOL 111*, BIOL 112*, ~~BIOL 150*-BIOL 159* or BIOL 158*-BIOL 159*~~ ~~BIOL-130*, BIOL-138*~~.

Rationale: The faculties of the three biological sciences departments in the College of Arts and Sciences have made substantial changes to several undergraduate biology courses. As a result, various program changes are needed in the FDST programs. Impact on Other Units: None. Financial Impact: None.

REVISE FOOD SCIENCE AND TECHNOLOGY MAJOR, TECHNOLOGY CONCENTRATION

Term 1	Hours	Milestone Notes
¹ Biological Sciences Elective*	4-5 4	2.0 cumulative GPA
ENGL 101* or ENGL 118*	3	
FDST 100	3	
² Quantitative Reasoning Elective*	3	
³ Unrestricted Elective	1	
Term 5		
² Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective	3	2.0 cumulative GPA
² Communicating through Writing Elective*	3	Biological Sciences Elective
FDST 390	3	Two Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Electives
FDST 461 or FDST 462	3	
MICR 210* or MICR-310	3	

¹ Chosen from BIOL 101*, BIOL 102*, BIOL 111*, BIOL 112*, ~~BIOL 150*-BIOL 159* or BIOL 158*-BIOL 159*~~ ~~BIOL-130*, BIOL-138*~~.

Rationale: The faculties of the three biological sciences departments in the College of Arts and Sciences have made substantial changes to several undergraduate biology courses. As a result, various program changes are needed in the FDST programs. Impact on Other Units: None. Financial Impact: None.

DEPARTMENT OF FORESTRY, WILDLIFE AND FISHERIES

REVISE FORESTRY MAJOR, URBAN FORESTRY CONCENTRATION

Term 4	Hours	Milestone Notes
AREC 201* or ECON 201* or ECON 207*	4	2.0 cumulative GPA
BIOL 260-BIOL 269 BIOL-250 or FORS 215	3-4	One additional general education elective*
PLSC 280	3	
STAT 201* or STAT 207*	3	

Rationale: The faculties of the three biological sciences departments in the College of Arts and Sciences have made substantial changes to several undergraduate biology courses. As a result, various program changes are needed in the FWF programs. Impact on Other Units: None. Financial Impact: None.

REVISE FORESTRY MAJOR, FOREST RESOURCES MANAGEMENT CONCENTRATION

⁵ Communications elective chosen from CMST 210*, CMST 240*; ENGL 295*, ENGL 355*, ENGL 360*, ENGL 363, ENGL 364, ENGL 455*, ENGL 456, ENGL 460, ENGL 463, ENGL 464; ~~JREM-412~~, JREM 414, JREM 450, JREM 451.

Rationale: Course appeared on four-year course report and was dropped. Impact on Other Units: None. Financial Impact: None.

REVISE 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 111* or BIOL 150*-BIOL 159* or BIOL 158*-BIOL 159* BIOL 101* , BIOL 111* , BIOL 130* , or BIOL 138*	4-5 4	
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*, BIOL 112*, BIOL 160* 140* , or BIOL 168* 148*	3-4 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	

⁴ Communications elective chosen from ARTC 236; ENGL 295*; JREM 390, ~~JREM 412~~, JREM 422, JREM 450*, JREM 451*; PBRL 270.

⁵ GIS elective chosen from AGNR 291 and AGNR 292; BSET 326; GEOG 310, ~~GEOG 410~~, GEOG 411, GEOG 413, or a related Geographic Information Systems (GIS) course.

Rationale: The faculties of the three biological sciences departments in the College of Arts and Sciences have made substantial changes to several undergraduate biology courses. As a result, various program changes are needed in the FWF programs. JREM 412 and GEOG 410 appeared on four-year course report and were dropped and archived respectively. Impact on Other Units: None. Financial Impact: None.

REVISE FORESTRY MAJOR, URBAN FORESTRY CONCENTRATION

³ Communications elective chosen from CMST 210*, CMST 240*; ENGL 295*, ENGL 355*, ENGL 360*, ENGL 363, ENGL 364, ENGL 455*, ENGL 456, ENGL 460, ENGL 463, ENGL 464; ~~JREM 412~~, JREM 414, JREM 450, JREM 451.

Rationale: Course appeared on four-year course report and was dropped. Impact on Other Units: None. Financial Impact: None.

REVISE WILDLIFE AND FISHERIES SCIENCE MAJOR, WILDLIFE AND FISHERIES MANAGEMENT CONCENTRATION

Term 1	Hours	Milestone Notes
¹ Arts and Humanities or Cultures and Civilizations Elective*	3	2.0 cumulative GPA
BIOL 101* or BIOL 150*-BIOL 159* or BIOL 158*-BIOL 159* BIOL 101* or BIOL 130* or BIOL 138*	4-5 4	
CHEM 100 or CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
WFS 100 , WFS 101	2 1	
Term 2		
¹ Arts and Humanities or Cultures and Civilizations Elective*	3	2.0 cumulative GPA
BIOL 102*, BIOL 160* 140* , or BIOL 168* 148*	3-4 4	One general education elective*
ENGL 102*	3	
FWF 250*	3	
Term 4		
ANSC 220 or BCMB 230 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-BIOL 269 BIOL 250 or FORS 215	3-4	
CMST 210*, CMST 217*, CMST 240*, or CMST 247*	3	
MATH 115* or STAT 201* or STAT 207*	3	
Term 5		
¹ Arts and Humanities or Cultures and Civilizations Elective*	3	2.0 cumulative GPA
EEB 474	4	One additional general education elective*
EEB 330 or EEB 433 or FWF 325 or PLSC 421	3	
EEB 470 or EEB 424 or WFS 433	3	

FWF 317	3	
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Rationale: The faculties of the three biological sciences departments in the College of Arts and Sciences have made substantial changes to several undergraduate biology courses. As a result, various program changes are needed in the FWF programs. Additional changes are to incorporate more options for course electives in Terms 4 and 5, and to add a new course (WFS 100). Impact on Other Units: None. Financial Impact: None.

REVISE WILDLIFE AND FISHERIES SCIENCE MAJOR, WILDLIFE HEALTH CONCENTRATION

Term 1	Hours	Milestone Notes
BIOL 150* or BIOL 158*, BIOL 159* BIOL 130* or BIOL 138*	5 4	2.0 cumulative GPA
CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
MATH 125*	3	
WFS 101	1	
Term 2		
BIOL 160* or BIOL 168* BIOL 140* or BIOL 148*	3 4	2.0 cumulative GPA
CHEM 130* or CHEM 138*	4	One general education elective*
ENGL 102*	3	
FWF 250*	3	
MATH 115* or STAT 201* or STAT 207*	3	
Term 3		
BIOL 240	4	2.0 cumulative GPA
CHEM 350	3	One additional general education elective*
BIOL 220, BIOL 229 MICR 310, MICR 319	5	
PHYS 221*	4	
Term 4		
ANSC 220	3	2.0 cumulative GPA
BIOL 260, BIOL 269 BIOL 250	4	One additional general education elective*
CHEM 360, CHEM 369	5	
PHYS 222*	4	

³ Chosen from any 300-level and above from Animal Science; Biosystems Engineering Technology; Ecology and Evolutionary Biology; Entomology and Plant Pathology; Environmental and Soil Sciences; Forestry; Forestry, Wildlife and Fisheries; Plant Sciences; or GEOG 410, GEOG 411, GEOG 413, GEOG 436.

Rationale: The faculties of the three biological sciences departments in the College of Arts and Sciences have made substantial changes to several undergraduate biology courses. As a result, various program changes are needed in the FWF programs. Rationale: GEOG 410 appeared on four-year course report and was archived. Impact on Other Units: None. Financial Impact: None.

DEPARTMENT OF PLANT SCIENCES

REVISE PLANT SCIENCES MINOR

Minor Requirements

The minor consists of 15 18 credit hours of PLSC courses, 9 of which must be at the 300-400 level. No departmental or college orientation 100-level course may be used to satisfy the requirements of the minor.

Select 18 hours:

- any 300-400-level PLSC courses

Rationale: Minor is being changed to better reflect course offerings in Plant Sciences. Impact on other units: None. Financial impact: None.

REVISE PLANT SCIENCES MAJOR, BIOENERGY CONCENTRATION

Term 1	Hours	Milestone Notes
¹ AGNR 100 or FYS 101	1	2.0 cumulative GPA
BIOL 111* or BIOL 112*	4	
CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
² Quantitative Reasoning Elective*	3	
Term 2		

BIOL-112*	4	2.0 cumulative GPA
CHEM 130* or CHEM 138*	4	One Natural Sciences Elective*
ENGL 102*	3	
³ Natural Sciences Elective*	3-4	
PLSC 250	3	
² Quantitative Reasoning Elective*	3	
Term 8		
PLSC 475, PLSC 497	4-6	No milestones
⁷ Specialty Area	3-5	
⁵ Technical Elective	3	
⁸ Unrestricted Electives	3-4 3	
TOTAL	120	

⁵ 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, Forestry, Finance, Plant Sciences; ACCT 200, ACCT 207; AGNR 291, AGNR 292; ENGL 360*; FINC 300; JREM 450*, JREM 451*, JREM 456*; MGT 201, MGT 300; MARK 300; MSE 101, MSE 201; PBRL 270; PLSC 220, PLSC 221, PLSC 275.

Rationale: Change in NS classes to help reduce petitions and expand class availability for students. Impact on other units: None. Financial impact: None.

REVISE PLANT SCIENCES MAJOR, BIOTECHNOLOGY CONCENTRATION

Term 1	Hours	Milestone Notes
¹ AGNR 100 or FYS 101	1	2.0 cumulative GPA
BIOL 111* or BIOL 112*	4	
CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
² Quantitative Reasoning Elective*	3	
Term 2		
² Arts and Humanities Electives*	3	2.0 cumulative GPA
BIOL-112*	4	One Natural Sciences Elective*
CHEM 130* or CHEM 138*	4	
ENGL 102*	3	
² Natural Sciences Elective*	3-4	
² Quantitative Reasoning Elective*	3	
Term 4		
³ AREC 201* or ECON 201* or ECON 207*	3-4	ENGL 102*
ESS 210	4	PLSC 210
^{2,3} Social Sciences Elective*	3	
⁴ Unrestricted Electives	4-6 4-5	

⁶ 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, Forestry, Plant Sciences; ACCT 200, ACCT 207; AGNR 291, AGNR 292; BULW 301; ENGL 295*, ENGL 360*; FINC 300; GEOL 201*, GEOL 202*; JREM 450*, JREM 451*, JREM 456*; PLSC 220, PLSC 221, PLSC 250, PLSC 275.

Rationale: Change in NS classes to help reduce petitions and expand class availability for students. Impact on other units: None. Financial impact: None.

REVISE PLANT SCIENCES MAJOR, HORTICULTURE SCIENCE AND PRODUCTION CONCENTRATION

Term 1	Hours	Milestone Notes
¹ AGNR 100 or FYS 101	1	2.0 cumulative GPA
BIOL 111* or BIOL 112*	4	
CHEM 100* or CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	

² Quantitative Reasoning Elective*	3	
Term 2		
² Arts and Humanities Elective*	3	2.0 cumulative GPA
BIOL 112*	4	One Natural Sciences Elective*
CHEM 110* or CHEM 130* or CHEM 138*	4	
ENGL 102*	3	
² Natural Sciences Elective*	3-4	
² Quantitative Reasoning Elective*	3	
Term 5		
Select from: BCMB 321; BIOL 260-BIOL269; FORS 414; EEB 330, EEB 413, EEB 414, EEB 424, EEB 463; GEOG 439; PLSC 348 BCMB 321 or BIOL 250 or FORS 414	3-4	Any CASNR course with grade of C or better
² Cultures and Civilizations Elective*	3	Any two Arts and Humanities*, Cultures and Civilizations*, Quantitative Reasoning*, or Social Sciences* Electives
ENGL 295* or ENGL 360*	3	
EPP 313 or EPP 321 or EPP 410	3	
⁴ PLSC 220 or PLSC 230	3	
Term 8		
⁵ Plant Sciences Electives	6	No milestones
⁶ Technical Elective	3-4	
⁷ Unrestricted Electives	4-5 4	
TOTAL	120	

⁶ 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; BULW 301; ENGL 295*, ENGL 360*; FINC 300; GEOL 201*, GEOL 202*; JREM 450*, JREM 451*, JREM 456*; MARK 300; MGT 201, MGT 300.

Rationale: Change in NS classes to help reduce petitions and expand class availability for students. Term 5 change reflects BIOL 250 number change. Impact on other units: None. Financial impact: None.

REVISE 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	
BIOL 111* or BIOL 112*	4	
CHEM 100* or CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
Term 2		
BIOL 112*	4	2.0 cumulative GPA
CMST 210*, CMST 217*, CMST 240*, or CMST 247*	3	One Natural Sciences Elective*
² COSC 100* or Quantitative Reasoning Elective*	3	
ENGL 102*	3	
² Natural Sciences Elective*	3-4	
² Quantitative Reasoning Elective*	3	
^{2,3} Social Sciences Elective*	3	
Term 3		
³ AREC 201* or ECON 201* or ECON 207*	4	2.0 cumulative GPA
CMST 210*, CMST 217*, CMST 240*, or CMST 247*	3	ENGL 101*
ESS 210	4	
PLSC 210, PLSC 220	6	
² Quantitative Reasoning Elective*	3	
Term 6		
PLSC 380	3	No milestones
⁴ Technical Electives	6	
⁵ Unrestricted Elective	3-5 3	

⁴ 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; ARCH 111*, ARCH 211*, ARCH 232, ARCH 271; ART 101, ART 103; ARTA 211, ARTA 212, ARTA 213, ARTA 214, ARTA 215, ARTA 216, ARTA 231, ARTA 331; **BIOL 260-BIOL 269 BIOL 250**; BSET 202, BSET 412; BULW 301; CMST 414; EEB 304, EEB 330, EEB 433; ENGL 295*, ENGL 360*; 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; MGT 201, MGT 300; PHIL 244*, PHIL 346*; SPAN 111, SPAN 112, SPAN 211*, SPAN 212*; UNST 413.

Rationale: Change in NS classes to help reduce petitions and expand class availability for students. Removal of computer requirement due to changes in CASNR requirements. Move of CMST classes to avoided students needing two QR classes in the same semester. Impact on other units: None. Financial impact: None.

REVISE PLANT SCIENCES MAJOR, ORGANIC PRODUCTION CONCENTRATION

Term 1	Hours	Milestone Notes
¹ AGNR 100 or FYS 101	1	2.0 cumulative GPA
BIOL 111* or BIOL 112*	4	
CHEM 100* or CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
² Quantitative Reasoning Elective*	3	
Term 2		
² Arts and Humanities Elective*	3	2.0 cumulative GPA
BIOL 112*	4	One Natural Sciences Elective*
CHEM 110* or CHEM 130* or CHEM 138*	4	
ENGL 102*	3	
² Natural Sciences Elective*	3-4	
² Quantitative Reasoning Elective*	3	
Term 3		
² Arts and Humanities Elective*	3	2.0 cumulative GPA
CMST 210*, CMST 217*, CMST 240*, or CMST 247*	3	ENGL 101*
² Cultures and Civilizations Elective*	3	
EPP 313	3	
PLSC 210	3	
Term 4		
⁵ AREC 201* or ECON 201* or ECON 207*	4	
ESS 210	4	ENGL 102*
PLSC 275	3	PLSC 210
² Social Sciences Elective*	3 6-7	
Term 5		
Select from: BCMB 321; BIOL 260-BIOL269; FORS 414; EEB 330, EEB 413, EEB 414, EEB 424, EEB 463; GEOG 439; PLSC 348 BIOL 250	3-4 4	Any CASNR course with grade of C or better
ESS 334	3	Any two Arts and Humanities*, Cultures and Civilizations*, Quantitative Reasoning*, or Social Sciences* Electives
Select from: PLSC 220, PLSC 221, PLSC 250, PLSC 331, PLSC 410*, PLSC 430, PLSC 435, PLSC 452, PLSC 453, PLSC 457, PLSC 491*, PLSC 497	6	
Term 6		
BCMB 321 or FORS 414 or PLSC 348	3	No milestones
PLSC 330, PLSC 434	6	
³ Technical Electives	6	
Term 6 ½ (Summer)		
PLSC 492	3	No milestones
Term 7		
² Cultures and Civilizations Elective*	3	Apply to graduate
EPP 321	3	
ESS 434 or ESS 442 or ESS 454	3	
PLSC 415	3	
⁴ Unrestricted Elective	2-3 2	
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 Technical Electives	6	
⁴ Unrestricted Elective	3-4 3	
TOTAL	120	

* Meets University General Education Requirement.

¹ Required of freshmen only; requirement is waived for transfer students.

² Chosen from the University General Education list after consultation with an advisor. Students must meet the Communicating through Writing requirement by selecting a course with a WC designation. This course may be an Arts and Humanities, Cultures and Civilizations, or Social Sciences Elective; a course in the major; or a course from another discipline. PLSC 410* and PLSC 491* satisfy the WC requirement.

³ 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; ANSC 160; AREC 212; BULW 301; ENGL 295*, ENGL 360*; FDST 150*; FINC 300; GEOL 201*, GEOL 202*, GEOL 206*; JREM 450*, JREM 451*, JREM 456*; MARK 300; MGT 201, MGT 300; PHIL 130; PHYS 101*; SOCI 360.

⁴ Any courses not already required for the major.

⁵ AREC 201 (4) Economics of the Global Food and Fiber System* or ECON 201 (4) Introductory Economics: A Survey Course* satisfies the University General Education-Social Science requirement and the major requirement for economics. If the student transfers ECON LD for 3 credit hours, it will satisfy the major requirement for economics but will not satisfy the General Education-Social Science requirement. In these cases, the student should take two courses from the approved General Education-Social Sciences list.

Rationale: Change in NS classes to help reduce petitions and expand class availability for students. Term 5 change reflects BIOL 250 number change. Impact on other units: None. Financial impact: None.

REVISE PLANT SCIENCES MAJOR, PUBLIC HORTICULTURE CONCENTRATION

Term 1	Hours	Milestone Notes
¹ AGNR 100 or FYS 101	1	2.0 cumulative GPA
BIOL 111* or BIOL 112*	4	
CHEM 100* or CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
² Quantitative Reasoning Elective*	3	
Term 2		
² Arts and Humanities Elective*	3	2.0 cumulative GPA
BIOL 112*	4	One Natural Sciences Elective*
² COSC 100* or Quantitative Reasoning Elective*	3	
ENGL 102*	3	
ESS 210	4	
² Natural Sciences Elective*	3-4	
Term 3		
² Arts and Humanities Elective*	3	2.0 cumulative GPA
² Communicating Orally Elective* CMST 240* or CMST 247*	3	ENGL 101*
PLSC 210, PLSC 220, PLSC 226	9	
Term 8		
EPP 410	3	No milestones
PLSC 494	3	
⁴ Technical Elective	3-4	
⁵ Unrestricted Elective or PLSC 275 or PLSC 415 or PLSC 421	3-5 3-4	
TOTAL	120	

² Chosen from the University General Education list after consultation with an advisor. **Students must meet the Communicating through Writing requirement by selecting a course with a WC designation. This course may be an Arts and Humanities, Communicating Orally, Cultures and Civilizations, or Social Sciences Elective; a course in the major; or a course from another discipline.**

Rationale: Change in NS and CMST classes to help reduce petitions and expand class availability for students. Impact on other units: None. Financial impact: None.

REVISE 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	
BIOL 111* or BIOL 112*	4	
ENGL 101* or ENGL 118*	3	
³ Quantitative Reasoning Elective*	3	
Term 2		
BIOL 112*	4	2.0 cumulative GPA
³ Communicating Orally Elective*	3	One Natural Sciences Elective*
ENGL 102*	3	
³Natural Sciences Elective*	3-4	
PLSC 462	1	
³ Quantitative Reasoning Elective*	3	
⁴ Unrestricted Elective	2	
Term 3		
AGNR 291	1	ENGL 101* or ENGL 118*
CHEM 100* or CHEM 120* or CHEM 127*	4	
PLSC 210, PLSC 240, PLSC 241	7	
^{2,3} Social Sciences Elective*	3	
Term 4		
CHEM 110* or CHEM 130* or CHEM 138*	4	ENGL 102*
ESS 210	4	PLSC 210
PLSC 462	1	
⁵ 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 Technical Elective	3	
Term 6		
PLSC 233, PLSC 331, PLSC 341, PLSC 343 , PLSC 438, PLSC 442, PLSC 443 or PLSC 456 , PLSC 462, PLSC 466	13-14 12	No milestones
⁴ Unrestricted Elective	1 2	
Term 6 ½ (Summer)		
PLSC 492	3	No milestones
Term 7		
Select from: BCMB 321; BIOL 260-BIOL269; FORS 414; EEB 330, EEB 413, EEB 414, EEB 424, EEB 463; GEOG 439; PLSC 348 PLSC 250	3-4 3	Apply to graduate
⁵ Technical Electives	8-9 9	
⁴Unrestricted Elective	1	
Term 8		
³ Arts and Humanities Elective*	3	No milestones
³ Cultures and Civilizations Elective*	3	
PLSC 441, PLSC 462	3	
⁶ Plant Sciences Elective	3	
⁴ Unrestricted Elective	2-3 3	
TOTAL		
	120	

Rationale: Change in NS classes to help reduce petitions and expand class availability for students. Changes in Term 6 reflect recent course changes. Change in Term 7 is fixing a catalog error. Impact on other units: None. Financial impact: None.

COLLEGE OF ARCHITECTURE AND DESIGN**All changes effective Fall 2014****I. COURSE CHANGES****(DSGN) Design****ADD NEW ACADEMIC DISCIPLINE AND COURSES**

130 Basic Design Thinking and Innovation (3) Introduction to design thinking and innovation for first year and second year undergraduate students from all majors. This course will assist students in how to work in multi-disciplinary teams to solve complex whole-to-part real-world problems. Students engage collaborative design thinking methods that emphasize producing unique, feasible, and implementable outcomes that can be applied in future classes and within career opportunities. Students will complete projects by generating a variety of ideas, applying and synthesizing knowledge from their discipline, building prototypes, and evaluating with critical thinking.

Contact Hour Distribution: 1-hour seminar, 2-hour lab.

Registration Restriction(s): First-year and second-year students only.

430 Design Thinking and Innovation (3) Introduction to design thinking and innovation for junior and senior undergraduate students from all majors. This course will assist students in how to work in multi-disciplinary teams to solve complex whole-to-part real-world problems. Students engage collaborative design thinking methods that emphasize producing unique, feasible, and implementable outcomes that can be applied in future classes and within career opportunities. Students will complete projects by generating a variety of ideas, applying and synthesizing knowledge from their discipline, building prototypes, and evaluating with critical thinking.

Contact Hour Distribution: 1-hour seminar, 2-hour lab.

Registration Restriction(s): Minimum student level—junior.

Rationale: New design thinking courses to introduce students to universal design processes. The course is a project-based experience where students work in multi-disciplinary teams to solve real-world, implementable, problems. The problems emphasize research, design, synthesis of knowledge and whole to part thinking. Impact on Other Units: None. Financial Impact: None.

431 Trans-disciplinary Studio (1-6) Design studio for non-College of Architecture and Design Students. Trans-disciplinary studio offered in conjunction with architecture, interior design, or landscape architecture studios.

Contact Hour Distribution: 2-hour lab per credit hour.

Registration Permission: Consent of instructor.

Rationale: Studio Participation for non-major undergraduates to allow for trans-disciplinary studios. Impact on Other Units: None. Financial Impact: None.

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

\$474 Advanced Architectural Design: Landscape Architecture I (6) Introduces students to techniques, concepts, and practices of landscape architecture and landscape planning with particular emphasis on development of representational and communication skills using digital and analog media. Strategic and formal design concepts are introduced as vehicles for the exploration of a wide range of media and techniques for analyzing landscapes, projecting design alternatives, and communicating design ideas.

Credit Restriction: Students may not receive credit for both Architecture 474 and Landscape Architecture 551.

(RE) Prerequisite(s): 471.

(RE) Corequisite(s): 424; Plant Sciences 220 or 221.

Comment(s): Completion of a natural science with lab elective required.

Registration Permission: Permission of MLA program director.

\$475 Advanced Architectural Design: Landscape Architecture II (6) This design studio focuses on issues of space and form in landscape architectural design. Working at small and intermediate scales, students explore contemporary and historical theories of space and form through a range of analog and digital media with a particular emphasis on 3-dimensional modeling. Students work rapidly across several projects in order to explore multiple formal and spatial concepts and practice new techniques.

Credit Restriction: Students may not receive credit for both Architecture 475 and Landscape Architecture 552.

(RE) Prerequisite(s): 474.

(RE) Corequisite(s): 424; Plant Sciences 210 and 421.

Registration Permission: Permission of MLA program director.

Rationale: These senior design courses are designed specifically for students pursuing the seven-year BARCH/MLA program. They will be taught by Landscape Architecture faculty and will allow students to advance beyond the first-year design courses in the Landscape Architecture program.
Impact on Other Academic Units: None. Financial Impact: None.

REVISE (RE) COREQUISITE

\$172 Design Fundamentals II: Space (4)

(RE) Corequisite(s): 102 or Interior Design 200; and 122.

Formerly:

(RE) Corequisite(s): 102 and 122.

Rationale: Current corequisite doesn't align with the IDS curriculum. Impact on Other Academic Units: None. Financial Impact: None.

REVISE (RE) PREREQUISITE, REVISE (RE) COREQUISITE

421 Representation IV: Information Modeling (2)

(RE) Prerequisite(s): 372 or Interior Design 261.

(RE) Corequisite(s): 471 or Interior Design 460.

Formerly:

(RE) Prerequisite(s): 372.

(RE) Corequisite(s): 471 or Interior Design 371.

Rationale: Current prerequisites and corequisites don't align with the IDS curriculum. Impact on Other Academic Units: None. Financial Impact: None.

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

DROP

\$171 Visual Studies (3)

Course Impact	
Course	Catalog Location
IDS 171	None

Rationale: Course no longer taught in the program. Impact on Other Academic Units: None. Financial Impact: None.

ADD

207 Honors: Human-Environment Relations (3) Introduction to environmental psychology theories: examine behavior in relationship to biological, social and environmental factors; role of needs assessments and research-based issues guiding design process. Students will attend IDS 200 classes, with supplementary assignments and/or class meetings.

Rationale: Add new honors course to allow for honors program to continue with the change of IDS 211/217 as an optional course. Impact on Other Academic Units: None. Financial Impact: None.

273 Introduction to Interior Design Seminar I (1) Theory and precedent topics as related to concurrent Introduction to Interior Design Studio I investigations. Reflective practices and discussion seminar format.

Contact Hour Distribution: 2-hour discussion.

(RE) Prerequisite(s): Architecture 172.

(RE) Corequisite(s): 271.

274 Introduction to Interior Design Seminar II (1) Theory and precedent topics as related to concurrent Introduction to Interior Design Studio II investigations. Reflective practices and discussion seminar format.

Contact Hour Distribution: 2-hour discussion.

(RE) Prerequisite(s): 273.

(RE) Corequisite(s): 272.

373 Intermediate Interior Design Seminar (1) Theory and precedent topics as related to concurrent Intermediate Interior Design Studio investigations. Reflective practices and discussion seminar format.

Contact Hour Distribution: 2-hour discussion.

(RE) Prerequisite(s): 272.

(RE) Corequisite(s): 371.

473 Advanced Interior Design Seminar (1) Theory and precedent topics as related to concurrent Advanced Interior Design Studio investigations. Reflective practices and discussion seminar format.

Contact Hour Distribution: 2-hour discussion.

(RE) Prerequisite(s): 372.

(RE) Corequisite(s): 471.

Rationale: The new design seminar courses will allow for focused seminar format study on theory and precedent issues related to the concurrent 5hr design studio courses. Impact on Other Academic Units: None. Financial Impact: None.

430 Programming for Senior Studio Project (1) Programming for senior project. Includes project and client selection, programming, precedent study, and site analysis.

(RE) Prerequisite(s): 372.

Rationale: Allows for advanced preparation for the senior studio project. Impact on Other Academic Units: None. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION, DROP (RE) PREREQUISITE, ADD (RE) COREQUISITE, ADD CONTACT HOUR DISTRIBUTION

221 Theory of Color (2) Introduction to color systems and application of color in the interior environment.

Contact Hour Distribution: 1-hour lecture, 2-hour lab.

(RE) Corequisite(s): Architecture 171.

Formerly: Color Theory (2) Introduction to basic color theory and its application to interior environments. Explores aesthetics, psycho-physiological and spatial effects.

(RE) Prerequisite(s): 272.

Rationale: Better reflects course content. Impact on Other Academic Units: None. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION, DROP (RE) PREREQUISITE

211 History of Interior Design, Furnishings, and the Decorative Arts I (3) Social, political, and physical influences through the movements and traditions of the interior environment in major world cultures from prehistoric – 1500.

Formerly: History and Theory of Interior Architecture I (3) Interior architecture, architecture, decorative arts, and furnishings within social and cultural context in a global perspective, ancient through 1900 CE.

(RE) Prerequisite(s): Art History 172.

Rationale: Title and description changes bring into compliance with 2014 Council of Interior Design Accreditation (CIDA) standards. Impact on Other Academic Units: None. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION, ADD (RE) PREREQUISITE

212 History of Interior Design, Furnishings, and the Decorative Arts II (3) Social, political, and physical influences through the movements and traditions of the interior environment in major world cultures from 1500 AD - present.

(RE) Prerequisite(s): Architecture 212.

Formerly: Contemporary Issues in Interior Design and the Decorative Arts (3) Regional and global investigations of decorative art, material culture and its theory. Exploration of contemporary issues in interior design of the 20th and 21st centuries.

218 Honors: History of Interior Design, Furnishings, and the Decorative Arts II (3) Social, political, and physical influences through the movements and traditions of the interior environment in major world cultures from 1500 AD - present. Students will attend IDS 212 classes, with supplementary assignments and/or class meetings.

(RE) Prerequisite(s): Architecture 212.

Formerly: Honors: Contemporary Issues in Interior Design and the Decorative Arts (3) Regional and global investigations of decorative art, material culture and its theory. Exploration of contemporary issues in interior design of the 20th and 21st centuries. Students will attend IDS 212 classes, with supplementary assignments and / or class meetings.

Rationale: Title and description changes bring into compliance with 2014 Council of Interior Design Accreditation (CIDA) standards. Impact on Other Academic Units: None. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION

217 Honors: History of Interior Design, Furnishings, and the Decorative Arts I (3) Social, political, and physical influences through the movements and traditions of the interior environment in major world cultures from prehistoric – 1500. Students will attend IDS 211 classes, with supplementary assignments and/or class meetings.

Formerly: Honors: History and Theory of Interior Architecture I (3) Interior architecture, architecture, decorative arts, and furnishings within social and cultural context in a global perspective, ancient through 1900 CE. Students will attend IDS 211 classes, with supplementary assignments and/or class meetings.

Rationale: Title and description changes bring into compliance with 2014 Council of Interior Design Accreditation (CIDA) standards. Impact on Other Academic Units: None. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION, REVISE CREDIT HOURS, REVISE CONTACT HOUR DISTRIBUTION, REVISE (RE) PREREQUISITE, ADD (RE) COREQUISITE

\$271 Introduction to Interior Design Studio I (5) Introductory design investigations of the interior environment. Emphasis on design process from conceptual ideation to critical refinement of schematic design. May be instructed in vertical, joint, or design build format. Program specified computer and software required.

Contact Hour Distribution: 10-hour studio.

(RE) Prerequisite(s): Architecture 122 and 172 with grades of C or better.

(RE) Corequisite(s): 273.

Formerly: Interior Design Studio I (6) Principles of spatial organization; creative problem solving and communication techniques for micro-interior environments. Emphasis on visual communication, freehand sketching, perspective drawing, color rendering, and model building.

Contact Hour Distribution: 6-hour studio.

(RE) Prerequisite(s): Architecture 101 and 171 and 172.

\$471 Advanced Interior Design Studio (5) Advanced design investigations of the interior environment. Emphasis on design process from conceptual ideation to critical refinement of schematic design. Projects include limited advanced construction detail investigations. May be instructed in vertical, joint, or design build format. Program specified computer and software required.

Contact Hour Distribution: 10-hour studio.

(RE) Prerequisite(s): 372 with grade of C or better.

(RE) Corequisite(s): 473.

Formerly: Advanced Interior Design I (6) Non-residential studio problems of advanced complexity. Integrates and extends previous experiences utilizing systematic design methodologies.

Contact Hour Distribution: 6-hour studio.

(RE) Prerequisite(s): 372 and 420 and 460.

Rationale: Title and description changes reflect program name change and bring into compliance with 2014 Council of Interior Design Accreditation (CIDA) standards. Reductions in studio credit hours accommodate new concurrent seminar courses that allow more focused and integrated theory and precedent study. Impact on Other Academic Units: None. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION, REVISE CREDIT HOURS, REVISE CONTACT HOUR DISTRIBUTION, REVISE (RE) PREREQUISITE, REVISE (RE) COREQUISITE

\$272 Introduction to Interior Design Studio II (5) Continuation of introductory design investigations of the interior environment. Emphasis on design process from conceptual ideation to critical refinement of schematic design. May be instructed in vertical, joint, or design build format. Program specified computer and software required.

Contact Hour Distribution: 10-hour studio.

(RE) Prerequisite(s): 271 and 273 with grades of C or better.

(RE) Corequisite(s): 274.

Formerly: Interior Design Studio II (6) Problem-solving, spatial organization of microenvironments, increasingly larger scale. Emphasis on digital communication; computer-aided design and drafting, desktop publishing, graphic imaging, and reproduction.

Contact Hour Distribution: 6-hour studio.

(RE) Prerequisite(s): 271 and Mathematics 123.

(RE) Corequisite(s): 221.

\$371 Intermediate Interior Design Studio (5) Intermediate design investigations of the interior environment. Emphasis on design process from conceptual ideation to critical refinement of schematic design. May be instructed in vertical, joint, or design build format. Program specified computer and software required.

Contact Hour Distribution: 10-hour studio.

(RE) Prerequisite(s): 200, 272, and 274 with grades of C or better.

(RE) Corequisite(s): 373.

Formerly: Intermediate Interior Design I (6) Studio problems of intermediate complexity with emphasis on programming and schematic design phases. In-depth analysis of current programming methods. Integrates and extends previous knowledge of spatial organization and planning of micro and macro environments.

Contact Hour Distribution: 6-hour studio.

(RE) Prerequisite(s): 272 and 261.

(RE) Corequisite(s): 221.

Rationale: Title and description changes reflect program name change and bring into compliance with 2014 Council of Interior Design Accreditation (CIDA) standards. Reductions in studio credit hours accommodate new concurrent seminar courses that allow more focused and integrated theory and precedent study. Impact on Other Academic Units: None. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION, REVISE CONTACT HOUR DISTRIBUTION, REVISE (RE) PREREQUISITE, ADD (RE) COREQUISITE

331 Construction Documents and Codes for Interior Design (2) Methods, processes, and procedures for creating construction documents for interior environments. Includes the use of building information management software, codes and regulations affecting the health, safety, and welfare of the public.

Contact Hour Distribution: 4-hour lab.

(RE) Prerequisite(s): 261.

(RE) Corequisite(s): Architecture 421.

Formerly: Drawing and Construction Documentation (2) Building on previous computing skills, this course focuses on interior construction documentation through computer-aided design applications. The vehicle for this course will involve a small-scale design problem and will emphasize technical graphic conventions, codes and regulations affecting the health, safety, and welfare of public.

Contact Hour Distribution: 6-hour studio.

(RE) Prerequisite(s): 272 and Architecture 221.

Rationale: Title and description changes reflect program name change and bring into compliance with 2014 Council of Interior Design Accreditation (CIDA) standards. Reductions in studio credit hours accommodate new concurrent seminar courses that allow more focused and integrated theory and precedent study. Impact on Other Academic Units: None. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION, REVISE (RE) PREREQUISITE, REVISE CONTACT HOUR DISTRIBUTION

\$372 Design Development and Construction Detailing Documentation for Interior Design (6) Comprehensive design process with emphasis on design development and basic construction documentation. Use of building information management software and focus on construction principles are integrated in the studio investigations. Program specified computer and software required.

Contact Hour Distribution: 12-hour studio.

(RE) Prerequisite(s): 331, 371, 373, and Architecture 421 with grades of C or better.

Formerly: Intermediate Interior Design II (6) Studio problems of intermediate complexity. Integrates and extends previous knowledge of working drawings, materials and sources, design methods, spatial organization, and planning of micro and macro environments.

Contact Hour Distribution: 6-hour studio.

(RE) Prerequisite(s): 331 and 371.

\$474 Advanced Multidisciplinary Interior Design Studio (6) Capstone self-directed comprehensive interior design project from ideation to refined schematic design and limited construction detailing. Advanced theories, research, principles, and elements of design applied to the interior environment.

Contact Hour Distribution: 12-hour studio.

(RE) Prerequisite(s): 430, 471, and 473 with grades of C or better.

Formerly: Interior Design and Architecture Joint Studio (6) Collaborative interior design and architecture advanced design studio. Comprehensive studio problems of advanced complexity.

Contact Hour Distribution: 6-hour studio.

(RE) Prerequisite(s): 471.

Rationale: Title and description changes reflect program name change and bring into compliance with 2014 Council of Interior Design Accreditation (CIDA) standards. Impact on Other Academic Units: None. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION, REVISE CREDIT HOURS, REVISE CONTACT HOUR DISTRIBUTION, REVISE (RE) PREREQUISITE

\$472 Senior Interior Design Project (5) Capstone self-directed comprehensive interior design project from ideation to refined schematic design and limited construction detailing. Advanced theories, research, principles, and elements of design applied to the interior environment. Students are to demonstrate holistic and comprehensive use of knowledge learned in the program in the final project presentation.

Contact Hour Distribution: 10-hour studio.

(RE) Prerequisite(s): 430, 471, and 473 with grades of C or better.

Formerly: Advanced Interior Design II (6) Comprehensive studio problems of advanced complexity. Integrates and extends previous experiences utilizing systematic design methodologies.

Contact Hour Distribution: 6-hour studio.

(RE) Prerequisite(s): 471.

Rationale: Title and description changes reflect program name change and bring into compliance with 2014 Council of Interior Design Accreditation (CIDA) standards. Reductions in studio credit hours accommodate new concurrent seminar courses that allow more focused and integrated theory and precedent study. Impact on Other Academic Units: None. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION, REVISE CREDIT HOURS, ADD CONTACT HOUR DISTRIBUTION, REVISE (RE) PREREQUISITE

\$477 Honors: Senior Interior Design Project (5) Students will attend IDS 472 design studio classes with supplementary design assignments required.

Contact Hour Distribution: 10-hour studio.

(RE) Prerequisite(s): 430, 471, and 473 with grades of C or better.

Formerly: Honors: Advanced Interior Design II (6) Student will attend Interior Design 472 comprehensive design studio classes with supplementary design assignments required.

(RE) Prerequisite(s): 471.

Rationale: Title and description changes reflect program name change and bring into compliance with 2014 Council of Interior Design Accreditation (CIDA) standards. Reductions in studio credit hours accommodate new concurrent seminar courses that allow more focused and integrated theory and precedent study. Impact on Other Academic Units: None. Financial Impact: None.

REVISE DESCRIPTION, REVISE CONTACT HOUR DISTRIBUTION

480 Furniture Design (3) Human factors applied to design of body support, task support, storage and systems, construction drawings, and scale models. Advanced millwork design and materials and manufacturing processes.

Contact Hour Distribution: 1-hour lecture and 2-hour lab.

Formerly: Human factors data applied to design of body support, task support, storage and systems, construction drawings, and scale models.

Advanced millwork design and materials and manufacturing processes.

Contact Hour Distribution: 2-hour lecture and 2-hour studio.

Rationale: Course requires more instructor with student lab/shop time to effectively manage student design projects. Impact on Other Academic Units: None. Financial Impact: None.

REVISE (RE) COREQUISITE

***460 Lighting for Interior Design (3)**

(RE) Corequisite(s): 371.

Formerly: 372.

Rationale: Adjusting corequisite to fit the new program outline. Impact on Other Academic Units: None. Financial Impact: None.

II. PROGRAM CHANGES

REVISE COLLEGE TEXT

ADMISSION

~~Due to the limited size of the design studios and college resources, A~~ admission to the College of Architecture and Design is highly selective, based on test scores, high school record, student application, and ~~the optional submission of a~~ portfolio. ~~In making its decisions, the college also requires a portfolio from applicants (see information below).~~

Optional Required Portfolio for Architecture Applicants

~~The submission of a portfolio of work is optional, but recommended. All applicants must submit a portfolio of personally produced graphic or visual work.~~ The purpose of the portfolio is to demonstrate visual talent and abilities as well as to provide insight into the creative thought process of the applicant. The portfolio ~~is a collection of the applicant's creative work.~~

~~If a portfolio is submitted, it~~ must contain at least three required images as follows:

- An instrument
- A visual description of where you live
- Hand(s)

~~One of each of the three required images must be executed in black ink, one in graphite, one in color.~~ At least two of the three images must be executed freehand.

~~The portfolio can include submissions that supplement those listed above.~~ Aim for quality rather than quantity in selecting work ~~for submission.~~ An ideal number would be eight to ten examples of personal work. All work shall be neatly assembled in an 8½ x 11 format ~~to be submitted digitally or as an organized folder/notebook portfolio or organized folder/notebook. Submittals not adhering to this size requirement will not be reviewed.~~

The following ~~advice will~~ guidelines ~~have been established to~~ assist applicants in selecting additional samples of personal work for the portfolio.

- Consider including examples of drawings, artwork, photography, or anything else that may demonstrate visual and creative abilities.
- Consider including examples of creative work such as graphic design, fashion design, industrial design, furniture design and/or other examples of creativity and invention.
- Consider including work from course assignments (if any), as well as work completed independently.
- Only submit mechanically-drafted or computer-aided drawings if they are illustrative of personal ~~creativity design work.~~

~~The following guidelines will assist applicants in submitting the portfolio.~~

- Submission of the original item is not necessary. Inexpensively reproduced drawings, photographs, reductions, and photocopies are acceptable. ~~Digital design work must be submitted as a hard copy (no slides or disks). For work that does~~

~~not lend itself to representation in an 8½ x 11 format, such as films, websites, or recordings, include appropriate information, such as a labeled CD.~~

- For work that does not lend itself to representation in an 8½ x 11 format, such as films, websites, or recordings, **provide access to appropriate content include appropriate information, such as a labeled CD.**
- Label all work with **your** name, **the** date when **the** work was executed, and **the** media. Indicate if it was **produced as a course assignment part of course work.**
- The cover or cover page of the portfolio should include the student name and contact information **as well as the program to which the application is made (Architecture or Interior Design). Include a copy of the application to UT and personal information in the portfolio.**
- ~~Include a hard copy of the application to UT and personal information in the portfolio.~~
- Submit the portfolio by the published deadlines.

The portfolio will be reviewed by faculty members of the **Architecture College** Admissions Committee. **Portfolios may be mailed or uploaded electronically through the UT admissions portal. If mailed, please** include a self-addressed stamped mailer for the return of the portfolio. Otherwise, portfolios will not be held nor returned. **Mail the portfolio to:**

**The University of Tennessee
Office of Undergraduate Admissions
320 Student Services Bldg.
Knoxville, TN 37996**

Advice to High School Students

High school students are encouraged to take physics, art, and calculus. Students enrolled in Advanced Placement courses should take the national AP exam. Extensive drafting, mechanical drawing or architecture courses based on drafting are not recommended.

Transfer Students

It should be noted that due to the strong sequential character of the curriculum, entry in any semester other than fall may be difficult. A course of summer study is usually offered which would allow transfer students to proceed to the second year course of study for the fall for intercollegiate students. Transfer students are required to submit a portfolio and to have at least a 2.3 grade point average to be considered. The average grade point average has been 3.5 for students accepted in recent years. Transfer students should apply by November 1 and should discuss their options with the Director of Student Services.

Readmission

A student may apply for readmission to the college if the student left in good academic standing and is within one calendar year of departure of leaving the program. If the time period has been longer than one year, the applicant for readmission will be considered by the college's Academic Standards Committee.

Returning dismissed and probationary students will not be readmitted to a major in the College of Architecture & Design and will need to seek readmission to the University before reapplying to the College following the formal admissions process as outlined on the College's website.

Rationale: Upon review of portfolios submitted in 2013 and low application completion rates it has been determined that the portfolio does not distinguish a significant number of admission decisions and limits the total number of applications to the program. By removing the portfolio requirement it is expected to see an increase in completed applications and an overall increase in the quality of students applying and admitted to the program. Impact on Other Units: None. Financial Impact: None.

SCHOOL OF ARCHITECTURE

ADD DEPARTMENT AND PROGRAM TEXT

Seven-Year Architecture/Landscape Architecture Path

Qualified students in the architecture program may consider entering the Master of Landscape Architecture degree path in their fifth year. Completing this path allows Bachelor of Architecture graduates to gain advanced standing in the landscape architecture program, satisfying degree requirements in two years rather than three. This path only applies to the Master of Landscape Architecture, Track 1—First Professional Degree option offered at the University of Tennessee, Knoxville. For more information, see the *Graduate Catalog*.

Requirements for architecture students pursuing this degree path:

- The student must meet with advisors from both the architecture and the landscape architecture programs.
- The student must complete the following requirements during or before the fifth year. Prerequisites to the landscape architecture program (#) may be completed using non-architecture and unrestricted electives.
 - Approved life science with lab course#
 - ESS 210—Introduction to Soil Science#
 - PLSC 220 or PLSC 221—Landscape Plants I or II#
 - PLSC 350— Basic Landscape Construction#
 - PLSC 421—Native Plants in the Landscape#

- o ARCH 424—Special Topics in Landscape Architecture: History and Theories I (professional elective)
- o ARCH 424—Special Topics in Landscape Architecture: History and Theories II (professional elective)
- o ARCH 474—Advanced Architectural Design: Landscape Architecture I (fifth year design studio option)
- o ARCH 475—Advanced Architectural Design: Landscape Architecture II (fifth year design studio option)

Qualifications for achieving advanced standing in the landscape architecture program:

- The student must have an earned minimum cumulative GPA of at least 3.0 and meet all other admission requirements for the landscape architecture program.
- Conditional admission may be granted after application in the spring semester of the fourth year. The student must also follow the normal procedure and deadline for admission to the Graduate School.
- Full admission of a student into this program must be approved by the College of Architecture and Design and the Graduate School.
- A student will not be eligible for a graduate assistantship until the student is enrolled as a graduate-level student in the Graduate School, has satisfied all of the requirements for the bachelor's degree, or the student is in the final semester of the bachelor's degree and has completed all undergraduate coursework.

Rationale: New degree path opens opportunities for architecture undergraduate students to receive advanced placement in landscape architecture program, eliminating one year of study. All required courses fit into professional or open electives; studio substitution required. Impact on Other Academic Units: None Financial Impact: None.

REVISE ARCHITECTURE MAJOR

⁷ During the fourth and fifth year, students will select a total of three courses from the following Design Studio Options – ARCH 474, ARCH 475, ARCH 482, ARCH 483, ARCH 485, ARCH 486, ARCH 488, ARCH 489, ARCH 490. Students interested in pursuing the MLA in Landscape Architecture will take ARCH 474 and ARCH 475 in the fifth year.

SCHOOL OF INTERIOR DESIGN

REVISE SCHOOL OF INTERIOR DESIGN TEXT

Interior designers imagine and design the spaces in which we work, play, and live. They are part of teams that shape the hospitality experiences in restaurants and hotels, wellness and healing in hospitals and clinics, deepen learning in museums and schools, enrich teamwork and collaboration in offices, and intensify personal and familial significance in our homes. Design tools are used by interior designers to enhance and strengthen human relationships and build cultural meaning in lives by shaping space and light, applying color theory, as well as selecting materials and furnishings in interior environments.

At the University of Tennessee students work with leading faculty to establish a strong foundation for a professional career in interior design. The Interior Design program at the University of Tennessee prepares students to practice in top ranked commercial and residential design firms around the world. To be successful in a global market, students learn how to design meaningful interior environments by engaging broad creative exploration and refining ideas with critical thinking. The following are key attributes of the University of Tennessee curriculum to prepare students for a professional career as an interior designer:

- **Apply Knowledge and Theory in a Project-Based Learning Environment**
Students learn in dedicated design studios where they complete a wide variety of interior design projects and are assigned individual workstations. Students apply current and essential knowledge and skills learned in the classroom to their studio projects. Interior design faculty have ongoing research and creative design practice responsibilities that support the student's core knowledge topics listed below:
 - o Planning and Design of Interior Space and Form
 - o Design and Architecture History and Theory
 - o Furnishings and the Decorative Arts
 - o Color and Light
 - o Human Centered Design
 - o Materials, Construction Systems, and Finishes
 - o Building Regulations and Codes
 - o Visual Communications (sketching, drawing, model making, and computer representations)
- **Experience International Studies and Professional Internship Opportunities**
The interior design program requires either a professional internship or an international travel study experience. These opportunities build a relevant portfolio of experiences in school to allow students to gain access to the most desirable career opportunities. Design firms are seeking to hire individuals with a breadth of experiences to be competitive in a global market. The University of Tennessee provides a range of international experiences that have historically included studies in Finland, Japan, and Italy.

The College of Architecture and Design hosts annual career days where students can meet with representatives from design firms to potentially secure internship and entry-level positions. Internships are typically completed over the summer between the third and fourth year studios.

- **Engage Contemporary Technology**

Students in the interior design program learn to engage a range of technical processes to enhance their ability to create the best design solutions. The technical opportunities range from the implementation of advanced building information modeling (BIM) software to the use of wood shop facilities. The College of Architecture and Design maintains a fabrication lab, digital three-dimensional printers, print center, photography studio, and wood shop. Students are required to purchase a program-specified computer and software to complete design studio projects.

- **Collaborate and Work in Multi-Disciplinary Teams**

Working well together by building on the ideas of others is essential for career success. Contemporary practices in interior design require teams of expert multi-disciplinary designers to create successful projects. Students in the interior design program share a facility with the architecture, landscape architecture, and art programs. Opportunities are provided to prepare students for a multi-disciplinary work environment by participating in team projects and sharing common course work and classrooms across multiple disciplines. Students participate in discussions and juries of their design ideas with interior design, architecture, and landscape architecture faculty and students.

- **Practice Creativity and Critical Thinking**

Interior design is learned by practice in a studio environment. Students work in a culture of design practice where they are supported in taking creative risk, applying knowledge in unique ways, and critically testing and evaluating ideas. Each semester students typically enroll in six hours of design studio. The design studio experience is the core of the interior design education and is where students build their portfolio that is the foundation to gain a position in a design firm or graduate studies. The interior design program is situated in a college that recognizes and cultivates a community of design practice that supports learning by experimentation. Students learn to mutually support their creative explorations and participate in the critical evaluation of their work.

Accreditation and Professional Standards

The interior design program maintains accreditation from the Council for Interior Design Accreditation (CIDA) and the National Association of Schools of Art and Design (NASAD). Students who graduate from the program and complete two years of work experience are qualified to sit for the National Council for Interior Design Qualification (NCIDQ) exam. The NCIDQ exam is an important qualification to earn in many states such as Tennessee. To call oneself a "registered interior designer," one must successfully complete the NCIDQ exam.

Computer Requirement

Students enrolled in interior design are required to purchase a computer, software, and supporting components meeting technical specifications provided by the College of Architecture and Design. The computer specifications are typically provided at the end of the first year of study and purchased during the summer between the first and second year of the respective programs. Students are strongly advised to wait until they receive their program computer specifications as created for their class and cohort prior to making a significant investment in a computer.

Interior design involves the study and transformation of the environment at the human scale. Interior designers understand how the design of furnishings, function, and space can improve the quality of life. As licensed professionals, interior designers analyze complex design challenges involving interior construction and technical considerations related to issues such as lighting, acoustics and mechanical systems. Their designs must meet code issues involving fire, electricity, structure, occupancy and materials. Interior design is broader than interior decorating, which focuses primarily on furniture and finishes.

In designing the micro-environment for specific functions or programs, interior designers are knowledgeable about how users experience space. Interior designers understand how each detail of a design affects the overall concept.

The goal of an education in interior design is to develop a synthetic thought process of critical thinking and creative problem solving, while building technical knowledge and an understanding of the human environment. Creative thinkers, in architecture and interior design, must address all aspects of the built environment in its cultural, social, and ethical context.

The interior design program is professionally accredited by the Council for Interior Design Accreditation (CIDA). All graduates, with sufficient internship experience after graduation, are eligible to take the National Council for Interior Design Qualification (NCIDQ) exam.

uTrack Requirements (for first-year students)

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 may include successful completion of specified courses and/or attainment of a minimum GPA. uTrack requirements only affect first-time, first-year, full-time, degree-seeking students entering Fall 2013.

Progression Requirement and Retention

To progress to an IDS 300-level studio, students must meet a one-time requirement to progress to the third year in the program. The following is required after the completion of IDS 272:

- Earn a cumulative grade point average of 3.0 or better in all College of Architecture and Design required program courses (including approved substitutions) earned prior to enrollment in an IDS 300-level studio.
- OR**

- Pass a summer portfolio review and earn a cumulative grade point average of 2.5 or better in all College of Architecture and Design required program courses (including approved substitutions) earned prior to enrollment in an IDS 300-level studio.

Progression's Portfolio Review Process

- Create a PDF portfolio document that includes student-selected work from ARCH 121, ARCH 122, ARCH 171, ARCH 172, IDS 271 and IDS 272. Selecting, describing, and annotating portfolio work is the responsibility of the student and is part of the portfolio evaluation.
- Each portfolio page is to be formatted in an 11X17 format with resolution suitable for printing.
- The portfolio is a minimum of 10 pages.
- Portfolios are due by June 15th, midnight.
- Notification of progression status will be on or before July 1st.
- Full time tenured and tenure track faculty will evaluate the portfolio and will mark either progress or not progress.
- 50% or better faculty positive vote is required to progress.

Retention Requirement

- Before enrolling in any program required course, a grade of C or better must be made in each prerequisite required program course.
- A cumulative grade point average of 2.3 or greater.
- A grade of I must be removed in prerequisite courses prior to enrollment in subsequent courses.
- For graduation from the program, student must earn a C or better in all required College of Architecture and Design program courses.

Upon admission to the University of Tennessee, Knoxville, and the college, students may begin the interior design major. Progression into third year occurs after completion of IDS 272.

For progression into third year, students must meet the following criteria:

- Cumulative grade point average of 2.3 or greater.
- Cumulative grade point average in the major of 3.0 or greater in the following interior design courses—ARCH 101, ARCH 121, ARCH 122, ARCH 171, ARCH 172, ARCH 221; IDS 200, IDS 211, IDS 212, IDS 261, IDS 271, with no grade below a C.
- Optional Portfolio Review.
- Successful interview following completion of IDS 272.

For retention, student must meet the following criteria:

- Before enrolling in any interior design course, a grade of C or better must be made in each prerequisite required interior design course.
- Cumulative grade point average of 2.3 or greater.
- Grade of I must be removed before registration for next interior design course.

For graduation from the interior design program, students must meet the following criteria:

- Grade of C or better in all interior design courses.

Rationale: It is too difficult for students to remediate a GPA marginally less than 3.0. The number of credit hours is too high at the end of the second year to recover by retaking courses and raise the average to 3.0 or better. For example a student who may have made a C in a first year studio, B averages in second year studio, some C's and B's in support courses is in real trouble trying to remediate a marginal GPA. Does the student retake first year, even if they passed to second year based on course prerequisites? The easiest way for the student to remediate the GPA is to retake first year, after they successfully completed second year studio. This does not make sense and is discouraging to students who are willing to retake courses to improve their standing in the program. Impact on Other Units: None. Financial Impact: None.

REVISE INTERIOR DESIGN MAJOR

The interior design curriculum is a rigorous course of study which combines technical courses, design studio courses, humanities, and a wide choice of electives. Through course work and field study experiences, students develop specialized problem solving skills and knowledge for the analysis, planning and design of interior architectural environments. They apply the use of lighting, color, mechanical systems, and furnishings as they design spaces for both residential and commercial settings.

uTrack Requirements (for first-year students)

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 may include successful completion of specified courses and/or attainment of a minimum GPA. uTrack requirements only affect first-time, first-year, full-time, degree-seeking students entering Fall 2013.

Requirements for the Bachelor of Science in Interior Design

Term 1	Hours	Milestone Notes
ARCH 121, ARCH 171	5	2.3 cumulative GPA
ENGL 101* or ENGL 118*	3	
IDS 101 or IDS 107	3	

IDS 212 or IDS 218	3	
IDS 221	2	
¹Communicating Orally Elective*	3	
Term 2		
ARCH 122, ARCH 172	6	2.3 cumulative GPA
ARCH 211*, ARCH 217*, IDS 211, or IDS 217	3	ENGL 102*
ARTH 173 or ARTH 178	3	
IDS 200 or IDS 207	3	
ENGL 102*	3	
Term 3		
ARCH 221	2	2.3 cumulative GPA
ARCH 212* or ARCH 218*	3	MATH 123*
¹Communicating Orally Elective*	3	
IDS 261, IDS 271, IDS 273	9 6	
MATH 123*	3	
Term 4		
IDS 200, IDS 261, IDS 272, IDS 274	6 12	3.0 major GPA or 2.5 major GPA and successful portfolio review
IDS 212 or IDS 218	3	
PHYS 161*	3	IDS 272
¹Social Sciences Elective*	3	
ARTH 173 or ARTH 178	3	
Term 5		
ARCH 421	2	2.3 cumulative GPA
IDS 221, IDS 331, IDS 371, IDS 373, IDS 460*	11 10	IDS 371
¹ Natural Sciences w/ Lab Elective*	4	
Term 6		
¹ Cultures and Civilizations Elective*	3	2.3 cumulative GPA
IDS 360, IDS 372, IDS 460	9 12	IDS 372
IDS 420 or IDS 491	3	
¹ Social Sciences Elective*	3	
Term 6 ½		
IDS 420 or IDS 491	3	
Term 7		
¹ Cultures and Civilizations Elective*	3	Apply to graduate
IDS 480, IDS 430³	3-4	IDS 471
IDS 471 or IDS 474 and IDS 473	6	
² Professional Elective	3	
Term 8		
¹ Communicating through Writing Elective*	3	IDS 472 or IDS 474
IDS 472, IDS 474, or IDS 477	5-6	
² Professional Elective	3	
¹ Social Sciences Elective*	3	
TOTAL	127-128	

* Meets University General Education Requirement.

¹Chosen from the University General Education list.

²Chosen from any 300-499 interior design courses, any 300-599 architecture courses, or any 400-599 landscape architecture courses.

³ IDS 430 required only if IDS 472 or IDS 477, Senior Interior Design Project, is to be taken in the final spring semester.

Rationale: The changes allow for two new courses at the first year to introduce color theory and environmental social behavioral studies as core to the understanding of the interior environment. Other adjustments include history sequencing to allow ARCH 212 to become a prerequisite for IDS 212. Total credit hours for the degree remain unchanged. Impact on Other Academic Units: None. Financial Impact: None.

COLLEGE OF ARTS AND SCIENCES

All changes effective Fall 2014

I. COURSE CHANGES

DEPARTMENT OF ANTHROPOLOGY

(ANTH) Anthropology

ADD

303 Human Biology and Society (3) Issues and controversies of human biology and an exploration of the biological mechanisms and social pressures that have influenced human adaptation and variation.

(RE) Prerequisite(s): 110 or 117.

Rationale: This course will supplement existing courses which focus on how evolution and ecology impact human society and will provide students from diverse backgrounds with a unique exploration of the biological mechanisms and social pressures that have influenced human adaptation and variation. The course will fulfill departmental requirements in category "E" replacing ANTH 496. Impact on other units: No direct impact. Will be appropriate for students in Sociology, Psychology, and EEB as it will provide a holistic examination of human biological variation. Financial impact: None.

DROP

†496 Biology of Human Variability (3)

Course Impact	
Course	Catalog Location
ANTH 496	Anthropology major—Select two courses:, Biological Anthropology list
	Anthropology major—Disasters, Displacement and Human Rights concentration, Select 15 additional hours:, Biological Anthropology list
	Biological Sciences major—Ecology and Evolutionary Biology concentration, IV. Remaining Hours
	Crosslist with AFST 496

Rationale: No faculty is available to teach this course. Impact on other units: Cross-listed with Africana Studies. Financial impact: None.

SCHOOL OF ART

(ARTC) Art Four-Dimensional Arts

ADD

430 Internship (1-12) On-site work experience in the media production field. Pre-approval in the 4D Arts Program required.

Repeatability: May be repeated. Maximum 12 hours.

(RE) Prerequisite(s): 236.

Registration Permission: Consent of department.

Rationale: Meets demand for prearranged, supervised work-training experience in the media field. Impact on other units: None. Financial impact: None.

(ARTD) Art Design/Graphic

REVISE DESCRIPTION

\$150 The Idea of Graphic Design (3) An overview of design as visual message-making and as an act of cultural interpretation. Contemporary and historic design and its forms are examined, along with an introduction to design and creative concepts.

Formerly: An overview of design as visual message-making and as an act of cultural interpretation. Contemporary and historic design and its forms are examined, along with an introduction to design and creative concepts, and the role of criticism and theory.

Rationale: Removing criticism and contemporary theory from this introductory class. Impact on other units: None. Financial impact: None.

REVISE DESCRIPTION

\$251 Beginning Graphic Design I (3) Introduction to the elements and principles of graphic design and concept development. Survey of design tools, materials, and processes. Emphasis on creative strategies for idea generation and the relationship of visual form and meaning.

Formerly: Introduction to the elements and principles of graphic design including typography and layout. Survey of graphic design tools, materials, and processes. Emphasis on visual problem-solving.

Rationale: Typography and layout are no longer a significant part of this course. Impact on other units: None. Financial impact: None.

\$252 Beginning Graphic Design II (3) Continued exploration into elements and principles of graphic design including in-depth study of visual theories and design vocabulary. Introduction to the role of design in contemporary culture.

Formerly: Continuation of 251 and the exploration of the elements and principles of graphic design including typography and layout. Survey of graphic design tools, materials, and processes. Emphasis on visual problem-solving.

Rationale: Change describes current practice more accurately and distinguishes material from ARTD 251. Impact on other units: None. Financial impact: None.

\$255 Graphic Design Production (3) Traditional and computer-generated techniques for the production of print and digital media in graphic design. Introduction to computer systems, software, and techniques.

Formerly: Traditional and computer-generated techniques for the production of print media in graphic design. Introduction to computer systems, software, and techniques.

Rationale: Adds digital media to the description to reflect current practice. Impact on other units: None. Financial impact: None.

\$259 Special Topics: Graphic Design (3) Student- or instructor-initiated course offered at discretion of department that examines a particular perspective within design.

Formerly: Student- or instructor-initiated course offered at discretion of department.

Rationale: Change describes current practice. Impact on other units: None. Financial impact: None.

\$351 Intermediate Graphic Design I (4)

Intermediate study of graphic design including research methodologies and practices as they relate to the design process. In-depth investigations into audience and context in relationship to form and meaning.

Formerly: Concept development and the study of graphic design elements including typography and imagery and their interrelationships within the graphic design layout.

Rationale: New description more accurately describes current practice. Impact on other units: None. Financial impact: None.

\$352 Intermediate Graphic Design II (4)

Continued intermediate study of graphic design with an emphasis on the visual, technical and theoretical aspects of representing information and managing visual complexity.

Formerly: Investigation of sign, symbols, marks, and identity systems.

Rationale: New description more accurately describes current practice. Impact on other units: None. Financial impact: None.

\$444 Graphic Design Center Practicum (3) Faculty-led practical work experience in a student-managed, on-site studio.

Formerly: Practical work experience in a student-managed, on-site studio.

Rationale: Emphasizes faculty role in the Design Center Practicum. Impact on other units: None. Financial impact: None.

\$451 Advanced Graphic Design (4) Advanced design investigations into the theory and techniques of visual problem-solving as applied across many applications of design. Emphasis on the study of identity and systems.

Formerly: Theory and techniques of visual problem-solving as applied to advanced applications of graphic design.

Rationale: Describes accurately the emphasis on the study of identity and systems. Impact on other units: None. Financial impact: None.

\$456 Graphic Design Practicum (1-12) On-site, practical work designed to bridge the university experience with the workplace prior to graduation. Must be pre-arranged with the department.

Formerly: Practical work experience in the graphic design field. Must be pre-arranged with the department.

Rationale: Change emphasizes bridging the university experience with the workplace. Impact on other units: None. Financial impact: None.

REVISE (RE) COREQUISITE

350 Graphic Design Portfolio Review (0)

(RE) Corequisite(s): 251 and 255.

Formerly: 251.

Rationale: The graphic design production course (255) was moved from fall of the junior year to fall of the sophomore year and now runs concurrently with Beginning Graphic Design (251). It is now one of the three graphic design courses required of students to pass portfolio review. Impact on other units: None. Financial impact: None.

REVISE (RE) PREREQUISITE

\$400 Typography (3)*(RE) Prerequisite(s): 252 and 405.*

Formerly: 252 and 350.

Rationale: Change requires students to have more exposure to design before taking a 400-level typography class. Impact on other units: None.
Financial impact: None.

REVISE TITLE, REVISE DESCRIPTION

\$405 Interaction Design (3) Exploration of current technologies and their significance to interactive and screen-based design.

Formerly: Computer Enhanced Graphic Design (3) Exploration of new technologies and their significance to graphic design.

Rationale: Change reflects emphasis on interactive a screen-based design. Impact on other units: None. Financial impact: None.

***\$452 Graphic Design Capstone (4)** Student-led project under faculty direction including advanced application of research, project-development and execution. Includes individual presentations to professional panels.

Formerly: Graphic Design Seminar (4) Discussion of design and professional issues including politics, economics, and ethics for the graphic designer. Culminates in a student-initiated project.

Rationale: Emphasizes the capstone experience of individual presentation and the emphasis on a student-led project. Impact on other units: None.
Financial impact: None.

REVISE DESCRIPTION, ADD COMMENT, DROP REGISTRATION PERMISSION

\$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.*

Formerly: Student- or instructor-initiated course offered at discretion of department.

Registration Permission: Consent of instructor.

Rationale: Eliminates unnecessary catalog text and adds prerequisites determined by department for individual topics. Impact on other units: None. Financial impact: None.

(ARTH) Art History

REVISE TITLE, REVISE DESCRIPTION

***\$172 Western Art: Ancient through Medieval (3)** Major monuments in Western art with emphasis on Europe from antiquity through the Middle Ages.

Formerly: Western Art I (3) Major monuments in western art with emphasis on Europe from prehistory through the Middle Ages.

***\$177 Honors: Western Art: Ancient through Medieval (3)** Consent of Department required. Major monuments in Western art with emphasis on Europe from antiquity through the Middle Ages. Study grounded in reading, writing, and discussion. Writing-emphasis course.

Formerly: Honors: Western Art I (3) Consent of Department required. Major monuments in western art with emphasis on Europe from prehistory through the Middle Ages. Study grounded in reading, writing, and discussion. Writing-emphasis course.

REVISE TITLE

***\$173 Western Art: Renaissance to Contemporary (3)**

Formerly: Western Art II

***\$178 Honors: Western Art: Renaissance to Contemporary (3)**

Formerly: Honors: Western Art II

Rationale: New titles and descriptions accurately describe the content and clarifies that these courses do not have to be taken in sequence. Impact on other units: None. Financial impact: None.

REVISE DESCRIPTION

***\$183 Asian Art (3)** Selected major monuments of South and East Asian art (archaeological material, sculpture, architecture, painting, prints) in their social, political and religious contexts.

Formerly: Selected works of painting, sculpture, architecture, and other forms in India, China, Japan, and to a lesser extent, Korea and Southeast Asia from antiquity through the 19th century.

***\$187 Honors: Asian Art (3)** Consent of instructor required. Selected major monuments of South and East Asian art (archaeological material, sculpture, architecture, painting, prints) in their social, political and religious contexts. Study grounded in reading, writing, and discussion. Writing-emphasis course.

Formerly: Consent of instructor required. Selected works of painting, sculpture, architecture and other forms in India, China, Japan, Korea and Southeast Asia, from antiquity through the 19th century. Study grounded in reading, writing, and discussion. Writing-emphasis course.

Rationale: Change limits content to accurately reflect current practice. Impact on other units: None. Financial impact: None.

DEPARTMENT OF BIOCHEMISTRY AND CELLULAR AND MOLECULAR BIOLOGY

(BCMB) Biochemistry and Cellular and Molecular Biology

REVISE TITLE, REVISE DESCRIPTION, REVISE (RE) PREREQUISITE

\$403 Neurogenetics Laboratory (3) Experiments and lectures illustrating methods in modern genetics and neurobiology using model organisms, especially *Drosophila* or *Caenorhabditis elegans*.

(RE) Prerequisite(s): *Biology 240*.

Formerly: Advanced Genetics Laboratory (3) Experiments illustrating methods in modern genetics including techniques in classical, cytomolecular and developmental genetics. Using model organisms, especially *Drosophila* and mouse.

(RE) Prerequisite(s): *Biology 240* and *Chemistry 360*.

Rationale: Changes are to more accurately reflect course content. Impact on other units: None. Financial impact: None.

DIVISION OF BIOLOGY

(BIOL) Biology

ADD

***\$167 Honors Skills of Biological Investigation (2)** Same as *Biology 159* but designed for high-achieving students.

Satisfies General Education Requirement: (NS with lab) if taken with Biology 150, 158, 160, or 168.

Contact Hour Distribution: 1 hour discussion and one 3-hour lab.

Credit Restriction: Students may not receive credit for both 159 and 167.

Comment(s): It is recommended that students are also enrolled in BIOL 158 while taking this lab.

Rationale: An honors version of the new biology lab is needed to accommodate those students who are taking the honors sequence of the introductory curriculum. Impact on other units: None known. Financial impact: None.

REVISE (RE) PREREQUISITE

220 General Microbiology (2)

(RE) Prerequisite(s): *150 (or 158) and 160 (or 168) and 159 (or 167); or 101 and 102.*

Formerly: *150 (or 158) and 160 (or 168) and 159.*

\$240 General Genetics (4)

(RE) Prerequisite(s): *160 (or 168) or 112.*

Formerly: *150 (or 158) and 160 (or 168) and 159.*

260 Ecology (2)

(RE) Prerequisite(s): *150 (or 158) and 160 (or 168) and 159 (or 167); or 111 and 112.*

Formerly: *150 (or 158) and 160 (or 168) and 159.*

Rationale: These prerequisites are being revised to accommodate several units across campus that use these courses in their programs. Impact on other units: Several units will be affected by the biology changes. These units have been advised of the changes. Financial impact: None.

DEPARTMENT OF CLASSICS

(CLAS) Classics

REVISE DESCRIPTION, ADD REGISTRATION RESTRICTION

498 Honors Thesis (3) Required thesis hours for all Classics honors concentrations.

Registration Restriction(s): Declared Classics honors concentrations only.

Formerly: For senior classics majors in all honors concentrations.

Rationale: Currently the required honors thesis is awarded credit through CLAS 493, independent study. The Chancellor's Honors Program does not count independent study courses to satisfy the honors thesis requirement in that program. This new course is needed in order to satisfy the CHP requirement and to give CHP credit for a Classics honors thesis. Impact on other units: None. Financial impact: None.

CLINICAL LABORATORY SCIENCE PROGRAM

(CLS) Clinical Laboratory Science

DROP ACADEMIC DISCIPLINE AND ALL COURSES

101 Introduction to Clinical Laboratory Science (2)

410 Microbiology I (4)

411 Microbiology II (4)

420 Clinical Chemistry I (5)

421 Clinical Chemistry II (5)

430 Hematology and Clinical Microscopy I (4)

431 Hematology and Clinical Microscopy II (4)

440 Immunohematology I (3)

441 Immunohematology II (3)

450 Clinical Serology and Immunology (2)

470 Orientation and Basic Techniques (1)

480 Principles of Supervision and Education in Medicine (1)

(MLS) Medical Laboratory Science

ADD ACADEMIC DISCIPLINE AND COURSES

101 Introduction to Clinical Laboratory Science (2) Introduction to the profession for those investigating a career in clinical laboratory science. Emphasis on the scientific aspects and clinical significance of laboratory procedures, laboratory safety, professionalism, and career opportunities.

410 Microbiology I (4) Laboratory work in bacteriology, mycology, and parasitology. Emphasis on pathogenic bacteria and fungi, their sources, methods of culture, techniques of identification, and evaluation of antibiotic sensitivity. Gross and qualitative chemical examination of feces and methods of identification of protozoa and helminth parasites of man.

Registration Restriction(s): Medical laboratory science major.

411 Microbiology II (4) Laboratory work in bacteriology, mycology, and parasitology. Emphasis on pathogenic bacteria and fungi, their sources, methods of culture, techniques of identification, and evaluation of antibiotic sensitivity. Gross and qualitative chemical examination of feces and methods of identification of protozoa and helminth parasites of man.

Registration Restriction(s): Medical laboratory science major.

420 Clinical Chemistry I (5) Clinical aspects of biochemistry, including overview of principles and instrumentation with emphasis on practical laboratory application of analytical procedures, specimen collection and handling, significance of results, and quality assurance. Includes analysis of blood and other body fluids for blood gas content, electrolytes, enzymes, hormones, therapeutic drugs, toxicology, and other constituents of clinical interest, utilizing both automated and manual techniques.

Registration Restriction(s): Medical laboratory science major.

421 Clinical Chemistry II (5) Clinical aspects of biochemistry, including overview of principles and instrumentation with emphasis on practical laboratory application of analytical procedures, specimen collection and handling, significance of results, and quality assurance. Includes analysis of blood and other body fluids for blood gas content, electrolytes, enzymes, hormones, therapeutic drugs, toxicology, and other constituents of clinical interest, utilizing both automated and manual techniques.

Registration Restriction(s): Medical laboratory science major.

430 Hematology and Clinical Microscopy I (4) Principles, theories, and instrumentation related to qualitative and quantitative evaluation of cellular elements of blood and other body fluids; factors of hemostasis, quantitative chemical analysis of urine, and renal function studies. Emphasis on microscopic identification of cells and the significance and correlation of laboratory data.

Registration Restriction(s): Medical laboratory science major.

431 Hematology and Clinical Microscopy II (4) Principles, theories, and instrumentation related to qualitative and quantitative evaluation of cellular elements of blood and other body fluids; factors of hemostasis, quantitative chemical analysis of urine, and renal function studies. Emphasis on microscopic identification of cells and the significance and correlation of laboratory data.

Registration Restriction(s): Medical laboratory science major.

440 Immunohematology I (3) Theory and practice in blood bank operation. Erythrocyte antigens and their normal and abnormal immunology. Standard technical practices used in evaluating blood typing, crossmatching, antibody detection, and preparation of blood components for transfusion. Safety control methods standard to efficient blood bank.
Registration Restriction(s): Medical laboratory science major.

441 Immunohematology II (3) Theory and practice in blood bank operation. Erythrocyte antigens and their normal and abnormal immunology. Standard technical practices used in evaluating blood typing, crossmatching, antibody detection, and preparation of blood components for transfusion. Safety control methods standard to efficient blood bank.
Registration Restriction(s): Medical laboratory science major.

450 Clinical Serology and Immunology (2) Performance and interpretation of broad range of clinical serological and immunological procedures with emphasis on principles and clinical correlation. Formal lecture series included.
Registration Restriction(s): Medical laboratory science major.

470 Orientation and Basic Techniques (1) For facilitation of students from campus to hospital community and clinical laboratory. Introduction to medical terminology, ethics, and health team concept. Orientation to basic techniques including procedures for collection and handling of specimens, principles of operation of many laboratory instruments, review of laboratory math, and introduction to quality control procedures. Portions of course extend over entire clinical year.
Registration Restriction(s): Medical laboratory science major.

480 Principles of Supervision and Education in Medicine (1) Seminars in basic principles of management, supervision, and education theories and methods. Comprehensive examination covers entire course.
Registration Restriction(s): Medical laboratory science major.

Equivalency Table

Current Course Clinical Laboratory Science (CLS)	Equivalent Course Effective Fall 2014 Medical Laboratory Science (MLS)
101	101
410	410
411	411
420	420
421	421
430	430
431	431
440	440
441	441
450	450
470	470
480	480

Course Impact

Course	Catalog Location
CLS 101	None
CLS 410	Clinical Laboratory Science major—Term 7 and 8
CLS 411	Clinical Laboratory Science major—Term 7 and 8
CLS 420	Clinical Laboratory Science major—Term 7 and 8
CLS 421	Clinical Laboratory Science major—Term 7 and 8
CLS 430	Clinical Laboratory Science major—Term 7 and 8
CLS 431	Clinical Laboratory Science major—Term 7 and 8
CLS 440	Clinical Laboratory Science major—Term 7 and 8
CLS 441	Clinical Laboratory Science major—Term 7 and 8
CLS 450	Clinical Laboratory Science major—Term 7 and 8
CLS 470	Clinical Laboratory Science major—Term 7 and 8
CLS 480	Clinical Laboratory Science major—Term 7 and 8

Rationale: The nationally recognized name for this career is now Medical Laboratory Science. With the new name, our major name will match the national trend. Impact on other units: No known impact. Financial impact: None.

DEPARTMENT OF EARTH AND PLANETARY SCIENCES

(GEOL) Geology

ADD

301 Introduction to Scientific Field Methods and Analysis (3) Necessary philosophical underpinnings of the scientific method as applied to data collection. The course includes field data collection based on sound statistics and scientific methods, acquisition of field data in a scientifically rigorous manner, and production of robust field notes.

Contact Hour Distribution: 2 hours lecture and one 2-hour lab.

(RE) Prerequisite(s): Two geology courses selected from 101, 102, 103, and 104.

Rationale: This course has been developed as a common core course for both geology and environmental studies concentrations. The course emphasizes common scientific methods used in both fields. Impact on other units: None. Financial impact: None.

454 Environmental Restoration (3) Applications of ecology and geological sciences toward restoring natural systems to become more fully functioning ecosystems. Topics include: geological mitigation, ecological succession, non-native species, and many case studies. At least one field trip to a nearby ecological restoration site will be required.

Recommended Background: An introductory course in geology, physical geography, conservation or basic ecology.

Rationale: This course is now being taught as a special problems in geology course but will become part of the sustainability major once it is established. Impact on other units: None. Financial impact: None.

REVISE TITLE, REVISE RECOMMENDED BACKGROUND

†450 Geomorphology (3)

Recommended Background: Two introductory geology or physical geography courses and high school or college physics.

Formerly: Process Geomorphology

Recommended Background: Introductory geology and introductory calculus or consent of instructor.

Rationale: The new title more properly reflects the course content that includes historical geomorphology. Some basic understanding of geology or physical geography, and basic physics is necessary for students to successfully pursue the more advanced knowledge taught in this course. Impact on other units: Cross listed with Geography. Financial impact: None.

DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY

(EEB) Ecology and Evolutionary Biology

REVISE CROSSLIST (TO MAKE SECONDARY), REVISE TITLE, REVISE DESCRIPTION

†370 Evolutionary Psychology and Ethology (3) *(See Psychology 370.)*

Formerly: Ethology and Sociobiology (3) Basic concepts in the evolutionary approach to behavior, including applications to psychology, the social sciences, and the humanities. (Same as Psychology 370.)

Rationale: We are changing the primary department from EEB to PSYC. For the foreseeable future this course will be taught almost exclusively by Psychology faculty, thus it makes sense to have its primary home in that department. The title change reflects contemporary language and more accurately reflects the course content. Impact on other units: Cross listed with Psychology which is becoming the primary department. Financial impact: None.

DEPARTMENT OF ENGLISH

(ENGL) English

ADD

***261 Themes in Creative Writing (3)** Theme-based course that offers practice in creative writing using literary models as well as practice in analytical interpretation. Sections may vary to focus on poetry, fiction, or nonfiction.

Satisfies General Education Requirement: (WC)

(RE) Prerequisite(s): 102 or 118.

Rationale: The class offers a hybrid approach to the teaching of creative writing, one that blends the skills of analyzing and creating creative works. The hybrid design allows our creative writing faculty to offer a WC course. It is also designed to attract students who are interested in creative writing but intimidated by it. Impact on other units: None. Financial impact: None.

REVISE TITLE, REVISE DESCRIPTION

339 Children's/Young Adult Literature (3) Study of works about child and young adult characters, which may include fairy tales, picture books and popular fiction from the nineteenth century to the present.

Formerly: Children's Literature (3) Study of works for and about children, including fairy tales, adventure stories and film adaptations.

409 Shakespeare's Contemporaries II: Renaissance Poetry and Prose (3) Principal achievements in poetry and prose of 16th-century authors—More, Wyatt, Marlowe, Spenser, Sidney, and Donne.

Formerly: Spenser and his Contemporaries (3) Principal achievements in prose and poetry of 16th-century authors — Spenser, Wyatt, Marlowe, More, Sidney, and Bacon.

410 Donne, Milton, and Their Contemporaries (3) Principal achievements in poetry and prose of the first two-thirds of the 17th century. Includes such writers as Donne, Herbert, Lanyer, Bacon, Browne, Marvell, and Milton.

Formerly: Milton, Donne, and their Contemporaries (3) Principal achievements in prose and poetry of the first two-thirds of the 17th-century. Poetry of Milton, Donne, and Marvell. Prose of Browne, Bacon, and Walton.

435 American Fiction to 1900 (3) Explores the development of American novels and short fiction published between the Revolutionary era and the end of the nineteenth century. Includes such writers as Rowson, Cooper, Poe, Hawthorne, Melville, Stowe, James, Twain, and Chesnutt.

Formerly: American Novel before 1900 (3) Traces the development of the American novel from the late 18th to the late 19th centuries. Includes such writers as Rowson, Brown, Cooper, Hawthorne, Melville, Stowe, James, Twain, and Dreiser.

Rationale: The revised title and description more accurately describe the course as it is taught. Impact on other units: None. Financial impact: None.

REVISE TITLE

406 Shakespeare's Contemporaries I: Renaissance Drama (3)

Formerly: Renaissance Drama.

Rationale: The changes in title reflect the evolving discipline and our sense of what kinds of descriptions will resonate with today's students. Impact on other units: None. Financial impact: None.

DEPARTMENT OF GEOGRAPHY

(GEOG) Geography

DROP

*201 Concepts in Human Geography (3)

ADD AND REQUEST GENERAL EDUCATION DESIGNATION

***121 Human Geography: People and Places (3)** Introduction to key topics and core concepts in human geography. Human activities, their organization, and their impacts on the landscape.

Satisfies General Education Requirement: (SS)

Equivalency Table

Current Course Geography (GEOG)	Equivalent Course Effective Fall 2014 Geography (GEOG)
201	121

Course Impact

Course	Catalog Location
GEOG 201	Geography major—Program text paragraph; Prerequisites, Select one course: list
	Geography major (uTrack Requirements)—Term 2, Term 4 Milestone notes
	College of Arts and Sciences—Part A: Divisional Distribution Requirements, Social Sciences, List A

Rationale: GEOG 121 replaces GEOG 201. As an introductory course, the 100-level designation will bring the course number in line with the department's other introductory offerings. Impact on other units: None. Financial impact: None.

ADD CROSSLIST (TO EXISTING COURSE)

†343 Geography of Human Rights (3) Human rights and social justice issues around the world. Special consideration of Africa and the African diaspora. *(Same as Africana Studies 342.)*

Rationale: This is an appropriate course for the Africana Studies program. Impact on other units: Cross listing with Africana Studies. Financial impact: None.

REVISE DESCRIPTION, DROP (DE) PREREQUISITE

415 Quantitative Methods in Geography (4) Fundamental concepts in geographic research. Spatial thinking and reasoning. Experimental and non-experimental research design (from generating research questions to formulating hypotheses and developing research plans). Concepts of statistics (nonparametric and parametric methods, analysis of variance, regression, patterns in space and time, and use of statistical software). A required course for geography majors.

Formerly: Geographic application of statistical techniques, point pattern analysis, spatial analysis, and correlation and regression techniques.
(DE) Prerequisite(s): Mathematics 115 or Statistics 201.

Rationale: The course has evolved to the point that prerequisites are no longer required. The course is being made a required course due to the career-related demands for this skillset among geography graduates. Impact on other units: None. Financial impact: None

REVISE TITLE

†450 Geomorphology (3)

Formerly: Process Geomorphology

Rationale: The title of this course is being changed by the primary department. Impact on other units: Cross listed with Geology (Earth and Planetary Sciences) course. Financial impact: None.

DEPARTMENT OF HISTORY

(HIST) History

ADD AND CROSSLIST

†300 The Rise and Fall of Slavery in the United States (3) Surveys the rise and fall of racial slavery in the United States. Topics include: trans-Atlantic slave trade, economics of slavery, gendered aspects of slave life and resistance in colonial and post-Revolutionary America, paternalism and violence in the slaveholding South, multiracial abolitionist movement, and slavery's final collapse during the Civil War. Writing-emphasis course. (*Same as Africana Studies 300.*)

Rationale: An undergraduate course on the history of US slavery is a standard in most U.S. universities and liberal arts colleges, especially among top-tiered national universities and public universities in the South. In addition, adding this course will allow us to capitalize on emerging faculty strengths and specializations. Impact on other units: Cross listed with Africana Studies. Financial impact: None.

†346 African-American Religious History (3) Surveys the diverse religious histories and traditions of African Americans from the earliest years of the trans-Atlantic slave trade and the transmission of African cultures to the New World up to the present. Considerable attention will be given to African-American Protestantism, but black expressions of Catholicism, Islam, and folk/non-traditional religions will also be examined. Writing-emphasis course. (*Same as Africana Studies 346.*)

Rationale: An undergraduate course in African-American religious history is a standard in most U.S. universities and liberal arts colleges, especially among top-tiered national universities and public universities in the South. Adding this course will also permit us to capitalize on new faculty strengths and specialization and, it is hoped, bring a new and more diverse population of students to our major. Impact on other units: Cross listed with Africana Studies. Course has been endorsed by Religious Studies, which offers a course with related content, REST 352. Financial impact: None.

†374 History of the Civil Rights Movement in the United States (3) Examines the history of the civil rights movement in the United States from Reconstruction to the present. Writing-emphasis course. (*Same as Africana Studies 374.*)

Rationale: An undergraduate course on the history of civil rights movement, specifically focused on the African-American struggle for freedom and justice, is a standard in most U.S. universities and liberal arts colleges, especially among top-tiered national universities and public universities in the South. This course will also allow us to capitalize on new faculty interests and research specializations. Impact on other units: Cross listed with Africana Studies. SOCI 472, which also deals with the Civil Rights Movement in the US, approaches the subject from a different disciplinary perspective, handles a different set of topics, focuses on a narrower time-frame, and is taught at the 400, rather than the 300 level. Financial impact: None.

†376 African-American Women's History from Slavery to the Present (3) Surveys the 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 day. Writing-emphasis course. (*Same as Africana Studies 375; Women's Studies 376.*)

Rationale: A survey course on the history of African-American women is increasingly becoming a standard in US universities and liberal arts colleges. Adding this course will also help us capitalize on new faculty interests and specializations. Impact on other units: Cross listed with Women's Studies and Africana Studies. Financial impact: None.

ADD

311 Dark Age Empire (3) Course examines the era of Charlemagne and the Carolingian dynasty (ca. 700-ca. 900), a period of empire-building and religious transformation known to many of its contemporaries as a "Dark Age." Topics include political and social change, Christianization, intellectual development, gender relationships, and warfare and violence. Writing-emphasis course.

Rationale: This course offers in-depth study of early medieval Europe's most formative period, broadening the department's course offerings on European medieval history and complementing such current courses as History 323 and 395. Impact on other units: None. Financial impact: None.

340 Revolution in Modern European History: France and Russia (3) Focuses on the two most important political revolutions in modern European history: the French Revolution of 1789 and the Russian Revolution of 1917. Topics include concepts of rights, inequality, religion, counterrevolution, and terror and revolutionary violence. Writing-emphasis course.

Rationale: Currently our students get only a general and brief introduction to the French and Russian Revolutions when taking 242, 320, and 336. This course will allow for a more in-depth and comparative examination. It is also limited to Europe, in contrast to 375. Impact on other units: None. Financial impact: None.

394 Chinese Intellectual History: Early Times (3) Surveys intellectual traditions in China from early times to the medieval period, beginning with Confucius. Considers the development and evolution of primary concepts and values over centuries, and the impact of changes in forms of political organization on intellectual life. Writing-emphasis course.

Rationale: To capitalize on our emerging faculty strength in Chinese history, particularly early China and its intellectual traditions. Impact on other units: None. Financial impact: None.

439 Food and Power in US History (3) This course examines American history through the lenses of food and agriculture, emphasizing social, political, economic, and environmental questions, as well as interactions with the non-human world. Writing emphasis course.

Rationale: There is no course in the current undergraduate program that emphasizes food, environmental, rural, or agricultural history, each of which are central to understanding most of the human past. The course seeks also to capitalize on the growing interest among young Americans in alternative foodways and agriculture, but from a historical standpoint rather than a contemporary ideological one. Impact on other units: None. Financial impact: None.

REVISE TITLE, REVISE DESCRIPTION

391 Modern Chinese Intellectual History (3) Examines major intellectual currents in late nineteenth and twentieth-century China, including: reconsideration of the role of Confucianism in Chinese state and society, gender and the family; the rise of a philosophy of science and social survey movements; and the formulation of a Chinese Marxist ideology. Writing-emphasis course.

Formerly: Chinese Intellectual History (3) Surveys the history of intellectual traditions in China through the present. Examines the formation and transformation of cultural values, the social and political roles of intellectuals, and interactions between elite and popular cultural patterns. Writing-emphasis course.

Rationale: The course description is far too capacious and does not reflect the new specializations and strengths of recently hired faculty. We propose this change to narrow the focus and to capitalize on our emerging faculty strength in Chinese history. Impact on other units: None. Financial impact: None.

INTERDISCIPLINARY PROGRAMS

(AFST) Africana Studies

ADD (SECONDARY CROSSLIST)

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

†342 Geography of Human Rights (3) (See Geography 343.)

†374 History of the Civil Rights Movement in the United States (3) (See History 374.)

†375 African-American Women's History from Slavery to the Present (3) (See History 376.)

†346 African-American Religious History (3) (See History 346.)

†356 Rastafari and Afro-Caribbean Religions (3) (See Religious Studies 356.)

Rationale: These are appropriate courses for the Africana Studies program. Impact on other units: Cross listed History courses. Financial impact: None.

DROP

†496 Biology of Human Variability (3)

Course Impact	
Course	Catalog Location
AFST 496	Interdisciplinary Programs major—Africana Studies concentration, Select 3 hours: list;
	Select 12 hours: list
	Africana Studies minor—Select 9 hours: list
	Crosslist with ANTH 496

Rationale: Primary department dropping course. Impact on other units: Cross-listed with Anthropology. Financial impact: None.

(AMST) American Studies

ADD (SECONDARY CROSSLIST)

†353 Rastafari and Afro-Caribbean Religions (3) (See *Religious Studies* 356.)

†360 Witchcraft, Magic and Religion (3) (See *Religious Studies* 360.)

Rationale: These are appropriate courses for the American Studies program. Impact on other units: Cross listed Religious Studies courses. Financial impact: None.

REVISE TITLE, REVISE DESCRIPTION, ADD REPEATABILITY

450 Senior Seminar in Interdisciplinary American Studies (3) Capstone seminar for majors in the American Studies program. Explores variable topics in the field of American Studies with an emphasis on student research projects.

Repeatability: May be repeated. Maximum 6 hours.

Formerly: Seminar in American Studies (3) Intensive study of a major issue in American studies scholarship.

Rationale: We are trying to institute a capstone experience for our majors to give more sense of a center to our program and to put greater stress on integrative research. The new description reflects our emerging plan. The repeatability will help some students and give us more flexibility to build an optimum class size. Impact on other units: None. Financial impact: None.

(ASST) Asian Studies

ADD GRADING RESTRICTION

†121 Elementary Modern Standard Arabic I (4) (Same as Arabic 121.)

Grading Restriction: A, B, C, No Credit grading only.

REVISE (RE) PREREQUISITE, ADD GRADING RESTRICTION

†122 Elementary Modern Standard Arabic II (4) (Same as Arabic 122.)

Grading Restriction: A, B, C, No Credit grading only.

(RE) Prerequisite(s): 121 with a grade of C or better.

Formerly: (RE) Prerequisite(s): 121.

ADD (RE) PREREQUISITE

†*221 Intermediate Modern Standard Arabic I (4) (Same as Arabic 221.)

(RE) Prerequisite(s): 122 with a grade of C or better.

Rationale: Students should have at least a C-level master of the material to progress and freshmen will be able to take the 100-level courses without risk of an F in their GPA. Impact on other units: None. Financial impact: None.

(CNST) Cinema Studies

REVISE CROSSLIST REFERENCE

†315 Asian Film (3) (See *Japanese* 315.)

Formerly: (See Asian Languages 315.)

Rationale: Asian Languages is being dropped and replaced by Chinese and Japanese. Impact on other units: None. Financial impact: None.

(JST) Judaic Studies

REVISE TITLE

†320 Gender and Religion (3) (See *Religious Studies* 320.)

Formerly: Women and Religion.

Rationale: The primary department is changing the title of this course. Impact on other units: Cross listed Religious Studies course. Financial impact: None.

(WOST) Women's Studies

ADD (SECONDARY CROSSLIST)

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

Rationale: This is an appropriate course for the Women's Studies program. Impact on other units: Cross listed History course. Financial impact: None.

REVISE TITLE

†320 Gender and Religion (3) *(See Religious Studies 320.)*

Formerly: Women and Religion.

Rationale: The primary department is changing the title of this course. Impact on other units: Cross listed Religious Studies course. Financial impact: None.

DROP

†383 Women in the Greek and Roman World (3) *(See Classics 383.)*

Course Impact	
Course	Catalog Location
WOST 383	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Europe

Rationale: The primary department is dropping the course. Impact on other units: Cross listed Classics course. Financial impact: None.

DEPARTMENT OF MATHEMATICS**(MATH) Mathematics**

DROP

100 Intermediate Algebra (3)**109 Algebra Workshop (1)**

Course Impact	
Course	Catalog Location
MATH 100	None
MATH 109	None

Rationale: The department is no longer offering these remedial courses. Impact on other units: None. Financial impact: None.

REVISE COMMENT

119 College Algebra (3)

Comment(s): This course should not be taken to remove an entrance requirement.

Formerly: Satisfactory placement test score required. This course should not be taken to remove an entrance requirement.

Rationale: This is now Math's lowest numbered course, so no placement score is required. Impact on other units: None. Financial impact: None.

REVISE DESCRIPTION

***123 Finite Mathematics (3)** For students not planning to major in the physical sciences, engineering, mathematics or computer science. Topics include systems of linear equations and matrices, matrix algebra and applications, linear programming and the mathematics of investments and loans.

Formerly: For students not planning to major in the physical sciences, engineering, mathematics or computer science. Exponential and logarithmic functions, interest and annuities, linear systems and matrices, optimization.

Rationale: Exponential and logarithmic functions is no longer taught in this course. The new description emphasizes business applications. Impact on other units: This course is taken by many Business majors. However, the new course description reflects how the course is currently taught so will not affect the course's suitability, but will emphasize it. Financial impact: None.

REVISE (RE) PREREQUISITE, REVISE COMMENT

130 Precalculus I (4)*(RE) Prerequisite(s): 119 or appropriate placement exam score.**Comment(s): For students who satisfy the course prerequisites for 141 or 151, but whose placement test scores indicate additional preparation is necessary.*

Formerly: (RE) Prerequisite(s): 119 or 123 or 125.

Comment(s): For students who satisfy the course prerequisites for 141 or 151, but whose placement test scores indicate additional preparation is necessary. Students who did not study trigonometry in high school may take the non-credit course in trigonometry simultaneously with 130.

Rationale: The noncredit trigonometry course is no longer offered and the 123/125 prerequisites are confusing to students. These prerequisites are redundant since those who place into 123 or 125 also place into 119. Special cases can be handled by petition. Impact on other units: None. Financial impact: None.

DROP REGISTRATION PERMISSION

309 Putnam Preparation Seminar (1)

Formerly: Consent of instructor.

Rationale: This course is preparation for the Putnam Exam and the original thought was that the instructor needed to make sure that students would be taking the exam before allowing them to register. The instructor feels now that this is too much of a nuisance and that enrolled students can be emailed ahead of time to verify their status. Impact on other units: None. Financial impact: None.

DEPARTMENT OF MICROBIOLOGY**(MICR) Microbiology**

ADD

321 Advanced Microbiology (3) Discussion of selected themes in microbiology with a focus on the recent primary literature.*(RE) Prerequisite(s): Biology 220.**(RE) Corequisite(s): Biology 240.*

Equivalency Table

Former Course Microbiology (MICR)	Equivalent Course Effective Fall 2014 Microbiology (MICR)
320	321

Rationale: This course was MICR 320 and was dropped on the not offered for four years list. The biology departments now need the course in their programs so we are adding it back. Impact on other units: Will be used in BCMB and EEB programs. Financial impact: None.

DEPARTMENT OF MODERN FOREIGN LANGUAGES AND LITERATURES**(ASLN) Asian Languages**

DROP ACADEMIC DISCIPLINE AND ALL COURSES

†\$131 Elementary Chinese I (5)**†\$132 Elementary Chinese II (5)****†\$151 Elementary Japanese I (4)****†\$152 Elementary Japanese II (4)*****†\$231 Intermediate Chinese I (5)*****†\$232 Intermediate Chinese II (5)*****†\$251 Intermediate Japanese I (4)*****†\$252 Intermediate Japanese II (4)****†311 Chinese Literature in English Translation (3)****†313 Japanese Literature in English Translation (3)****†314 Japanese Literature in English Translation (3)****†315 Asian Film (3)****†321 Japanese Graphic Novels and Animation (3)**

†331 Advanced Chinese I (4)
 †332 Advanced Chinese II (4)
 †351 Advanced Japanese I (3)
 †352 Advanced Japanese II (3)
 †413 Topics in Japanese Literature (3)
 †431 Readings in Chinese Literature (3)
 †451 Readings in Pre-Modern Japanese Literature (3)
 †452 Readings in Modern Japanese Literature (3)
 490 Chinese and Japanese Internship (1-15)
 491 Chinese and Japanese Foreign Study (1-15)

Course Impact

Course	Catalog Location
ASLN 131	Modern Foreign Languages and Literatures major—Language and World Business/Chinese concentration (uTrack Requirements), Term 1
	Interdisciplinary Programs major—Linguistics concentration, Corequisites, Complete a two-semester sequence (non-Indo-European language): list
	Crosslist with CHIN 131
	ASLN 132—(RE) Prerequisite
ASLN 132	Modern Foreign Languages and Literatures major—Language and World Business/Chinese concentration (uTrack Requirements), Term 2, Term 2 Milestone notes
	Interdisciplinary Programs major—Linguistics concentration, Corequisites, Complete a two-semester sequence (non-Indo-European language): list
	Crosslist with CHIN 132
	ASLN 231—(RE) Prerequisite
ASLN 151	Modern Foreign Languages and Literatures major—Language and World Business/Japanese concentration (uTrack Requirements), Term 1
	Interdisciplinary Programs major—Linguistics concentration, Corequisites, Complete a two-semester sequence (non-Indo-European language): list
	Crosslist with JAPA 151
	ASLN 152—(RE) Prerequisite
ASLN 152	Modern Foreign Languages and Literatures major—Language and World Business/Japanese concentration (uTrack Requirements), Term 2, Term 2 Milestone notes
	Interdisciplinary Programs major—Linguistics concentration, Corequisites, Complete a two-semester sequence (non-Indo-European language): list
	Crosslist with JAPA 152
	ASLN 251—(RE) Prerequisite
ASLN 231	College of Arts and Sciences—Basic Skills and Distribution Requirements, Foreign Language, 1st bullet
	General Education Requirement—INTERMEDIATE FOREIGN LANGUAGE SEQUENCES, Asian Languages list
	Modern Foreign Languages and Literatures major—Language and World Business/Chinese Concentration (uTrack Requirements), Term 3
	Modern Foreign Languages and Literatures major—Language and World Business/Chinese Concentration, I. Language Requirement: Chinese--27 hours A. Complete: list
	Interdisciplinary Programs major—Asian Studies concentration, I. China (26 hours), Corequisites: list
	Chinese minor—Prerequisites list
	Crosslist with CHIN 231
	ASLN 232—(RE) Prerequisite
ASLN 232	College of Arts and Sciences—Basic Skills and Distribution Requirements, Foreign Language, 1st bullet
	General Education Requirement—INTERMEDIATE FOREIGN LANGUAGE SEQUENCES, Asian Languages list
	International Agriculture and Natural Resources minor—Select one course:(2) list
	Modern Foreign Languages and Literatures major—Language and World Business/Chinese Concentration, I. Language Requirement: Chinese--27 hours A. Complete: list
	Modern Foreign Languages and Literatures major—Language and World Business/Chinese Concentration (uTrack Requirements), Term 4; Term 4 Milestone notes
	Interdisciplinary Programs major—Asian Studies concentration, I. China (26 hours), Corequisites: list

	Chinese minor—Prerequisites list
	Crosslist with CHIN 232
	ASLN 331—(RE) Prerequisite
	ASLN 431—(RE) Prerequisite
ASLN 251	Modern Foreign Languages and Literatures major—Language and World Business/Japanese concentration (uTrack Requirements), Term 3
	Interdisciplinary Programs major—Asian Studies concentration, III. Japan (26 hours), Corequisites: list
	College of Arts and Sciences—Basic Skills and Distribution Requirements, Foreign Language, 1st bullet
	General Education Requirement—INTERMEDIATE FOREIGN LANGUAGE SEQUENCES, Asian Languages list
	Japanese minor—Prerequisites list
	Crosslist with JAPA 251
	ASLN 252—(RE) Prerequisite
ASLN 252	College of Arts and Sciences—Basic Skills and Distribution Requirements, Foreign Language, 1st bullet
	Interdisciplinary Programs major—Asian Studies concentration, III. Japan (26 hours), Corequisites: list
	International Agriculture and Natural Resources minor—Select one course:(2) list
	General Education Requirement—INTERMEDIATE FOREIGN LANGUAGE SEQUENCES, Asian Languages list
	Modern Foreign Languages and Literatures major—Language and World Business/Japanese Concentration (uTrack Requirements), Term 4; Term 4 Milestone notes
	Japanese minor—Prerequisites list
	Crosslist with JAPA 252
	ASLN 351—(RE) Prerequisite
	ASLN 451—(RE) Prerequisite
	ASLN 452—(RE) Prerequisite
ASLN 311	College of Arts and Sciences—Part A: Divisional Distribution Requirements, Arts and Humanities, List A-Literature
	Interdisciplinary Programs major—Asian Studies concentration, I. China (26 hours), Select 6 hours (Subdivision A): list; Select 8 remaining hours: list; II. Islamic World (26 hours), Select 6 hours (other geographical-cultural area): list; Select 8 remaining hours: list; III. Japan (26 hours), Select 6 hours (other geographical-cultural area): list; Select 8 remaining hours: list; IV. South Asia (26 hours), Select 6 hours (other geographical-cultural area): list; Select 8 remaining hours: list
	Asian Studies minor—I. China, Select 6 hours (Subdivision A): list; II. Islamic World, Select 3 hours (other geographical-cultural area): list; III. Japan, Select 3 hours (other geographical-cultural area): list; IV. South Asia, Select 3 hours (other geographical-cultural area): list
	Modern Foreign Languages and Literatures major—Language and World Business/Chinese concentration, I. Language Requirement: Chinese--27 hours, B. Select 9 hours: list
	Chinese minor—Required Courses, Select 9 hours: list
	Crosslist with CHIN 311
ASLN 313	College of Arts and Sciences—Part A: Divisional Distribution Requirements, Arts and Humanities, List A-Literature
	Interdisciplinary Programs major—Asian Studies concentration, I. China (26 hours), Select 6 hours (other geographical-cultural area): list; Select 8 remaining hours: list; II. Islamic World (26 hours), Select 6 hours (other geographical-cultural area): list; Select 8 remaining hours: list; III. Japan (26 hours), Select 6 hours (Subdivision A): list; Select 8 remaining hours: list; IV. South Asia (26 hours), Select 6 hours (other geographical-cultural area): list; Select 8 remaining hours: list
	Asian Studies minor—I. China, Select 3 hours (other geographical-cultural area): list; II. Islamic World, Select 3 hours (other geographical-cultural area): list; III. Japan, Select 6 hours (Subdivision A): list; IV. South Asia, Select 3 hours (other geographical-cultural area): list
	Japanese minor—Required Courses, Select 6 hours: list
	Crosslist with JAPA 313
ASLN 314	College of Arts and Sciences—Part A: Divisional Distribution Requirements, Arts and Humanities, List A-Literature

	Interdisciplinary Programs major—Asian Studies concentration, I. China (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list; II. Islamic World (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list; III. Japan (26 hours), Select 6 hours (Subdivision A): list; Select 8 remaining hours: list; IV. South Asia (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list Asian Studies minor—I. China, Select 3 hours (other geographical-cultural area): list; II. Islamic World, Select 3 hours (other geographical-cultural area): list; III. Japan, Select 6 hours (Subdivision A): list; IV. South Asia, Select 3 hours (other geographical-cultural area): list Japanese minor—Required Courses, Select 6 hours: list Crosslist with JAPA 314
ASLN 315	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Asia Interdisciplinary Programs major—Asian Studies concentration, I. China (26 hours), Select 8 remaining hours: list; II. Islamic World (26 hours), Select 8 remaining hours: list; III. Japan (26 hours), Select 8 remaining hours: list; IV. South Asia (26 hours), Select 8 remaining hours: list Modern Foreign Languages and Literatures major—Language and World Business/Chinese concentration, I. Language Requirement: Chinese--27 hours, B. Select 9 hours: list Crosslist with CNST 315
ASLN 321	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Asia Interdisciplinary Programs major—Asian Studies concentration, I. China (26 hours), Select 8 remaining hours: list; II. Islamic World (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list; III. Japan (26 hours), Select 6 hours (Subdivision A): list; Select 8 remaining hours: list; IV. South Asia (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list Asian Studies minor—II. Islamic World, Select 3 hours (other geographical-cultural area): list; III. Japan, Select 6 hours (Subdivision A): list; IV. South Asia, Select 3 hours (other geographical-cultural area): list Crosslist with JAPA 321
ASLN 331	Upper-Division Modern Foreign Language Courses Taught in the Language of Study Modern Foreign Languages and Literatures major—Language and World Business/Chinese concentration (uTrack Requirements), Term 5 Interdisciplinary Programs major—Asian Studies concentration, I. China (26 hours), Select 6 hours (Subdivision A): list; Select 8 remaining hours: list; II. Islamic World (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list; III. Japan (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list; IV. South Asia (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list Asian Studies minor—I. China, Select 6 hours (Subdivision A): list; II. Islamic World, Select 3 hours (other geographical-cultural area): list; III. Japan, Select 3 hours (other geographical-cultural area): list; IV. South Asia, Select 3 hours (other geographical-cultural area): list Modern Foreign Languages and Literatures major—Language and World Business/Chinese concentration, I. Language Requirement: Chinese--27 hours, A. Complete: list Chinese minor—Required Courses, Complete: list Crosslist with CHIN 331 ASLN 332—(RE) Prerequisite
ASLN 332	Upper-Division Modern Foreign Language Courses Taught in the Language of Study Modern Foreign Languages and Literatures major—Language and World Business/Chinese concentration (uTrack Requirements), Term 6 Interdisciplinary Programs major—Asian Studies concentration, I. China (26 hours), Select 6 hours (Subdivision A): list; Select 8 remaining hours: list; II. Islamic World (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list; III. Japan (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;

	IV. South Asia (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list
	Asian Studies minor—I. China, Select 6 hours (Subdivision A): list;
	II. Islamic World, Select 3 hours (other geographical-cultural area): list;
	III. Japan, Select 3 hours (other geographical-cultural area): list;
	IV. South Asia, Select 3 hours (other geographical-cultural area): list
	Modern Foreign Languages and Literatures major—Language and World Business/Chinese concentration, I. Language Requirement: Chinese--27 hours, A. Complete: list
	Chinese minor—Required Courses, Complete: list
	Crosslist with CHIN 332
ASLN 351	Upper-Division Modern Foreign Language Courses Taught in the Language of Study
	Modern Foreign Languages and Literatures major—Language and World Business/Japanese Concentration (uTrack Requirements) Term 5
	Interdisciplinary Programs major—Asian Studies concentration,
	I. China (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;
	II. Islamic World (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;
	III. Japan (26 hours), Select 6 hours (Subdivision A): list; Select 8 remaining hours: list;
	IV. South Asia (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list
	Asian Studies minor—I. China, Select 3 hours (other geographical-cultural area): list;
	II. Islamic World, Select 3 hours (other geographical-cultural area): list;
	III. Japan, Select 6 hours (Subdivision A): list;
	IV. South Asia, Select 3 hours (other geographical-cultural area): list
	Japanese minor—Required Courses, Complete: list
	Crosslist with JAPA 351
	ASLN 352—(RE) Prerequisite
ASLN 352	Upper-Division Modern Foreign Language Courses Taught in the Language of Study
	Modern Foreign Languages and Literatures major—Language and World Business/Japanese Concentration (uTrack Requirements) Term 6
	Interdisciplinary Programs major—Asian Studies concentration,
	I. China (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;
	II. Islamic World (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;
	III. Japan (26 hours), Select 6 hours (Subdivision A): list; Select 8 remaining hours: list;
	IV. South Asia (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list
	Asian Studies minor—I. China, Select 3 hours (other geographical-cultural area): list;
	II. Islamic World, Select 3 hours (other geographical-cultural area): list;
	III. Japan, Select 6 hours (Subdivision A): list;
	IV. South Asia, Select 3 hours (other geographical-cultural area): list
	Japanese minor—Required Courses, Complete: list
	Crosslist with JAPA 352
ASLN 413	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Asia
	Interdisciplinary Programs major—Asian Studies concentration,
	I. China (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;
	II. Islamic World (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;
	III. Japan (26 hours), Select 6 hours (Subdivision A): list; Select 8 remaining hours: list;
	IV. South Asia (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list
	Asian Studies minor—I. China, Select 3 hours (other geographical-cultural area): list;
	II. Islamic World, Select 3 hours (other geographical-cultural area): list;
	III. Japan, Select 6 hours (Subdivision A): list;
	IV. South Asia, Select 3 hours (other geographical-cultural area): list
	Japanese minor—Required Courses, Select 6 hours: list
	Crosslist with JAPA 413
ASLN431	Interdisciplinary Programs major—Asian Studies concentration,
	I. China (26 hours), Select 6 hours (Subdivision A): list; Select 8 remaining hours: list;
	II. Islamic World (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;
	III. Japan (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;

	IV. South Asia (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list
	Asian Studies minor—I. China, Select 6 hours (Subdivision A): list;
	II. Islamic World, Select 3 hours (other geographical-cultural area): list;
	III. Japan, Select 3 hours (other geographical-cultural area): list;
	IV. South Asia, Select 3 hours (other geographical-cultural area): list
	Crosslist with CHIN 431
ASLN 451	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Literature Courses Taught in a Foreign Language
	Upper-Division Modern Foreign Language Courses Taught in the Language of Study
	Interdisciplinary Programs major—Asian Studies concentration,
	I. China (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;
	II. Islamic World (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;
	III. Japan (26 hours), Select 6 hours (Subdivision A): list; Select 8 remaining hours: list;
	IV. South Asia (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;
	Asian Studies minor—I. China, Select 3 hours (other geographical-cultural area): list;
	II. Islamic World, Select 3 hours (other geographical-cultural area): list;
	III. Japan, Select 6 hours (Subdivision A): list;
	IV. South Asia, Select 3 hours (other geographical--cultural area): list
	Interdisciplinary Programs major—Comparative Literature concentration, Select 9 hours (300-level literature in a foreign language): list; Select 9 hours (300-level literature): list
	Comparative Literature minor—Select 6 hours (300-400 level literature in a foreign language): list; Select 6 hours (from different department): list
	Interdisciplinary Programs major—Medieval and Renaissance Studies concentration, Select five upper-level elective courses from at least two departments: list
	Medieval and Renaissance Studies minor—Select three upper-level elective courses from at least two departments: list
	Japanese minor—Required Courses, Complete: list
	Crosslist with JAPA 451
ASLN 452	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Literature Courses Taught in a Foreign Language
	Upper-Division Modern Foreign Language Courses Taught in the Language of Study
	Interdisciplinary Programs major—Asian Studies concentration, I. China (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;
	II. Islamic World (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list;
	III. Japan (26 hours), Select 6 hours (Subdivision A): list; Select 8 remaining hours: list;
	IV. South Asia (26 hours), Select 6 hours (other geographical--cultural area): list; Select 8 remaining hours: list
	Asian Studies minor—I. China, Select 3 hours (other geographical-cultural area): list;
	II. Islamic World, Select 3 hours (other geographical-cultural area): list;
	III. Japan, Select 6 hours (Subdivision A): list;
	IV. South Asia, Select 3 hours (other geographical-cultural area): list
	Interdisciplinary Programs major—Comparative Literature concentration, Select 9 hours (300-level literature in a foreign language): list; Select 9 hours (300-level literature): list
	Comparative Literature minor—Select 6 hours (300-400 level literature in a foreign language): list; Select 6 hours (from different department): list
	Japanese minor—Required Courses, Complete: list
	Crosslist with JAPA 452
ASLN 490	Modern Foreign Languages and Literatures major—Language and World Business/Japanese concentration (uTrack Requirements), Term 6
	Modern Foreign Languages and Literatures major—Language and World Business/Chinese concentration (uTrack Requirements), Term 6
	Modern Foreign Languages and Literatures major—Language and World Business/Chinese concentration, II. Practical Experience--3 hours, Select 3 hours from: list
	Modern Foreign Languages and Literatures major—Language and World Business/Japanese concentration, II. Practical Experience--3 hours, Select 3 hours from: list
ASLN 491	Modern Foreign Languages and Literatures major—Language and World Business/Japanese concentration (uTrack Requirements), Term 6
	Modern Foreign Languages and Literatures major—Language and World Business/Chinese concentration (uTrack Requirements), Term 6
	Modern Foreign Languages and Literatures Department—Study Abroad, 2nd paragraph

	Modern Foreign Languages and Literatures major—Language and World Business/Chinese concentration, II. Practical Experience--3 hours, Select 3 hours from: list
	Modern Foreign Languages and Literatures major—Language and World Business/Japanese concentration, II. Practical Experience--3 hours, Select 3 hours from: list

Rationale: Asian Language courses are being moved to Chinese and Japanese. Impact on other units: To be less confusing, Chinese and Japanese will be the primary (and only) listing for these courses. Financial impact: None.

(CHIN) Chinese

ADD

490 Chinese Internship (1-15) Career-related experiences in the United States or abroad.

Grading Restriction: Satisfactory/No Credit grading only.

Repeatability: May be repeated. Maximum 15 hours.

Registration Restriction(s): Chinese language and world business concentration.

491 Chinese Foreign Study (1-15)

Repeatability: May be repeated. Maximum 15 hours.

Equivalency Table

Current Course Asian Languages (ASLN)	Equivalent Course Effective Fall 2014 Chinese (CHIN)
490	490
491	491

Rationale: There was previously an ASLN listing for 490 and 491 to be used for both languages. Now the languages need their own listing. Impact on other units: None. Financial impact: None.

DROP CROSSLIST (RETAIN COURSE), ADD GRADING RESTRICTION

†\$131 Elementary Chinese I (5)

Grading Restriction: A, B, C, No Credit grading only.

DROP CROSSLIST (RETAIN COURSE), ADD GRADING RESTRICTION, REVISE (RE) PREREQUISITE

†\$132 Elementary Chinese II (5)

Grading Restriction: A, B, C, No Credit grading only.

(RE) Prerequisite(s): 131 with grade of C or better.

Formerly: (RE) Prerequisite(s): 131.

DROP CROSSLIST (RETAIN COURSE), REVISE (RE) PREREQUISITE

***†\$231 Intermediate Chinese I (5)**

Satisfies General Education Requirement: (CC)

(RE) Prerequisite(s): 132 with grade of C or better.

Formerly: (RE) Prerequisite(s): 132.

DROP CROSSLIST (RETAIN COURSE)

***†\$232 Intermediate Chinese II (5)**

Satisfies General Education Requirement: (CC)

(RE) Prerequisite(s): 231.

†311 Chinese Literature in English Translation (3) Classical literature. Writing-emphasis course.

†331 Advanced Chinese I (4)

(RE) Prerequisite(s): 232.

†332 Advanced Chinese II (4)

(RE) Prerequisite(s): 331.

†431 Readings in Chinese Literature (3)

Repeatability: May be repeated. Maximum 9 hours.

(RE) Prerequisite(s): 232.

Rationale: We are dropping the Asian Languages courses so the Chinese courses need to have full entry. Impact on other units: ASLN is being dropped. Financial impact: None.

(FREN) French

ADD GRADING RESTRICTION

\$111 Elementary French I (3)

Grading Restriction: A, B, C, No Credit grading only.

\$123 Intensive Elementary French (6)

Grading Restriction: A, B, C, No Credit grading only.

\$150 Intermediate French Transition (3)

Grading Restriction: A, B, C, No Credit grading only.

ADD GRADING RESTRICTION, REVISE (RE) PREREQUISITE

\$112 Elementary French II (3)

Grading Restriction: A, B, C, No Credit grading only.

(RE) Prerequisite(s): 111 with grade of C or better or placement score between 200 and 249.

Formerly: (RE) Prerequisite(s): 111 or placement score between 200 and 249.

REVISE (RE) PREREQUISITE

***\$211 Intermediate French I (3)**

(RE) Prerequisite(s): 112 or 123 or 150 with grade of C or better or placement score between 250 and 299.

Formerly: 112 or 123 or 150 or placement score between 250 and 299.

***\$223 Intensive Intermediate French (6)**

(RE) Prerequisite(s): 112 or 123 or 150 with grade of C or better or placement score between 250 and 299.

Formerly: 112 or 123 or 150 or placement score between 250 and 299.

Rationale: A grade of C or better is needed in the lower level language courses to be prepared for the next level. Adding the grading restriction to those lower level courses makes it consistent for transfer students and freshmen will be able to take the courses without risk of an F in their GPA. Impact on other units: None. Financial impact: None.

(GERM) German

DROP

\$101 Elementary German I (3)

\$102 Elementary German II (3)

***\$201 Intermediate German I (3)**

***\$202 Intermediate German II (3)**

301 Introduction to German Literature (3)

302 Introduction to German Literature (3)

305 Readings in German (3)

ADD

\$111 Elementary German I (3) Introduction to German.

Grading Restriction: A, B, C, No Credit grading only.

Credit Restriction: Not available to students eligible for 150.

Comment(s): If at least two years of German were taken in high school, a placement exam is required.

\$112 Elementary German II (3) Introduction to German.*Grading Restriction: A, B, C, No Credit grading only.**Credit Restriction: Not available to students eligible for 150.**(RE) Prerequisite(s): 111 with grade of C or better.****\$211 Intermediate German I (3)***Satisfies General Education Requirement: (CC)**(RE) Prerequisite(s): 112 or 123 or 150 with grade of C or better or placement score between 338 and 454.****\$212 Intermediate German II (3)***Satisfies General Education Requirement: (CC)**(RE) Prerequisite(s): 211.***321 Introduction to German Literatures and Cultures I (3)** Writing-emphasis course.*(RE) Prerequisite(s): 212 or 223 or placement score higher than 454.***322 Introduction to German Literatures and Cultures II (3)** Writing-emphasis course.*(RE) Prerequisite(s): 212 or 223 or placement score higher than 454.***325 Readings in German (3)** Topics in both literary and nonliterary fields. Students or student groups are encouraged to suggest topics for future courses. Writing-emphasis course.*Repeatability: May be repeated. Maximum 6 hours.**(RE) Prerequisite(s): 212 or 223 or placement score higher than 454.***Equivalency Table**

Current Course German (GERM)	Equivalent Course Effective Fall 2014 German (GERM)
101	111
102	112
201	211
202	212
301	321
302	322
305	325

Course Impact

Course	Catalog Location
GERM 101	Modern Foreign Languages and Literatures major—German Language and Literature concentration (uTrack Requirements), Term 1; Term 3 Milestone notes
	Modern Foreign Languages and Literatures major—German Studies concentration (uTrack Requirements), Term 1
	Modern Foreign Languages and Literatures major—Language and World Business/German concentration (uTrack Requirements), Term 1
	Music major—Voice concentration, footnote 2
	GERM 102— <i>(RE) Prerequisite</i>
	GERM 123— <i>Comment</i>
	GERM 331— <i>Credit Restriction</i>
GERM 102	Modern Foreign Languages and Literatures major—German Language and Literature concentration (uTrack Requirements), Term 2
	Modern Foreign Languages and Literatures major—German Studies concentration (uTrack Requirements), Term 2
	Modern Foreign Languages and Literatures major—Language and World Business/German concentration (uTrack Requirements), Term 2
	Music major—Voice concentration, footnote 2
	GERM 123— <i>Comment</i>
	GERM 201— <i>(RE) Prerequisite</i>
	GERM 215— <i>(RE) Prerequisite</i>
	GERM 223— <i>(RE) Prerequisite</i>
	GERM 331— <i>Credit Restriction</i>
GERM 201	GERM 416— <i>(RE) Corequisite</i>
	Modern Foreign Languages and Literatures major—German Language and Literature concentration (uTrack Requirements), Term 3
	Modern Foreign Languages and Literatures major—German Language and Literature concentration, Prerequisites list
	Modern Foreign Languages and Literatures major—German Studies concentration (uTrack Requirements), Term 3; Term 3 Milestone notes

	Modern Foreign Languages and Literatures major—German Studies concentration, Prerequisites list
	Modern Foreign Languages and Literatures major—Language and World Business/German concentration (uTrack Requirements), Term 3; Term 3 Milestone notes
	Music major—Voice concentration, footnote 2
	College of Arts and Sciences—Basic Skills and Distribution Requirements, Foreign Language, 1st bullet
	General Education Requirement—INTERMEDIATE FOREIGN LANGUAGE SEQUENCES, German list
	German minor—Prerequisites, Complete: list
	GERM 150—Course description (This course is designed to prepare students for enrollment in German 201.)
	GERM 202— <i>(RE) Prerequisite</i>
	GERM 223—Comment
	GERM 332— <i>(RE) Prerequisite</i>
GERM 202	Modern Foreign Languages and Literatures major—German Language and Literature concentration (uTrack Requirements), Term 4; Term 4 Milestone notes
	Modern Foreign Languages and Literatures major—German Language and Literature concentration, Prerequisites list
	Modern Foreign Languages and Literatures major—German Studies concentration (uTrack Requirements), Term 4; Term 4 Milestone notes
	Modern Foreign Languages and Literatures major—German Studies concentration, Prerequisites list
	Modern Foreign Languages and Literatures major—Language and World Business/German concentration (uTrack Requirements), Term 4; Term 4 Milestone notes
	College of Arts and Sciences—Basic Skills and Distribution Requirements, Foreign Language, 1st bullet
	General Education Requirement—INTERMEDIATE FOREIGN LANGUAGE SEQUENCES, German list
	Music major—Voice concentration, footnote 2
	International Agriculture and Natural Resources minor—Select one course:(2) list
	German minor—Prerequisites, Complete: list
	GERM 223—Comment
	GERM 301— <i>(RE) Prerequisite</i>
	GERM 302— <i>(RE) Prerequisite</i>
	GERM 305— <i>(RE) Prerequisite</i>
	GERM 311— <i>(RE) Prerequisite</i>
	GERM 312— <i>(RE) Prerequisite</i>
	GERM 332— <i>(RE) Prerequisite</i>
	GERM 415— <i>(RE) Prerequisite</i>
GERM 301	German minor—Minor Requirements paragraph
	Upper-Division Modern Foreign Language Courses Taught in the Language of Study
	Modern Foreign Languages and Literatures major—German Language and Literature concentration (uTrack Requirements), Term 5
	Modern Foreign Languages and Literatures major—German Language and Literature concentration, Complete: list
	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Literature Courses Taught in a Foreign Language
	Interdisciplinary Programs major—Comparative Literature concentration, Select 9 hours (300-level literature in a foreign language): list; Select 9 hours (300-level literature): list
	Comparative Literature minor—Select 6 hours (300-400 level literature in a foreign language): list; Select 6 hours (from different department): list
	Modern Foreign Languages and Literatures major—German Studies concentration, Select four literature, culture, arts courses: list
	Modern Foreign Languages and Literatures major—Language and World Business/German concentration, I. Language Requirement: German—27 hours, A. Complete: list
	GERM 419— <i>(RE) Prerequisite</i>
	GERM 420— <i>(RE) Prerequisite</i>
	GERM 431— <i>(RE) Prerequisite</i>
	GERM 432— <i>(RE) Prerequisite</i>
	GERM 433— <i>(RE) Prerequisite</i>
	GERM 434— <i>(RE) Prerequisite</i>
	GERM 435— <i>(RE) Prerequisite</i>
GERM 302	German minor—Minor Requirements paragraph

	Upper-Division Modern Foreign Language Courses Taught in the Language of Study
	Modern Foreign Languages and Literatures major—German Language and Literature concentration (uTrack Requirements), Term 6
	Modern Foreign Languages and Literatures major—German Language and Literature concentration, Complete: list
	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Literature Courses Taught in a Foreign Language
	Interdisciplinary Programs major—Comparative Literature concentration, Select 9 hours (300-level literature in a foreign language): list; Select 9 hours (300-level literature): list
	Comparative Literature minor—Select 6 hours (300-400 level literature in a foreign language): list; Select 6 hours (from different department): list
	Modern Foreign Languages and Literatures major—German Studies concentration, Select four literature, culture, arts courses: list
	Modern Foreign Languages and Literatures major—Language and World Business/German Concentration, I. Language Requirement: German--27 hours, A. Complete: list
	GERM 419—(RE) Prerequisite
	GERM 420—(RE) Prerequisite
	GERM 431—(RE) Prerequisite
	GERM 432—(RE) Prerequisite
	GERM 433—(RE) Prerequisite
	GERM 434—(RE) Prerequisite
	GERM 435—(RE) Prerequisite
GERM 305	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Literature Courses Taught in a Foreign Language
	Upper-Division Modern Foreign Language Courses Taught in the Language of Study
	Interdisciplinary Programs major—Comparative Literature concentration, Select 9 hours (300-level literature in a foreign language): list; Select 9 hours (300-level literature): list
	Comparative Literature minor—Select 6 hours (300-400 level literature in a foreign language): list; Select 6 hours (from different department): list
	Modern Foreign Languages and Literatures major—German Studies concentration, Select four literature, culture, arts courses: list
	Modern Foreign Languages and Literatures major—German Language and Literature concentration, Select 21 hours: list
	GERM 419—(RE) Prerequisite
	GERM 420—(RE) Prerequisite
	GERM 431—(RE) Prerequisite
	GERM 432—(RE) Prerequisite
	GERM 434—(RE) Prerequisite
	GERM 435—(RE) Prerequisite

Rationale: Numbers are being changed to make them consistent with other languages. Impact on other units: None. Financial impact: None.

ADD GRADING RESTRICTION, REVISE DESCRIPTION

\$150 Elementary German Transition (3) This course is designed to prepare students for enrollment in German 211.

Grading Restriction: A, B, C, No Credit grading only.

Formerly: This course is designed to prepare students for enrollment in German 201.

Rationale: A grade of C or better is needed in the lower level language courses to be prepared for the next level. Adding the grading restriction to those lower level courses makes it consistent for transfer students and freshmen will be able to take the courses without risk of an F in their GPA. Numbers are being changed to make them consistent with other languages. Impact on other units: None. Financial impact: None.

ADD GRADING RESTRICTION, REVISE COMMENT

\$123 Intensive Elementary German (6)

Grading Restriction: A, B, C, No Credit grading only.

Comment(s): This course is equivalent to 111 and 112. If at least two years of German were taken in high school, a placement exam is required.

Formerly: *Comment(s): This course is equivalent to 101 and 102. If at least two years of German were taken in high school, a placement exam is required.*

Rationale: Rationale: A grade of C or better is needed in the lower level language courses to be prepared for the next level. Adding the grading restriction to those lower level courses makes it consistent for transfer students and freshmen will be able to take the courses without risk of an F in their GPA. Numbers are being changed to make them consistent with other languages. Impact on other units: None. Financial impact: None.

REVISE (RE) PREREQUISITE, REVISE COMMENT

***\$223 Intensive Intermediate German (6)**

(RE) Prerequisite(s): 112 or 123 or 150 with grade of C or better or placement score between 338 and 454.

Comment(s): This course is equivalent to 211 and 212.

Formerly: 102 or 123 or 150 or placement score between 338 and 454.

Comment(s): This course is equivalent to 201 and 202.

REVISE (RE) PREREQUISITE

215 German Special Topics (3)

(RE) Prerequisite(s): 112 or 123 or 150.

Formerly: 102 or 123 or 150.

311 Conversation and Composition (3)

(RE) Prerequisite(s): 212 or 223 or placement score higher than 454.

Formerly: 202 or 223 or placement score higher than 454.

312 Conversation and Composition (3)

(RE) Prerequisite(s): 212 or 223 or placement score higher than 454.

Formerly: 202 or 223 or placement score higher than 454.

332 Elements of German for Upper-Division and Graduate Students (3)

(RE) Prerequisite(s): 223 or 331 or 211 and 212.

Formerly: 223 or 331 or 201 and 202.

415 German Special Topics (3)

(RE) Prerequisite(s): 212 or 223 or placement score higher than 467.

Formerly: 202 or 223 or placement score higher than 467.

419 German Fairy Tales and Literary Fantasies (3)

(RE) Prerequisite(s): Two courses from 321, 322, 325.

Formerly: Two courses from 301, 302, 305.

420 Selected Topics in German Literature from 1750 to the Present (3)

(RE) Prerequisite(s): Two courses from 321, 322, 325.

Formerly: Two courses from 301, 302, 305.

431 Images of Nature and the Body in German Culture (3)

(RE) Prerequisite(s): Two courses from 321, 322, 325.

Formerly: Two courses from 301, 302, 305.

432 German Creative Thinking: Interdisciplinary Dialogues (3)

(RE) Prerequisite(s): Two courses from 321, 322, 325.

Formerly: Two courses from 301, 302, 305.

433 Nation, Race, and Ethnicity (3)

(RE) Prerequisite(s): 321 and 322.

Formerly: 301 and 302.

434 Extraordinary Wo(Men) – Outcasts, Rebels, Martyrs, and Saints (3)

(RE) Prerequisite(s): Two courses from 321, 322, 325.

Formerly: Two courses from 301, 302, 305.

435 Structure of the German Language (3)

(RE) Prerequisite(s): 311 and 312 and two courses from 321, 322, 325.

Formerly: 311 and 312 and two courses from 301, 302, 305.

Rationale: Numbers are being changed to make them consistent with other languages. Impact on other units: None. Financial impact: None.

REVISE (RE) COREQUISITE

416 Metropolis Revisited (3)

(RE) Corequisite(s): 112 or higher German language course or placement score between 338 and 467.

Formerly: 102 or higher German language course or placement score between 338 and 467.

Rationale: Numbers are being changed to make them consistent with other languages. Impact on other units: None. Financial impact: None.

REVISE CREDIT RESTRICTION

331 Elements of German for Upper-Division and Graduate Students (3)

Credit Restriction: No credit for students who have completed 111 and 112 or 123.

Formerly: No credit for students who have completed 101 and 102 or 123.

Rationale: A grade of C or better is needed in the lower level language courses to be prepared for the next level. Adding the grading restriction to those lower level courses makes it consistent for transfer students and freshmen will be able to take the courses without risk of an F in their GPA.
Impact on other units: None. Financial impact: None.

(ITAL) Italian

ADD GRADING RESTRICTION

\$111 Elementary Italian (3)

Grading Restriction: A, B, C, No Credit grading only.

\$123 Intensive Elementary Italian (6)

Grading Restriction: A, B, C, No Credit grading only.

ADD GRADING RESTRICTION, REVISE (RE) PREREQUISITE

\$112 Elementary Italian (3)

Grading Restriction: A, B, C, No Credit grading only.

(RE) Prerequisite(s): 111 with grade of C or better.

Formerly: (RE) Prerequisite(s): 111.

REVISE (RE) PREREQUISITE

***\$211 Intermediate Italian (3)**

(RE) Prerequisite(s): 112 or 123 with grade of C or better.

Formerly: 112 or 123.

***\$223 Intensive Intermediate Italian (6)**

(RE) Prerequisite(s): 112 or 123 with grade of C or better.

Formerly: 112 or 123.

Rationale: A grade of C or better is needed in the lower level language courses to be prepared for the next level. Adding the grading restriction to those lower level courses makes it consistent for transfer students and freshmen will be able to take the courses without risk of an F in their GPA.
Impact on other units: None. Financial impact: None.

(JAPA) Japanese

ADD

490 Japanese Internship (1-15) Career-related experiences in the United States or abroad.

Grading Restriction: Satisfactory/No Credit grading only.

Repeatability: May be repeated. Maximum 15 hours.

Registration Restriction(s): Japanese language and world business concentration.

491 Japanese Foreign Study (1-15)

Repeatability: May be repeated. Maximum 15 hours.

Equivalency Table

Current Course Asian Languages (ASLN)	Equivalent Course Effective Fall 2014 Japanese (JAPA)
490	490
491	491

Rationale: There were previously foreign study and internship courses in Asian Languages that were used by Chinese and Japanese students. Now the languages need their own courses. Impact on other units: ASLN courses are being dropped. Financial impact: None.

ADD

†315 Asian Film (3) An examination of Asian national cinemas in historical and cultural context. Taught in English. Writing-emphasis course. (*Same as Cinema Studies 315.*)

Rationale: Asian Languages is being dropped and moved to Chinese and Japanese. Impact on other units: ASLN is being dropped. Financial impact: None.

DROP CROSSLIST (RETAIN COURSE), ADD GRADING RESTRICTION

†\$151 Elementary Japanese I (4)

Grading Restriction: A, B, C, No Credit grading only.

DROP CROSSLIST (RETAIN COURSE), ADD GRADING RESTRICTION, REVISE (RE) PREREQUISITE

†\$152 Elementary Japanese II (4)

Grading Restriction: A, B, C, No Credit grading only.

(RE) Prerequisite(s): 151 with grade of C or better.

Formerly: (RE) Prerequisite(s): 151.

DROP CROSSLIST (RETAIN COURSE), REVISE (RE) PREREQUISITE

***†\$251 Intermediate Japanese I (4)**

Satisfies General Education Requirement: (CC)

(RE) Prerequisite(s): 152 with grade of C or better.

Formerly: (RE) Prerequisite(s): 152.

DROP CROSSLIST (RETAIN COURSE)

***†\$252 Intermediate Japanese II (4)**

Satisfies General Education Requirement: (CC)

(RE) Prerequisite(s): 251.

†313 Japanese Literature in English Translation (3) Classical/traditional – masterpieces of poetry, fiction, and drama to 1868. Writing-emphasis course.

†314 Japanese Literature in English Translation (3) Modern – masterpieces of fiction since 1868. Writing-emphasis course

†321 Japanese Graphic Novels and Animation (3) Reading and analysis of major contemporary Japanese graphic novels with special attention to related works of film and television animation. All readings are in English translation. Writing-emphasis course.

†351 Advanced Japanese I (3) Includes conversation, drill, and composition practice with native speaker, as well as reading and translation.

(RE) Prerequisite(s): 252.

†352 Advanced Japanese II (3) Includes conversation, drill, and composition practice with native speaker, as well as reading and translation.

(RE) Prerequisite(s): 351.

†413 Topics in Japanese Literature (3) In English with readings in Japanese for minors. Writing-emphasis course.

Repeatability: May be repeated. Maximum 15 hours.

†451 Readings in Pre-Modern Japanese Literature (3)

(RE) Prerequisite(s): 252.

†452 Readings in Modern Japanese Literature (3)

(RE) Prerequisite(s): 252.

Rationale: These were previously cross listed ASLN courses. Asian Languages is being dropped and the Chinese and Japanese courses need to have full listings. Impact on other units: ASLN is being dropped. Financial impact: None.

(PORT) Portuguese

ADD GRADING RESTRICTION

\$111 Elementary Portuguese (3)

Grading Restriction: A, B, C, No Credit grading only.

\$123 Intensive Elementary Portuguese (6)

Grading Restriction: A, B, C, No Credit grading only.

ADD GRADING RESTRICTION, REVISE (RE) PREREQUISITE

\$112 Elementary Portuguese (3)

Grading Restriction: A, B, C, No Credit grading only.

(RE) Prerequisite(s): 111 with grade of C or better.

Formerly: (RE) Prerequisite(s): 111.

REVISE (RE) PREREQUISITE

***\$211 Intermediate Portuguese (3)**

(RE) Prerequisite(s): 112 or 123 with grade of C or better.

Formerly: 112 or 123.

***\$223 Intensive Intermediate Portuguese (6)**

(RE) Prerequisite(s): 112 or 123 with grade of C or better.

Formerly: 112 or 123.

Rationale: A grade of C or better is needed in the lower level language courses to be prepared for the next level. Adding the grading restriction to those lower level courses makes it consistent for transfer students and freshmen will be able to take the courses without risk of an F in their GPA.
Impact on other units: None. Financial impact: None.

(RUSS) Russian

ADD GRADING RESTRICTION

\$101 Elementary Russian (4)

Grading Restriction: A, B, C, No Credit grading only.

ADD GRADING RESTRICTION, REVISE (RE) PREREQUISITE

\$102 Elementary Russian (4)

Grading Restriction: A, B, C, No Credit grading only.

(RE) Prerequisite(s): 101 with grade of C or better.

Formerly: (RE) Prerequisite(s): 101.

REVISE (RE) PREREQUISITE

***\$201 Intermediate Russian (4)**

(RE) Prerequisite(s): 102 with grade of C or better.

Formerly: 102.

Rationale: A grade of C or better is needed in the lower level language courses to be prepared for the next level. Adding the grading restriction to those lower level courses makes it consistent for transfer students and freshmen will be able to take the courses without risk of an F in their GPA.
Impact on other units: None. Financial impact: None.

(SPAN) Spanish

ADD GRADING RESTRICTION

\$111 Elementary Spanish (3)

Grading Restriction: A, B, C, No Credit grading only.

\$123 Intensive Elementary Spanish (6)

Grading Restriction: A, B, C, No Credit grading only.

\$150 Intermediate Spanish Transition (3)

Grading Restriction: A, B, C, No Credit grading only.

ADD GRADING RESTRICTION, REVISE (RE) PREREQUISITE

\$112 Elementary Spanish (3)

Grading Restriction: A, B, C, No Credit grading only.

(RE) Prerequisite(s): 111 with grade of C or better.

Formerly: (RE) Prerequisite(s): 111.

REVISE (RE) PREREQUISITE

***\$211 Intermediate Spanish (3)**

(RE) Prerequisite(s): 112 or 123 or 150 with grade of C or better or departmental placement exam.

Formerly: 112 or 123 or 150 or departmental placement exam.

***\$223 Intensive Intermediate Spanish (6)**

(RE) Prerequisite(s): 112 or 123 or 150 with grade of C or better or departmental placement exam.

Formerly: 112 or 123 or 150 or departmental placement exam.

Rationale: A grade of C or better is needed in the lower level language courses to be prepared for the next level. Adding the grading restriction to those lower level courses makes it consistent for transfer students and freshmen will be able to take the courses without risk of an F in their GPA.
Impact on other units: None. Financial impact: None.

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

ADD

385 Harpsichord I (1-3)

Repeatability: May be repeated. Maximum 8 hours.

(RE) Prerequisite(s): 286.

(DE) Corequisite(s): Music General 200.

Comment(s): Requires audition, registration for ensemble appropriate to degree program, and C or higher in 286.

Registration Restriction(s): Bachelor of Music or Bachelor of Arts — music major or music minor.

485 Harpsichord I (1-3)

Repeatability: May be repeated. Maximum 8 hours.

(RE) Prerequisite(s): 386.

(DE) Corequisite(s): Music General 200.

Comment(s): Requires audition, registration for ensemble appropriate to degree program, and C or higher in 386.

Registration Restriction(s): Bachelor of Music or Bachelor of Arts — music major or music minor.

440 Euphonium I (1-3)

Repeatability: May be repeated. Maximum 8 hours.

(RE) Prerequisite(s): 341.

(DE) Corequisite(s): Music General 200.

Comment(s): Requires audition, registration for ensemble appropriate to degree program, and C or higher in 341.

Registration Restriction(s): Bachelor of Music or Bachelor of Arts — music major or music minor.

Rationale: Courses were dropped in prior Courses Not Taught in Four or More Years reports, but the Curriculum Committee agreed in October that the MUPF courses should remain on the books since they are taught on an as-needed basis. Impact on other units: None. Financial impact: None.

(MUSC) Music General

REVISE REPEATABILITY

421 Special Topics in Performance (1-3)

Repeatability: May be repeated. Maximum 12 hours.

Formerly: May be repeated. Maximum 4 hours.

Rationale: This allows music students more chances to take this variable topic course. Impact on other units: None. Financial impact: None.

(MUTH) Music Theory

REVISE PREREQUISITE, REVISE COMMENT

130 Ear Training I (1)

(RE) Prerequisite(s): 100.

Comment(s): Grade of C or higher in 100 is required.

Formerly: (RE) Prerequisite(s): 100 or 105.

Comment(s): Grade of C or higher in 100 or 105 is required.

Rationale: Removing MUTH 105 from prereq and comment. That course has not been taught in over four years and is being dropped from the catalog. Impact on other units: None. Financial impact: None.

DEPARTMENT OF PHILOSOPHY

(PHIL) Philosophy

DROP (SECONDARY CROSSLIST)

†374 Hindu Traditions (3) (See Religious Studies 374.)

†376 Buddhism in South and Southeast Asia (3) (See Religious Studies 376.)

†379 Religions and Philosophies of China (3) (See Religious Studies 379.)

Course Impact	
Course	Catalog Location
PHIL 374	Philosophy major—Major Requirements paragraph
	Philosophy major—Legal and Political Philosophy concentration, Concentration Requirements paragraph
	Philosophy major—Philosophy of Science and Medicine concentration, Concentration Requirements paragraph
	Philosophy major—Honors Philosophy concentration, Concentration Requirements paragraph
	Philosophy major—Honors Legal and Political Philosophy concentration, Concentration Requirements paragraph
	Philosophy major—Honors Philosophy of Science and Medicine concentration, Concentration Requirements paragraph
	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Asia
	Crosslist with REST 374
PHIL 376	Philosophy major—Major Requirements paragraph
	Philosophy major—Legal and Political Philosophy concentration, Concentration Requirements paragraph
	Philosophy major—Philosophy of Science and Medicine concentration, Concentration Requirements paragraph
	Philosophy major—Honors Philosophy concentration, Concentration Requirements paragraph
	Philosophy major—Honors Legal and Political Philosophy concentration, Concentration Requirements paragraph
	Philosophy major—Honors Philosophy of Science and Medicine concentration, Concentration Requirements paragraph
	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Asia
	Crosslist with REST 376
PHIL 379	Philosophy major—Major Requirements paragraph
	Philosophy major—Legal and Political Philosophy concentration, Concentration Requirements paragraph
	Philosophy major—Philosophy of Science and Medicine concentration, Concentration Requirements paragraph
	Philosophy major—Honors Philosophy concentration, Concentration Requirements paragraph
	Philosophy major—Honors Legal and Political Philosophy concentration, Concentration Requirements paragraph

	Philosophy major—Honors Philosophy of Science and Medicine concentration, Concentration Requirements paragraph
	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Asia
	Crosslist with REST 379

Rationale: The content of these courses has changed significantly over time and the cross listings are no longer applicable. Impact on other units: Cross listed Religious Studies courses. Financial impact: None.

DEPARTMENT OF PHYSICS AND ASTRONOMY

(ASTR) Astronomy

ADD

421 General Relativity, Black Holes, and Cosmology (3) An introduction to the general theory of relativity and its application to issues of current interest in astronomy and astrophysics. Topics include a review of special relativity, the equivalence principle and principle of general covariance, the mathematics (tensor calculus) of general relativity, the geometry of spacetime, motion of particles and light in flat and curved spacetime, spherical and rotating black holes, neutron stars and pulsars, gamma-ray bursts, quasars, gravitational waves, and current topics in modern cosmology: dark matter, dark energy, and the expanding and accelerating Universe; the big bang, the cosmic microwave background radiation, the theory of inflation; and the Planck scale and quantum gravity.

Recommended Background: 151-152 or 218; and Physics 136 or 138; and Physics 250; or permission of instructor.

Rationale: This course has been taught for years under a variable topics number. It now needs its own number. Impact on other units: None. Financial impact: None.

REVISE TITLE, REVISE DESCRIPTION, DROP (RE) PREREQUISITE, DROP REGISTRATION PERMISSION, ADD RECOMMENDED BACKGROUND

411 Stellar Structure and Stellar Evolution (3) An introduction to stars and the physical principles governing stellar structure and stellar evolution. Topics include equations of state for stars, hydrostatic equilibrium, energy production and energy transport in stars, the birth of stars, extrasolar planets, main sequence stars, solar neutrinos and neutrino oscillations, red giants and post main-sequence evolution, pulsating variable stars, white dwarfs, neutron stars and pulsars, accretion in binary star systems, novae, X-ray bursts, supernovae, and production of the elements in various stellar processes.

Recommended Background: 151-152 or 218; and Physics 136 or 138; and Physics 250; and Physics 321; or permission of instructor.

Formerly: Astrophysics (3) Development of analytical physical models of the galactic structure of the universe, stellar and interstellar matter, and planetary systems. Topical and interdisciplinary approach includes consideration of quasars, pulsars, black holes and current developments in the field. Acceptable for credit toward the physics major.

(RE) Prerequisite(s): Physics 136 or 138; and Physics 222 or 232.

Registration Permission: Consent of instructor.

Rationale: The new title and description better describes the course content. Impact on other units: None. Financial impact: None.

(PHYS) Physics

REVISE DESCRIPTION

***\$221 Elements of Physics (4)** Basic physical principles and applications required in pre-medical, pre-pharmacy and pre-veterinary programs. Mechanics, heat, and wave motion.

Formerly: Basic physical principles and applications required in pre-medical, pre-pharmacy and pre-veterinary programs. Mechanics, heat, and wave motion and optics.

***\$222 Elements of Physics (4)** Basic physical principles and applications required in pre-medical, pre-dental, pre-pharmacy and pre-veterinary programs. Electricity, magnetism, optics and modern physics.

Formerly: Basic physical principles and applications required in pre-medical, pre-dental, pre-pharmacy and pre-veterinary programs. Electricity, magnetism, and modern physics.

311 Mechanics (3) Kinematics and dynamics of single particles, systems of particles, and rigid bodies. Oscillations. Central forces. Gravitation. Includes computational methods. Required of all physics majors.

Formerly: Kinematics and dynamics of single particle systems. Rotating referencing systems.

312 Mechanics (3) Lagrangian and Hamilton mechanics. Constraints. Non-inertial coordinate systems. Oscillations and normal modes. Special theory of relativity. Includes computational methods. This course is targeted toward students who intend to pursue graduate studies in physics.

Formerly: Many body systems, rigid bodies, and Lagrangian and Hamiltonian mechanics. Strong emphasis on programming and numerical methods.

411 Introduction to Quantum Mechanics (3) Fundamental principles of quantum mechanics. The Uncertainty Principle. Solutions of the Schrödinger equation in one dimension. Bound states. Angular momentum. The Hydrogen atom. Required course for all physics majors.

Formerly: Fundamental principles of quantum mechanics and methods of calculation. Solution of the Schrödinger equation for simple systems. Application to atomic, molecular, nuclear, and condensed matter physics.

431 Electricity and Magnetism (3) Electrostatics and magnetostatics in vacuum and in matter. Time-dependent electric and magnetic fields. Maxwell's equations. Required course for all physics majors.

Formerly: Electrostatics, magnetostatics, and coupled electric and magnetic fields, Maxwell's Equations, and electromagnetic waves and radiation.

Rationale: The new descriptions for these courses better describe the actual course content. Impact on other units: None. Financial impact: None.

REVISE DESCRIPTION, REVISE TITLE

412 Introduction to Quantum Mechanics II (3) Methods of calculation: perturbation theory, the variational principle, and the WKB approximation. Introduction to scattering theory. Quantum statistics. Applications to atomic, molecular, nuclear, and condensed matter physics. This course is targeted toward students who intend to pursue graduate studies in physics.

Formerly: Introduction to Quantum Mechanics (3) Fundamental principles of quantum mechanics and methods of calculation. Solution of the Schrödinger equation for simple systems. Application to atomic, molecular, nuclear, and condensed matter physics.

432 Electricity and Magnetism II (3) Methods of calculation in electrostatics and magnetostatics. Conservation laws. Potentials. Electromagnetic waves. Relativistic electrodynamics. Radiation. This course is targeted toward students who intend to pursue graduate studies in physics.

Formerly: Electricity and Magnetism II (3) Electrostatics, magnetostatics, coupled electric and magnetic fields, Maxwell's Equations, and electromagnetic waves and radiation.

Rationale: The new descriptions for these courses better describe the actual course content. Title change differentiates courses from the first in the sequence. Impact on other units: None. Financial impact: None.

DEPARTMENT OF POLITICAL SCIENCE

(POLS) Political Science

DROP

300 Introduction to Political Philosophy (3)

340 Introduction to Public Administration and Public Policy (3)

349 Introduction to Comparative Politics (3)

365 Introduction to International Relations (3)

401 Research Methods (3)

ADD

200 Introduction to Political Philosophy (3) An introduction to the concepts, enduring questions, and significant thinkers associated with political philosophy with specific attention to differing conceptions of human nature, politics, the state, civic obligation and rights, freedom, justice, and democracy.

201 Research Methods (3) Nature, character, and functions of research design, data collection, and statistical techniques used in the study of politics.

240 Introduction to Public Administration and Public Policy (3) Public agencies, their organization, personnel, financial management, and administrative responsibility. The policy-making process and political environment.

249 Introduction to Comparative Politics (3) Fundamentals of comparative political inquiry, including what constitutes comparative politics, how comparative study of political systems is done, and major issues in comparative politics.

265 Introduction to International Relations (3) Resource availability, international economics, international security and peace (imperialism, war, diplomacy, the balance of power, international law, and international organization). Writing-emphasis course.

Equivalency Table

Current Course Political Science (POLS)	Equivalent Course Effective Fall 2014 Political Science (POLS)
300	200
340	240
349	249
365	265

401	201
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Course Impact	
Course	Catalog Location
POLS 300	Environmental and Soil Sciences major—Conservation Agriculture and Environmental Sustainability concentration, footnote 2
	Environmental and Soil Sciences major—Environmental Science concentration, footnote 2
	Environmental and Soil Sciences major—Soil Science concentration, footnote 2
	Political Science major—Select one course--Political Theory: list
	Political Science major—Honors concentration, Select one course--Political Theory: list
	Political Science major—Public Administration concentration, Select one course--Political Theory: list
POLS 340	Public Administration major—Term 6
	Environmental and Soil Sciences major—Conservation Agriculture and Environmental Sustainability concentration, footnote 2
	Environmental and Soil Sciences major—Environmental Science concentration, footnote 2
	Environmental and Soil Sciences major—Soil Science concentration, footnote 2
	Political Science major—Five-Year BA/MPPA Program, 2nd paragraph, 2nd bullet
	Political Science department—Five-Year BA/MPPA Program, 2nd paragraph, 2nd bullet
	Political Science major—Honors concentration, Select one course--U.S. Government and Politics/Public Administration: list
	Political Science major— Select one course--U.S. Government and Politics/Public Administration: list
	Political Science major—Public Administration concentration, Select four courses: list
POLS 349	Child and Family Studies major—Community Outreach Track, SPECIALTY AREAS, Children and Families at Risk/Community Services list
	Political Science major—Select one course--Comparative Government and Politics: list
	Political Science major—Honors concentration, Select one course--Comparative Government and Politics: list
POLS 365	Political Science major—Public Administration concentration, Select one course--Comparative Government and Politics: list
	College of Arts and Sciences—Part B: Upper Level Distribution Requirements, List B – Foreign Studies, Critical Issues in Foreign Studies
	Interdisciplinary Programs major—Global Studies concentration, A. Select five courses from primary track and two courses from secondary track:, Track II – Global Politics and Economy list
	International Agriculture and Natural Resources minor
	Global Studies minor—Select two courses:, Track II--Global Politics and Economy list
	Political Science major—Select one course--International Relations: list
	Political Science major—Honors concentration, Select one course--International Relations: list
POLS 401	Political Science major—Public Administration concentration, Select one course--International Relations: list
	Political Science major—Five-Year BA/MPPA Program, 2nd paragraph, 2nd bullet
	Political Science major—Honors concentration, 1st paragraph; 2nd paragraph (twice); Complete: list
	Political Science department—Five-Year BA/MPPA Program, 2nd paragraph, 2nd bullet
	Interdisciplinary Programs major—Global Studies concentration, C. Select one course from Option I or II:, Option I: list
	Political Science major—Public Administration concentration, Select four courses: list

Rationale: These courses are replacing courses that are being moved from the 300 or 400 level to the 200 level. Impact on other units: None known. Financial impact: None.

ADD

455 South Asian Government and Politics (3) Introduction to the political environment and development of South Asia with an emphasis on India and Pakistan. Writing-emphasis course.

Rationale: This course fills an important gap in our comparative politics offerings. It has been offered as a topics course but needs its own number. Impact on other units: None. Financial impact: None.

480 Capstone (1) Participation in political science colloquia; reflection on and assessment of political science major; consideration of career and graduate/professional school opportunities.

Grading Restriction(s): Satisfactory/No Credit grading only.

Registration Restriction(s): Political science majors only; minimum student level—senior.

Rationale: This course will help Political Science majors synthesize what they have learned in the major and will foster a greater sense of academic community among our majors. It will also serve as a mechanism by which the department can assess its performance in keeping with the “culture of assessment” we are trying to institute on this campus. Impact on other units: None. Financial impact: None.

DROP

445 Administration of Justice (3)

Course Impact	
Course	Catalog Location
POLS 445	Political Science major—Select one course--U.S. Government and Politics/Public Administration: list
	Political Science major—Honors concentration, Select one course--U.S. Government and Politics/Public Administration: list
	Political Science major—Public Administration concentration, Select one course--U.S. Government and Politics/Public Administration: list

Rationale: This course is somewhat duplicative of other offerings and is therefore not needed. Impact on other units: None. Financial impact: None.

PRE-PROFESSIONAL PROGRAMS

(NUMT) Nuclear Medicine Technology

DROP

410 Physics for Nuclear Medicine I (3)

411 Nuclear Instrumentation (3)

412 Radiopharmacy (2)

415 Physics for Nuclear Medicine II (3)

420 Clinical Nuclear Medicine I (4)

425 Computer Applications in Nuclear Medicine (3)

430 Clinical Nuclear Medicine II (4)

440 Clinical Nuclear Medicine III (4)

450 Clinical Practicum I (4)

460 Clinical Practicum II (6)

470 Clinical Practicum III (6)

475 Nuclear Medicine Registry Review (2)

Rationale: Program was dropped in 2012, but the courses were never deactivated. Impact on other units: None. Financial impact: None.

DEPARTMENT OF PSYCHOLOGY

(PSYC) Psychology

DROP

210 Biological Basis of Behavior (3)

ADD

301 Foundations of Behavioral Neuroscience (3) Historical background of neuroscience, communication within and between neurons, basic neuroanatomy, psychopharmacology, neuroscience techniques, sensation, motor function, and nervous system disorders.

Equivalency Table

Current Course Psychology (PSYC)	Equivalent Course Effective Fall 2014 Psychology (PSYC)
210	301

Course Impact	
Course	Catalog Location
PSYC 210	Interdisciplinary Programs Major, Neuroscience Concentration, Prerequisites heading
	Interdisciplinary Programs Major, Neuroscience Concentration (uTrack), Term 5 and Term 6 Milestone Notes
	Interdisciplinary Programs Major, Honors Neuroscience Concentration, 1 st paragraph
	Neuroscience Minor, I. Complete heading
	Psychology Major, Major Requirements, "Select three courses" heading
	Psychology Major (uTrack), Term 4 Milestone Notes
	Child and Family Studies Major, Community Outreach Track, 3 rd footnote
	Child and Family Studies Major, Early Childhood Education Teacher Licensure Pre K-3 Track, 2 nd footnote
	Child and Family Studies Major, Early Development and Learning Pre K-K Track, 2 nd footnote
	Animal Science Major, Animal Industries Concentration, 7 th footnote
	Animal Science Major, Bioscience Concentration, 3 rd footnote
	Animal Science Major, Pre-Veterinary Medicine Concentration, 3 rd footnote
	Kinesiology Major, 6 th footnote

Rationale: There has been a huge explosion of knowledge about the brain's function in health and disease. Much of this needs to be offered in a 300 level course. This course will enhance the neuroscience curriculum, take some pressure off the wait lists for other 300-level courses, and interest more of our majors in cutting edge research with our biological faculty. Impact on other units: None. Financial impact: None.

ADD

314 Cognitive Basis of Behavior (3) Cognitive psychology is the scientific study of mental processes such as attention, language use, and memory. The goal of this foundational course is to provide a good grasp of the important terminology, basic principles, and research methodology in the field.

Rationale: There is too much content in cognitive psychology to cover adequately in our one existing 400 level course. By adding this foundational course the instructor will be able to divide the content currently taught in 400 into broad, foundational knowledge (314) and more in-depth, advanced knowledge (400). Impact on other units: None. Financial impact: None.

REVISE TITLE

295 Introduction to Psychological Research Methods (3)

Formerly: Research Analysis in Psychology.

Rationale: The new title will better reflect the content and purpose of the course. Impact on other units: None. Financial impact: None.

DROP GRADING RESTRICTION

367 Psychology Honors Project (3)

Formerly: Satisfactory/No Credit grading only.

467 Psychology Honors Thesis (3)

Formerly: Satisfactory/No Credit grading only.

Rationale: The honors program requires students to earn a letter grade in all courses that fulfill the honors curriculum. This change will allow psychology majors to apply their psychology honors thesis credits to the honors programs without petitioning. Impact on other units: No direct impact. Financial impact: None.

REVISE CROSSLIST (TO MAKE PRIMARY), REVISE TITLE, REVISE DESCRIPTION

†370 Evolutionary Psychology and Ethology (3) Basic concepts in the evolutionary approach to behavior, including applications to psychology, the social sciences, and the humanities. (*Same as Ecology and Evolutionary Biology 370.*)

Formerly: Ethology and Sociobiology (3) (See Ecology and Evolutionary Biology 370.)

Rationale: For the foreseeable future this course will be taught almost exclusively by psychology faculty, thus it makes sense to have its primary home be in Psychology. The title change reflects contemporary language and more accurately reflects the course content. Impact on other units: Cross listed with EEB which until now was the primary department. Financial impact: None.

REVISE TITLE, REVISE DESCRIPTION, REVISE (RE) PREREQUISITE

400 Advanced Cognitive Psychology (3) Explores the frontiers of cognitive psychology in areas such as attention, language use, memory, problem-solving, and concept formation.

(RE) Prerequisite(s): 314.

Formerly: Cognitive Psychology: Language and Symbolic Processes (3) Psychology of knowing, explaining, and understanding. Directed and associative thinking, memory, problem-solving, and concept-formation. Nature, use, and development of language.

(RE) Prerequisite(s): 110 or 117.

Rationale: These changes are needed to accurately reflect the advanced nature of this course, which will build on the foundational knowledge acquired in the new course PSYC 314. Impact on other units: None. Financial impact: None.

REVISE (RE) PREREQUISITE

†440 Organizational Psychology (3)

(RE) Prerequisite(s): 110 or 117; and 295 or Statistics 201; or equivalents.

Formerly: 110 or 117.

Rationale: Adding a basic statistics or research methods course as a prereq will ensure that students in the course have a basic understanding essential for success in this course. Impact on other units: Cross listed with Management 440. They are aware of the change. Financial impact: None.

461 Physiological Psychology (3)

(RE) Prerequisite(s): 110 or 117 or equivalent and 301.

Formerly: 110.

Rationale: This course builds on foundational knowledge of biological psychology. Adding the 301 prereq will ensure that students have the requisite knowledge coming into the course. Impact on other units: None. Financial impact: None.

DEPARTMENT OF RELIGIOUS STUDIES

(REST) Religious Studies

ADD AND CROSSLIST

†303 Sociology of Religion (3) The sociology of religion is a distinctive approach that investigates the intersection of religions and religious organizations to history, culture, and society. In this course we review the methods, theories, and substantive findings of classical and contemporary sociologists who study religion and the social order. (*Same as Sociology 303.*)

Rationale: This course will enhance the department's offerings of method and theory courses and provide students with an opportunity to focus exclusively on the subfield of the sociology of religion. Impact on other units: Cross listed with Psychology. Financial impact: None.

†356 Rastafari and Afro-Caribbean Religions (3) The Rastafarian religion is perhaps the most important new religious movement to come out of the contemporary Caribbean region. In this course we survey the distinctive history, practices and beliefs of a globalizing religious movement that embodies the intersectionality of race and religion, popular culture and music, and the struggle for authenticity and freedom. (*Same as Africana Studies 356; American Studies 353.*)

Rationale: This course has been taught several times under a variable topics number and needs its own number and title since the instructor plans to offer it frequently in the foreseeable future. Impact on other units: Cross listed with Africana Studies and American Studies. Financial impact: None.

†360 Witchcraft, Magic and Religion (3) This course examines the historical and contemporary roles of witchcraft beliefs and accusations and the contested terms of "magic" and "religion" in a variety of social and cultural settings. Special attention is also paid to the contemporary revival of NeoPagan witchcraft and other nature-oriented religious movements in contemporary American society. (*Same as American Studies 360.*)

Rationale: This course has been taught several times under a variable topics number and needs its own number and title since the instructor plans to offer it frequently in the foreseeable future. Impact on other units: Cross listed with American Studies. Financial impact: None.

DROP CROSSLIST (RETAIN COURSE)

†374 Hindu Traditions (3)

Formerly: (*Same as Philosophy 374.*)

†376 Buddhism in South and Southeast Asia (3)

Formerly: (*Same as Philosophy 376.*)

Rationale: The content of these courses have changed so that the cross listing is no longer applicable. Impact on other units: Cross listed with Philosophy. Financial impact: None.

DROP CROSSLIST (RETAIN COURSE), REVISE TITLE, REVISE DESCRIPTION

†379 Religions of China (3) An introduction to the religious traditions of China, including Confucianism, Daoism, Buddhism, and local religion, from the ancient to modern periods. Addresses themes such as politics, society, and gender. Writing-emphasis course.

Formerly: Religions and Philosophies of China (3) Traditional thought and religion of China in its cultural setting as basis for understanding modern China. Writing-emphasis course. (Same as Philosophy 379.)

Rationale: The title and description changes are needed to accurately reflect the course content. Content has changed so that the cross listing is no longer applicable. Impact on other units: Cross listed with Philosophy. Financial impact: None.

REVISE TITLE

300 Method and Theory in Religious Studies (3)

Formerly: Ways of Understanding Religion.

Rationale: The new title reflects the course's focus on theory and method. Impact on other units: None. Financial impact: None.

†320 Gender and Religion (3)

Formerly: Women and Religion.

Rationale: The instructors of this course believe the proposed language better reflects recent scholarship and interests. Impact on other units: Cross listed with Judaic Studies and Women's Studies. Financial impact: None.

REVISE DESCRIPTION

†302 Anthropology of Religion (3) Religions of indigenous peoples in selected contexts and the relationship of religion and culture cross-culturally. Writing-emphasis course. (*Same as Anthropology 302.*)

Formerly: Religions of selected non-literate peoples. Role of religion in their social and cultural systems. Writing emphasis course.

†373 Religions of Africa (3) Investigates Africa's diverse religious traditions (indigenous, Christian and Islamic), their past and present interactions, as well as their transformations in diasporic contexts. Writing-emphasis course. (*Same as Africana Studies 373; Anthropology 373.*)

Formerly: Religions of the indigenous peoples of Africa, including how myth, rites, symbols, and certain cultural and political movements in Africa have been and are being informed by religious sensibilities. Writing-emphasis course.

Rationale: Updating description. Impact on other units: Cross listed with Anthropology. That listing will not change. Financial impact: None.

REVISE TITLE, REVISE DESCRIPTION

380 Buddhism in the Americas (3) An overview of different forms of Buddhism in the Americas during the modern period, with attention to issues such as politics, globalization, and gender. Writing-emphasis course.

Formerly: East Asian Buddhism in Asia and North America (3) An overview of the distinctive forms of Buddhism that arose in China, Japan, and Korea, as well as an introduction to their offshoots in North America. Writing-emphasis course.

Rationale: The current course title is confusing to students and the description should be changed to better fit the content of the course. Impact on other units: None. Financial impact: None.

ADD (RE) PREREQUISITE, REQUEST GENERAL EDUCATION DESIGNATION

***†413 Seminar in Early Judaism (3)** (*Same as Judaic Studies 413.*)

Satisfies General Education Requirement: (WC)

(RE) Prerequisite(s): English 102 or equivalent.

***423 Seminar in Early Christianity (3)**

Satisfies General Education Requirement: (WC)

(RE) Prerequisite(s): English 102 or equivalent.

Rationale: The department plans to submit this course to the Gen Ed committee as a WC course and that requires the ENGL 102 prerequisite. Impact on other units: None. Financial impact: None.

ADD (RE) PREREQUISITE

†405 Modern Jewish Thought (3) (*Same as Judaic Studies 405.*)
(RE) Prerequisite(s): English 102 or equivalent.

425 Seminar in Western Religions (3)
(RE) Prerequisite(s): English 102 or equivalent.

430 Seminar in North American Religions (3)
(RE) Prerequisite(s): English 102 or equivalent.

440 Seminar in Comparative Religion (3)
(RE) Prerequisite(s): English 102 or equivalent.

476 Religion, Culture, and Power in Contemporary Asia (3)
(RE) Prerequisite(s): English 102 or equivalent.

499 Advanced Seminar in the Study of Religion (3)
(RE) Prerequisite(s): English 102 or equivalent.

Rationale: The department plans to submit these courses to the Gen Ed committee as WC courses and that requires the ENGL 102 prerequisite.
Impact on other units: None. Financial impact: None.

DEPARTMENT OF SOCIOLOGY

(SOCI) Sociology

ADD (SECONDARY CROSSLIST)

†303 Sociology of Religion (3) (*See Religious Studies 303.*)

Rationale: This is an appropriate course for the Sociology curriculum. Impact on other units: Cross listed Religious Studies course. Financial impact: None.

DEPARTMENT OF THEATRE

(THEA) Theatre

REVISE TITLE

326 Voice and Speech for the Stage Actor (3)
Formerly: Advanced Voice and Speech.

Rationale: There is no beginning Voice class so this course should not be called advanced. Impact on other units: None. Financial impact: None.

REVISE TITLE, REVISE DESCRIPTION

430 Directing for the Stage (3) The stage director's craft: principles of staging, textual integrity, conceptualization, visualization, collaboration and process from pre-production to opening.

Formerly: Principles of Play Directing (3) Problems in composition, picturization, rhythm, and movement.

Rationale: The new title and description better fit the course contents. Impact on other units: None. Financial impact: None.

II. PROGRAM CHANGES

REVISE COLLEGE TEXT

Theresa M. Lee, Dean

Angela Batey, Associate Dean for Diversity

Christine R. Boake, Associate Dean for Research and Facilities

Robert J. Hinde, Associate Dean for Academic Programs

Brent Mallinckrodt, Associate Dean for Graduate Studies

Melissa Parker, Director, Arts and Sciences Advising Services

Cynthia B. Peterson, Associate Dean for Academic Personnel

<http://artsci.utk.edu/>

The College of Arts and Sciences is home to a wide array of academic disciplines and interdisciplinary programs. The departments, schools, and special programs housed within the college stretch across several broad divisions: the arts and humanities, the natural sciences, and the social sciences. Although the faculty of the college have disciplinary interests that range across many diverse academic fields, the college faculty are united by a commitment to the goals and values of liberal education: unfettered intellectual inquiry, a dedication to the quest for knowledge as a worthwhile goal in and of itself, the development of a responsible and creative mind, and the cultivation of intellectual tolerance.

The liberally educated individual is characterized not so much by specific subject matter knowledge as by the habits of mind that are cultivated during a liberal education. A liberally educated person is thus one who is able to reason and communicate effectively, who values lifelong learning, and who can confront the uncertainties of human experience. A liberal education provides a strong foundation for research, scholarship, and teaching in a student's chosen academic discipline. It also provides an invaluable educational background for a student who enters business, industry, the professions, or government or public service. A liberal education offers all individuals the opportunity to share in a rich intellectual heritage, to enjoy the adventures of the mind, and to live an engaged and fulfilling life.

The faculty of the college are committed to cultivating the habits of mind of liberal education in all of the students they teach: both those students who are pursuing concentrated study in a field within the college and those students who enroll in the academic courses offered by the college to complete University-wide general education requirements. General education serves as the underpinning of liberal education, both by providing students with opportunities to master basic learning skills and by acquainting students with the "ways of knowing" that characterize diverse academic disciplines. General education thus prepares students to become engaged lifelong learners.

Students who pursue focused studies in the College of Arts and Sciences will join a community of teacher-scholars dedicated to the generation, transmission, and preservation of knowledge in the many fields that constitute the college. The faculty of the college maintain robust agendas of research, scholarship, and creative activity in their chosen fields, and they encourage undergraduate students to join them as partners in research and creative activity. Through faculty-directed independent study and participation in faculty members' research projects and creative activity, students hone their abilities to think critically and communicate effectively and learn how the frontiers of human knowledge are extended.

The great universities of the world are so labeled because their faculties have earned the reputation of being renowned scholars. The University of Tennessee, Knoxville, has earned such a reputation because of the quality of the research and creative activity of its faculty. To study with such a talented faculty is to experience the best education possible.

Programs of Study

The college offers students a wide variety of undergraduate degree programs. These programs have been designed both to help students achieve specific educational and vocational objectives and to provide students with a broad-based liberal education that will prepare them to be engaged global citizens. The college also offers a small number of three-year pre-professional curricula that prepare students for advanced study in a specific profession. Detailed information about these pre-professional curricula can be found by consulting the Pre-Professional Programs major description and by contacting Arts and Sciences Advising Services.

Bachelor of Arts (B.A.) and Bachelor of Science (B.S.)

Students earning the Bachelor of Arts and Bachelor of Science degrees have achieved both broad knowledge of the arts and sciences and a comprehensive understanding of one or more focused areas of special interest.

Bachelor of Arts in College Scholars

The College Scholars program is a college-wide honors program that serves a limited number of especially qualified and motivated students. College Scholars have additional freedom to design an individualized undergraduate curriculum that meets particular academic interests and goals. Students must apply for admission to the College Scholars program. More information about the College Scholars program is available at <http://web.utk.edu/~scholars>.

VolsTeach Program

Students pursuing a major in selected programs in the College of Arts and Sciences are eligible to participate in the University's VolsTeach program (<http://volsteach.utk.edu/>). This 4-year program permits students to complete a major in mathematics or science while also receiving secondary education teaching licensure through completion of a VolsTeach minor. For more information about VolsTeach, including advising associated with teaching licensure requirements, contact the Center for Enhancing Education in Mathematics and Science (101 Greve Hall).

Pre-Professional Programs

The college offers pre-professional undergraduate programs for students who wish to participate in the cooperative 3+1 curricula in the health sciences (medicine, dentistry, pharmacy, or veterinary medicine). Students taking one of the health sciences curricula proceed directly to specialized training in the chosen area after the third year of Arts and Sciences study. These students complete the first year of professional study in lieu of satisfying the requirements for a traditional major in the college.

Bachelor of Science in Chemistry

See Department of Chemistry.

Bachelor of Fine Arts

See School of Art.

Bachelor of Music

See School of Music.

Readmission

Information regarding readmission to the College of Arts and Sciences is available at <http://admissions.utk.edu/undergraduate/apply/readmission.shtml>. The official notification of readmission from the Office of Undergraduate Admissions will provide additional details regarding academic advising.

Requirements for Degrees

To earn a Bachelor of Arts or Bachelor of Science degree, these requirements must be completed.

- All university degree requirements as described in the section Academic Policies and Procedures – General Requirements for a Bachelor's Degree.
- A minimum of 120 credit hours.
- At least 42 credit hours in courses numbered 300 or above.
- Appropriate work to satisfy the Foundations, Perspectives, and Connections requirements. (These three requirements do not apply to students in the College Scholars Program.)
- Completion of any required course work designed to prepare students for their chosen major(s). This work may be described as "preparation for" or "prerequisites to" or "corequisites to" the major(s) chosen by a student.
- Completion of at least one major consisting of 30 to 48 credit hours at 200 level or above. Courses used for the major may also be used to satisfy Foundations, Perspectives, and Connections requirements as described below.

Students may choose to complete one or more minors. A minor in the college consists of 15 or more hours at the 200 level or above.

Students may take up to 20 hours of courses graded Satisfactory/No Credit subject to the regulations described below.

Satisfactory/No Credit Courses

A few courses in the college are offered only on a Satisfactory/No Credit (S/NC) basis. Students may elect to take other courses on this basis, except where the S/NC option is specifically prohibited. Courses taken on the S/NC basis, if successfully completed, will count as hours for graduation although neither S nor NC grades will be calculated in a student's grade point average. Satisfactory is defined as C or better work on the traditional grading scale and No Credit is defined as less than C.

The option of taking courses on a S/NC basis is provided to encourage the curious and able student to explore subject matter in fields where the student's performance may be somewhat less outstanding than work in the student's primary field.

Note: Students planning to seek admission to graduate or professional schools (especially in the health sciences) should discuss with their advisors possible limitations on exercise of the S/NC option before registering for courses on this basis.

The following regulations apply to S/NC course work:

- Except for courses offered only on the S/NC basis, courses taken under the S/NC option may not be applied towards Foundations, Perspectives, or Connections requirements, towards major and minor requirements, or towards major or minor preparatory work, prerequisites, or corequisites unless specifically permitted by petition.
- The maximum number of S/NC elective hours which may be counted toward graduation is 20, exclusive of courses that are offered only on the S/NC basis, physical education courses, and/or satisfactory hours earned by examination, military service, etc.
- A transfer student with S/NC or equivalent credit earned prior to admission to the University of Tennessee, Knoxville, in a course which satisfies a Foundations, Perspectives, or Connections requirement may count it for that purpose. Transfer students who want to apply S/NC or equivalent credit to a major or minor requirement, or to major or minor preparatory work, prerequisites, or corequisites, must receive permission to do so by petition.

College-wide requirements for B.A. and B.S. students

To receive a B.A. or B.S. degree from the College of Arts and Sciences, students must satisfy the Foundations, Perspectives, and Connections requirements as well as the requirements for a major in the college. The Foundations, Perspectives, and Connections requirements are described in detail below.

Except as otherwise noted, no course may be applied to both the Perspectives requirement and the Connections requirement, and no course may be used to satisfy two different components of the Perspectives requirement. Up to six credit hours of courses used to satisfy the Perspectives requirement may also be applied to the requirements of a student's primary major. In addition, Foundations courses may be applied to the requirements of a major.

College-wide requirements: Foundations

All students who earn a degree in the College of Arts and Sciences must complete the Foundations requirement established by the college. Satisfying the Foundations requirement demonstrates that a student can communicate effectively in English, both orally and in writing, and that a student can use the tools of quantitative analysis. The Foundations course work requirements consist of four parts: (1) first year English composition; (2) one additional course designated as a General Education Communicating through Writing (WC) course; (3) one course designated as a General Education Communicating Orally (OC) course; and (4) two courses that provide foundational instruction in quantitative reasoning. The specific course requirements are as follows.

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 complete this requirement in one of two ways.

- 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 English Placement Information

Eligibility for ENGL 118 will be determined by ACT or SAT scores and a placement exam. Selected students enrolled in either ENGL 101 or ENGL 131 will also be placed in ENGL 103 based on ACT or SAT scores, and may not drop ENGL 103 without departmental approval. Details are available from the English Department.

A student must complete the first year composition requirement prior to enrolling in English courses numbered 200 or higher.

Communicating through Writing

To further develop the writing skills that are foundational to advanced work in the College of Arts and Sciences, all students pursuing a degree from the college must, after satisfying the first year English composition requirement, complete one additional course designated as a General Education Communicating through Writing (WC) course. This additional course may also be applied to either the Perspectives or Connections requirement of the college, and may be used to satisfy major requirements.

Communicating Orally

The ability to communicate one's ideas orally is as important as the ability to express them in writing, and oral communication skills are foundational to advanced work in the College of Arts and Sciences. All students pursuing a degree from the college must therefore complete one course designated as a General Education Communicating Orally (OC) course. This course may also be applied to either the Perspectives or Connections requirement of the college, and may be used to satisfy major requirements.

Quantitative Reasoning

All students pursuing a degree from the College of Arts and Sciences must demonstrate the ability to use the tools of quantitative analysis. Students may meet this college requirement either by completing two of the following courses, or by completing one of the following courses and also COSC 100 or COSC 102.

MATH 113, MATH 115, MATH 117, MATH 123, MATH 125, MATH 141, MATH 142, MATH 147, MATH 148, MATH 151, MATH 152, MATH 202; STAT 201, STAT 207.

College-wide requirements: Perspectives

All students who earn a degree from the College of Arts and Sciences must complete the Perspectives requirement established by the college. The Perspectives requirement is designed to introduce students to the modes of inquiry and discourse that characterize various academic disciplines and to the ways in which hypotheses are constructed and evaluated. In completing the Perspectives requirement, students also gain an informed appreciation for the diverse natures of the world's cultures and societies, whether historical or present-day, and for the artistic and cultural milestones created by these cultures and societies. Perspectives courses thus prepare students to become broadly-educated, engaged, and responsible citizens.

Arts and Humanities

By studying the arts and humanities, and by participating as an informed and appreciative observer of artistic and cultural achievements in fields within the visual, spatial, musical, theatrical, or written arts, we gain new perspectives on the human experience and on humankind's creative impulse. Studying the arts and humanities also develops our critical thinking and analytical skills as we consider historical and present-day answers to the enduring question "What common experiences, if any, make up the human experience?" The Arts and Humanities component of the Perspectives requirement serves to introduce students to the modes of inquiry that are employed in the fields that constitute the arts and humanities, to help students understand how aesthetic and moral judgments are arrived at and defended, and to acquaint students with the artistic and cultural achievements of both the past and the present.

Students may meet this requirement by completing two courses, from two different departments, chosen from the lists below. At least one course must be chosen from List A (Literature and Philosophical and Religious Thought).

List A – Literature and Philosophical and Religious Thought

AFST 225; CLAS 221, CLAS 222, CLAS 253; ENGL 201, ENGL 202, ENGL 206, ENGL 207, ENGL 208, ENGL 221, ENGL 222, ENGL 226, ENGL 231, ENGL 232, ENGL 233, ENGL 237, ENGL 238, ENGL 247, ENGL 248, ENGL 251, ENGL 252, ENGL 253, ENGL 254, ENGL 258; PHIL 101, PHIL 107, PHIL 244, PHIL 252; RUSS 221, RUSS 222.

List B – Study or Practice of the Arts

ARCH 111, ARCH 117, ARCH 211, ARCH 212, ARCH 217, ARCH 218; ARTH 162, ARTH 172, ARTH 173, ARTH 177, ARTH 178, ARTH 183; CLAS 232; MUCO 110, MUCO 115, MUCO 120, MUCO 125, MUCO 290; THEA 100, THEA 107.

Natural Sciences

Science and technology play an important role in many aspects of modern life, and as citizens we are increasingly asked to make decisions about public policy questions with scientific or technological aspects. Familiarity with scientific methods of inquiry and with the development and testing of scientific hypotheses provides us with the foundation to make these decisions in an informed and responsible way, and also helps us distinguish science from pseudoscience. The Natural Sciences component of the Perspectives requirement serves to introduce students both to the basic discoveries, foundational knowledge, and logical organization of a scientific discipline and to the experimental methods used in that discipline for scientific inquiry and for the testing of scientific hypotheses.

Students may satisfy this requirement by completing one of the 8-credit laboratory sequences listed below.

ASTR 151-ASTR 153 and ASTR 152-ASTR 154 (all four of these courses must be completed to fulfill the 8-credit requirement), ASTR 217-ASTR 218; BIOL 101-BIOL 102, BIOL 111-BIOL 112, BIOL 150-BIOL 160-BIOL 159 (all three of these courses must be completed to fulfill the 8-credit requirement), BIOL 158-BIOL 168-BIOL 167 (all three of these courses must be completed to fulfill the 8-credit requirement); CHEM 100-CHEM 110, CHEM 120-CHEM 130, CHEM 128-CHEM 138; GEOG 131-GEOG 132, GEOG 137-GEOG 132; two courses chosen from GEOL 101, GEOL 102, GEOL 103, GEOL 104; GEOL 107-GEOL 108; PHYS 135-PHYS 136, PHYS 137-PHYS 138, PHYS 221-PHYS 222.

Social Sciences

The disciplines that make up the social sciences help us analyze the interactions that take place between individuals, between groups or societies, and between an individual and a group. Studying these interactions helps us understand the political and social dynamics that govern contemporary societies. Equipped with this understanding, we can participate more effectively, and as informed and engaged citizens, in social, political, and economic decision making. The Social Sciences component of the Perspectives requirement serves to introduce students both to the principal concerns of disciplines in the social sciences and to the methods by which social scientists collect and evaluate knowledge and test hypotheses.

Students may meet this requirement by completing two courses, from two different departments, chosen from the list below.

AFST 201, AFST 202; ANTH 130, ANTH 137; CFS 210, CFS 220; ECON 201, ECON 207; EDPY 210; GEOG 101, GEOG 121; POLS 101, POLS 102, POLS 107; PSYC 110, PSYC 117; REST 232, REST 233; SOCI 110, SOCI 120, SOCI 127; UNHO 267, UNHO 268; WOST 230.

Foreign Language

Learning a foreign language helps prepare a student to become an engaged global citizen. Studying the vocabulary, grammatical structure, and literary milestones of a second language can help students understand the close relationship between language and culture, and can provide students with tools that can be used to both understand and bridge cultural differences. Study of a foreign language can also help us understand better the structure and nuances of our own native language. The Foreign Language component of the Perspectives requirement supports the broad goals of liberal education by promoting intellectual tolerance and flexibility, informing students' understanding of cultural diversity, and introducing students to the literary achievements of authors writing in other languages.

Students may meet this college requirement in one of four ways.

- Completion of one of the following intermediate-level foreign language sequences: ASST 221-ASST 222, ASST 241-ASST 242, or ASST 261-ASST 262; CHIN 231-CHIN 232; FREN 211-FREN 212 or FREN 217-FREN 218; GERM 211-GERM 212; (Greek) CLAS 261-CLAS 264; (Latin) CLAS 251-CLAS 252; ITAL 211-ITAL 212; JAPA 251-JAPA 252; PORT 211-PORT 212; REST 221-REST 222; RUSS 201-RUSS 202; SPAN 211-SPAN 212 or SPAN 217-SPAN 218.
- Completion of a 6-hour intensive intermediate-level foreign language course. Any one of the following courses will satisfy the requirement – FREN 223, GERM 223, ITAL 223, PORT 223, SPAN 223.
- Demonstration of intermediate competence on a departmental placement or proficiency examination or by AP or CLEP credit.
- Students whose native language is not English may satisfy the requirement with ENGL 131 and ENGL 132 and any two of the following courses: AFST 225, AFST 226, AFST 233; CHIN 311; CLAS 253; COLI 202; ENGL 201, ENGL 202, ENGL 206, ENGL 207, ENGL 208, ENGL 221, ENGL 222, ENGL 225, ENGL 226, ENGL 231, ENGL 232, ENGL 233, ENGL 237, ENGL 238, ENGL 247, ENGL 248, ENGL 251, ENGL 252, ENGL 253, ENGL 254, ENGL 258; INSC 330; ITAL 401, ITAL 402; JAPA 313, JAPA 314; JST 312; LAC 315; MRST 261, MRST 262, MRST 401, MRST 402; MFL 300; PORT 315; REST 312; RUSS 221, RUSS 222; WOST 210, WOST 215.

Foreign Language Placement Information

All students who wish to enroll in a foreign language course, who have completed at least two years of this language in high school and who have not yet taken a college course in the language, must take a placement examination before enrolling. Placement in the appropriate course will be determined by the score on the examination. Examinations for most languages will be given online prior to orientation and at any time during the fall, spring, and summer. Students who place into 200-level courses will receive 6 hours of elementary language credit upon successful completion of a 200-level course in the same language, provided that they do not subsequently enroll and receive credit for any 100-level course in the same language. If they do, elementary placement credit is forfeited and removed from the student's transcript.

Students who place into 300-level courses will receive 6 hours of intermediate language credit upon successful completion of a 300-level course in the same language, provided that they do not subsequently enroll and receive credit for any 200-level course in the same language. If they do, intermediate placement credit is forfeited and removed from the student's transcript. Those students who place into 200- or 300-level courses and do not wish to continue in a language, but wish to receive six hours of 100- or 200-level credit, respectively, for their online exam, may do so by completing a proctored placement exam during the fall, spring, or summer and confirming the results of their online placement exam.

Placement test scores expire after one year. Students have one year from the date on which they take the placement exam to either register for the course for which they are eligible (as determined by their placement test score) or complete the proctored placement exam to confirm the results of the online exam. After the one-year period elapses, students will have to take the placement test again.

Non-U.S. History

Careful and thoughtful study of the past, and of the diversity of human societies and cultures found around the world, helps us understand the historical origins of contemporary society. By investigating change and continuity in human societies, and by asking how historical contexts shape people, events, and ideas, students can also further develop their analytical and critical thinking skills. The Non-U.S. History component of the Perspectives requirement serves to introduce students to the modes of inquiry that are employed in the study of human history, to help students understand how hypotheses about the historical past are formulated and tested, and to improve students' understanding of how historical events have shaped present-day society.

Students may meet this requirement by completing one of the following pairs of courses. All courses listed here are writing-emphasis courses.

AFST 235-AFST 236; HIST 241-HIST 242, HIST 247-HIST 248, HIST 255-HIST 256, HIST 261-HIST 262, HIST 267-HIST 268; LAC 251-LAC 252; MRST 201-MRST 202.

Global Challenges

With recent advances in transportation and communication technologies and changes in the nature of global economic forces, many environmental, political, and social concerns have acquired distinctive international or transnational dimensions. Courses that satisfy the Global Challenges requirement provide students with the opportunity for focused inquiry into the historical origins of, or contemporary thought regarding, one of the critical international or transnational issues facing today's world.

Students satisfy this component of the Perspectives requirement by completing one course that has been identified as a Global Challenges course. ~~The current list of Global Challenges courses is posted on the Advising web site maintained by the college.~~ **Course list will be provided at the March Curriculum Committee meeting.**

College-wide Requirements: Connections

In completing the Connections requirement of the college, students undertake a focused educational experience that complements in-depth study in their chosen major field. Students may satisfy the Connections requirement in one of three ways.

- By completing nine credit hours of study abroad course work. These nine hours of course work may, if appropriate, be applied to non-Connections degree requirements. The nine hours of course work do not need to be taken during a single academic term or at a single study abroad site. Students interested in pursuing study abroad are strongly encouraged to contact a study abroad advisor at the Center for International Education.
- By completing a minor or a second major. The minor or second major may be in the College of Arts and Sciences or in another college. Courses used to satisfy the requirements of a minor or a second major may also be used to meet Perspectives requirements.
- By completing nine credit hours drawn from a single Connections Package. The nine credit hours must be drawn from at least two different departments. Three of the nine credit hours may be applied toward a student's major requirements. Connections Packages are topically-oriented collections of upper-division courses that have been designed by faculty to focus students' attention on questions that have substantial multidisciplinary character. ~~The current list of Connections Packages is posted on the Advising web site maintained by the college.~~ **Course list will be provided at the March Curriculum Committee meeting.**

Majors

Requirements for specific majors vary by program and are discussed under each department or program. A major consists of 30 to 48 credit hours in courses numbered 200 or above as specified by the department or program. Courses taken to satisfy the college Foundations requirement may, when appropriate, be used in the major. Up to six credit hours used to satisfy major requirements may also be used to satisfy Perspectives requirements. A minimum grade of C must be earned in every course counted as part of the major. This grade requirement does not apply to preparatory course work, prerequisites, or corequisites unless otherwise stated by the department.

All first-time, first-year UT Knoxville students who are admitted to an exploratory program must declare a major no later than the end of their fourth tracking semester. Transfer students with less than 45 hours of transferrable work must declare a major no later than the end of their second full semester at UT. Transfer students with 45 hours or more of transferrable work must be admitted directly into a major. Returning students may declare a major as soon as they have met required standards; however, they must officially declare a major by the time they have earned 75 credit hours.

The requirements for declaring a specific major are stated under the department or program listing. To declare a major, students should go to the academic department which houses the major. To declare an interdisciplinary major and for more information, contact Arts and Sciences Advising Services.

Students transferring from other institutions must complete at least 9 credit hours at the University of Tennessee, Knoxville, in each major earned in the College of Arts and Sciences. Students may elect as many courses as desired in any department or program. Majors available for students pursuing a B.A. or B.S. degree include: anthropology, art, art history, biological sciences, chemistry, classics, economics, English, geography, geology and environmental studies, history, interdisciplinary programs, mathematics, modern foreign languages and literatures, music, philosophy, physics, political science, psychology, religious studies, sociology, statistics, and theatre.

Optional Multiple Majors

After a student has satisfied the general Foundations and Perspectives requirements, and the requirements of a major, additional majors may be recorded on the transcript without regard to course overlap among majors or among the additional majors and Foundations and Perspectives requirements, provided a minimum of 18 distinct credit hours differentiates the primary major from the additional majors. Students developing multiple majors must declare this intent at the time of application for graduation. Once a student has graduated, the establishment of additional majors becomes subject to university second degree requirements.

Students who satisfy the requirements of a degree in a college other than Arts and Sciences may also major inside the College of Arts and Sciences with the approval of the degree-granting unit. These students need complete only the major requirements, not the Foundations, Perspectives, or Connections requirements for Arts and Sciences degrees. The Arts and Sciences major may also be listed on the student's transcript.

Minors

At the time of application for graduation, 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. 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 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.

Elective Courses

Students completing a B.A. or B.S. degree in the college have the opportunity to select elective courses that supplement and support the work being done in the major and in the college-wide Foundations, Perspectives, and Connections requirements. This dimension of the student's experience at the university represents that freedom within which total education may be rounded out and enriched. Elective courses should be chosen with care so that they will truly enhance the student's total program and help in the achievement of well thought-out educational objectives.

Some of the choices which the student might make in selecting the elective courses are additional courses in the major field; a related minor; an area in the arts; an off-campus semester.

Only the student's imagination and initiative and the willingness to conceive and develop a meaningful academic program limit the choices of supplementary elective courses.

Writing-Emphasis Courses

A writing-emphasis course requires a student to complete at least 2,000 words of writing during the semester. This normally consists of at least one sustained formal essay or report of 1,000 or more words, plus additional writing assignments such as in-class essay exams, journals, book reviews, short-response papers, and the like. Writing-emphasis courses are designed to help students learn subject material through writing; develop critical thinking and written communication skills; and demonstrate the ability to craft and sustain an argument in writing. Writing-emphasis courses do not necessarily satisfy the University's General Education Communicating through Writing (WC) requirement. A writing-emphasis course is so designated in the course description found in the Undergraduate Catalog.

Program for Prospective K-12 Teachers

Students planning careers in K-12 teaching must complete an Arts and Sciences major in a department, in one of the interdisciplinary programs, or, if eligible, in the College Scholars Program. Prospective secondary and middle school teachers must fulfill the requirements of appropriate content majors; prospective elementary teachers may choose any major in the College of Arts and Sciences.

To be licensed for teaching, students must also gain formal admission to the Teacher Education Program in the College of Education, Health, and Human Sciences. The process involves successful completion of a series of requirements including presentation of satisfactory scores on certain tests, completing professional courses in the College of Education, Health, and Human Sciences, maintenance of a 2.7 or higher GPA, and completing a fifth year program emphasizing practical application. For details, see the College of Education, Health, and Human Sciences section of this catalog and contact the Advising Center, 332 Bailey Education Complex.

Formerly:

Theresa M. Lee, Dean

Christine R. Boake, Associate Dean for Research, Graduate Studies, and Facilities

Robert J. Hinde, Associate Dean for Academic Programs
Melissa Parker, Director, College of Arts and Sciences Advising Services
Cynthia B. Peterson, Interim Associate Dean for Academic Personnel
<http://www.artsci.utk.edu>

The College of Arts and Sciences is home to a wide array of academic disciplines and interdisciplinary programs. Such diverse areas of study as classics, anthropology, women's studies and Latin American and Caribbean studies are represented among the 21 departments and schools and 13 special programs that compose the college.

The faculty of the college are committed to providing both comprehensive general education and concentrated study in a particular field to all students enrolled at the University of Tennessee, Knoxville. General education offers opportunities to master the basic learning skills necessary to understand a specialized area of study and is essential for the continuation of learning throughout life.

Arts and Sciences faculty are also committed to educating students in a discipline. Education with a disciplinary focus prepares students for further study at the graduate level and for careers in business, public service, or any other endeavor. As our world becomes both more specialized and more changeable, the need to find the right balance between general and specialized knowledge becomes essential.

The central purposes of a liberal education include the encouragement of intellectual tolerance, a dedication to the quest for knowledge as a worthwhile goal in and of itself, and the cultivation of a responsible, creative, individual mind. These qualities enable one to develop an ability to reason and to express oneself clearly, an incentive to absorb emerging knowledge, and a competence to confront the uncertainties of human experience. For the student whose interests and talents lead into research, scholarship, and teaching, a liberal education provides an invaluable foundation. For the individual who enters business, industry, the professions, or government service, it furnishes a broadly useful and well-rounded educational background. For all, it offers the opportunity to share in a rich intellectual heritage, in the adventures of the mind, and in the life of the educated imagination. A liberally educated person is identified not so much by specific knowledge as by quality of mind and by creative response to the challenges of the times.

The great universities of the world are so labeled because their faculties have earned the reputation of being renowned scholars. The University of Tennessee, Knoxville, has earned such a reputation because of the quality of the research and creative activity of its faculty. The student who studies in the College of Arts and Sciences has joined a community of scholars. To study with such a talented faculty is to experience the best education possible.

The faculty of the College of Arts and Sciences provide to all students a general education and to thousands of students a year a more specialized education in any one of 21 disciplines and 13 interdisciplinary programs. The college's faculty help their students prepare for any and all careers. Faculty research and creative activity are the foundations on which education in this college is built. As a result of that faculty endeavor, the lives of students are enriched and the world's body of knowledge grows. That is the basic mission of the College of Arts and Sciences faculty in a research university.

Programs of Study

Seeking the broad, general goals of a liberal education, students come into the college also with a wide variety of specific educational and vocational objectives. Recognizing this diversity, the college offers a number of different programs of study leading to the baccalaureate degree and also several pre-professional curricula which prepare students for advanced study but do not lead to a degree from this college.

Bachelor of Arts

The Bachelor of Arts represents the attainment of a broad knowledge of the arts and sciences as well as a comprehensive understanding of one or more areas of special interest. Three programs leading to this degree are open to the student.

Basic Program

The program appropriate for most Bachelor of Arts students is developed around the basic skills and distribution requirements plus intensive study in one or more of the specified departmental or interdepartmental major fields described below.

College Scholars Program

Intended for a limited number of students who are especially qualified and motivated and who have been selected to undertake this honors program, the College Scholars Program permits the students maximum freedom to design a curriculum to meet particular interests and goals.

VolsTeach Program

Students pursuing a major in selected programs in the College of Arts and Sciences are eligible to participate in the University's VolsTeach program (<http://volsteach.utk.edu/>), which permits students to simultaneously complete a major in mathematics or science and receive secondary education teaching licensure within the 4-year undergraduate degree program through completion of a VolsTeach minor. For more information about VolsTeach, including advising associated with teaching licensure requirements, contact the Center for Enhancing Education in Mathematics and Science (101 Greve Hall).

Bachelor of Science

The Bachelor of Science degree, offered in selected departments and programs, is designed for students who wish to pursue a more scientifically or professionally oriented program of study. Two programs leading to this degree are offered.

Basic Program

The basic program for the Bachelor of Science degree contains basic skills and distribution requirements similar to the basic program for the Bachelor of Arts as well as a unique set of requirements for the major including additional study in mathematics, statistics, or laboratory sciences.

Pre-Professional Program

The pre-professional program is offered for those who wish to participate in the cooperative 3+1 curricula in the health sciences (medicine, dentistry, pharmacy, or veterinary medicine). Students taking one of the health sciences curricula proceed directly to specialized training in the chosen area after the third year of Arts and Sciences study and complete the first year of professional study in lieu of satisfying the requirements for the Bachelor of Science degree with a major concentration in the college.

Bachelor of Science in Chemistry

See Department of Chemistry.

Bachelor of Fine Arts

See School of Art.

Bachelor of Music

See School of Music.

Readmission

Information regarding readmission to the College of Arts and Sciences is available at <http://admissions.utk.edu/undergraduate/apply/readmission.shtml>. The official notification of readmission from the Office of Undergraduate Admissions will provide additional details regarding academic advising.

Requirements for Degrees

To earn a Bachelor of Arts or Bachelor of Science degree, these requirements must be completed.

All university degree requirements as described in the section, Academic Policies and Procedures – General Requirements for a Bachelor's Degree.

A minimum of 120 credit hours.

At least 42 credit hours in courses numbered 300 or above.

Appropriate work to satisfy basic skill and distribution requirements, counting no course in more than one area. (This is not a requirement in the College Scholars Program.)

Completion of at least one major (24-40 credits at 200 level or above for Bachelor of Science majors and 24-37 credits at 200 level or above for Bachelor of Arts majors); up to 6 hours in the major may be used, where listed, to satisfy basic skills or divisional distribution requirements.

Courses used for the major may not be used to satisfy upper level distribution requirements.

Students may choose to develop one or more minors (minimum 15 hours at the 200-level and above).

Students may take up to 20 hours of courses graded Satisfactory/No Credit in an area outside the major or minor, basic skills or distribution requirements.

Satisfactory/No Credit

A few courses in the college are offered only on a Satisfactory/No Credit (S/NC) basis and students may elect to take others on this basis, except in areas where the option is specifically prohibited. Such courses, if successfully completed, will count as hours for graduation although neither S nor NC grades will be calculated in the student's grade point average. Satisfactory is defined as C or better work on the traditional grading scale and No Credit is defined as less than C. The following regulations apply.

S/NC courses, except those offered only on this basis, may not count for basic skills or distribution requirements or major and minor requirements unless specifically permitted by petition. This restriction applies also to major or minor prerequisites or corequisites.

The maximum number of S/NC elective hours which may be counted toward graduation is 20, exclusive of courses offered only S/NC, physical education courses, and/or satisfactory hours earned by examination, military service, etc.

A transfer student with S/NC or equivalent credit earned prior to admission to the University of Tennessee, Knoxville, in a course which satisfies a basic skills or distribution requirement may count it for that purpose. In the case of a course which satisfies a major or minor requirement, the first bullet applies.

The option of taking courses on a S/NC basis is provided to encourage the able student to venture beyond the limits of those courses in which the student does well and, motivated by intellectual curiosity, to explore subject matter in which performance may be somewhat less outstanding than work in preferred subject fields.

Note: Students planning to seek admission to graduate or professional schools (especially in the health sciences) should discuss with their advisors possible limitations on exercise of the S/NC option before registering for courses on this basis.

Basic Skills and Distribution Requirements

The Bachelor of Arts and the Bachelor of Science degrees share the same program of basic skills and distribution requirements (except where noted otherwise).

All students who earn a degree in the College of Arts and Sciences must have demonstrated skill in the use of the English language, the ability to acquire another language, and the ability to use the tools of quantitative analysis or formal logic. The specific requirements are as follows.

First Year Composition

Skills necessary to write persuasive, logical and coherent essays in English; to read critically texts from a variety of media; to evaluate and cite sources in research; and to be aware of how to write for different audiences and purposes.

Students may meet this requirement in one of two ways.

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 A or B in ENGL 118 may complete their freshman requirement with ENGL 102, or with a sophomore course in the English Department, or ENGL 355. The sophomore course may, if so listed, also be used toward the humanities distribution requirement.

By earning a score of 4 or 5 on the College Board Advanced Placement Test in Literature and Composition. Credit in ENGL 101 is earned with a score of 4 or 5 on the Advanced Placement Test in Language and Composition.

Placement Information

Eligibility for ENGL 118 will be determined by ACT or SAT scores and a placement exam. Selected students will be placed in ENGL 103 based on ACT or SAT scores and may not drop this course without departmental approval. Details are available from the English Department.

A student must complete the first year composition requirement prior to enrolling in English courses numbered 200 or higher.

Communicating through Writing

To fulfill the University General Education Requirement, all students must complete the first year composition sequence described above, and, upon completion of ENGL 101 and ENGL 102 or their equivalent, take one other course designated as (WC) in the Undergraduate Catalog. The WC course may or may not be within the student's major. WC courses may also satisfy college distribution requirements.

Communicating Orally

The ability to communicate one's ideas orally is as important as the ability to express them in writing. All students must fulfill the University General Education Requirement by completing one course with an (OC) designation. The OC course may or may not be within the student's major. OC courses may also satisfy college distribution requirements.

Foreign Language

Skills necessary to learn the basic structures and vocabulary of a foreign language; to read, write, understand, and, for modern languages, speak a foreign language; to understand how to learn another language; to better understand one's own native language; and to complement the study of other cultures or civilizations. Students may meet this requirement in one of four ways.

Completion of the intermediate-level sequence of a foreign language. Any one of the following sequences will satisfy the requirement – ASLN 231-ASLN 232 or ASLN 251-ASLN 252; ASST 221-ASST 222, ASST 241-ASST 242, or ASST 261-ASST 262; FREN 211-FREN 212 or FREN 217-FREN 218; GERM 201-GERM 202; (Greek) CLAS 261 and CLAS 264; (Latin) CLAS 251 and CLAS 252; ITAL 211-ITAL 212; PORT 211-PORT 212; REST 221-REST 222; RUSS 201-RUSS 202; SPAN 211-SPAN 212 or SPAN 217-SPAN 218.

Completion of a 6-hour intensive intermediate-level foreign language course. Any one of the following courses will satisfy the requirement – FREN 223, GERM 223, ITAL 223, PORT 223, SPAN 223.

Demonstration of competence on a departmental placement or proficiency examination or by AP or CLEP credit.

Students whose native language is not English may satisfy the requirement with ENGL 131 and ENGL 132 and any two courses from List A:

Literature under the Humanities Distribution Requirement.

Placement Information

All students who wish to enroll in a foreign language course, who have completed at least two years of this language in high school and who have not yet taken a college course in the language, must take a placement examination before enrolling. Placement in the appropriate course will be determined by the score on the examination. Examinations for most languages will be given online prior to orientation and at any time during the fall, spring, and summer. Students who place into 200-level courses will receive 6 hours of elementary language credit upon successful completion

of a 200-level course in the same language, provided that they do not subsequently enroll and receive credit for any 100-level course in the same language. If they do, elementary placement credit is forfeited and removed from the student's transcript. Students who place into 300-level courses will receive 6 hours of intermediate language credit upon successful completion of a 300-level course in the same language, provided that they do not subsequently enroll and receive credit for any 200-level course in the same language. If they do, intermediate placement credit is forfeited and removed from the student's transcript. Those students who place into 200- or 300-level courses and do not wish to continue in a language, but wish to receive six hours of 100- or 200-level credit, respectively, for their online exam, may do so by completing a proctored placement exam during the fall, spring, or summer and confirming the results of their online placement exam.

Quantitative Reasoning

Skills in mathematics, quantitative reasoning, and computing required for estimation and calculation, understanding logical processes, critical analysis, problem solving and decision making.

Students may meet this requirement by completion of two of the following courses, or one of the following courses and COSC 100 or COSC 102. MATH 113, MATH 115, MATH 117, MATH 123, MATH 125, MATH 141, MATH 142, MATH 147, MATH 148, MATH 151, MATH 152, MATH 202. STAT 201, STAT 207.

Distribution Requirements

All of these requirements are designed to enhance the skills of thinking critically and analytically, and of effective communication and writing through study and use of different kinds of human knowledge. The distribution requirements are in two parts. Part A: Divisional Distribution Requirements, which require students to take courses in the various divisions of the college, and Part B: Upper-Level Distribution Requirements.

Part A: Divisional Distribution Requirements

Natural Sciences

A two-course laboratory sequence and an additional course that will introduce students to the increasingly important role of science and technology in all aspects of modern life. This requirement will introduce students to the basic discoveries, knowledge and logical organization of scientific disciplines and to development and testing of hypotheses. Laboratory courses will develop skills in experimental tests of hypotheses; lectures will introduce students to the role of scientific methodology and problem-solving in society.

Students may meet this requirement by completion of a two course sequence from list A and an additional course from List A or List B.

List A

ASTR 151-ASTR 153 and ASTR 152-ASTR 154 (all four ASTR courses must be taken to fulfill the two course sequence requirement), ASTR 217-ASTR 218; BIOL 101-BIOL 102, BIOL 111-BIOL 112; CHEM 100-CHEM 110, CHEM 120-CHEM 130, CHEM 128-CHEM 138; GEOG 131-GEOG 132, GEOG 137-GEOG 132; two from GEOL 101, GEOL 102, GEOL 103, GEOL 104; GEOL 107-GEOL 108; PHYS 135-PHYS 136, PHYS 137-PHYS 138, PHYS 221-PHYS 222.

List B

ANTH 110, ANTH 117; ASTR 151; ASTR 152; BCMB 230; BIOL 130, BIOL 138, BIOL 140, BIOL 148; CHEM 150, CHEM 160; COSC 140, COSC 160; EEB 309, EEB 330, EEB 424; EPP 201; FWF 250; GEOL 201, GEOL 202, GEOL 203, GEOL 205, GEOL 206, GEOL 207, GEOL 208; MATH 231; MICR 210; NUTR 100; PHYS 101, PHYS 102.

Social Sciences

Courses that will introduce students to the idea of individuals in societies, to perspectives and methods used by social scientists, and to the uses of these perspectives and methods in thinking about current social, economic and political issues and problems.

Bachelor of Arts students may meet this requirement by completion of four courses from at least two departments listed below. To meet the University General Education Requirement, two of the courses selected must be from List A. The other courses can be chosen from List A or List B.

Bachelor of Science students must complete two courses from different departments. To meet the University's General Education Requirement, both courses must be selected from List A.

List A

AFST 201, AFST 202; ANTH 130, ANTH 137; CFS 210, CFS 220; ECON 201, ECON 207; EDPY 210; GEOG 101, GEOG 201; POLS 101, POLS 102, POLS 107; PSYC 110, PSYC 117; REST 232, REST 233; SOCI 110, SOCI 120, SOCI 127, SOCI 232; UNHO 267; WOST 230.

List B

AFST 310; ANTH 120, ANTH 127, ANTH 362; AUST 320; CMST 201, CMST 312, CMST 444; EEB 304; GEOG 320, GEOG 340; GLBS 250; LING 200; MUCO 310; PSYC 220, PSYC 360; SOCI 250, SOCI 260, SOCI 344, SOCI 370; WOST 220.

Arts and Humanities

Courses that will provide skills to appreciate and interpret literary, philosophical, or religious texts, and to participate as an appreciative observer or artist in a discipline within the visual, spatial, musical, theatrical, or written arts.

To meet the University General Education Requirement, students must choose two courses identified by an asterisk (*) from the list of courses below.

Bachelor of Arts students must complete three courses. At least two of the three courses must be chosen from those indicated by asterisks (*). In addition, one course must be selected from List A, one from List B, and one from List A, B, or C. Bachelor of Science students must complete two courses. Both courses must be chosen from those indicated by asterisks (*). One course must be selected from List A or B.

Writing-emphasis courses require at least 2,000 words, normally comprising one sustained essay or report of at least 1,000 words plus additional writing assignments such as in-class essay exams, journals, book reviews, etc. The purpose of the requirement is to help students learn course materials through writing; develop critical thinking skills; demonstrate the ability to sustain an argument; and strengthen existing writing skills.

List A – Literature

*AFST 225, *AFST 226, *AFST 233; ASLN 311, ASLN 313, ASLN 314; CHIN 311; *CLAS 253; COLI 202; *ENGL 201, *ENGL 202, *ENGL 206, *ENGL 207, *ENGL 208, *ENGL 221, *ENGL 222, *ENGL 225, *ENGL 226, *ENGL 231, *ENGL 232, *ENGL 233, *ENGL 237, *ENGL 238, *ENGL 247, *ENGL 248, *ENGL 251, *ENGL 252, *ENGL 253, *ENGL 254, *ENGL 258; INSC 330; ITAL 401, ITAL 402; JAPA 313, JAPA 314; JST 312; LAC 315; MRST 261, MRST 262, MRST 401, MRST 402; MFL 300; PORT 315; REST 312; *RUSS 221, *RUSS 222; WOST 210, WOST 215.

List B – Philosophical and Religious Thought

CLAS 201, *CLAS 221, *CLAS 222; HIST 321, HIST 322; *PHIL 101, *PHIL 107, *PHIL 244, *PHIL 252, PHIL 340, PHIL 345, PHIL 346, PHIL 347, PHIL 348, PHIL 382, PHIL 391; REST 101, REST 102, REST 107, REST 225, REST 280, REST 305, REST 321, REST 322, REST 342; WOST 382.

List C – Study or Practice of the Arts

*AFST 160; *ARCH 111, *ARCH 117, *ARCH 211, *ARCH 212, *ARCH 217, *ARCH 218; ARTA 191, ARTB 191, ARTC 191, ARTD 150, *ARTH 162, *ARTH 167, *ARTH 172, *ARTH 173, *ARTH 177, *ARTH 178, *ARTH 183, *ARTH 187, *ARTH 232; CNST 281; *CLAS 232; ENGL 262, ENGL 264, ENGL 267, ENGL 268, ENGL 281; MUTH 100; *MUCO 110, *MUCO 115, *MUCO 120, *MUCO 125, *MUCO 290; PHIL 350, PHIL 353; *THEA 100, *THEA 107, THEA 220.

Non-U.S. History

A two-course sequence to enhance appreciation of the diversity of the world's societies, their cultures, and histories. This requirement will develop understanding of how the past shapes individuals and communities in practical decisions and in understanding of self and world; will contribute to

skills in explaining change and continuity of human society and the interpretation of people, events and trends in context of the ideas, values, social and political conditions that affect them.

Students may meet this requirement by completion of one of the following sequences. All courses are writing-emphasis courses.

AFST 235-AFST 236; HIST 241-HIST 242, HIST 247-HIST 248, HIST 255-HIST 256, HIST 261-HIST 262, HIST 267-HIST 268; LAC 251-LAC 252; MRST 201-MRST 202.

Part B: Upper Level Distribution Requirements

Courses that use skills and knowledge acquired in the basic skills and divisional distribution areas to understand and analyze a highly interdependent world system and to make informed comparisons among contemporary cultures. These courses develop understanding of United States society, of national and international diversity, and of critical issues of the modern world. All students must complete one course from each list. All courses are writing-emphasis courses.

List A – United States Studies

AFST 315, AFST 331, AFST 333, AFST 343, AFST 352, AFST 353, AFST 376, AFST 380, AFST 429, AFST 471, AFST 472, AFST 480, AFST 484; AMST 310, AMST 312, AMST 320, AMST 334, AMST 343, AMST 354, AMST 355, AMST 381, AMST 423; ANTH 305, ANTH 310, ANTH 315, ANTH 320, ANTH 322, ANTH 360, ANTH 363, ANTH 454; ARTH 470, ARTH 472, ARTH 473; CNST 312, CNST 334, CNST 469; EEB 305; ECON 331, ECON 333, ECON 361, ECON 362, ECON 413, ECON 435, ECON 471, ECON 472; ENGL 331, ENGL 332, ENGL 333, ENGL 334, ENGL 381; GEOG 361, GEOG 363, GEOG 365, GEOG 366, GEOG 423, GEOG 441; HIST 325, HIST 326, HIST 345, HIST 349, HIST 350, HIST 351, HIST 354, HIST 355, HIST 363, HIST 364, HIST 379, HIST 380, HIST 417; PHIL 390; POLS 311, POLS 312, POLS 330, POLS 374; PSYC 434; REST 351, REST 352, REST 353, REST 354, REST 355, REST 430; SOCI 310, SOCI 341, SOCI 343, SOCI 455, SOCI 472; WOST 310, WOST 325, WOST 332, WOST 340, WOST 434, WOST 484.

List B – Foreign Studies

This list is subdivided by geographic area and topic. If Western Civilization (HIST 241-HIST 242) or Medieval Civilization (MRST 201-MRST 202) is used to satisfy the non-United States history divisional requirement, courses from the European concentration may not be used to satisfy this requirement.

Africa

AFST 335, AFST 371, AFST 372, AFST 373, AFST 381, AFST 421, AFST 452, AFST 464, AFST 465, AFST 466; ANTH 324, ANTH 373; ARTH 461, ARTH 462, ARTH 463; ENGL 335; GEOG 343; HIST 371, HIST 372, HIST 381; POLS 452; REST 373.

Asia

ARTH 411, ARTH 413, ARTH 414, ARTH 416, ARTH 419, ARTH 464; ASLN 315, ASLN 321, ASLN 413; ASST 374; CNST 315, CNST 495; GEOG 374, GEOG 375; HIST 382, HIST 389, HIST 390, HIST 391, HIST 392, HIST 393, HIST 495; JAPA 321, JAPA 413; JST 382; PHIL 374, PHIL 376, PHIL 379; POLS 454; REST 374, REST 375, REST 376, REST 379, REST 382, REST 383, REST 384, REST 401, REST 476.

Europe

ANTH 436, ANTH 442, ANTH 443, ANTH 444, ANTH 462; ARTH 425, ARTH 431, ARTH 441, ARTH 442, ARTH 451, ARTH 452, ARTH 453, ARTH 454, ARTH 475, ARTH 476; CNST 323, CNST 325, CNST 420, CNST 422; CLAS 340, CLAS 345, CLAS 362, CLAS 381, CLAS 382, CLAS 383, CLAS 384, CLAS 435, CLAS 436, CLAS 442, CLAS 443, CLAS 444, CLAS 445, CLAS 461, CLAS 471, CLAS 472, CLAS 473; ENGL 301, ENGL 302, ENGL 321, ENGL 401, ENGL 422; FREN 420, FREN 431, FREN 432; GEOG 371; GERM 323, GERM 350, GERM 363; HIST 319, HIST 320, HIST 323, HIST 324, HIST 332, HIST 333, HIST 429, HIST 471, HIST 472, HIST 473; ITAL 414, ITAL 422; JST 322, JST 350, JST 426, JST 432; LING 321; MRST 322, MRST 403, MRST 405, MRST 432, MRST 442, MRST 452; PHIL 320, PHIL 322, PHIL 324, PHIL 326, PHIL 327, PHIL 328; POLS 459; REST 345; RUSS 325, RUSS 371, RUSS 372; WOST 326, WOST 383, WOST 384, WOST 422.

Latin America

AFST 319, AFST 336; ANTH 313, ANTH 316, ANTH 319, ANTH 323; CNST 326, CNST 434, CNST 465; ENGL 336; GEOG 373; HIST 343, HIST 344, HIST 360, HIST 361, HIST 475; LAC 303, LAC 313, LAC 314, LAC 319, LAC 326, LAC 331, LAC 343, LAC 344, LAC 360, LAC 361, LAC 373, LAC 401, LAC 430, LAC 456, LAC 465, LAC 475; POLS 456; PORT 303, PORT 326, PORT 430, SPAN 331, SPAN 401, SPAN 434, SPAN 465, SPAN 489.

Middle East

ANTH 463; ASST 332, ASST 333; HIST 369, HIST 370, HIST 383, HIST 400; JST 311, JST 369, JST 370, JST 381, JST 383, JST 385, JST 405; REST 311, REST 332, REST 333, REST 381, REST 385, REST 405, REST 423.

Critical Issues in Foreign Studies

AFST 442; ANTH 302, ANTH 325; CNST 482; ECON 322; GEOG 344, GEOG 345, GEOG 445, GEOG 451; GLBS 482; HIST 375, HIST 395, HIST 418, HIST 484; JST 320, JST 386, JST 395, JST 484; MATH 400; MFL 482; POLS 350, POLS 365; REST 302, REST 320, REST 380, REST 386, REST 401, REST 425, REST 440; SOCI 442, SOCI 446; WOST 320, WOST 360.

Literature Courses Taught in a Foreign Language

ASLN 451, ASLN 452; CLAS 351, CLAS 352, CLAS 401, CLAS 402, CLAS 405, CLAS 406, CLAS 414, CLAS 431, CLAS 432, CLAS 435, CLAS 471, CLAS 472; FREN 353, FREN 410, FREN 415, FREN 430; GERM 301, GERM 302, GERM 305, GERM 419, GERM 420, GERM 431, GERM 432, GERM 433, GERM 434; ITAL 405, ITAL 411; LAC 301; PORT 301, PORT 432; RUSS 451, RUSS 452; SPAN 330, SPAN 332, SPAN 333, SPAN 334, SPAN 433, SPAN 479, SPAN 480, SPAN 482, SPAN 484, SPAN 486.

Majors

Requirements for specific majors vary by program and are discussed under each department or program. A major consists of at least 24-40 credit hours in courses numbered 200 or above as specified by the department or program. Courses taken to satisfy the university's OC and WC requirements may, when appropriate, be used in the major. An additional 6 credits taken in the major may also be used to satisfy basic skills or divisional distribution requirements. A minimum grade of C must be earned in every course counted as part of the major. This grade requirement does not apply to prerequisites and corequisites unless the department has specific progression requirements.

All first-time, first-year UT Knoxville students who are admitted to an exploratory program must declare a major no later than the end of their fourth tracking semester. Transfer students with less than 45 hours of transferrable work must declare a major no later than the end of their second full semester at UT. Transfer students with 45 hours or more of transferrable work must be admitted directly into a major. Returning students may declare a major as soon as they have met required standards; however, they must officially declare a major by the time they have earned 75 credit hours.

The requirements for declaring a specific major are stated under the department or program listing. To declare a major, students should go to the academic department which houses the major. To declare an interdisciplinary major and for more information, contact Arts and Sciences Advising Services.

Students transferring from other institutions must complete at least 9 credit hours at the University of Tennessee, Knoxville, in each major awarded on this campus. Students may elect as many courses as desired in any department or program. Majors available in the basic program for a Bachelor of Arts or Bachelor of Science include: anthropology, art, art history, biological sciences, chemistry, classics, economics, English, geography, geology and environmental studies, history, interdisciplinary programs, mathematics, modern foreign languages and literatures, music, philosophy, physics, political science, psychology, religious studies, sociology, statistics, and theatre.

Optional Multiple Majors

After the general requirements of basic skills, distribution and a major have been satisfied, additional majors may be recorded on the transcript without regard to course overlap among majors or among the additional majors and basic skills and distribution requirements, provided a minimum of 18 distinct credit hours differentiates the primary major from the additional majors. Students developing multiple majors must declare this intent at the time of application for graduation. Once a student has graduated, the establishment of additional majors becomes subject to university second degree requirements.

Students who satisfy the requirements of a degree in a college other than Arts and Sciences may also major inside the College of Arts and Sciences with the approval of the degree-granting unit. These students need complete only the major requirements, not the basic skills or distribution requirements for Arts and Sciences degrees. The arts and sciences major may also be listed on the student's transcript.

Minors

At the time of application for graduation, single or multiple minors may be recorded on the academic record without regard to course overlap among minors and major or among minors and basic skills and distribution requirements. 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 and also in astronomy and cinema studies. 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.

Business Administration Minor for Non-Business Students

For details, see the College of Business Administration section of this catalog and contact the Undergraduate Programs Office (College of Business Administration), 342 Haslam Business Building.

Elective Courses

At least one-fourth of each student's curriculum in the basic program will be made up of courses selected according to the individual's interests to supplement and support the work being done in the major and basic skills and distribution requirements. This dimension of the student's experience at the university represents that freedom within which total education may be rounded out and enriched. Elective courses should be chosen with care so that they will truly enhance the student's total program and help in the achievement of well thought-out educational objectives.

Some of the choices which the student might make in selecting the elective courses are additional courses in the major field; a related minor; an area in the arts; an off-campus semester.

Only the student's imagination and initiative and the willingness to conceive and develop a meaningful academic program limit the choices of supplementary elective courses.

Program for Prospective K-12 Teachers

Students planning careers in K-12 teaching must complete an Arts and Sciences major in a department, in one of the interdisciplinary programs, or, if eligible, in the College Scholars Program. Prospective secondary and middle school teachers must fulfill the requirements of appropriate content majors; prospective elementary teachers may choose any major in the College of Arts and Sciences.

To be licensed for teaching, students must also gain formal admission to the Teacher Education Program in the College of Education, Health, and Human Sciences. The process involves successful completion of a series of requirements including presentation of satisfactory scores on certain tests, completing professional courses in the College of Education, Health, and Human Sciences, maintenance of a 2.7 or higher GPA, and completing a fifth year program emphasizing practical application. For details, see the College of Education, Health, and Human Sciences section of this catalog and contact the Advising Center, 332 Bailey Education Complex.

Rationale: The College office appointed an ad hoc Curriculum Review Task Force to review College-wide degree requirements in the context of the University's General Education program. (The current College-wide requirements predate the adoption of University General Education requirements.) The proposed changes will align the College distribution requirements more closely with University General Education Requirements, replace the current Upper-Level Distribution requirement with a more coherent experience that emphasizes interdisciplinary connections, and bring all Arts & Sciences majors to a minimum of 30 credit hours. **Impact on other units:** Will affect all units using the Arts and Sciences core curriculum. **Financial impact:** None.

ADD COLLEGE TEXT (BEFORE PROGRAMS OF STUDY HEADING)**Arts and Sciences Advising Services****Mission**

The mission of Arts and Sciences Advising Services is to guide our diverse undergraduate population in developing and implementing sound educational plans that are consistent with their values and their academic and career goals. Our purpose is to encourage students to become self-directed learners and decision-makers. Further, we serve as a resource to faculty and support their work with undergraduate students within the college. Finally, our efforts support the University of Tennessee's broader mission, specifically by encouraging student persistence towards graduation.

Academic Advising

In addition to the university policy regarding academic advising described in the policies section of the catalog, all Arts and Sciences students must be advised every term until they have earned 45 credit hours. This Arts and Sciences policy further supports students as they develop academic plans consistent with Universal Tracking (uTrack). Transfer students are required to meet with an advisor each term until they have earned 30 hours at UT Knoxville.

Rationale: Faculty and staff in the College agree that incoming students should be advised in the college advising center until the mid-point of their sophomore year so that advisors can ensure that students are familiar with university policies, the college curriculum, and general education. The university wide advising policy only requires students to be advised once per year after they have accrued 30 hours and have declared majors. Without this policy change, half of the freshman class would have no advising requirement during their third college semester. The staff and faculty of the college have identified this crucial period as the point at which students will transition to a faculty advisor in the department of their major and believe that an advising appointment is the best venue for helping students with the transition. **Impact on other units:** None. **Financial impact:** None.

REVISE ARTS AND SCIENCES EXPLORATORY PROGRAM—PRE-PROFESSIONAL TRACK

COURSE SUBJECT AND TITLE	HRS	ADVISING NOTES	MILESTONES
TERM ONE			
Select one of the following first-year seminars: FYS 101 FYS 129 BCPP 102 COUN 205 COUN 212 INPG 100 UNHO 101	1		- Completion of at least 12 credit hours - MATH 119 or Math ACT 25 - Complete with C or better BIOL 150 430 (or equivalent) or CHEM 120
COMMUNICATING THROUGH WRITING (WC) ENGL 101 or ENGL 102 OR ENGL 121 or ENGL 131 OR ENGL 118	3	SAT/ACT/EPE and AP/dual enrollment credit determines placement in English Composition.	
QUANTITATIVE REASONING (QR)	3-4	- SAT/ACT or Math Department Placement Exam or AP/dual enrollment credit determines placement in mathematics. - PHYS 221 has a prerequisite of MATH 125, MATH 130, MATH 141, or MATH 151.	
Option A MATH 125		- For students whose major or minor interests include programs with specific math requirements other than MATH 141-MATH 142 or MATH 151-MATH 152 - MATH 125 has a prerequisite of MATH 119 or Math ACT 25.	
Option B MATH 141 or MATH 147 OR MATH 151		- For students whose major or minor interests include programs with a math requirement of MATH 141-MATH 142 or MATH 151-MATH 152 - MATH 141 and MATH 151 have a prerequisite of MATH 130 or Math ACT 28.	
NATURAL SCIENCE (NS) BIOL 150 430 or BIOL 158 438 and BIOL 159 or BIOL 167	5 4		
NATURAL SCIENCE (NS) CHEM 120 or CHEM 128	4	CHEM 120 has a prerequisite of MATH 119 or Math ACT 25.	
TERM TWO			
COMMUNICATING THROUGH WRITING (WC) ENGL 102 OR ENGL 131 or ENGL 132	3	Students who complete ENGL 118 with a B or higher may complete the English composition requirement by taking ENGL 102, a sophomore English course, or ENGL 355.	- ENGL 101 or equivalent - Complete with C or better an additional course from BIOL 150 430 (or equivalent) or CHEM 120
QUANTITATIVE REASONING (QR)	3-4	STAT 201 is required for pre-pharmacy.	
NATURAL SCIENCE (NS) BIOL 160 140 or BIOL 168 148	3 4		
NATURAL SCIENCE (NS) CHEM 130 or CHEM 138	4		
General Elective	0-1		
TERM THREE			
BIOL 240	4		- ENGL 102 or equivalent - Quantitative Reasoning course - Complete with C or better an
CHEM 350 or CHEM 358	3		
COMMUNICATING ORALLY (OC)	3		
ARTS AND HUMANITIES (AH) OR SOCIAL SCIENCE (SS)	3		
FOREIGN LANGUAGE	3	Intermediate foreign language satisfies the CULTURES & CIVILIZATION (CC) requirement.	

			additional course from BIOL 150 130 (or equivalent) or BIOL 160 140 (or equivalent)
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For more information on specific health professions programs, see Arts & Sciences Pre-Health.

DEPARTMENT OF ANTHROPOLOGY

REVISE ANTHROPOLOGY MAJOR

Major Requirements

Select one course:

Archaeological Area

Drop:

ANTH 363 – Prehistory of Tennessee

Select two courses:

Biological Anthropology

Add:

ANTH 303 – Human Biology and Society

Drop:

ANTH 496 – Biology of Human Variability

Rationale: Reflects addition of two new courses and deletion of two dropped courses. Impact on other units: None. Financial impact: None.

REVISE ANTHROPOLOGY MAJOR, DISASTERS, DISPLACEMENT AND HUMAN RIGHTS CONCENTRATION

Concentration Requirements

Select 15 additional hours:

Biological Anthropology

Add:

ANTH 303 – Human Biology and Society

Drop:

ANTH 496 – Biology of Human Variability

Rationale: Reflects addition of a new course and deletion of two dropped courses. Impact on other units: None. Financial impact: None.

SCHOOL OF ART

REVISE ART HISTORY MAJOR

The Art History major consists of ~~42~~ **36** hours.

I. Prerequisites (12 hours)

A. Complete (grade of C or better):

ARTH 172 – ~~Western Art: Ancient through Medieval~~ ~~Western-Art-I~~

ARTH 173 – ~~Western Art: Renaissance to Contemporary~~ ~~Western-Art-II~~

II. Major (~~30~~ **24** hours)

B. Select ~~12~~ **6** additional hours:

any 200-400 level Art History courses, ~~or any of the following courses~~

Rationale: Reflects new requirement that majors must consist of at least 30 credit hours. The 42 hour statement includes prerequisites to the major. Titles of the courses are changing to make clear that they do not have to be taken in order. Impact on other units: None. Financial impact: None.

REVISE ART MAJOR (BA)

I. Prerequisites (15 hours)

B. Select 3 hours (grade of C or better):

ARTH 172 – ~~Western Art: Ancient through Medieval~~ ~~Western-Art-I~~

ARTH 173 – ~~Western Art: Renaissance to Contemporary~~ ~~Western-Art-II~~

II. Major (~~30~~ **27** hours)

B. Select 15 hours 300-400 level studio courses**Graphic Design**ARTD 405 – ~~Interaction~~ ~~Computer-Enhanced-Graphic~~ Design**C. Select 3 hours:**~~300-400 level Art History courses~~

Rationale: Reflects new requirement that majors must consist of at least 30 credit hours and course title changes. Impact on other units: None.
Financial impact: None.

REVISE STUDIO ART MAJOR, TWO-DIMENSIONAL ARTS CONCENTRATION

I. Foundation**A. Complete:**ARTH 172 – ~~Western Art: Ancient through Medieval~~ ~~Western-Art-I~~ARTH 173 – ~~Western Art: Renaissance to Contemporary~~ ~~Western-Art-II~~**II. Concentration – Two-Dimensional Arts****C. Select 18 hours (200-400 level concentration courses):****Four-Dimensional Arts****Art Design/Graphic**ARTD 405 – ~~Interaction~~ ~~Computer-Enhanced-Graphic~~ Design

Rationale: Reflects course title changes. Impact on other units: None. Financial impact: None.

REVISE STUDIO ART MAJOR, THREE-DIMENSIONAL ARTS CONCENTRATION

I. Foundation**A. Complete:**ARTH 172 – ~~Western Art: Ancient through Medieval~~ ~~Western-Art-I~~ARTH 173 – ~~Western Art: Renaissance to Contemporary~~ ~~Western-Art-II~~**II. Concentration – Three-Dimensional Arts****C. Select 18 hours (200-400 level concentration courses):****Four-Dimensional Arts****Art Design/Graphic**ARTD 405 – ~~Interaction~~ ~~Computer-Enhanced-Graphic~~ Design

Rationale: Reflects course title changes. Impact on other units: None. Financial impact: None.

REVISE STUDIO ART MAJOR, FOUR-DIMENSIONAL ARTS CONCENTRATION

I. Foundation**A. Complete:**ARTH 172 – ~~Western Art: Ancient through Medieval~~ ~~Western-Art-I~~ARTH 173 – ~~Western Art: Renaissance to Contemporary~~ ~~Western-Art-II~~**II. Concentration – Four-Dimensional Arts****C. Select 18 hours (200-400 level concentration courses):****Four-Dimensional Arts****Add:**

ARTC 430 – Internship

Art Design/GraphicARTD 405 – ~~Interaction~~ ~~Computer-Enhanced-Graphic~~ Design

Rationale: Reflects course title changes and new course offerings. Impact on other units: None. Financial impact: None.

REVISE STUDIO ART MINOR

Prerequisites

Select 3 hours (grade of C or better):

ARTH 172 – ~~Western Art: Ancient through Medieval Western Art-I~~
ARTH 173 – ~~Western Art: Renaissance to Contemporary Western Art-II~~

Select 3 additional hours (grade of C or better):

ARTH 162 - Art of Africa, Oceania, and Pre-Columbian America
ARTH 172 – ~~Western Art: Ancient through Medieval Western Art-I~~
ARTH 173 – ~~Western Art: Renaissance to Contemporary Western Art-II~~
ARTH 183 - Asian Art

Rationale: Reflects course title changes. Impact on other units: None. Financial impact: None.

REVISE GRAPHIC DESIGN PROGRAM TEXT

The graphic design major prepares for a professional life in the field of design by exploring a range of contexts to support a problem-finding, problem-solving process. Emphasis is placed on contemporary issues of design as well as the role of design in constructing relationships between forms, people and cultures.

Students are advised that successful completion of Portfolio Review (ARTD 350) is a prerequisite to all upper-division graphic design courses. Continuing, returning, and transfer students must meet progression requirements before declaring a major in graphic design.

No grade below C in art courses may be applied to the Bachelor of Fine Arts in Graphic Design degree. A minimum of 42 credit hours, 300 level or above, must be earned prior to graduation. A minimum of 120 total hours are required.

The following core courses must be completed before students can progress into the art program as graphic design major and before further graphic design classes may be taken.

ART 101
ART 103
ARTH 172*, ARTH 173*

Those applying will be admitted into the art program in rank order of cumulative average as space allows. The overall record will be evaluated for quality and seriousness of purpose. Excessive absences, withdrawals, incompletes or repeated courses may result in denial of progression. Progression into the School of Art does not guarantee progression into the graphic design major. Progression into the graphic design major will follow successful completion of the graphic design Portfolio Review.

The graphic design major is specifically designed to provide the basic visual education for students who wish to pursue careers in graphic design-related fields such as advertising, art direction, three-dimensional design, publication designs, or electronic media.

Transfer students are advised that a minimum of 21 hours in studio courses must be earned at the University of Tennessee, Knoxville, as well as ARTD 251. Transfer students who expect to enroll in 300 (junior level) courses must present a portfolio of 10-15 works, the majority of which must be in graphic design.

No grade below C in art courses may be applied to the Bachelor of Fine Arts degree. A minimum of 42 credit hours, 300 level or above, must be earned prior to graduation.

A minimum of 120 hours are required. Students are advised that courses in graphic design must be taken in sequence, and that successful completion of Portfolio Review (ARTD 350) is prerequisite to all upper-division courses.

Students must complete ARTD 252 with a grade of C or better following successful completion of Portfolio Review (ARTD 350). If ARTD 252 is not successfully completed, the student must resubmit a portfolio to regain entrance into the junior program. Resubmission of the portfolio must occur during the scheduled Portfolio Review.

Continuing, returning, and transfer students must meet progression requirements before declaring a major in graphic design.

The following core courses must be completed before students can progress into the program as majors and before further art classes may be taken:

ART 101
ART 103
ARTH 172 *, ARTH 173 *

Those applying will be admitted into the program in rank order of cumulative average as space allows. The overall record will be evaluated for quality and seriousness of purpose. Excessive absences, withdrawals, incompletes or repeated courses may result in denial of progression. Progression into the School of Art does not guarantee progression into a chosen concentration. Progression into a concentration will follow successful completion of a concentration Portfolio Review.

Rationale: Change clarifies progression requirements and language used to describe program to reflect current practice. Impact on other units: None. Financial impact: None.

REVISE GRAPHIC DESIGN MAJOR

I. Art Core (18 hours)

ARTH 172 – ~~Western Art: Ancient through Medieval~~ ~~Western Art I~~ARTH 173 – ~~Western Art: Renaissance to Contemporary~~ ~~Western Art II~~

III. Required Design and Professional (6 hours)

A. Select two courses:

ARTD 405 – ~~Interaction~~ ~~Computer-Enhanced Graphic~~ Design

Rationale: Reflects course title changes. Impact on other units: None. Financial impact: None.

DEPARTMENT OF BIOCHEMISTRY AND CELLULAR AND MOLECULAR BIOLOGY

REVISE BIOLOGICAL SCIENCES MAJOR, BIOCHEMISTRY AND CELLULAR AND MOLECULAR BIOLOGY CONCENTRATION

BCMB Concentration

III. Select (13 total hours):

A. Select one laboratory course:

BCMB 403 – ~~Neurogenetics~~ ~~Advanced Genetics~~ Laboratory

C. Select remaining hours:

MICR ~~321~~ ~~320~~ – Advanced Microbiology

Rationale: Reflects course title and number changes. Impact on other units: None. Financial impact: None.

DEPARTMENT OF CHEMISTRY

REVISE DEPARTMENT TEXT

Placement in General Chemistry Sequences

The sequences which meet all of the requirements of a year of general chemistry and which serve as prerequisite for upper-division courses are CHEM 120*-CHEM 130* and CHEM 128*-CHEM 138*; chemistry majors are strongly urged to take the latter sequence. Courses CHEM 100* and CHEM 110* emphasize organic and biochemistry, and may not be used as prerequisite for other chemistry courses. CHEM 150 ~~and CHEM 160 are~~ is designed to increase the chemistry literacy and consumer knowledge of students and may not be used as ~~a~~ prerequisites for any other chemistry course.

Rationale: Course appeared on four-year course report and was dropped. Impact on other units: None. Financial impact: None.

CLINICAL LABORATORY SCIENCE PROGRAM

◆ DROP CLINICAL LABORATORY SCIENCE MAJOR, BS

◆ ADD MEDICAL LABORATORY SCIENCE MAJOR, BS

Students who complete the ~~medical clinical~~ laboratory science curriculum receive the Bachelor of Science degree with a major in ~~medical clinical~~ laboratory science from the College of Arts and Sciences. The curriculum requires a minimum of 90 hours of credit which includes the Basic Skills and Distribution requirements of the college and the University General Education Requirement prior to application for admission to a final year of study at the University of Tennessee Medical Center, Knoxville (UTMCK). ~~A grade of at least a C must be earned in each of the required chemistry, biology, and math courses. After the course of study is completed, UTMCK awards the student a Certificate of Laboratory Training. Students are then eligible for examination by the Board of Registry of the American Society of Clinical Pathologists or the National Credentialing Agency to earn certification as clinical laboratory scientists or medical technologists. Admission to the clinical year is at the discretion of the admissions committee of the clinical laboratory science program at the UT Medical Center. Admission to and successful completion of the program below does not assure admission to the clinical phase of the clinical laboratory science program.~~

Requirements for the Bachelor of Science • ~~Medical Clinical~~ Laboratory Science Major

Term 1	Hours
BIOL 150* (or BIOL 158*)-BIOL 159* (or BIOL 167*) BIOL 130*, BIOL 138*, or BIOL 101 *-BIOL 102 *	5-8 4-8
CHEM 120 * or CHEM 128 *	4
ENGL 101 (or equivalent)*	3

Foreign Language (intermediate level)*	3
¹ Quantitative Reasoning Elective*	3-4
Term 2	
BIOL 160* 140* or BIOL 168* 148*	3 4
CHEM 130 * or CHEM 138 *	4
ENGL 102 (or equivalent)*	3
Foreign Language (intermediate level)*	3
¹ Quantitative Reasoning Elective*	3-4
Term 3	
BIOL 240	4
CHEM 350 or CHEM 358	3
Communicating through Writing Elective*	3
Non-U.S. History*	3
Social Science (List A)*	3
Term 4	
CHEM 360 -CHEM 369 or CHEM 368 -CHEM 369	5
Communicating Orally Elective*	3
BIOL 220-BIOL 229 MICR 310 -MICR 319	4 5
Non-U.S. History (continuation of sequence)*	3
Term 5	
Arts and Humanities (List A or B)*	3
BCMB 230	5
MICR 330 430	3
² Unrestricted Electives	1-2 0-1
Upper-Level Distribution (U.S. Studies)	3
Term 6	
Arts and Humanities (List A, B, or C)*	3
MICR 420 -MICR 429	5
Social Science (List A)*	3
² Unrestricted Electives	0-1
Upper-Level Distribution (Foreign Studies)	3
³Term 7 and 8	
Complete the 12-month Medical Laboratory Science program of study at the UT Medical Center in Knoxville by successfully completing the following 36 hours of course work:	
MLS CLS 410 - Microbiology I	4
MLS CLS 411 - Microbiology II	4
MLS CLS 420 - Clinical Chemistry I	5
MLS CLS 421 - Clinical Chemistry II	5
MLS CLS 430 - Hematology and Clinical Microscopy I	4
MLS CLS 431 - Hematology and Clinical Microscopy II	4
MLS CLS 440 - Immunohematology I	3
MLS CLS 441 - Immunohematology II	3
MLS CLS 450 - Clinical Serology and Immunology	2
MLS CLS 470 - Orientation and Basic Techniques	1
MLS CLS 480 - Principles of Supervision and Education in Medicine	1
TOTAL (minimum)	120

* Meets University General Education Requirement .

¹ MATH 115 *-MATH 125 *, MATH 123 *-MATH 125 *, MATH 151 *-MATH 152 *, or MATH 141 *-MATH 142 *, MATH 141*-MATH 115* or MATH 141*-STAT 201* are required for pre-medical laboratory science students. Math placement depends on high school courses and grades, ACT scores, and BA/BS requirements.

² CLAS 273 and MLS 101 are is-a highly recommended elective.

³ Twelve-month program at UT Medical Center begins in January of each year. Deadline for application is May 15. Details can be found at the following website: <http://www.utmedicalcenter.org/for-health-professionals/educational-opportunities/clinical-laboratory-science-medical-technology/>

Rationale: The nationally recognized name for this career is now Medical Laboratory Science. Impact on other units: None. Financial impact: None.

DEPARTMENT OF CLASSICS

REVISE CLASSICS MAJOR, BA, HONORS CLASSICAL ARCHAEOLOGY CONCENTRATION (LAST SENTENCE)

The student will present an Honors thesis (~~CLAS 498) which for which 3 hours of independent study will be earned; the thesis~~ must receive a grade of B+ or higher to permit graduation with Honors.

REVISE CLASSICS MAJOR, BA, HONORS CLASSICAL CIVILIZATION CONCENTRATION (LAST SENTENCE)

The student will present an Honors thesis (~~CLAS 498) which for which 3 hours of independent study will be earned; the thesis~~ must receive a grade of B+ or higher to permit graduation with Honors.

REVISE CLASSICS MAJOR, BA, HONORS GREEK CONCENTRATION

The student will present an Honors thesis (~~CLAS 498) which for which 3 hours of independent study will be earned; the thesis~~ must receive a grade of B+ or higher to permit graduation with Honors.

Complete 3 hours (honors thesis):

~~CLAS 498 – Honors Thesis~~ ~~CLAS 493—Independent Study~~

REVISE CLASSICS MAJOR, BA, HONORS LATIN CONCENTRATION

The student will present an Honors thesis (~~CLAS 498) which for which 3 hours of independent study will be earned; the thesis~~ must receive a grade of B+ or higher to permit graduation with Honors.

Complete 3 hours (honors thesis):

~~CLAS 498 – Honors Thesis~~ ~~CLAS 493—Independent Study~~

Rationale: All the Classics changes result from the addition of a new course, CLAS 498 – Honors Thesis. References to CLAS 493 – Independent Study are being removed and replaced with the new course. Impact on other units: None. Financial impact: None.

DEPARTMENT OF EARTH AND PLANETARY SCIENCES

REVISE GEOLOGY AND ENVIRONMENTAL STUDIES MAJOR, ENVIRONMENTAL STUDIES CONCENTRATION

Corequisites**A. Complete:**

~~BIOL 260 – Ecology~~

~~BIOL 269 – Ecology Field-Based Laboratory~~

~~BIOL 250 – General Ecology~~

ECON 201 - Introductory Economics: A Survey Course *

D. Select one sequence:

BIOL 101 - Introduction to Biology I *

BIOL 102 - Introduction to Biology II *

BIOL 111 - General Botany *

BIOL 112 - General Botany *

~~BIOL 150 – Organismal and Ecological Biology*~~

~~BIOL 159 – Skills of Biological Investigation*~~

~~BIOL 160 – Cellular and Molecular Biology*~~

~~BIOL 130 – Biodiversity *~~

~~BIOL 140 – Organization and Function of the Cell *~~

Concentration Requirements**A. Select 15 hours:** (first grouping)

~~AREC 315 – Agriculture and Environmental Law~~

GEOG 345 - People and Environment

JREM 451 - Environmental Writing *

PHIL 346 - Environmental Ethics *

SOCI 360 - Environment and Resources

Rationale: This is an appropriate course to be used in this major. Impact on other units: AREC course. Financial impact: None.

REVISE GEOLOGY AND ENVIRONMENTAL STUDIES MAJOR, GEOLOGY CONCENTRATION

Corequisites**C. Select one course:**

BIOL 111 - General Botany *

~~BIOL 150 – Organismal and Ecological Biology*~~~~BIOL 159 – Skills of Biological Investigation*~~~~BIOL 130 – Biodiversity *~~~~BIOL 158 – Organismal and Ecological Biology*~~~~BIOL 167 – Honors: Skills of Biological Investigation*~~~~BIOL 138 – Honors Biodiversity *~~**DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY**

REVISE BIOLOGICAL SCIENCES MAJOR, ECOLOGY AND EVOLUTIONARY BIOLOGY CONCENTRATION

I. Quantitative Requirement

Select two courses, including one course from list A and one additional course from either list A or B. Note that course prerequisites are listed in parentheses.

A. Select one course:

EEB 406 – Models in Biology

EEB 411 - Biostatistics

B. Select one course:

MATH 231 - Differential Equations I (MATH 141*-MATH 142*)

MATH 251 - Matrix Algebra I (MATH 141*-MATH 142*)

STAT 201 - Introduction to Statistics *

STAT 251 - Probability and Statistics for Scientists and Engineers

~~BAS STAT 320 - Regression Modeling~~~~STAT 330 – Experimental Methods~~**II. Upper Division Courses**EEB 370 – ~~Evolutionary Psychology and Ethology~~ Ethology and Sociobiology

Note: MATH 141*-MATH 142* or MATH 151*-MATH 152* can be used to satisfy ecology and evolutionary biology requirements. However, MATH 141*-MATH 142* is recommended for students with a strong interest in quantitative ecology and is prerequisite to several courses that satisfy the ecology and evolutionary biology quantitative requirement.

Rationale: The College of Business Administration is changing the name of some Statistics courses to Business Analytics and Statistics. The new acronym is BAS for most of the STAT courses so we need to use that acronym in our major description. Impact on other units: Business Administration revision. Financial impact: None.

ECONOMICS (ARTS AND SCIENCES)

REVISE ECONOMICS MAJOR (ARTS AND SCIENCES)

The major consists of **30 27 upper-division (300- or 400-level) hours** in economics.

I. Complete:

ECON 311 – Intermediate Microeconomics

ECON 313 – Intermediate Microeconomics

II. Complete A or B:**A. Complete:**

ECON 381 – Introduction to Econometrics

9 hours of 400-level ECON courses

B. Select 12 hours:

400-level ECON courses

Select 12 hours:

300-400-level ECON courses

III. Select 12 9 hours:~~300~~ 400 level ECON courses

Rationale: These changes are being made to bring the major up to 30 hours. Impact on other units: Economics changes. Financial impact: None.

REVISE ECONOMICS MAJOR (ARTS AND SCIENCES), HONORS CONCENTRATION

The honors Economics concentration consists of **30 27 upper-division hours** in economics. Admission is limited to students with an overall GPA of 3.20 who have earned a B or better in ECON 311, ECON 313 and two other upper-division economics courses. In addition to **ECON 498 the requirements listed below**, students in the honors concentration are required to have 9 hours of other honors courses **which may include honors-by-contract courses**.

I. Complete:

ECON 311 – Intermediate Microeconomics
ECON 313 – Intermediate Microeconomics
ECON 498 – Honors Thesis

II. Complete A or B:

A. Complete:

ECON 381 – Introduction to Econometrics
9 hours of 400-level ECON courses

B. Select 12 hours:

400-level ECON courses

III. Select 9 hours:

300-400 level ECON courses

Select 9 hours:

400-level ECON courses

Rationale: These changes are being made to bring the major up to 30 hours. Impact on other units: Economics changes. Financial impact: None.

DEPARTMENT OF ENGLISH

REVISE ENGLISH MAJOR, CREATIVE WRITING CONCENTRATION

English Major

Select one course from each area:

Pre-1600 Literature

ENGL 406 - **Shakespeare's Contemporaries I: Renaissance Drama Renaissance Drama**
ENGL 409 - **Shakespeare's Contemporaries II: Renaissance Poetry and Prose Spenser and his Contemporaries**
ENGL 410 - **Donne, Milton, and Their Contemporaries Milton, Donne, and their Contemporaries**

1660-1900 Literature

ENGL 435 - **American Fiction to 1900 American Novel before 1900**

REVISE ENGLISH MAJOR, LITERATURE CONCENTRATION

English Major

Select one course from each area:

Pre-1600 Literature

ENGL 406 - **Shakespeare's Contemporaries I: Renaissance Drama Renaissance Drama**
ENGL 409 - **Shakespeare's Contemporaries II: Renaissance Poetry and Prose Spenser and his Contemporaries**
ENGL 410 - **Donne, Milton, and Their Contemporaries Milton, Donne, and their Contemporaries**

1660-1900 Literature

ENGL 435 - **American Fiction to 1900 American Novel before 1900**

Literature Concentration

Select one American literature course:

ENGL 435 - **American Fiction to 1900 American Novel before 1900**

Select one pre-1800 literature course:

ENGL 406 - **Shakespeare's Contemporaries I: Renaissance Drama Renaissance Drama**
ENGL 409 - **Shakespeare's Contemporaries II: Renaissance Poetry and Prose Spenser and his Contemporaries**
ENGL 410 - **Donne, Milton, and Their Contemporaries Milton, Donne, and their Contemporaries**

Select one additional literature course:

- ENGL 406 - ~~Shakespeare's Contemporaries I: Renaissance Drama~~ Renaissance Drama
- ENGL 409 - ~~Shakespeare's Contemporaries II: Renaissance Poetry and Prose~~ Spenser and his Contemporaries
- ENGL 410 - ~~Donne, Milton, and Their Contemporaries~~ Milton, Donne, and their Contemporaries
- ENGL 435 - ~~American Fiction to 1900~~ American Novel before 1900

REVISE ENGLISH MAJOR, RHETORIC AND WRITING CONCENTRATION

English Major**Select one course from each area:****Pre-1600 Literature**

- ENGL 406 - ~~Shakespeare's Contemporaries I: Renaissance Drama~~ Renaissance Drama
- ENGL 409 - ~~Shakespeare's Contemporaries II: Renaissance Poetry and Prose~~ Spenser and his Contemporaries
- ENGL 410 - ~~Donne, Milton, and Their Contemporaries~~ Milton, Donne, and their Contemporaries

1660-1900 Literature

- ENGL 435 - ~~American Fiction to 1900~~ American Novel before 1900

Rhetoric and Writing Concentration**Select two courses:**

- ENGL 455 - Persuasive Writing*
- ~~ENGL 470 - Special Topics in Rhetoric~~
- ENGL 495 - Introduction to Rhetoric and Composition
- ENGL 496 - The Rhetoric of Legal Discourse

REVISE ENGLISH MAJOR, TECHNICAL COMMUNICATION CONCENTRATION

English Major**Select one course from each area:****Pre-1600 Literature**

- ENGL 406 - ~~Shakespeare's Contemporaries I: Renaissance Drama~~ Renaissance Drama
- ENGL 409 - ~~Shakespeare's Contemporaries II: Renaissance Poetry and Prose~~ Spenser and his Contemporaries
- ENGL 410 - ~~Donne, Milton, and Their Contemporaries~~ Milton, Donne, and their Contemporaries

1660-1900 Literature

- ENGL 435 - ~~American Fiction to 1900~~ American Novel before 1900

Rationale: The Rhetoric and Writing change corrects an unintended omission from previous catalogs. The course fulfills the spirit of the requirement. The other changes reflect recent title changes. Impact on other units: None. Financial impact: None.

DEPARTMENT OF GEOGRAPHY

REVISE GEOGRAPHY MAJOR, BA

~~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 121 requirement. Students who enter the major with more than 60 hours of credit, and who have completed a laboratory science sequence other than geography, may petition the department to substitute certain upper-division physical geography courses for GEOG 131*/GEOG 137* and/or GEOG 132*. Students who enter the major with more than 60 hours of credit, and who have met the social science divisional requirements in departments other than geography, may petition the department to substitute certain upper-division human geography courses for GEOG 101* or GEOG 201*.~~

Prerequisites**Select one course:****Drop:**

- GEOG 201 - Concepts in Human Geography*

Add:

- GEOG 121 - Human Geography: People and Places*

Major Requirements

The major consists of ~~30~~ **27** hours. No more than 3 hours of GEOG 490 may be counted toward the major.

Complete:

Add:

GEOG 415 – Quantitative Methods in Geography

Select one geospatial methods course:**Drop:**

GEOG 410 – Global Positioning Systems and Geographic Data

GEOG 415 – Quantitative Methods in Geography

Select one physical geography course:

GEOG 450 - **Process** Geomorphology

Rationale: Since all geography students must now take an upper-level human geography course and an upper-level physical geography course we are removing those requirements for students arriving at the major with more than 60 hours who wish to waive these prerequisites. This brings the major up to the required 30 hours. We are making 415 a required course for majors due to career-related demands for this skillset. Since this course is now a required course and being removed from the methods group, that group will now be called geospatial. GEOG 201 was replaced with GEOG 121. Impact on other units: None. Financial impact: None.

DEPARTMENT OF HISTORY**REVISE HISTORY MAJOR****Major Requirements****Select two courses (from two different areas):****Asia**

HIST 391 – **Modern** Chinese Intellectual History

REVISE HISTORY MAJOR, HONORS CONCENTRATION**Honors Concentration****Select two courses (from two different areas):****Asia**

HIST 391 – **Modern** Chinese Intellectual History

Rationale: Reflects recent title change. Impact on other units: None. Financial impact: None.

INTERDISCIPLINARY PROGRAMS**REVISE INTERDISCIPLINARY PROGRAMS MAJOR, AFRICANA STUDIES CONCENTRATION****Concentration Requirements**

The concentration consists of **30 24** hours from the Africana studies curriculum. A maximum of 6 hours in AFST 492 and AFST 493 combined can be applied toward the concentration.

Select one sequence:

AFST 201 - Introduction to African-American Studies *

AFST 202 - Introduction to African-American Studies *

or

AFST 235 - Introduction to African Studies *

AFST 236 - Introduction to African Studies *

Select 3 hours:**Drop:**

AFST 496 - Biology of Human Variability

Select **21 15 hours:****Drop:**

AFST 496 - Biology of Human Variability

Rationale: The primary department dropped the 496 course. The change in hours is to bring the Africana Studies BA into alignment with College of Arts & Sciences rules that all majors must have 30 hours. Impact on other units: Crosslisted with ANTH 496. Financial impact: None.

REVISE AFRICANA STUDIES MINOR**Select 9 hours:**

Drop:

AFST 496 - Biology of Human Variability

Rationale: Primary department dropped course. Impact on other units: Crosslisted with ANTH 496. Financial impact: None.

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, AMERICAN STUDIES CONCENTRATION

Mark Hulsether, Religious Studies, Chair

American Studies is a shorthand term for the cross-disciplinary study of culture and society in North America. Students in the field explore issues of racial and ethnic difference, structures of power, the arts, historical change, media and politics, sexuality and gender, social movements, material culture, and the role of the United States in larger global contexts. They do so drawing creatively on methods and approaches from several disciplines. UTK's American Studies faculty represents more than a dozen different departments. Majors and minors take our introductory course (AMST 310) and then select from a long list of approved classes to develop a breadth of knowledge and depth of focus in their specific area of interest. Courses in the concentration will be chosen in consultation with an American studies advisor, from a list approved by the program, in such a way that at least three courses help the student achieve a focus within the field. An additional 3 to 6 hours of AMST 493 Independent Study are recommended for majors in their senior year. All majors and prospective majors should contact the chair of the program.

Prerequisites**Complete:**

AMST 310 - Introduction to American Studies

ENGL 231 - American Literature I: Colonial Era to the Civil War

Select one course:**Select two courses:**

ENGL 231 - American Literature I: Colonial Era to the Civil War

ENGL 232 - American Literature II: Civil War to the Present

ENGL 233 - Major Black Writers

HIST 221 - History of the United States

HIST 222 - History of the United States

REST 233 - Religion and Society in North America

Concentration Requirements**Select one upper-division American literature course:**

ENGL 435 - American Fiction to 1900 American Novel before 1900

Select 15 additional upper-division credit hours:

AMST 450 - Senior Seminar in Interdisciplinary American Studies

Rationale: Reflects recent title changes and corrects error in October 2012 minutes. Impact on other units: None. Financial impact: None.

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, ASIAN STUDIES CONCENTRATION

The Asian Studies concentration consists of **30 26 credit hours** from the upper-division courses of Asian studies and approved departmental offerings.

College Requirements

Arts and Sciences

Concentration Requirements

Select one geographical-cultural area (China, Islamic World, Japan, South Asia) listed below:

I. China (30 26 hours)**Corequisites:**

CHIN ASLN 231 - Intermediate Chinese I *

CHIN ASLN 232 - Intermediate Chinese II *

Select 6 hours (Subdivision A):

ARCH 412 - Non-Western and Indigenous Architecture

ARTH 413 - Art of China I

ARTH 414 - Art of China II

ARTH 416 - Chinese Art of the 20th and 21st Centuries

CHIN ASLN 311 - Chinese Literature in English Translation

CHIN ASLN 331 - Advanced Chinese I

CHIN ASLN 332 - Advanced Chinese II

CHIN ASLN 431 - Readings in Chinese Literature

REST 379 - Religions and Philosophies of China

REST 380 - ~~Buddhism in the Americas~~ East-Asian Buddhism in Asia and North America
REST 384 - Zen Buddhism

Select 6 hours (Subdivision B):

GEOG 374 - Geography of East Asia
HIST 389 - History of China
HIST 390 - History of China
HIST 391 - ~~Modern~~ Chinese Intellectual History
~~HIST 394 - Chinese Intellectual History: Early Times~~
~~HIST 495 - Modern China in Film~~
POLS 454 - Government and Politics of China and Japan

Select 6 hours (other geographical--cultural area):

ARTH 411 - Art of South and Southeast Asia
ARTH 419 - Art of Japan
~~ASLN 313 - Japanese Literature in English Translation~~
~~ASLN 314 - Japanese Literature in English Translation~~
~~ASLN 351 - Advanced Japanese I~~
~~ASLN 352 - Advanced Japanese II~~
~~ASLN 413 - Topics in Japanese Literature~~
~~ASLN 451 - Readings in Pre-Modern Japanese Literature~~
~~ASLN 452 - Readings in Modern Japanese Literature~~
GEOG 375 - Geography of South Asia
HIST 369 - History of the Middle East
HIST 370 - History of the Middle East
HIST 392 - History of Pre-Modern Japan
~~HIST 494 - History of Tokyo, 1590-Present~~
JAPA 313 - Japanese Literature in English Translation
JAPA 314 - Japanese Literature in English Translation
JAPA 351 - Advanced Japanese I
JAPA 352 - Advanced Japanese II
JAPA 413 - Topics in Japanese Literature
JAPA 451 - Readings in Pre-Modern Japanese Literature
JAPA 452 - Readings in Modern Japanese Literature
POLS 463 - Contemporary Middle East Politics
REST 332 - Classical Islam
REST 333 - Islam in the Modern World
~~REST 334 - Shari'a: Islamic Law and Ethics~~
REST 374 - Hindu Traditions
REST 375 - Theravada Buddhism
~~REST 382 - Religion and Culture in Southeast Asia~~
REST 383 - Religions of Japan

Select ~~12~~ 8 remaining hours:

any Asian Studies 300-level or above courses
~~ARCH 412 - Non-Western and Indigenous Architecture~~
ARTH 411 - Art of South and Southeast Asia
ARTH 413 - Art of China I
ARTH 414 - Art of China II
ARTH 416 - Chinese Art of the 20th and 21st Centuries
ARTH 419 - Art of Japan
~~CHIN ASLN 311 - Chinese Literature in English Translation~~
~~CHIN ASLN 331 - Advanced Chinese I~~
~~CHIN ASLN 332 - Advanced Chinese II~~
~~CHIN ASLN 431 - Readings in Chinese Literature~~
~~ASLN 313 - Japanese Literature in English Translation~~
~~ASLN 314 - Japanese Literature in English Translation~~
~~ASLN 315 - Asian Film~~
~~ASLN 321 - Japanese Graphic Novels and Animation~~
~~ASLN 351 - Advanced Japanese I~~
~~ASLN 352 - Advanced Japanese II~~
~~ASLN 413 - Topics in Japanese Literature~~
~~ASLN 451 - Readings in Pre-Modern Japanese Literature~~
~~ASLN 452 - Readings in Modern Japanese Literature~~
GEOG 374 - Geography of East Asia
~~GEOG 375 - Geography of South Asia~~
HIST 369 - History of the Middle East
HIST 370 - History of the Middle East
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 Asian History~~
~~HIST 494 – History of Tokyo, 1590-Present~~
~~HIST 495 – Modern China in Film~~
JAPA 313 - Japanese Literature in English Translation
JAPA 314 - Japanese Literature in English Translation
JAPA 315 - Asian Film
JAPA 321 - Japanese Graphic Novels and Animation
JAPA 351 - Advanced Japanese I
JAPA 352 - Advanced Japanese II
JAPA 413 - Topics in Japanese Literature
JAPA 451 - Readings in Pre-Modern Japanese Literature
JAPA 452 - Readings in Modern Japanese Literature
POLS 454 - Government and Politics of China and Japan
POLS 463 - Contemporary Middle East Politics
REST 332 - Classical Islam
REST 333 - Islam in the Modern World
~~REST 334 – Shari'a: Islamic Law and Ethics~~
REST 374 - Hindu Traditions
REST 375 - Theravada Buddhism
REST 376 - Buddhism in South and Southeast Asia
REST 379 - Religions ~~and Philosophies~~ of China
REST 380 - ~~Buddhism in the Americas~~ East-Asian Buddhism in Asia and North America
~~REST 382 – Religion and Culture in Southeast Asia~~
REST 383 - Religions of Japan
REST 384 - Zen Buddhism
~~REST 476 – Religion, Culture, and Power in Contemporary Asia~~

II. Islamic World (30 ~~26~~ hours)

Corequisites:

ASST 221 - Intermediate Modern Standard Arabic I *
ASST 222 - Intermediate Modern Standard Arabic II *
or
ASST 261 - Intermediate Persian I *
ASST 262 - Intermediate Persian II *

Select 6 hours (Subdivision A):

REST 332 - Classical Islam
REST 333 - Islam in the Modern World
~~REST 334 – Shari'a: Islamic Law and Ethics~~

Select 6 hours (Subdivision B):

HIST 369 - History of the Middle East
HIST 370 - History of the Middle East
POLS 463 - Contemporary Middle East Politics

Select 6 hours (other geographical--cultural area):

~~ARCH 412 – Non-Western and Indigenous Architecture~~
ARTH 411 - Art of South and Southeast Asia
ARTH 413 - Art of China I
ARTH 414 - Art of China II
ARTH 416 - Chinese Art of the 20th and 21st Centuries
ARTH 419 - Art of Japan
~~CHIN ASLN 311 - Chinese Literature in English Translation~~
~~CHIN ASLN 331 - Advanced Chinese I~~
~~CHIN ASLN 332 - Advanced Chinese II~~
~~CHIN ASLN 431 - Readings in Chinese Literature~~
~~ASLN 313 – Japanese Literature in English Translation~~
~~ASLN 314 – Japanese Literature in English Translation~~
~~ASLN 315 – Asian Film~~
~~ASLN 321 – Japanese Graphic Novels and Animation~~
~~ASLN 351 – Advanced Japanese I~~
~~ASLN 352 – Advanced Japanese II~~
~~ASLN 413 – Topics in Japanese Literature~~
~~ASLN 451 – Readings in Pre-Modern Japanese Literature~~
~~ASLN 452 – Readings in Modern Japanese Literature~~

GEOG 374 - Geography of East Asia
~~GEOG 375 – Geography of South Asia~~
 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 395 – The Crusades and Medieval Christian-Muslim Relations~~
 JAPA 313 - Japanese Literature in English Translation
 JAPA 314 - Japanese Literature in English Translation
 JAPA 321 - Japanese Graphic Novels and Animation
 JAPA 351 - Advanced Japanese I
 JAPA 352 - Advanced Japanese II
 JAPA 413 - Topics in Japanese Literature
 JAPA 451 - Readings in Pre-Modern Japanese Literature
 JAPA 452 - Readings in Modern Japanese Literature
 POLS 454 - Government and Politics of China and Japan
 REST 374 - Hindu Traditions
 REST 375 - Theravada Buddhism
 REST 376 - Buddhism in South and Southeast Asia
 REST 379 - Religions ~~and Philosophies~~ of China
 REST 380 - ~~Buddhism in the Americas~~ ~~East-Asian Buddhism in Asia and North America~~
~~REST 382 – Religion and Culture in Southeast Asia~~
 REST 383 - Religions of Japan
 REST 384 - Zen Buddhism

Select ~~12~~ 8 remaining hours:

any Asian Studies 300-level or above courses
~~ARCH 412 – Non-Western and Indigenous Architecture~~
 ARTH 411 - Art of South and Southeast Asia
 ARTH 413 - Art of China I
 ARTH 414 - Art of China II
 ARTH 416 - Chinese Art of the 20th and 21st Centuries
 ARTH 419 - Art of Japan
~~CHIN ASLN 311 - Chinese Literature in English Translation~~
~~CHIN ASLN 331 – Advanced Chinese I~~
~~CHIN ASLN 332 - Advanced Chinese II~~
~~CHIN ASLN 431 - Readings in Chinese Literature~~
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 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 Asian History~~
~~HIST 494 – History of Tokyo, 1590-Present~~
~~HIST 495 – Modern China in Film~~
 JAPA 313 - Japanese Literature in English Translation
 JAPA 314 - Japanese Literature in English Translation
 JAPA 315 - Asian Film
 JAPA 321 - Japanese Graphic Novels and Animation
 JAPA 351 - Advanced Japanese I
 JAPA 352 - Advanced Japanese II
 JAPA 413 - Topics in Japanese Literature
 JAPA 451 - Readings in Pre-Modern Japanese Literature
 JAPA 452 - Readings in Modern Japanese Literature

POLS 454 - Government and Politics of China and Japan
POLS 463 - Contemporary Middle East Politics
REST 332 - Classical Islam
REST 333 - Islam in the Modern World
~~REST 334 – Shari'a: Islamic Law and Ethics~~
REST 374 - Hindu Traditions
REST 375 - Theravada Buddhism
REST 376 - Buddhism in South and Southeast Asia
REST 379 - Religions ~~and Philosophies~~ of China
REST 380 - ~~Buddhism in the Americas~~ ~~East Asian Buddhism in Asia and North America~~
~~REST 382 – Religion and Culture in Southeast Asia~~
REST 383 - Religions of Japan
REST 384 - Zen Buddhism
~~REST 476 – Religion, Culture, and Power in Contemporary Asia~~

III. Japan (30 26 hours)

Corequisites:

~~JAPA ASLN~~ 251 - Intermediate Japanese I *
~~JAPA ASLN~~ 252 - Intermediate Japanese II *

Select 6 hours (Subdivision A):

~~ARCH 412 – Non-Western and Indigenous Architecture~~
ARTH 419 - Art of Japan
~~JAPA ASLN~~ 313 - Japanese Literature in English Translation
~~JAPA ASLN~~ 314 - Japanese Literature in English Translation
~~JAPA ASLN~~ 321 - Japanese Graphic Novels and Animation
~~JAPA ASLN~~ 351 - Advanced Japanese I
~~JAPA ASLN~~ 352 - Advanced Japanese II
~~JAPA ASLN~~ 413 - Topics in Japanese Literature
~~JAPA ASLN~~ 451 - Readings in Pre-Modern Japanese Literature
~~JAPA ASLN~~ 452 - Readings in Modern Japanese Literature
REST 380 - East Asian Buddhism in Asia and North America
REST 383 - Religions of Japan

Select 6 hours (Subdivision B):

GEOG 374 - Geography of East Asia
HIST 392 - History of Pre-Modern Japan
~~HIST 393 – History of Modern Japan~~
~~HIST 394 – Chinese Intellectual History: Early Times~~
POLS 454 - Government and Politics of China and Japan

Select 6 hours (other geographical--cultural area):

ARTH 411 - Art of South and Southeast Asia
ARTH 413 - Art of China I
ARTH 414 - Art of China II
ARTH 416 - Chinese Art of the 20th and 21st Centuries
~~CHIN ASLN~~ 311 - Chinese Literature in English Translation
~~CHIN ASLN~~ 331 – Advanced Chinese I
~~CHIN ASLN~~ 332 - Advanced Chinese II
~~CHIN ASLN~~ 431 - Readings in Chinese Literature
~~GEOG 375 – Geography of South Asia~~
HIST 369 - History of the Middle East
HIST 370 - History of the Middle East
HIST 389 - History of China
HIST 390 - History of China
HIST 391 – ~~Modern~~ Chinese Intellectual History
~~HIST 394 – Chinese Intellectual History: Early Times~~
~~HIST 495 – Modern China in Film~~
POLS 463 - Contemporary Middle East Politics
REST 332 - Classical Islam
REST 333 - Islam in the Modern World
~~REST 334 – Shari'a: Islamic Law and Ethics~~
REST 374 - Hindu Traditions
REST 375 - Theravada Buddhism
REST 379 - Religions ~~and Philosophies~~ of China
~~REST 382 – Religion and Culture in Southeast Asia~~
REST 384 - Zen Buddhism

Select **12 8** remaining hours:

any Asian Studies 300-level or above courses

~~ARCH 412 – Non-Western and Indigenous Architecture~~

ARTH 411 - Art of South and Southeast Asia

ARTH 413 - Art of China I

ARTH 414 - Art of China II

ARTH 416 - Chinese Art of the 20th and 21st Centuries

ARTH 419 - Art of Japan

~~CHIN ASLN 311 - Chinese Literature in English Translation~~

~~CHIN ASLN 331 – Advanced Chinese I~~

~~CHIN ASLN 332 - Advanced Chinese II~~

~~CHIN ASLN 431 - Readings in Chinese Literature~~

~~ASLN 313 – Japanese Literature in English Translation~~

~~ASLN 314 – Japanese Literature in English Translation~~

~~ASLN 315 – Asian Film~~

~~ASLN 321 – Japanese Graphic Novels and Animation~~

~~ASLN 351 – Advanced Japanese I~~

~~ASLN 352 – Advanced Japanese II~~

~~ASLN 413 – Topics in Japanese Literature~~

~~ASLN 451 – Readings in Pre-Modern Japanese Literature~~

~~ASLN 452 – Readings in Modern Japanese Literature~~

GEOG 374 - Geography of East Asia

~~GEOG 375 – Geography of South Asia~~

HIST 369 - History of the Middle East

HIST 370 - History of the Middle East

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 Asian History~~

~~HIST 494 – History of Tokyo, 1590-Present~~

~~HIST 495 – Modern China in Film~~

~~JAPA 313 - Japanese Literature in English Translation~~

~~JAPA 314 - Japanese Literature in English Translation~~

~~JAPA 315 - Asian Film~~

~~JAPA 321 - Japanese Graphic Novels and Animation~~

~~JAPA 351 - Advanced Japanese I~~

~~JAPA 352 - Advanced Japanese II~~

~~JAPA 413 - Topics in Japanese Literature~~

~~JAPA 451 - Readings in Pre-Modern Japanese Literature~~

~~JAPA 452 - Readings in Modern Japanese Literature~~

POLS 454 - Government and Politics of China and Japan

POLS 463 - Contemporary Middle East Politics

REST 332 - Classical Islam

REST 333 - Islam in the Modern World

~~REST 334 – Shari'a: Islamic Law and Ethics~~

REST 374 - Hindu Traditions

REST 375 - Theravada Buddhism

REST 376 - Buddhism in South and Southeast Asia

REST 379 - Religions ~~and Philosophies~~ of China

REST 380 - ~~Buddhism in the Americas~~ East Asian Buddhism in Asia and North America

~~REST 382 – Religion and Culture in Southeast Asia~~

REST 383 - Religions of Japan

REST 384 - Zen Buddhism

~~REST 476 – Religion, Culture, and Power in Contemporary Asia~~

IV. South Asia (30 26 hours)

Corequisites:

Competency in a language through the intermediate level may be demonstrated through a proficiency exam/petition process.

Select 6 hours (Subdivision A):

~~ARCH 412 – Non-Western and Indigenous Architecture~~

ARTH 411 - Art of South and Southeast Asia

REST 374 - Hindu Traditions

REST 376 - Buddhism in South and Southeast Asia

Select 6 hours (Subdivision B):

GEOG 375 – Geography of South Asia

REST 375 - Theravada Buddhism

Select 6 hours (other geographical--cultural area):

ARTH 413 - Art of China I
ARTH 414 - Art of China II
ARTH 416 - Chinese Art of the 20th and 21st Centuries
ARTH 419 - Art of Japan
~~CHIN ASLN 311 - Chinese Literature in English Translation~~
~~CHIN ASLN 331 - Advanced Chinese I~~
~~CHIN ASLN 332 - Advanced Chinese II~~
~~CHIN ASLN 431 - Readings in Chinese Literature~~
~~ASLN 313 - Japanese Literature in English Translation~~
~~ASLN 314 - Japanese Literature in English Translation~~
~~ASLN 321 - Japanese Graphic Novels and Animation~~
~~ASLN 351 - Advanced Japanese I~~
~~ASLN 352 - Advanced Japanese II~~
~~ASLN 413 - Topics in Japanese Literature~~
~~ASLN 451 - Readings in Pre-Modern Japanese Literature~~
~~ASLN 452 - Readings in Modern Japanese Literature~~
HIST 369 - History of the Middle East
HIST 370 - History of the Middle East
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 494 - History of Tokyo, 1590-Present~~
~~HIST 495 - Modern China in Film~~
JAPA 313 - Japanese Literature in English Translation
JAPA 314 - Japanese Literature in English Translation
JAPA 321 - Japanese Graphic Novels and Animation
JAPA 351 - Advanced Japanese I
JAPA 352 - Advanced Japanese II
JAPA 413 - Topics in Japanese Literature
JAPA 451 - Readings in Pre-Modern Japanese Literature
JAPA 452 - Readings in Modern Japanese Literature
POLS 454 - Government and Politics of China and Japan
POLS 463 - Contemporary Middle East Politics
REST 332 - Classical Islam
REST 333 - Islam in the Modern World
~~REST 334 - Shari'a: Islamic Law and Ethics~~
REST 379 - Religions ~~and Philosophies~~ of China
REST 380 - ~~Buddhism in the Americas~~ ~~East Asian Buddhism in Asia and North America~~
REST 383 - Religions of Japan
REST 384 - Zen Buddhism

Select 12 8 remaining hours:

any Asian Studies 300-level or above courses
~~ARCH 412 - Non-Western and Indigenous Architecture~~
ARTH 411 - Art of South and Southeast Asia
ARTH 413 - Art of China I
ARTH 414 - Art of China II
ARTH 416 - Chinese Art of the 20th and 21st Centuries
ARTH 419 - Art of Japan
~~CHIN ASLN 311 - Chinese Literature in English Translation~~
~~CHIN ASLN 331 - Advanced Chinese I~~
~~CHIN ASLN 332 - Advanced Chinese II~~
~~CHIN ASLN 431 - Readings in Chinese Literature~~
~~ASLN 313 - Japanese Literature in English Translation~~
~~ASLN 314 - Japanese Literature in English Translation~~
~~ASLN 315 - Asian Film~~
~~ASLN 321 - Japanese Graphic Novels and Animation~~
~~ASLN 351 - Advanced Japanese I~~
~~ASLN 352 - Advanced Japanese II~~
~~ASLN 413 - Topics in Japanese Literature~~
~~ASLN 451 - Readings in Pre-Modern Japanese Literature~~
~~ASLN 452 - Readings in Modern Japanese Literature~~
GEOG 374 - Geography of East Asia
~~GEOG 375 - Geography of South Asia~~
HIST 369 - History of the Middle East

HIST 370 - History of the Middle East
 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 Asian History~~
~~HIST 494 – History of Tokyo, 1590-Present~~
~~HIST 495 – Modern China in Film~~
~~JAPA 313 - Japanese Literature in English Translation~~
~~JAPA 314 - Japanese Literature in English Translation~~
~~JAPA 315 - Asian Film~~
~~JAPA 321 - Japanese Graphic Novels and Animation~~
~~JAPA 351 - Advanced Japanese I~~
~~JAPA 352 - Advanced Japanese II~~
~~JAPA 413 - Topics in Japanese Literature~~
~~JAPA 451 - Readings in Pre-Modern Japanese Literature~~
~~JAPA 452 - Readings in Modern Japanese Literature~~
 POLS 454 - Government and Politics of China and Japan
 POLS 463 - Contemporary Middle East Politics
 REST 332 - Classical Islam
 REST 333 - Islam in the Modern World
~~REST 334 – Shari'a: Islamic Law and Ethics~~
 REST 374 - Hindu Traditions
 REST 375 - Theravada Buddhism
 REST 376 - Buddhism in South and Southeast Asia
 REST 379 - Religions ~~and Philosophies~~ of China
 REST 380 - ~~Buddhism in the Americas~~ ~~East-Asian Buddhism in Asia and North America~~
~~REST 382 – Religion and Culture in Southeast Asia~~
 REST 383 - Religions of Japan
 REST 384 - Zen Buddhism
~~REST 476 – Religion, Culture, and Power in Contemporary Asia~~

Rationale: The Asian Languages courses are being dropped and the primary listings put into Chinese and Japanese. We are also bringing the major up to 30 hours since all Arts and Sciences must now be at least 30 hours. Impact on other units: None. Financial impact: None.

REVISE ASIAN STUDIES MINOR

The Asian studies minor consists of **15 credit hours** at the 200 level and above.

Minor Requirements

Complete Section I (China), Section II (The Islamic World), Section III (Japan), or Section IV (South Asia).

I. China

Select 6 hours (Subdivision A):

~~ARCH 412 – Non-Western and Indigenous Architecture~~
 ARTH 413 - Art of China I
 ARTH 414 - Art of China II
 ARTH 416 - Chinese Art of the 20th and 21st Centuries
~~CHIN ASLN 311 - Chinese Literature in English Translation~~
~~CHIN ASLN 331 - Advanced Chinese I~~
~~CHIN ASLN 332 - Advanced Chinese II~~
~~CHIN ASLN 431 - Readings in Chinese Literature~~
 REST 379 - Religions ~~and Philosophies~~ of China
 REST 380 - ~~Buddhism in the Americas~~ ~~East-Asian Buddhism in Asia and North America~~
 REST 384 - Zen Buddhism

Select 6 hours (Subdivision B):

GEOG 374 - Geography of East Asia
 HIST 389 - History of China
 HIST 390 - History of China
 HIST 391 – ~~Modern~~ Chinese Intellectual History
~~HIST 394 – Chinese Intellectual History: Early Times~~
~~HIST 495 – Modern China in Film~~
 POLS 454 - Government and Politics of China and Japan

Select 3 hours (other geographical-cultural area):

ARTH 411 - Art of South and Southeast Asia
ARTH 419 - Art of Japan
~~ASLN 313—Japanese Literature in English Translation~~
~~ASLN 314—Japanese Literature in English Translation~~
~~ASLN 351—Advanced Japanese I~~
~~ASLN 352—Advanced Japanese II~~
~~ASLN 413—Topics in Japanese Literature~~
~~ASLN 451—Readings in Pre-Modern Japanese Literature~~
~~ASLN 452—Readings in Modern Japanese Literature~~
GEOG 375 – Geography of South Asia
HIST 369 - History of the Middle East
HIST 370 - History of the Middle East
HIST 392 - History of Pre-Modern Japan
HIST 494 – History of Tokyo, 1590-Present
JAPA 313 - Japanese Literature in English Translation
JAPA 314 - Japanese Literature in English Translation
JAPA 351 - Advanced Japanese I
JAPA 352 - Advanced Japanese II
JAPA 413 - Topics in Japanese Literature
JAPA 451 - Readings in Pre-Modern Japanese Literature
JAPA 452 - Readings in Modern Japanese Literature
POLS 463 - Contemporary Middle East Politics
REST 332 - Classical Islam
REST 333 - Islam in the Modern World
~~REST 334 – Shari'a: Islamic Law and Ethics~~
REST 374 - Hindu Traditions
REST 375 - Theravada Buddhism
~~REST 382 – Religion and Culture in Southeast Asia~~
REST 383 - Religions of Japan

II. Islamic World

Select 6 hours (Subdivision A):

REST 332 - Classical Islam
REST 333 - Islam in the Modern World
~~REST 334 – Shari'a: Islamic Law and Ethics~~

Select 6 hours (Subdivision B):

HIST 369 - History of the Middle East
HIST 370 - History of the Middle East
POLS 463 - Contemporary Middle East Politics

Select 3 hours (other geographical-cultural area):

~~ARCH 412—Non-Western and Indigenous Architecture~~
ARTH 411 - Art of South and Southeast Asia
ARTH 413 - Art of China I
ARTH 414 - Art of China II
ARTH 416 - Chinese Art of the 20th and 21st Centuries
ARTH 419 - Art of Japan
~~CHIN ASLN 311 - Chinese Literature in English Translation~~
~~CHIN ASLN 331 - Advanced Chinese I~~
~~CHIN ASLN 332 - Advanced Chinese II~~
~~CHIN ASLN 431 - Readings in Chinese Literature~~
~~ASLN 313—Japanese Literature in English Translation~~
~~ASLN 314—Japanese Literature in English Translation~~
~~ASLN 315—Asian Film~~
~~ASLN 321—Japanese Graphic Novels and Animation~~
~~ASLN 351—Advanced Japanese I~~
~~ASLN 352—Advanced Japanese II~~
~~ASLN 413—Topics in Japanese Literature~~
~~ASLN 451—Readings in Pre-Modern Japanese Literature~~
~~ASLN 452—Readings in Modern Japanese Literature~~
GEOG 374 - Geography of East Asia
GEOG 375 – Geography of South Asia
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 395 – The Crusades and Medieval Christian-Muslim Relations~~

JAPA 313 - Japanese Literature in English Translation
JAPA 314 - Japanese Literature in English Translation
JAPA 321 - Japanese Graphic Novels and Animation
JAPA 351 - Advanced Japanese I
JAPA 352 - Advanced Japanese II
JAPA 413 - Topics in Japanese Literature
JAPA 451 - Readings in Pre-Modern Japanese Literature
JAPA 452 - Readings in Modern Japanese Literature
POLS 454 - Government and Politics of China and Japan
REST 374 - Hindu Traditions
REST 375 - Theravada Buddhism
REST 376 - Buddhism in South and Southeast Asia
REST 379 - Religions ~~and Philosophies~~ of China
REST 380 - ~~Buddhism in the Americas~~ East-Asian Buddhism in Asia and North America
~~REST 382 - Religion and Culture in Southeast Asia~~
REST 383 - Religions of Japan
REST 384 - Zen Buddhism

III. Japan

Select 6 hours (Subdivision A):

~~ARCH 412 - Non-Western and Indigenous Architecture~~
ARTH 419 - Art of Japan
JAPA ASLN 313 - Japanese Literature in English Translation
JAPA ASLN 314 - Japanese Literature in English Translation
JAPA ASLN 321 - Japanese Graphic Novels and Animation
JAPA ASLN 351 - Advanced Japanese I
JAPA ASLN 352 - Advanced Japanese II
JAPA ASLN 413 - Topics in Japanese Literature
JAPA ASLN 451 - Readings in Pre-Modern Japanese Literature
JAPA ASLN 452 - Readings in Modern Japanese Literature
REST 380 - ~~Buddhism in the Americas~~ East-Asian Buddhism in Asia and North America
REST 383 - Religions of Japan

Select 6 hours (Subdivision B):

GEOG 374 - Geography of East Asia
HIST 392 - History of Pre-Modern Japan
~~HIST 393 - History of Modern Japan~~
~~HIST 394 - Chinese Intellectual History: Early Times~~
POLS 454 - Government and Politics of China and Japan

Select 3 hours (other geographical-cultural area):

ARTH 411 - Art of South and Southeast Asia
ARTH 413 - Art of China I
ARTH 414 - Art of China II
ARTH 416 - Chinese Art of the 20th and 21st Centuries
CHIN ASLN 311 - Chinese Literature in English Translation
CHIN ASLN 331 - Advanced Chinese I
CHIN ASLN 332 - Advanced Chinese II
CHIN ASLN 431 - Readings in Chinese Literature
GEOG 375 - ~~Geography of South Asia~~
HIST 369 - History of the Middle East
HIST 370 - History of the Middle East
HIST 389 - History of China
HIST 390 - History of China
HIST 391 - ~~Modern~~ Chinese Intellectual History
~~HIST 394 - Chinese Intellectual History: Early Times~~
~~HIST 495 - Modern China in Film~~
POLS 463 - Contemporary Middle East Politics
REST 332 - Classical Islam
REST 333 - Islam in the Modern World
~~REST 334 - Shari'a: Islamic Law and Ethics~~
REST 374 - Hindu Traditions
REST 375 - Theravada Buddhism
REST 379 - Religions ~~and Philosophies~~ of China
~~REST 382 - Religion and Culture in Southeast Asia~~
REST 384 - Zen Buddhism

IV. South Asia

Select 6 hours (Subdivision A):

~~ARCH 412 - Non-Western and Indigenous Architecture~~

ARTH 411 - Art of South and Southeast Asia
 REST 374 - Hindu Traditions
 REST 376 - Buddhism in South and Southeast Asia

Select 6 hours (Subdivision B):

GEOG 375 – Geography of South Asia
 REST 375 - Theravada Buddhism

Select 3 hours (other geographical-cultural area):

ARTH 413 - Art of China I
 ARTH 414 - Art of China II
 ARTH 416 - Chinese Art of the 20th and 21st Centuries
 ARTH 419 - Art of Japan
~~CHIN ASLN 311 - Chinese Literature in English Translation~~
~~CHIN ASLN 331 – Advanced Chinese I~~
~~CHIN ASLN 332 - Advanced Chinese II~~
~~CHIN ASLN 431 - Readings in Chinese Literature~~
~~ASLN 313 – Japanese Literature in English Translation~~
~~ASLN 314 – Japanese Literature in English Translation~~
~~ASLN 321 – Japanese Graphic Novels and Animation~~
~~ASLN 351 – Advanced Japanese I~~
~~ASLN 352 – Advanced Japanese II~~
~~ASLN 413 – Topics in Japanese Literature~~
~~ASLN 451 – Readings in Pre-Modern Japanese Literature~~
~~ASLN 452 – Readings in Modern Japanese Literature~~
 HIST 369 - History of the Middle East
 HIST 370 - History of the Middle East
 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 494 – History of Tokyo, 1590-Present~~
~~HIST 495 – Modern China in Film~~
 JAPA 313 - Japanese Literature in English Translation
 JAPA 314 - Japanese Literature in English Translation
 JAPA 321 - Japanese Graphic Novels and Animation
 JAPA 351 - Advanced Japanese I
 JAPA 352 - Advanced Japanese II
 JAPA 413 - Topics in Japanese Literature
 JAPA 451 - Readings in Pre-Modern Japanese Literature
 JAPA 452 - Readings in Modern Japanese Literature
 POLS 454 - Government and Politics of China and Japan
 POLS 463 - Contemporary Middle East Politics
 REST 332 - Classical Islam
 REST 333 - Islam in the Modern World
~~REST 334 – Shari'a: Islamic Law and Ethics~~
 REST 379 - Religions ~~and Philosophies~~ of China
 REST 380 - ~~Buddhism in the Americas~~ ~~East Asian Buddhism in Asia and North America~~
 REST 383 - Religions of Japan
 REST 384 - Zen Buddhism

Rationale: The Asian Languages courses are being dropped and the primary listings put into Chinese and Japanese. Impact on other units: None.
 Financial impact: None.

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, COMPARATIVE LITERATURE CONCENTRATION

Concentration Requirements

Select 9 hours (300-level literature in a foreign language):

~~JAPA ASLN 451 - Readings in Pre-Modern Japanese Literature~~
~~JAPA ASLN 452 - Readings in Modern Japanese Literature~~
 GERM ~~321 301~~ - Introduction to German Literatures and Cultures I
 GERM ~~322 302~~ - Introduction to German Literatures and Cultures II
 GERM ~~325 305~~ - Readings in German

Select 9 hours (300-level literature):

~~JAPA ASLN 451 - Readings in Pre-Modern Japanese Literature~~

JAPA ASLN 452 - Readings in Modern Japanese Literature
GERM 321 304 - Introduction to German Literatures and Cultures I
GERM 322 302 - Introduction to German Literatures and Cultures II
GERM 325 305 - Readings in German

Rationale: The Asian Languages courses are being dropped and the primary listings put into Chinese and Japanese. German courses are being renumbered. Impact on other units: None. Financial impact: None.

REVISE COMPARATIVE LITERATURE MINOR

Minor Requirements

Select 6 hours (300-level literature in a foreign language):

JAPA ASLN 451 - Readings in Pre-Modern Japanese Literature
JAPA ASLN 452 - Readings in Modern Japanese Literature
GERM 321 304 - Introduction to German Literatures and Cultures I
GERM 322 302 - Introduction to German Literatures and Cultures II
GERM 325 305 - Readings in German

Select 6 hours (from different department):

JAPA ASLN 451 - Readings in Pre-Modern Japanese Literature
JAPA ASLN 452 - Readings in Modern Japanese Literature
GERM 321 304 - Introduction to German Literatures and Cultures I
GERM 322 302 - Introduction to German Literatures and Cultures II
GERM 325 305 - Readings in German

Rationale: The Asian Languages courses are being dropped and the primary listings put into Chinese and Japanese. German courses are being renumbered. Impact on other units: None. Financial impact: None.

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, GLOBAL STUDIES CONCENTRATION

Concentration Requirements

A. Select five courses from primary track and two courses from secondary track:

Track II – Global Politics and Economy

AREC 420 - International Agricultural Trade and Marketing
ECON 322 - The Global Economy: Trade and Development
ECON 421 - International Economics
FWF 420 - International Natural Resource Issues
PHIL 441 - Global Justice and Human Rights
POLS 265 - Introduction to International Relations
POLS 350 - Political Change in Developing Areas
~~POLS 365 - Introduction to International Relations~~
POLS 463 - Contemporary Middle East Politics
POLS 470 - International Law
POLS 471 - International Political Economy
POLS 474 - International Organization
RCS 421 - International Retailing
SOCI 442 - Comparative Poverty and Development
SOCI 446 - The Modern World System
WOST 360 - Women in Cross-Cultural Perspective

C. Select one course from Option I or II:

Option I:

ANTH 410 - Principles of Cultural Anthropology
GEOG 320 - Cultural Geography: Core Concepts
GEOG 340 - Economic Geography: Core Concepts
GEOG 415 - Quantitative Methods in Geography
PHIL 360 - Philosophy of Science
POLS 201 401 - Research Methods
REST 300 - Ways of Understanding Religion
SOCI 331 - Sociological Research

Option II:

Upper-Division Modern Foreign Language Courses Taught in the Language of Study

CHIN ASLN 331 – Advanced Chinese I
CHIN ASLN 332 - Advanced Chinese II

JAPA ASLN 351 - Advanced Japanese I
JAPA ASLN 352 - Advanced Japanese II
JAPA ASLN 451 - Readings in Pre-Modern Japanese Literature
JAPA ASLN 452 - Readings in Modern Japanese Literature

GERM 321 304 - Introduction to German Literatures and Cultures I
GERM 322 302 - Introduction to German Literatures and Cultures II
GERM 325 305 - Readings in German

Rationale: German and political sciences courses were renumbered. The Asian Languages courses are being dropped and the primary listings put into Chinese and Japanese. Impact on other units: None. Financial impact: None.

REVISE GLOBAL STUDIES MINOR

Required Courses

Select two courses:

Track II – Global Politics and Economy

AREC 420 - International Agricultural Trade and Marketing
ECON 322 - The Global Economy: Trade and Development
ECON 421 - International Economics
FWF 420 - International Natural Resource Issues
PHIL 441 - Global Justice and Human Rights
POLS 265 - Introduction to International Relations
POLS 350 - Political Change in Developing Areas
~~POLS 365 - Introduction to International Relations~~
POLS 463 - Contemporary Middle East Politics
POLS 470 - International Law
POLS 471 - International Political Economy
POLS 474 - International Organization
RCS 421 - International Retailing
SOCI 442 - Comparative Poverty and Development
SOCI 446 - The Modern World System
WOST 360 - Women in Cross-Cultural Perspective

Rationale: Course was renumbered. Impact on other units: None. Financial impact: None.

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, JUDAIC STUDIES CONCENTRATION

Concentration Requirements

Select 12 hours:

REST 320 - ~~Gender Women~~ and Religion

Rationale: Reflects recent title change. Impact on other units: None. Financial impact: None.

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, LINGUISTICS CONCENTRATION

Corequisites

Complete a two-semester sequence (non-Indo-European language):

ASL 111 - Elementary American Sign Language I
ASL 112 - Elementary American Sign Language II

CHIN ASLN 131 - Elementary Chinese I
CHIN ASLN 132 - Elementary Chinese II

JAPA ASLN 151 - Elementary Japanese I
JAPA ASLN 152 - Elementary Japanese II

ASST 121 - Elementary Modern Standard Arabic I
ASST 122 - Elementary Modern Standard Arabic II

ASST 141 - Elementary Modern Hebrew I
ASST 142 - Elementary Modern Hebrew II

REST 121 - Elementary Biblical Hebrew I
REST 122 - Elementary Biblical Hebrew II

or other non-Indo-European languages offered in a two-course sequence and approved by the Linguistics Committee.

Select 9 hours (in consultation with a linguistics advisor):

PSYC 400 – ~~Advanced~~ Cognitive Psychology: ~~Language and Symbolic Processes~~
THEA 326 – ~~Advanced~~ Voice and Speech ~~for the Stage Actor~~

Rationale: Asian Languages was dropped and replaced by Chinese and Japanese. Other revisions reflect recent title changes. The corequisites note was mistakenly omitted when the catalog transitioned from a print copy to an online only version, so it's being added back. Impact on other units: None. Financial impact: None.

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, MEDIEVAL AND RENAISSANCE STUDIES CONCENTRATION

Concentration Requirements

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

JAPA ASLN 451 - Readings in Pre-Modern Japanese Literature
ENGL 406 - ~~Shakespeare's Contemporaries I: Renaissance Drama~~ Renaissance Drama
ENGL 409 - ~~Shakespeare's Contemporaries II: Renaissance Poetry and Prose~~ Spenser and his Contemporaries
ENGL 410 - ~~Donne, Milton, and Their Contemporaries~~ Milton, Donne, and their Contemporaries

Rationale: Asian Languages was dropped and replaced by Chinese and Japanese. Impact on other units: None. Financial impact: None.

REVISE MEDIEVAL AND RENAISSANCE STUDIES MINOR

Minor Requirements

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

JAPA ASLN 451 - Readings in Pre-Modern Japanese Literature
ENGL 406 - ~~Shakespeare's Contemporaries I: Renaissance Drama~~ Renaissance Drama
ENGL 409 - ~~Shakespeare's Contemporaries II: Renaissance Poetry and Prose~~ Spenser and his Contemporaries
ENGL 410 - ~~Donne, Milton, and Their Contemporaries~~ Milton, Donne, and their Contemporaries

Rationale: Asian Languages was dropped and replaced by Chinese and Japanese. Other revisions reflect recent title changes. Impact on other units: None. Financial impact: None.

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, NEUROSCIENCE CONCENTRATION

College Requirements

Arts and Sciences

Prerequisites

Complete:

BIOL 150 – Organismal and Ecological Biology I*
BIOL 159 – Skills of Biological Investigation*
BIOL 160 – Cellular and Molecular Biology*
BIOL 130 – Biodiversity*
BIOL 140 – Organization and Function of the Cell*
BIOL 240 – General Genetics
CHEM 120 – General Chemistry I*
CHEM 130 – General Chemistry II*
CHEM 350 – Organic Chemistry I
CHEM 360 – Organic Chemistry II
CHEM 369 – Organic Chemistry Laboratory
PHYS 221 – Elements of Physics*
PHYS 222 – Elements of Physics*
PSYC 110 – General Psychology*
PSYC 210 – Biological Basis of Behavior

Select one sequence:

MATH 125 - Basic Calculus *
STAT 201 - Introduction to Statistics *

MATH 141 - Calculus I *
MATH 142 - Calculus II *

MATH 151 - Mathematics for the Life Sciences I *
MATH 152 - Mathematics for the Life Sciences II *

Select one course:

BCMB 311 – Advanced Cellular Biology
BCMB 401 – Biochemistry I

Neuroscience Concentration

The concentration consists of **31 30 hours**. Some courses may require prerequisites or corequisites that are not part of the neuroscience concentration.

I. Neuroscience Core**Complete 14 11 hours:**

BCMB 311 – Advanced Cellular Biology
BCMB 415 – Foundations in Neurobiology
INPG 200 – Introductory Interdisciplinary Topics (one offering for 1 hour)
INPG 400 – Advanced Interdisciplinary Topics (complete **2 4 hours**; one offering for **1 2 hours**; second offering for **1 2 additional hours**)
PHIL 345 – Bioethics

II. Laboratory Experience**Select 4 hours:****Drop:**

PSYC 493 – Independent Study

Add:

PSYC 489 – Supervised Research

III. Remaining Hours**Select 15 hours:****A. Behavioral and Cognitive Neuroscience:**

EEB 370 - Evolutionary Psychology and Ethology Ethology and Sociobiology
PSYC 400 – Advanced Cognitive Psychology: Language and Symbolic Processes

B. Integrative Neuroscience**Add:**

PSYC 301 – Foundations of Behavioral Neuroscience

Rationale: Biology courses are changing and need to be changed in prerequisites section. Psychology is dropping 210. We wish to have all prerequisites be LD courses so the upper division ones are being removed. BCMB 311 is being added to the major core as it relates directly to the neuroscience curriculum and provides a critical step in bridging the content of the intro biology courses and more advanced neuroscience courses so the section is not needed in prerequisites. Changes being made here bring the major to 31 rather than 30 hours. In discussion with faculty in Psychology it was deemed that PSYC 489 is a more appropriate lab experience than PSYC 493. The new PSYC 301 course meets the spirit of integrative neuroscience and should be added to that category. Impact on other units: None. Financial impact: None.

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, HONORS NEUROSCIENCE CONCENTRATION

1. Before applying to the Honors Neuroscience program, students must complete **BIOL 150, BIOL 159, BIOL 160, and PSYC 110** **BIOL 130, BIOL 140, PSYC 110, and PSYC 210** with an overall GPA of 3.5 or higher in these four courses.

Rationale: Primary department course numbers have changed. Impact on other units: None. Financial impact: None.

REVISE NEUROSCIENCE MINOR**I. Complete:**

BCMB 415 - Foundations in Neurobiology
INPG 200 - Introductory Interdisciplinary Topics (one offering for 1 hour)
INPG 400 - Advanced Interdisciplinary Topics (one offering for **1 2 hours**)
PSYC 210 – Biological Basis of Behavior

II.A. Select 6 hours (drawn from at least two of the three lists)**Behavioral and Cognitive Neuroscience:**

EEB 370 - Evolutionary Psychology and Ethology Ethology and Sociobiology
PSYC 400 – Advanced Cognitive Psychology: Language and Symbolic Processes

Integrative Neuroscience**Add:**

PSYC 301 – Foundations of Behavioral Neuroscience

II.B. Select 6 3 hours:

Behavioral and Cognitive Neuroscience:

EEB 370 - ~~Evolutionary Psychology and Ethology~~ ~~Ethology and Sociobiology~~
PSYC 400 - ~~Advanced~~ Cognitive Psychology: ~~Language and Symbolic Processes~~

Neuroscience Lab Experience**Drop:**

PSYC 493 – Independent Study

Add:

PSYC 489 – Supervised Research

Rationale: Psychology has dropped 210. PSYC 301 is a new course and has been approved for the neuroscience minor. Increased hours to keep the minor at 18 total hours (lost 3 hours with PSYC 210). In discussion with faculty in Psychology it was deemed that PSYC 489 is a more appropriate lab experience than PSYC 493. Impact on other units: None. Financial impact: None.

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, SUSTAINABILITY CONCENTRATION**Prerequisites (17-18 hours)****Select one course:**

~~BIOL 260 – Ecology~~
~~BIOL 269 – Ecology Field-Based Laboratory~~
~~BIOL 250 – General Ecology~~
FWF 250 - Conservation *

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, WOMEN'S STUDIES CONCENTRATION**Concentration Requirements****Select one course from each area:****Contemporary Issues**

WOST 320 – ~~Gender~~ ~~Women~~ and Religion

Rationale: Reflects recent title change. Impact on other units: None. Financial impact: None.

DEPARTMENT OF MATHEMATICS**◆ REVISE MATHEMATICS MAJOR (DROP 5TH YEAR MASTER OF SCIENCE OPTION)**

Rationale: Program is no longer available due to changes in the Business Analytics and Statistics department. Impact on other units: None. Financial Impact: None.

DEPARTMENT OF MICROBIOLOGY**REVISE BIOLOGICAL SCIENCES MAJOR, MICROBIOLOGY CONCENTRATION****Microbiology Concentration**

The concentration consists of 32 hours.

I. Complete:

CHEM 350 – Organic Chemistry I
CHEM 360 – Organic Chemistry II
CHEM 369 – Organic Chemistry Laboratory
BCMB 401 – Biochemistry I
MICR ~~321~~ ~~320~~ – Advanced Microbiology
MICR 329 – Advanced Microbiology Laboratory

II. Upper Division Courses**B: Select 6 additional hours:**

BCMB 311 – Advanced Cellular Biology
BCMB 321 – Introductory Plant Physiology
BCMB 330 – Mechanisms of Development
BCMB 402 – Biochemistry II
BCMB 412 – Molecular Biology and Genomics
BCMB 419 – Cellular and Comparative Biochemistry Laboratory
BCMB 420 – Advanced Topics in Biochemistry and Cellular and Molecular Biology
BCMB 422 – Computational Biology and Bioinformatics

BCMB 440 – General Physiology
 BCMB 471 – Biophysical Chemistry
~~BIOL 240 – General Genetics~~
~~BIOL 260 – Ecology~~
~~BIOL 280 – Evolution~~
 CBE 455 – Elements of Synthetic Biology and Metabolic Engineering
 CBE 475 – Applied Microbiology and Bioengineering
 EEB 404 – Ecosystem Ecology
 EEB 405 – Ecosystem Ecology Laboratory
 EEB 421 – Community Ecology
 EEB 426 – Plant-Animal Interactions
 EEB 470 – Aquatic Ecology
 EEB 495 – Evolutionary Ecology
 EPP 313 – Plant Pathology
 EPP 410 – Diseases and Insects of Ornamental Plants
 EPP 411 – Forest Insects and Diseases
 ESS 454 – Environmental Soil Biology
 FDST 429 – Food Microbiology Lab
 GEOL 461 – Organic Geochemistry
 MICR 330 – Immunology
 MICR 401 – Undergraduate Research in Microbiology
 MICR 402 – Advanced Undergraduate Research in Microbiology
 MICR 410 – Microbial Physiology
 MICR 411 – Microbial Genetics
 MICR 420 – Microbial Pathogenesis
 MICR 421 – Food Microbiology
 MICR 429 – Medical Microbiology Laboratory
 MICR 440 – Virology
 MICR 459 – Introduction to Oceanography
 MICR 470 – Microbial Ecology
 MICR 480 – Genomics and Bioinformatics
 MICR 493 – Independent Study
 MICR 495 – Senior Seminar: Perspectives in Microbiology
 PLSC 331 – Interpreting Research Findings
 PUBH 305 – Disease Epidemiology, Prevention, and Control

Note: Three credit hours from the following courses, if not previously taken as a prerequisite course, may be substituted for a List B course:

~~BCMB 230 - Human Physiology~~
~~BIOL 240 - General Genetics~~
~~BIOL 260 - Ecology~~
~~BIOL 280 - Evolution~~
~~EEB 240 - Human Anatomy~~

Rationale: The two additional courses are frequently taken by students in this major in fulfillment of requirements for pre-health programs and should be added here. Impact on other units: None. Financial impact: None.

DEPARTMENT OF MODERN FOREIGN LANGUAGES AND LITERATURES

REVISE DEPARTMENT TEXT (STUDY ABROAD, 2ND PARAGRAPH)

Students are also encouraged to study abroad, particularly through the university's International Student Exchange Programs in China, Germany, Russia, and Japan. The department can also recommend other programs for students interested in foreign study in any of our languages. Credits from recognized foreign-study programs can readily be transferred to the University of Tennessee, Knoxville. For qualified students, the department also offers ~~CHIN 491~~, ~~ASLN 491~~, GERM 491, ~~JAPA 491~~, and RUSS 491. Students should consult the department before registering for these foreign study courses.

Rationale: These changes are to correct the language names since the courses are now Chinese and Japanese instead of Asian Languages. Impact on other units: None. Financial impact: None.

REVISE MODERN FOREIGN LANGUAGES AND LITERATURES MAJOR, CHINESE LANGUAGE AND WORLD BUSINESS CONCENTRATION

I. Language Requirement: Chinese – 27 hours

A. Complete:

~~CHIN ASLN~~ 231 – Intermediate Chinese I*
~~CHIN ASLN~~ 232 – Intermediate Chinese II*
~~CHIN ASLN~~ 331 – Advanced Chinese I

~~CHIN ASLN~~ 332 – Advanced Chinese II

B. Select 9 hours:

~~CHIN ASLN~~ 311 - Chinese Literature in English Translation

~~ASLN 315—Asian Film~~

HIST 389 - History of China

HIST 390 - History of China

HIST 391 - Chinese Intellectual History

HIST 476 - Studies in Asian History

POLS 454 - Government and Politics of China and Japan

REST 376 - Buddhism in South and Southeast Asia

REST 379 - Religions ~~and Philosophies~~ of China

II. Practical Experience – 3 hours

Select 3 hours from:

~~CHIN ASLN~~ 490 – Chinese ~~and Japanese~~ Internship

~~CHIN ASLN~~ 491 – Chinese ~~and Japanese~~ Foreign Study

Rationale: These changes are to correct the language names since the courses are now Chinese and Japanese instead of Asian Languages. Impact on other units: None. Financial impact: None.

REVISE CHINESE MINOR

Minor Requirements

The minor consists of **17 hours**.

Prerequisites

~~CHIN ASLN~~ 231 - Intermediate Chinese I*

~~CHIN ASLN~~ 232 - Intermediate Chinese II* (or equivalents)

Required Courses

Complete:

~~CHIN ASLN~~ 331 - Advanced Chinese I

~~CHIN ASLN~~ 332 - Advanced Chinese II

Select 9 hours:

~~CHIN ASLN~~ 311 - Chinese Literature in English Translation

or other 300-400 level Chinese courses

Rationale: These changes are to correct the language names since the courses are now Chinese and Japanese instead of Asian Languages. Impact on other units: None. Financial impact: None.

REVISE MODERN FOREIGN LANGUAGES AND LITERATURES MAJOR, GERMAN STUDIES CONCENTRATION

Prerequisites

GERM ~~211 201~~ - Intermediate German I *

GERM ~~212 202~~ - Intermediate German II * (or equivalent)

German Studies Concentration

Select four literature, culture, arts courses:

GERM ~~321 304~~ - Introduction to German Literatures and Cultures I

GERM ~~322 302~~ - Introduction to German Literatures and Cultures II

GERM ~~325 305~~ - Readings in German

Rationale: Courses have been renumbered. Impact on other units: None. Financial impact: None.

REVISE MODERN FOREIGN LANGUAGES AND LITERATURES MAJOR, GERMAN LANGUAGE AND LITERATURE CONCENTRATION

Prerequisites

GERM ~~211 201~~ - Intermediate German I *

GERM ~~212 202~~ - Intermediate German II * (or equivalent)

Language and Literature Concentration

Complete:

GERM ~~321~~ ~~304~~ - Introduction to German Literatures and Cultures I
GERM ~~322~~ ~~302~~ - Introduction to German Literatures and Cultures II

Select 21 hours:

GERM ~~325~~ ~~305~~ - Readings in German

Rationale: Courses have been renumbered. Impact on other units: None. Financial impact: None.

REVISE MODERN FOREIGN LANGUAGES AND LITERATURES MAJOR, GERMAN LANGUAGE AND WORLD BUSINESS CONCENTRATION**I. Language Requirement: German--27 hours****A. Complete:**

GERM ~~321~~ ~~304~~ - Introduction to German Literatures and Cultures I
GERM ~~322~~ ~~302~~ - Introduction to German Literatures and Cultures II

Rationale: Courses have been renumbered. Impact on other units: None. Financial impact: None.

REVISE GERMAN MINOR**Prerequisites****Complete:**

GERM ~~211~~ ~~204~~ - Intermediate German I *
GERM ~~212~~ ~~202~~ - Intermediate German II * (or equivalents)

Minor Requirements

The minor consists of at least 18 hours of German courses numbered above 300 (normally includes GERM ~~321~~ ~~304~~ and GERM ~~322~~ ~~302~~). GERM 323, GERM 331, GERM 332, GERM 350, and GERM 416 cannot count toward the minor.

Select 18 hours:

300-400 level German courses

Rationale: Courses have been renumbered. Impact on other units: None. Financial impact: None.

REVISE MODERN FOREIGN LANGUAGES AND LITERATURES MAJOR, JAPANESE LANGUAGE AND WORLD BUSINESS CONCENTRATION**II. Practical Experience – 3 hours****Select 3 hours from:**

JAPA ~~ASLN~~ 490 – ~~Chinese and~~ Japanese Internship
JAPA ~~ASLN~~ 491 – ~~Chinese and~~ Japanese Foreign Study

Rationale: These changes are to correct the language names since the courses are now Chinese and Japanese instead of Asian Languages. Impact on other units: None. Financial impact: None.

REVISE JAPANESE MINOR**Minor Requirements**

The minor in Japanese consists of at least 18 hours of Japanese courses.

Prerequisites

JAPA ~~ASLN~~ 251 - Intermediate Japanese I *
JAPA ~~ASLN~~ 252 - Intermediate Japanese II * (or equivalents)

Required Courses**Complete:**

JAPA ~~ASLN~~ 351 - Advanced Japanese I
JAPA ~~ASLN~~ 352 - Advanced Japanese II
JAPA ~~ASLN~~ 451 - Readings in Pre-Modern Japanese Literature
JAPA ~~ASLN~~ 452 - Readings in Modern Japanese Literature

Select 6 hours:

JAPA ASLN 313 - Japanese Literature in English Translation
JAPA ASLN 314 - Japanese Literature in English Translation
JAPA ASLN 413 - Topics in Japanese Literature
any Japanese courses above 300

Rationale: These changes are to correct the language names since the courses are now Chinese and Japanese instead of Asian Languages. Impact on other units: None. Financial impact: None.

SCHOOL OF MUSIC

REVISE DEPARTMENT TEXT

Progression Requirements

All new music students (freshman and transfer) must perform an audition in applied music and take a theory examination. In addition, students planning to major in music education, ~~or musicology or music theory/composition~~ need to interview with a faculty member in the respective area. No student officially progresses to major in music until the audition has been passed, ~~the theory placement examination has been taken~~, and, if applicable, the interview is complete. ~~Students will also take a theory examination.~~ The results of the audition and theory exam will determine the student's placement in applied music and theory. The audition, theory exam, and interview should be completed during a visit to the university prior to final arrival to begin classes. Applicants are urged to contact the School of Music to schedule appointments for satisfying the requirements as early as possible, but certainly no later than the summer orientation period.

Students entering any one of the four emphases in music education must complete the same audition procedures as those of performance majors. At the end of the second year or after having completed the required courses, students will participate in an interview with an appointed Admissions Board. Upon receiving positive recommendation from this board, students are admitted to the Teacher Education Program and permitted to take required upper-division education courses.

Students who pursue the music education curriculum are subject to all rules and regulations of the Teacher Education Program in the College of Education, Health, and Human Sciences, notwithstanding the fact that their degree will be awarded from the College of Arts and Sciences.

General Requirements

Students in the School of Music are required to consult the ~~School of Music website and the Undergraduate Catalog~~ *School of Music Undergraduate Handbook, available in the School of Music Office*, for departmental policies and procedures pertaining to music degrees.

Minimum Performance Standards

Potential performance and music education majors not meeting minimum performance standards, but showing potential will be allowed to register for MUSC 101 in order to attain the desired level. Such students are normally expected to demonstrate sufficient progress by the end of the first academic year to perform on a level commensurate with a freshman student accepted without reservation by the school. The addition of the extra semesters of study usually results in lengthening the period needed to satisfy requirements for advanced standing (300 level).

Ensembles

Ensemble participation during each semester of residence is required of all ~~full-time~~ Bachelor of Music students except during student teaching. Students are required to participate in ensembles appropriate to their specific degree program. Ensemble requirements vary among the concentrations; specific requirements for each concentration are ~~found in the Undergraduate Catalog listed in the School of Music Undergraduate Handbook, which is available on the School of Music website.~~ Enrollment in all ensembles is by audition or consent of instructor.

Applied Music

Applied study is classified as principal or secondary. Students ~~studying their principle (major) instrument~~ register for credit appropriate to their program (1-3 credit hours). ~~Students registered for 1 hour of credit receive a half-hour lesson per week. Students registered for 2-3 credit hours receive a one-hour lesson per week. Students studying a secondary instrument register for 1 hour of credit. Study at the principal level receives one hour of private instruction per week or a one-hour class lesson plus a half-hour private lesson.~~ Determination of the mode of instruction rests with the department. ~~Study at the secondary level receives one-half hour private instruction per week or its equivalent in-class instruction.~~ Applied music courses do not permit non-credit registration nor may students elect non-conventional grading.

Solo Class

All music majors are required to register for MUSC 200 every fall and spring they are enrolled in applied music with the exception of the semester in which they are student teaching. ~~This course requires attending scheduled concerts, recitals, master classes, repertoire, and solo classes, and performing at least once each semester in partial fulfillment of the applied music requirement. The requirements for this course are the attendance of scheduled concerts, recitals, master classes, repertoire, and solo classes, and to perform at least once each semester as partial fulfillment of applied music credit requirement.~~

Applied Music Fees

\$150 per credit hour (1 credit hour = \$150, 2 credit hours = \$300, 3 credit hours = \$450). **Current Computer** registration and applied music fee payment must be verified in the School of Music office no later than the end of the second day of classes of the fall and spring semesters and the first day of the summer terms in order to be accepted for applied music study.

Keyboard Skills Proficiency Examination

Proficiency in keyboard skills is required of all music majors and is usually acquired in the four-semester series of MUKB 110, MUKB 120, MUKB 210, MUKB 220 **or as specified by the student's concentration**. Students who already possess keyboard skills may pass a proficiency examination in lieu of these courses.

Recital Attendance Policy

The faculty of the School of Music believes that exposure to a variety of live musical performances is an important part of **the education of students studying music education in music** at the university level. As a result, the faculty has put in place a recital attendance requirement for undergraduate music students. Regular recital attendance **acquaints students helps students become acquainted** with accepted norms of recital presentation, **exposes them to performers and styles furnishes them with opportunities to get to know and respect the talents** of other students and faculty in the School of Music, and helps them establish the habit of attending musical performances after graduation. Specific recital attendance requirements are listed **on the School of Music website in the School of Music Undergraduate Handbook**.

Bachelor of Music Degree

The School of Music offers curricula leading to the Bachelor of Music degree with concentrations in music theory/composition, music education, **sacred music (organ, piano, or voice), piano pedagogy, studio music and jazz, and applied music (brass, voice, piano, organ, strings, woodwind and percussion instruments) and applied music (brass; voice; piano; organ; sacred music-organ or piano; sacred music-voice; piano pedagogy; strings; woodwind and percussion instruments; studio music and jazz)**. This study prepares students for graduate music study or for positions in music for which a professional music degree is required.

Bachelor of Arts Degree

This program is designed for students who have a strong interest in music and desire a comprehensive liberal studies program. The Bachelor of Arts degree requires a minimum of 120 hours as structured within the College of Arts and Sciences.

There are two concentrations for the Bachelor of Arts (BA): Applied Music and Music and Culture. The BA degree provides appropriate preparation for students seeking advanced degrees or careers in musicology, composition, music librarianship, arts administration, or music therapy.

BA – Applied Music

The Bachelor of Arts in Applied Music degree program provides students with specialized training in music performance within a comprehensive liberal studies program.

BA – Music and Culture

The Bachelor of Arts in Music and Culture degree emphasizes the study of music from the perspectives of humanistic and social science scholarship. Students learn aspects of music, research, criticism, and interpretation with an emphasis on historical and ethnographic scholarly approaches. The degree aims to highlight music as a culturally expressive form rather than solely as an objectified art.

School of Music Honors Program

The School of Music offers an honors program for exceptional undergraduate students. Students wanting to enter the music departmental honors program must have a cumulative GPA of 3.5, a music GPA of 3.5, and a recommendation from a faculty member. The recommendation is sent to the student's major area (e.g., voice, jazz, education, musicology, theory) to be approved. Once the area approves the student for entrance to the honors program, a letter will be sent to the School of Music's Associate Director for Undergraduate Studies admitting the student to the music departmental honors program.

Course work: Students in the honors program must maintain a cumulative GPA of 3.5 and a music GPA of 3.5, and take 12 hours of honors course work: 3 hours of honors by contract course work in any area of music, 6 hours of honors by contract course work in the major area, and 3 hours of a senior project. The senior project (MUSC 497) may take the form of an additional recital (such as a chamber recital) for performance majors, a recital paper, a curriculum proposal, or a research paper suitable for publication or presentation at a conference.

Rationale: Changes were needed to make the catalog agree with current practice. Impact on other units: None. Financial impact: None.

◆ DROP MUSIC MAJOR (BA), STANDALONE OPTION

◆ ADD MUSIC MAJOR (BA), APPLIED MUSIC CONCENTRATION

Requirements for the Bachelor of Arts – Music Major – Applied Music Concentration (45-48 hours)

I. College Requirements

Arts and Sciences

II. Prerequisites

A. Complete:

MUTH 110 - Theory I
MUTH 120 - Theory II
MUTH 130 - Ear Training I
MUTH 140 - Ear Training II

B. Select one course:

MUCO 110 - Introduction to Music in Western Culture *
MUCO 115 - Music in the United States *
MUCO 120 - History of Rock *
MUCO 125 - Jazz in American Culture *

C. Select 2 hours:

any 100-level Music Performance courses

III. Required Courses**A. Complete:**

MUCO 210 - History of Western Music, Ancient to the Baroque *
MUCO 220 - History of Western Music, Classical to the Present *
MUTH 210 - Theory III
MUTH 220 - Theory IV
MUTH 230 - Advanced Ear Training III
MUTH 240 - Advanced Ear Training IV
MUTH 310 - Form and Analysis

B. Select one course:

MUCO 350 - History of Jazz
MUCO 380 - Music in World Cultures *

C. Select 8 hours:

any 200-level or above Music Performance courses (4 semesters minimum)

D. Complete:

MUSC 200 - Solo Class (6 semesters minimum)

E. Select 4 hours:**1. Brass Majors**

MUEN 303 - Small Jazz Ensemble
MUEN 304 - Jazz Ensemble
MUEN 305 - Studio Orchestra
MUEN 306 - Trombone Choir
MUEN 330 - Chamber Singers
MUEN 350 - Concert Band
MUEN 352 - Symphonic Band
MUEN 353 - Wind Ensemble
MUEN 370 - Symphony Orchestra
MUEN 383 - Men's Chorale
MUEN 389 - Women's Chorale

2. Piano/Organ Majors**a. Select 2-4 hrs**

MUEN 330 - Chamber Singers
MUEN 380 - Concert Choir
MUEN 383 - Men's Chorale
MUEN 389 - Women's Chorale

b. Select 1-2 hrs

MUEN 399 - Accompanying

3. String Majors

MUEN 370 - Symphony Orchestra

4. Voice Majors**a. Select 2-4 hrs**

MUEN 330 - Chamber Singers
MUEN 380 - Concert Choir
MUEN 383 - Men's Chorale
MUEN 389 - Women's Chorale

b. Select 1-2 hrs

MUEN 340 - Opera Theatre

5. Woodwind, Percussion Majors

MUEN 304 - Jazz Ensemble
 MUEN 305 - Studio Orchestra
 MUEN 350 - Concert Band
 MUEN 352 - Symphonic Band
 MUEN 353 - Wind Ensemble
 MUEN 370 - Symphony Orchestra

F. Select 0-3 hours (Music Electives):

MUCO 460 - Music Aesthetics
 MUCO 493 - Independent Study
 MUIN 493 - Independent Study
 MUSC 301 - Junior Recital
 MUSC 411 - Lecture Recital
 MUSC 493 - Independent Study
 MUTH 493 - Independent Study in Music Theory

Rationale: Updating program name and program description to agree with current practices. Impact on other units: None. Financial impact: None.

REVISE MUSIC MAJOR (BA), MUSIC AND CULTURE CONCENTRATION

Requirements for the Bachelor of Arts – Music Major – Music and Culture Concentration (47-48 hours)

III. Required Courses

Complete:

MUCO 210 - History of Western Music, Ancient to the Baroque *
 MUCO 220 - History of Western Music, Classical to the Present *
 MUCO 290 - Soundscapes: Exploring Music in a Changing World *
 MUCO 380 - Music in World Cultures *
 MUSC 200 - Solo Class (4 semesters minimum)
 MUTH 210 - Theory III
 MUTH 220 - Theory IV
 MUTH 230 - Advanced Ear Training III

Select one course:

MUJZ 110 – Jazz Theory
 MUTH 220 – Theory IV

Rationale: Updating program and program description to agree with current practices. Impact on other units: None. Financial impact: None.

REVISE MUSIC MAJOR (BM), VOICE CONCENTRATION

² Students must choose FREN 211*-FREN 212* or FREN 217*-FREN 218*, GERM 211 201*-GERM 212 202*, ITAL 211*-ITAL 212* (or equivalent intensive intermediate course) to fulfill this requirement unless they have previously completed the University's General Education requirement in Cultures and Civilizations, in which case, they will choose GERM 111 101-GERM 112 102, FREN 111-FREN 112, ITAL 111-ITAL 112 (or equivalent intensive elementary course) to fulfill the requirement. Students are required to complete one year (or equivalent intensive elementary course) of a second foreign language to be chosen from French, German, or Italian.

Rationale: Courses have been renumbered. Impact on other units: None. Financial impact: None.

DEPARTMENT OF PHILOSOPHY

REVISE PHILOSOPHY MAJOR

Major Requirements

The major consists of 30 hours of courses numbered 200 or above, including at most one of PHIL 374, PHIL 376, or PHIL 379. Only 3 hours of philosophy electives may be taken at the 200 level. At least 6 hours must be taken at the 400 level or above; PHIL 407 may not be used to satisfy this 6-hour requirement. Majors are required to discuss their programs with a member of the philosophy faculty.

Rationale: Courses were dropped. Impact on other units: None. Financial impact: None.

REVISE PHILOSOPHY MAJOR, HONORS CONCENTRATION

Concentration Requirements

The honors concentration requires a 3.25 overall GPA with a 3.5 GPA in philosophy coursework. It consists of 31 hours of courses numbered 200 or above, ~~including at most one of PHIL 374, PHIL 376, or PHIL 379~~. Two honors philosophy courses, two honors or honors-by-contract philosophy courses, and additionally, one hour of PHIL 407 with a grade of B or higher are required. Only 3 hours of philosophy electives may be taken at the 200 level. Apart from the one required hour of PHIL 407, at least 6 hours must be taken at the 400 level or above. Majors are required to discuss their programs with a member of the philosophy faculty.

Rationale: Courses were dropped. Impact on other units: None. Financial impact: None.

REVISE PHILOSOPHY MAJOR, LEGAL AND POLITICAL PHILOSOPHY CONCENTRATION

Concentration Requirements

The philosophy major with concentration in legal and political philosophy consists of 30 hours of courses numbered 200 or above, ~~including at most one of PHIL 374, PHIL 376, or PHIL 379~~. Only 3 hours of philosophy electives may be taken at the 200 level. At least 6 hours must be taken at the 400 level or above; PHIL 407 may not be used to satisfy this 6-hour requirement. Majors are required to discuss their programs with a member of the philosophy faculty.

Rationale: Courses were dropped. Impact on other units: None. Financial impact: None.

REVISE PHILOSOPHY MAJOR, HONORS LEGAL AND POLITICAL PHILOSOPHY CONCENTRATION

Concentration Requirements

The honors legal and political philosophy concentration requires a 3.25 overall GPA with a 3.5 GPA in philosophy coursework. It consists of 31 hours of courses numbered 200 or above, ~~including at most one of PHIL 374, PHIL 376, or PHIL 379~~. Four honors or honors-by-contract philosophy courses and additionally, one hour of PHIL 407 with a grade of B or higher are required. Only 3 hours of philosophy electives may be taken at the 200 level. Apart from the one required hour of PHIL 407, at least 6 hours must be taken at the 400 level or above. Majors are required to discuss their programs with a member of the philosophy faculty.

Rationale: Courses were dropped. Impact on other units: None. Financial impact: None.

REVISE PHILOSOPHY MAJOR, PHILOSOPHY OF SCIENCE AND MEDICINE CONCENTRATION

Concentration Requirements

The philosophy major with concentration in philosophy of science and medicine consists of 30 hours of courses numbered 200 or above, ~~including at most one of PHIL 374, PHIL 376, or PHIL 379~~. Only 3 hours of philosophy electives may be taken at the 200 level. At least 6 hours must be taken at the 400 level or above; PHIL 407 may not be used to satisfy this 6-hour requirement. Majors are required to discuss their programs with a member of the philosophy faculty.

Rationale: Courses were dropped. Impact on other units: None. Financial impact: None.

REVISE PHILOSOPHY MAJOR, HONORS PHILOSOPHY OF SCIENCE AND MEDICINE CONCENTRATION

Concentration Requirements

The honors philosophy of science and medicine concentration requires a 3.25 overall GPA with a 3.5 GPA in philosophy coursework. It consists of 31 hours of courses numbered 200 or above, ~~including at most one of PHIL 374, PHIL 376, or PHIL 379~~. Four honors or honors-by-contract philosophy courses and additionally, one hour of PHIL 407 with a grade of B or higher are required. Only 3 hours of philosophy electives may be taken at the 200 level. Apart from the one required hour of PHIL 407, at least 6 hours must be taken at the 400 level or above. Majors are required to discuss their programs with a member of the philosophy faculty.

Rationale: Courses were dropped. Impact on other units: None. Financial impact: None.

◆ADD PHILOSOPHY MAJOR, 5-YEAR BA/MA PROGRAM

The Department of Philosophy offers a program in which qualified students may earn both a BA and MA in philosophy in five years. This is accomplished by applying 9 hours of approved graduate courses to both the BA and MA. Interested students typically apply for conditional admission to the program during, or immediately following, their third year of undergraduate study. A student will be conditionally admitted to the program only if he or she:

- is a declared Philosophy major;
- has completed at least 90 hours overall with a minimum GPA of 3.25; and
- has completed at least 15 hours in Philosophy with a minimum GPA of 3.5.

Applicants must also provide three letters of recommendation. Applicants are strongly encouraged, but not required, to have completed PHIL 235 and at least one 400-level Philosophy course. The Department may consider other relevant factors, such as an applicant's work experience and ~~potential for academic success level of maturity~~, in deciding whether to conditionally admit students to the BA/MA program. Both the Department of Philosophy and the Graduate School must approve all conditional admissions into

the BA/MA program. The Department will inform applicants of its decisions by the beginning of their fourth and final year of undergraduate study.

Both the Department Head (or designee) and the Graduate School must approve any course taken for graduate credit before the student satisfies all requirements for the BA. A student conditionally admitted to the BA/MA program may complete up to 9 hours of graduate credit to count toward both the BA and MA requirements. Only graduate courses taken after conditional admission into the BA/MA program may be used to satisfy the requirements of both degrees.

Conditional admission to the BA/MA program does not guarantee acceptance into either the Graduate School or the MA program in Philosophy. Students conditionally admitted into the BA/MA program at the start of their fourth year must apply that year for admission to both the MA program and the Graduate School. Such applicants must follow standard application procedures; in particular, they must submit GRE scores and a writing sample. If the student is accepted by both the MA program and the Graduate School, they will be fully admitted to the BA/MA program; they must then complete the standard curriculum for the MA program.

Students are ineligible for graduate assistantships until they satisfy all requirements for the BA degree.

Rationale: UT Philosophy students stand a much better chance of admission to a top PhD program if they apply with an MA and a Master's Thesis writing sample in hand. The proposed BA/MA puts them in a position to do so in five rather than six years. The proposal mirrors similar successful programs at other well-regarded universities. Impact on other units: None. Financial impact: None.

DEPARTMENT OF PHYSICS AND ASTRONOMY

◆ DROP PHYSICS MAJOR, APPLIED PHYSICS CONCENTRATION

Rationale: There have been no majors in this concentration in several years. Impact on other units: None. Financial impact: None.

REVISE DEPARTMENT TEXT (FIRST PARAGRAPH)

Physics is the study of matter and energy and their interactions from microscopic to macroscopic regimes. It is the most fundamental physical science in the sense that the laws of physics form the foundation of all natural sciences. The undergraduate physics major provides a thorough introduction to the core areas of physics while offering students flexibility to pursue special interests through our academic, ~~astronomy, applied,~~ or general concentrations. The academic concentration is intended for students interested in professional employment or graduate work in physics or closely related fields such as astronomy, engineering, laser technology, or computational science. ~~The applied concentration introduces students to the physics and technology of today and tomorrow. Such a broad physics background is increasingly useful in technological and industrial fields outside of physics.~~ The astronomy concentration is designed for students who may wish to do graduate work in astronomy or astrophysics. The general concentration is intended for students who wish to apply a substantial knowledge of physics to fields such as secondary education, medicine, law, journalism, business, or any field of their choice.

Rationale: Revising to delete references to the applied physics concentration, which is being dropped. Impact on other units: None. Financial impact: None.

REVISE PROGRAM TEXT—PHYSICS MAJOR, GENERAL CONCENTRATION

The physics major consists of 38 hours. Students who wish to apply physics to other career goals such as chemistry, mathematics, education, law, medicine, or journalism should consult with the department curriculum chair about appropriate alternate courses.

~~Students interested in one of the many health professions should be aware that pre-health curricula vary widely, and should consult specific pre-health programs for details. Most medical schools expect students to complete BCMB 401, BIOL 240 and CHEM 350-360; any twelve hours drawn from these four courses may be used to satisfy the 12-hour elective requirement for the general concentration in physics.~~

~~Students planning careers in science communication may, with approval of the department curriculum chair, apply a limited number of upper-division JREM courses to the 12-hour elective requirement for the general concentration in physics.~~

Rationale: The new wording better identifies the academic path to a degree. Impact on other units: None. Financial impact: None.

REVISE PHYSICS MAJOR, ACADEMIC CONCENTRATION

Academic Concentration (12 hours)

Complete:

- PHYS 312 - Mechanics
- PHYS 412 - Introduction to Quantum Mechanics II
- PHYS 432 - Electricity and Magnetism II

Rationale: Reflects recent title changes. Impact on other units: None. Financial impact: None.

DEPARTMENT OF POLITICAL SCIENCE

REVISE DEPARTMENT TEXT (FIVE-YEAR BA/MPPA PROGRAM)

Political Science Major, BA – Five-Year BA/MPPA Program

- Applicants are strongly encouraged, but not required, to have completed ECON 201, **POLS 201** **POLS 340**, and **POLS 240** **POLS 401**. The Department may consider other relevant factors such as an applicant's work experience and level of maturity before conditionally admitting a student to the BA-MPPA program.

Rationale: This represents a restructuring of the Political Science major in tandem with the new Arts and Sciences curriculum being deployed in Fall 2014. Impact on other units: None. Financial impact: None.

REVISE POLITICAL SCIENCE MAJOR

Political Science Major, BA

Continuing, returning, and transfer students may declare an interest in political science at any time. The department will then assign the student an academic advisor.

College Requirements

Arts and Sciences

Prerequisites**Select one course:**

- POLS 101 - United States Government and Politics *
- POLS 107 - Honors: United States Government and Politics *

Complete:

- POLS 102 - Introduction to Political Science *

Major Requirements

The major consists of **31 hours** of courses numbered 200 or above. At least 19 hours of courses numbered 300 or above must be completed.

Select four courses—Foundations of Political Science:

- POLS 200 – Introduction to Political Philosophy
- POLS 201 – Research Methods
- POLS 240 – Introduction to Public Administration and Public Policy
- POLS 249 – Introduction to Comparative Politics
- POLS 265 – Introduction to International Relations

Select six courses:

- any 300-400 level political science courses

Complete:

- POLS 480 – Capstone

Formerly:

Continuing, returning, and transfer students must meet progression requirements before declaring a major in political science.

A student may not declare a political science major until he/she has completed POLS 101* (or POLS 107*) and POLS 102*. 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.

College Requirements

Arts and Sciences

Prerequisites

Select one course:

- POLS 101 - United States Government and Politics *
- POLS 107 - Honors: United States Government and Politics *

Complete:

- POLS 102 - Introduction to Political Science *

Major Requirements

The major consists of 24 hours of courses numbered 300 or above.

Select one course--U.S. Government and Politics/Public Administration:

- POLS 311 - Contemporary Issues in American Public Policy
- POLS 312 - Popular Culture and American Politics
- POLS 315 - Tennessee Government and Politics
- POLS 320 - State Government and Politics
- POLS 321 - Urban Politics and Process

POLS 330 - Law in American Society
POLS 340 - Introduction to Public Administration and Public Policy
POLS 341 - Judicial Process and Policymaking
POLS 410 - Special Topics in Political Science
POLS 411 - Presidency
POLS 412 - Congress
POLS 420 - Political Attitudes and Behavior
POLS 421 - Political Parties and Interest Groups
POLS 422 - Political Campaigns and Elections
POLS 425 - Media and Politics
POLS 430 - United States Constitutional Law: Sources of Power and Restraint
POLS 431 - United States Constitutional Law: Civil Rights and Liberties
POLS 435 - Criminal Law and Procedure
POLS 440 - Public Management and Human Resources
POLS 441 - Public Budgeting
POLS 442 - Administrative Law and Regulatory Policymaking
POLS 445 - Administration of Justice

Select one course--Comparative Government and Politics:

POLS 349 - Introduction to Comparative Politics
POLS 350 - Political Change in Developing Areas
POLS 451 - Ethnic Conflict in Foreign Countries
POLS 452 - The Politics of Sub-Saharan Africa
POLS 453 - Western European Politics
POLS 454 - Government and Politics of China and Japan
POLS 456 - Latin American Government and Politics
POLS 459 - Government and Politics of Post-Communist Countries
POLS 461 - Comparative Public Policy
POLS 463 - Contemporary Middle East Politics

Select one course--International Relations:

POLS 365 - Introduction to International Relations
POLS 366 - United States Foreign Policy Process
POLS 370 - Contemporary International Problems
POLS 470 - International Law
POLS 471 - International Political Economy
POLS 472 - Conflict Processes
POLS 473 - Negotiation, Bargaining, and Diplomacy
POLS 474 - International Organization
POLS 479 - Regional Analysis of International Politics

Select one course--Political Theory:

POLS 300 - Introduction to Political Philosophy
POLS 374 - American Political Thought
POLS 475 - Ancient and Medieval Political Thought
POLS 476 - Modern Political Thought

Select four courses:

any 300-400 level political science courses

Rationale: This represents a restructuring of the Political Science major in tandem with the new Arts and Sciences curriculum being deployed in Fall 2014. Impact on other units: None. Financial impact: None.

REVISE POLITICAL SCIENCE MAJOR, PUBLIC ADMINISTRATION CONCENTRATION

Political Science Major, BA – Public Administration Concentration

Continuing, returning, and transfer students may declare an interest in political science at any time. The department will then assign the student an academic advisor.

College Requirements

Arts and Sciences

Prerequisites

Select one course:

POLS 101 - United States Government and Politics *
POLS 107 - Honors: United States Government and Politics *

Complete:

ECON 201 - Introductory Economics: A Survey Course *
POLS 102 - Introduction to Political Science *

Public Administration Concentration

Students majoring in political science who wish to prepare for a career in public service may select the concentration in public administration. The concentration consists of **34 hours** of course work in political science and economics.

Select three courses—Foundations of Political Science:

POLS 200 – Introduction to Political Philosophy
POLS 201 – Research Methods
POLS 249 – Introduction to Comparative Politics
POLS 265 – Introduction to International Relations

Complete:

POLS 240 – Introduction to Public Administration and Public Policy

Select four courses:

ECON 331 – Government and Business
ECON 333 – Law and Economics
ECON 361 – Regional and Urban Economics
ECON 362 – Environmental and Natural Resource Policy
POLS 311 – Contemporary Issues in American Public Policy
POLS 440 - Public Management and Human Resources
POLS 441 - Public Budgeting
POLS 442 - Administrative Law and Regulatory Policymaking

Select three courses:

any 300-400 level political science course

Complete:

POLS 480 – Capstone

Formerly:

Continuing, returning, and transfer students must meet progression requirements before declaring a major in political science.

A student may not declare a political science major until he/she has completed POLS 101* (or POLS 107*) and POLS 102*. 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.

College Requirements

Arts and Sciences

Prerequisites

Select one course:

POLS 101 - United States Government and Politics *
POLS 107 - Honors: United States Government and Politics *

Complete:

ECON 201 - Introductory Economics: A Survey Course *
POLS 102 - Introduction to Political Science *

Public Administration Concentration

Students majoring in political science who wish to prepare for a career in public service may select the concentration in public administration. The concentration consists of 27 hours of course work in political science, economics, and accounting.

Select four courses:

ECON 471 - Public Finance: Expenditure Analysis
ECON 472 - Public Finance: Taxation and Fiscal Federalism (Note: ECON 311 and STAT 201* are required prerequisites.)
POLS 340 - Introduction to Public Administration and Public Policy
POLS 401 - Research Methods
POLS 440 - Public Management and Human Resources
POLS 441 - Public Budgeting
POLS 442 - Administrative Law and Regulatory Policymaking

Select one course--Comparative Government and Politics:

POLS 349 - Introduction to Comparative Politics
POLS 350 - Political Change in Developing Areas
POLS 451 - Ethnic Conflict in Foreign Countries
POLS 452 - The Politics of Sub-Saharan Africa
POLS 453 - Western European Politics
POLS 454 - Government and Politics of China and Japan
POLS 456 - Latin American Government and Politics
POLS 459 - Government and Politics of Post-Communist Countries
POLS 461 - Comparative Public Policy
POLS 463 - Contemporary Middle East Politics

Select one course--International Relations:

POLS 365 - Introduction to International Relations
POLS 366 - United States Foreign Policy Process
POLS 370 - Contemporary International Problems
POLS 470 - International Law
POLS 471 - International Political Economy
POLS 472 - Conflict Processes
POLS 473 - Negotiation, Bargaining, and Diplomacy
POLS 474 - International Organization
POLS 479 - Regional Analysis of International Politics

Select one course--Political Theory:

POLS 300 - Introduction to Political Philosophy
POLS 374 - American Political Thought
POLS 475 - Ancient and Medieval Political Thought
POLS 476 - Modern Political Thought

Select one course--U.S. Government and Politics/Public Administration

POLS 311 - Contemporary Issues in American Public Policy
POLS 312 - Popular Culture and American Politics
POLS 315 - Tennessee Government and Politics
POLS 320 - State Government and Politics
POLS 321 - Urban Politics and Process
POLS 330 - Law in American Society
POLS 341 - Judicial Process and Policymaking
POLS 410 - Special Topics in Political Science
POLS 411 - Presidency
POLS 412 - Congress
POLS 420 - Political Attitudes and Behavior
POLS 421 - Political Parties and Interest Groups
POLS 422 - Political Campaigns and Elections
POLS 425 - Media and Politics
POLS 430 - United States Constitutional Law: Sources of Power and Restraint
POLS 431 - United States Constitutional Law: Civil Rights and Liberties
POLS 445 - Administration of Justice

Select one course:

any 300-400 level political science course

Rationale: This represents a restructuring of the Political Science major in tandem with the new Arts and Sciences curriculum being deployed in Fall 2014. Impact on other units: None. Financial impact: None.

REVISE POLITICAL SCIENCE MAJOR, HONORS CONCENTRATION

Political Science Major, BA – Honors Concentration

Continuing, returning, and transfer students may declare an interest in political science at any time. The department will then assign the student an academic advisor.

College Requirements

Arts and Sciences

Prerequisites

Select one course:

POLS 101 - United States Government and Politics *
POLS 107 - Honors: United States Government and Politics *

Complete:

POLS 102 - Introduction to Political Science *

Honors Concentration

The department's Honors Program emphasizes the ideals of a superior liberal arts education and gives students a more rigorous and intensive preparation in political science. The honors concentration consists of thirty-four (34) hours in political science numbered 200 and above, including completion of POLS 201, POLS 487, POLS 488, and POLS 498. These 34 hours must include four courses numbered at the 200-level, which must be completed with a minimum cumulative average of 3.0. To graduate with honors in political science, the student must have a minimum GPA of 3.3 in political science, and a minimum cumulative GPA of 3.25.

The Honors Program encourages fruitful contacts between individual students and faculty members, and student involvement in planning and developing the program. As a senior, each student takes POLS 487 and POLS 488, investigates a topic of his or her choice, and presents the results in an Honors Thesis. This project develops with the assistance and supervision of the Honors Director or another member of the Political Science faculty.

Select four courses—Foundations of Political Science:

POLS 200 – Introduction to Political Philosophy
POLS 201 – Research Methods
POLS 240 – Introduction to Public Administration and Public Policy
POLS 249 – Introduction to Comparative Politics
POLS 265 – Introduction to International Relations

Complete:

POLS 201 - Research Methods (if not used toward "Foundations of Political Science")

POLS 487 - Senior Honors: Thesis and Seminar
POLS 488 - Senior Honors: Thesis and Seminar

Select five courses:

any 300-400 level POLS courses

Complete:

POLS 480 – Capstone

Formerly:

Continuing, returning, and transfer students must meet progression requirements before declaring a major in political science.

A student may not declare a political science major until he/she has completed POLS 101* (or POLS 107*) and POLS 102*. 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.

College Requirements

Arts and Sciences

Prerequisites

Select one course:

POLS 101 - United States Government and Politics *

POLS 107 - Honors: United States Government and Politics *

Complete:

POLS 102 - Introduction to Political Science *

Honors Concentration

The department's Honors Program emphasizes the ideals of a superior liberal arts education and gives students a more rigorous and intensive preparation in political science. The honors concentration consists of twenty-seven (27) upper division hours in political science, including completion of POLS 401, POLS 487, and POLS 488. These 27 hours must include at least one course in each of the four areas of the discipline. To graduate with honors in political science, the student must have a minimum GPA of 3.3 in political science, and a minimum cumulative GPA of 3.25.

The Honors Program encourages fruitful contacts between individual students and faculty members, and student involvement in planning and developing the program. As a senior, each student takes POLS 487 and POLS 488, investigates a topic of his or her choice, and presents the results in an Honors Thesis. This project develops with the assistance and supervision of the Honors Director or another member of the Political Science faculty. Students are encouraged to take POLS 401 in advance of POLS 487 and POLS 488, because POLS 401 will help students better to design and undertake thesis research.

Select one course--U.S. Government and Politics/Public Administration:

POLS 311 - Contemporary Issues in American Public Policy

POLS 312 - Popular Culture and American Politics

POLS 315 - Tennessee Government and Politics

POLS 320 - State Government and Politics

POLS 321 - Urban Politics and Process

POLS 330 - Law in American Society

POLS 340 - Introduction to Public Administration and Public Policy

POLS 341 - Judicial Process and Policymaking

POLS 410 - Special Topics in Political Science

POLS 411 - Presidency

POLS 412 - Congress

POLS 420 - Political Attitudes and Behavior

POLS 421 - Political Parties and Interest Groups

POLS 422 - Political Campaigns and Elections

POLS 425 - Media and Politics

POLS 430 - United States Constitutional Law: Sources of Power and Restraint

POLS 431 - United States Constitutional Law: Civil Rights and Liberties

POLS 435 - Criminal Law and Procedure

POLS 440 - Public Management and Human Resources

POLS 441 - Public Budgeting

POLS 442 - Administrative Law and Regulatory Policymaking

POLS 445 - Administration of Justice

Select one course--Comparative Government and Politics:

POLS 349 - Introduction to Comparative Politics

POLS 350 - Political Change in Developing Areas

POLS 451 - Ethnic Conflict in Foreign Countries

POLS 452 - The Politics of Sub-Saharan Africa

POLS 453 - Western European Politics

POLS 454 - Government and Politics of China and Japan

POLS 456 - Latin American Government and Politics

POLS 459 - Government and Politics of Post-Communist Countries

POLS 461 - Comparative Public Policy

POLS 463 - Contemporary Middle East Politics

Select one course--International Relations:

POLS 365 - Introduction to International Relations

POLS 366 - United States Foreign Policy Process

POLS 370 - Contemporary International Problems

POLS 470 - International Law

POLS 471 - International Political Economy

POLS 472 - Conflict Processes

POLS 473 - Negotiation, Bargaining, and Diplomacy
 POLS 474 - International Organization
 POLS 479 - Regional Analysis of International Politics

Select one course--Political Theory:

POLS 300 - Introduction to Political Philosophy
 POLS 374 - American Political Thought
 POLS 475 - Ancient and Medieval Political Thought
 POLS 476 - Modern Political Thought

Complete:

POLS 401 - Research Methods
 POLS 487 - Senior Honors: Thesis and Seminar
 POLS 488 - Senior Honors: Thesis and Seminar

Select two courses:

any 300-400 level POLS courses

Rationale: This represents a restructuring of the Political Science major in tandem with the new Arts and Sciences curriculum being deployed in Fall 2014. Impact on other units: None. Financial impact: None.

REVISE POLITICAL SCIENCE MAJOR, FIVE-YEAR BA/MPPA PROGRAM (2ND BULLET)

Political Science Major, BA – Five-Year BA/MPPA Program

- Applicants are strongly encouraged, but not required, to have completed ECON 201, ~~POLS 201~~ ~~POLS 340~~, and ~~POLS 240~~ ~~POLS 401~~. The Department may consider other relevant factors such as an applicant's work experience and ~~potential for academic success~~ ~~level-of-maturity~~ before conditionally admitting a student to the BA-MPPA program.

Rationale: This represents a restructuring of the Political Science major in tandem with the new Arts and Sciences curriculum being deployed in Fall 2014. Impact on other units: None. Financial impact: None.

PRE-PROFESSIONAL PROGRAMS

REVISE PRE-PROFESSIONAL PROGRAMS MAJOR, PRE-DENTISTRY CONCENTRATION

Term 1	Hours
BIOL 150* 130* , BIOL 158* 138* , or BIOL 101*-BIOL 102*	3-8 4-8
BIOL 159* or BIOL 167*	2
CHEM 120* or CHEM 128*	4
ENGL 101 (or equivalent)*	3
¹ Quantitative Reasoning Elective*	3-4
Term 2	
BIOL 160* 140* or BIOL 168* 148*	3 4
CHEM 130* or CHEM 138*	4
Communicating Orally Elective*	3
ENGL 102 (or equivalent)*	3
¹ Quantitative Reasoning Elective*	3-4
Term 3	
BIOL 240	4
CHEM 350 or CHEM 358	3
Foreign Language (intermediate level)*	3
Non-U.S. History*	3
PHYS 221*	4
Term 4	
Arts and Humanities (List A)*	3
CHEM 360-CHEM 369 or CHEM 368-CHEM 369	5
Foreign Language (intermediate level)*	3
Non-U.S. History (continuation of sequence)*	3
PHYS 222*	4
Term 5	
Arts and Humanities (List A or B)*	3
BCMB 401	4
Connections	3
Social Science (List A)*	6
Global Challenges Upper-Level Distribution (U.S. Studies)	3

Term 6	
BCMB 402 or BCMB 412	4
Arts and Humanities (List A, B, or C)*	3
Communicating through Writing Elective*	3
Connections	6
BIOL 220-BIOL 229 or EEB 240 or MICR 210 or MICR 310-MICR 319	4 3-5
Upper-Level Distribution (Foreign Studies)	3
Term 7 and 8	
Completion of one year at the University of Tennessee Health Science Center in Memphis.	
TOTAL (minimum)	120

* Meets University General Education Requirement.

¹ Mathematics placement depends on high school courses and grades, ACT scores, and BA/BS requirements. MATH 130 or any calculus course is a prerequisite to physics. At least two courses must satisfy the University General Education Requirement in Quantitative Reasoning.

Rationale: All pre-professional plans needed to be updated because of Division of Biology and College changes. Impact on other units: None.
Financial impact: None.

REVISE PRE-PROFESSIONAL PROGRAMS MAJOR, PRE-MEDICINE CONCENTRATION

Term 1	Hours
BIOL 150* 130*, BIOL 158* 138*, or BIOL 101*-BIOL 102*	3-8 4-8
BIOL 159* or BIOL 167*	2
CHEM 120* or CHEM 128*	4
ENGL 101 (or equivalent)*	3
¹ Quantitative Reasoning Elective*	3-4
Term 2	
BIOL 160* 140* or BIOL 168* 148*	3 4
CHEM 130* or CHEM 138*	4
Communicating Orally Elective*	3
ENGL 102 (or equivalent)*	3
¹ Quantitative Reasoning Elective*	3-4
Term 3	
² BIOL 240	4
CHEM 350 or CHEM 358	3
Foreign Language (intermediate level)*	3
Non-U.S. History*	3
PHYS 221*	4
Term 4	
CHEM 360-CHEM 369 or CHEM 368-CHEM 369	5
Foreign Language (intermediate level)*	3
Non-U.S. History (continuation of sequence)*	3
PHYS 222*	4
Term 5	
Arts and Humanities (List A or B)*	3
² BCMB 401	4
Connections	3
² Social Science (List A)*	3
Unrestricted Electives	0-3
Global Challenges Upper-Level Distribution (U.S. Studies)	3
Term 6	
Arts and Humanities (List A or B)* (List A, B, or C)*	3
Communicating through Writing Elective*	3
² Social Science (List A)*	3
Connections	6
Unrestricted Electives	0-3
Upper-Level Distribution (Foreign Studies)	3
Term 7 and 8	

Completion of one year at the University of Tennessee Health Science Center in Memphis.	
TOTAL (minimum)	120

* Meets University General Education Requirement.

¹ Mathematics placement depends on high school courses and grades, ACT scores, and BA/BS requirements. MATH 130 or any calculus course is a prerequisite to physics. At least two courses must satisfy the University General Education Requirement in Quantitative Reasoning.

² MCAT 2015 contains new content; therefore, pre-med students should complete BIOL 240 and BCMB 401 and select PSYC 110 and SOCI 120 to satisfy the University General Education Requirement in Social Science.

Rationale: All pre-professional plans needed to be updated because of Division of Biology and College changes. Impact on other units: None.
Financial impact: None.

REVISE PRE-PROFESSIONAL PROGRAMS MAJOR, PRE-PHARMACY CONCENTRATION

Term 1	Hours
BIOL 150* 130* , BIOL 158* 138* , or BIOL 101*-BIOL 102*	3-8 4-8
CHEM 120* or CHEM 128*	4
ENGL 101 (or equivalent)*	3
MATH 125*, MATH 141*, MATH 147*, or MATH 152*	3-4
¹ Social Science (List A)*	3
Term 2	
BIOL 160* 140* or BIOL 168* 148* ; BIOL 159* or BIOL 167*	5 4
CHEM 130* or CHEM 138*	4
ENGL 102 (or equivalent)*	3
PHIL 244*	3
STAT 201* or STAT 207*	3
Term 3	
Arts and Humanities (List A)*	3
BIOL 240	4
BIOL 220-BIOL 229 or MICRO 210*	3-4
CHEM 350 or CHEM 358	3
Foreign Language (intermediate level)*	3
Non-U.S. History*	3
PHYS 221*	4
Term 4	
CHEM 360-CHEM 369 or CHEM 368-CHEM 369	5
Communicating Orally*	3
Global Challenges	3
Foreign Language (intermediate level)*	3
MICR 210 or MICR 310-MICR 319	3 or 5
Non-U.S. History (continuation of sequence)*	3
Term 5	
² Arts and Humanities (List A or B)* (List A, B, or C)*	3
BCMB 401	4
Communicating through Writing Elective*	3
Connections	3
EEB 240	4
MICR 430	3
Upper-Level Distribution (U.S. Studies)	3
Term 6	
BCMB 230	5
BIOL 240 or BCMB 311 or BCMB 402 or BCMB 412	3-4 4
Connections	6
¹ Social Science (List A)*	3
Upper-Level Distribution (Foreign Studies)	3
Term 7 and 8	
Completion of one year at the University of Tennessee Health Science Center in Memphis.	
TOTAL (minimum)	120

* Meets University General Education Requirement.

¹ ~~Chosen from BS students must complete a minimum of two courses from at least two departments chosen from the following list – ANTH 130*; ECON 201*; **POLS 101***, POLS 102*; PSYC 110*; SOCI 110*, SOCI 120*.~~

Rationale: UT College of Pharmacy has changed its entrance requirements. All pre-professional plans needed to be updated because of Division of Biology and College changes. Impact on other units: None. Financial impact: None.

REVISE PRE-PROFESSIONAL PROGRAMS MAJOR, PRE-VETERINARY MEDICINE CONCENTRATION

Term 1	Hours
BIOL 150* 130* , BIOL 158* 138* , or BIOL 101*-BIOL 102*	3-8 4-8
BIOL 159* or BIOL 167*	2
CHEM 120* or CHEM 128*	4
ENGL 101 (or equivalent)*	3
¹ Quantitative Reasoning Elective*	3-4
Term 2	
BIOL 160* 140* or BIOL 168* 148*	3 4
CHEM 130* or CHEM 138*	4
Communicating Orally Elective*	3
ENGL 102 (or equivalent)*	3
¹ Quantitative Reasoning Elective*	3-4
Term 3	
BIOL 240	4
CHEM 350 or CHEM 358	3
Foreign Language (intermediate level)*	3
Non-U.S. History*	3
PHYS 221*	4
Term 4	
Arts and Humanities (List A)*	3
CHEM 360-CHEM 369 or CHEM 368-CHEM 369	5
Foreign Language (intermediate level)*	3
Non-U.S. History (continuation of sequence)*	3
PHYS 222*	4
Term 5	
Arts and Humanities (List A or B)*	3
BCMB 401	4
Connections	3
Social Science (List A)*	3 6
Global Challenges Upper-Level Distribution (U.S. Studies)	3
Term 6	
Arts and Humanities (List A, B, or C)*	3
BCMB 402	4
² Biology Elective	4
Communicating through Writing Elective*	3
Connections	6
Social Science*	3
Upper-Level Distribution (Foreign Studies)	3
Term 7 and 8	
Completion of one year at the University of Tennessee College of Veterinary Medicine.	
TOTAL (minimum)	120

* Meets University General Education Requirement.

¹ Math placement depends on high school courses and grades, ACT scores, and BA/BS requirements. MATH 130 or any calculus course is a prerequisite for physics. At least two courses must satisfy the University General Education Requirement in Quantitative Reasoning.

² Any BCMB course (except BCMB 401, BCMB 402, BCMB 452, BCMB 457, BCMB 492, BCMB 493); any EEB course (except EEB 304, EEB 305, EEB 309, EEB 370, EEB 400, EEB 407, EEB 413, EEB 421, EEB 490, EEB 493); any MICR course (except MICR 491, MICR 492, MICR 493).

Rationale: All pre-professional plans needed to be updated because of Division of Biology and College changes. Impact on other units: None. Financial impact: None.

DEPARTMENT OF PSYCHOLOGY**REVISE PSYCHOLOGY MAJOR**

The major consists of **30 hours** of Psychology at the 200 level or higher.

College Requirements

Arts and Sciences

Prerequisites (GPA of at least 2.0)**Select one course (grade of C or better):**

PSYC 110 – General Psychology*

PSYC 117 – Honors: General Psychology*
or equivalent

Select one course:

MATH 115 – Statistical Reasoning

STAT 201 – Introduction to Statistics

PSYC 385 – Statistics in Psychology

Complete A, B, or C:**A.**

BIOL 101 – Introduction to Biology I

BIOL 102 – Introduction to Biology II

B.

BIOL 150 – Organismal and Ecological Biology

BIOL 159 – Skills of Biological Investigation

C.

BIOL 160 – Cellular and Molecular Biology

BIOL 159 – Skills of Biological Investigation

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 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 Review will be informed in writing that they are on probation and their records will be reviewed. Students who continue on Academic Review will be dropped from the major.

Core Courses (21 Hours)

To ensure that all psychology majors are exposed to the breadth of psychology as a hub science, including the diversity of human experience, all psychology majors are required to take seven courses.

1. Scientific Foundation of Psychology**Complete:**

PSYC 295 – Introduction to Psychological Research Methods

2. Human Development**Select one course:**

PSYC 300 – Child Development

CFS 210 – Human Development

3. Cognition and Learning**Select one course:**

PSYC 310 – Learning and Thinking

PSYC 314 – Cognitive Basis of Behavior

4. Connections to the Biological Sciences**Select one course:**

PSYC 301 – Foundations of Behavioral Neuroscience

PSYC 320 – Motivation

PSYC 370 – Evolutionary Psychology and Ethology

PSYC 410 – Sensory Processes and Perception

5. Connections to the Social Sciences**Complete:**

PSYC 360 – Social Psychology

6. Connections to Mental Health and Applications

Complete:

PSYC 330 – Abnormal Psychology

7. Individual Differences and Human Diversity**Select one course:**

PSYC 415 – Psychology of Religion
 PSYC 434 – Psychology of Gender
 PSYC 435 – Multicultural Psychology
 PSYC 470 – Theories of Personality
 PSYC 482 – Topics in Psychology: Psychology of Prejudice
 PSYC 482 – Topics in Psychology: African American Psychology
 SOCI 341 – Social Inequalities
 SOCI 343 – Race and Ethnicity
 SOCI 375 – Gender in Society
 SOWK 316 – Understanding Diversity in a Global Society

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 431 – Personality of Mental Health
 COUN 480 – Skills in Counseling
 JREM 450 – Writing about Science and Medicine

Formerly:

The major consists of 24 hours of Psychology at the 200 level or higher. Continuing, returning, and transfer students must meet progression requirements before declaring a major in psychology.

College Requirements

Arts and Sciences

Prerequisites (GPA of at least 2.0)

Complete (grade of C or better):

PSYC 110 - General Psychology *

Complete:

one year of a biological science

Major Requirements

No more than 6 hours of PSYC 382, PSYC 399, PSYC 482, 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 Review will be informed in writing that they are on probation and their records will be reviewed. Students who continue on Academic Review will be dropped from the major.

Select one course:

PSYC 295 - Research Analysis in Psychology
 PSYC 395 - Methods of Research in Psychology (Prerequisite: PSYC 385 or MATH 115* or STAT 201*)

Select three courses:

PSYC 210 - Biological Basis of Behavior
 PSYC 220 - Behavior and Experience: Humanistic Psychology
 PSYC 300 - Child Psychology
 PSYC 310 - Learning and Thinking
 PSYC 320 - Motivation
 PSYC 330 - Abnormal Psychology
 PSYC 360 - Social Psychology
 PSYC 370 - Ethology and Sociobiology

Select two courses:

any 300-level or higher psychology courses

Select two courses:

any 400-level psychology courses

Rationale: The UG Program Committee in Psychology used the Guidelines for Undergraduate Study in Psychology, published by the American Psychological Association, to identify best practices and learning goals; surveyed faculty to prioritize learning goals; and used results of curriculum assessment data to develop this proposed new curriculum. Impact on other units: Several courses from outside the department are included as counting toward the new curriculum. Heads of relevant departments and, in many cases, individual course instructors, were consulted. All listed courses have been approved by the relevant departments for listing in our curriculum. Financial impact: None.

DEPARTMENT OF RELIGIOUS STUDIES**REVISE RELIGIOUS STUDIES MAJOR****Major Requirements**

II. Select one course from each of the following areas (12 hours):**C. South, Southeast, and East Asia****Drop:**

REST 382 - Religion and Culture in Southeast Asia

Revise:REST 379 - Religions ~~and Philosophies~~ of ChinaREST 380 - ~~Buddhism in the Americas East Asian Buddhism in Asia and North America~~**D. Methods and Issues in Religious Studies****Revise:**REST 300 – ~~Method and Theory in Religious Studies Ways of Understanding Religion~~REST 320 – ~~Gender Women~~ and Religion

REVISE RELIGIOUS STUDIES MAJOR, HONORS CONCENTRATION

II. Select one course from each of the following areas (12 hours):**C. South, Southeast, and East Asia****Drop:**

REST 382 - Religion and Culture in Southeast Asia

Revise:REST 379 - Religions ~~and Philosophies~~ of ChinaREST 380 - ~~Buddhism in the Americas East Asian Buddhism in Asia and North America~~**D. Methods and Issues in Religious Studies****Revise:**REST 300 – ~~Method and Theory in Religious Studies Ways of Understanding Religion~~REST 320 – ~~Gender Women~~ and Religion

Rationale: Recent title change and course drop. Impact on other units: Business Administration revision. Financial impact: None.

STATISTICS (ARTS AND SCIENCES)

REVISE PROGRAM AND DEPARTMENT TEXT

Arts and Sciences students may major or minor in statistics under the supervision of the faculty of the ~~Business Analytics and Statistics (BAS) , Operations, and Management Science (SOMS)~~ Department in the College of Business Administration. The major is designed to prepare students for graduate studies in statistics or for professional work in various applications of statistical methods, including applications in the natural and social sciences, business and industry. Contact the ~~BAS SOMS~~ Department for further information on careers in statistics and appropriate courses to take. It is highly recommended that a student majoring in statistics have a minor in an area of application.

REVISE STATISTICS MAJOR (ARTS AND SCIENCES)

Major Requirements**Complete:**~~BAS STAT~~ 320 – Regression and Correlation Methods~~BAS STAT~~ 340 – Experimental Methods and Process Improvement~~BAS STAT~~ 471 – Business Analytics Capstone**Select two courses:**

MATH 423 – Probability

MATH 424 - Stochastic Processes

MATH 425 – Statistics

~~BAS STAT~~ 474 - Data Mining and Business Analytics~~BAS STAT~~ 475 - Applied Time Series and Forecasting

Rationale: The College of Business Administration is changing the name of some Statistics courses to Business Analytics and Statistics. The new acronym is BAS for most of the STAT courses so we need to use that acronym in our major description. Impact on other units: Business Administration revision. Financial impact: None.

REVISE STATISTICS MINOR

Select 12 hours:

MATH 423 – Probability

MATH 424 - Stochastic Processes

MATH 425 – Statistics

~~BAS STAT~~ 320 - Regression Modeling

~~BAS STAT~~ 340 - Experimental Methods and Process Improvement

~~BAS STAT~~ 471 - Business Analytics Capstone

~~BAS STAT~~ 474 - Data Mining and Business Analytics

~~BAS STAT~~ 475 - Applied Time Series and Forecasting

Rationale: The College of Business Administration is changing the name of some Statistics courses to Business Analytics and Statistics. The new acronym is BAS for most of the STAT courses so we need to use that acronym in our minor description. Impact on other units: Business Administration revision. Financial impact: None.

COLLEGE OF BUSINESS ADMINISTRATION

All changes effective Fall 2014

I. COURSE CHANGES

(BUAD) Business Administration

ADD

202 Financial Literacy (3) This course provides financial education and practical information to all students, especially those not majoring in business. The primary objective is to empower students to become more financially informed individuals.

Rationale: The objective of this course is to empower all students to become more financially informed individuals by providing instruction in the basic principles associated with personal financial decision making. Once students complete the course they should be able to: develop a financial plan/budget; demonstrate knowledge of the principles and concepts of the foundations of financial planning and be able to use the principles and concepts to solve unstructured issues; demonstrate an understanding in comprehending, interpreting, and utilizing credit and insurance management practices; demonstrate an ability to identify, describe and apply retirement planning principles. Impact on Other Academic Units: None. Financial Impact: None.

208 Honors: Business Ethics (3) Honors course designed for students seeking advanced professional orientation and experience in the application of ethics to the business environment. This course provides an in-depth focus on business ethics that combines philosophical theory, empirical social science, business ethics research perspectives, and service learning to course content. Examines the process of identifying, understanding, and effectively addressing contemporary ethical issues in the business enterprise. Perspectives from individual, organizational, societal and international levels are considered.

Rationale: To increase number of honors business courses available for Chancellors Honors students. Staffing Impact: Using current BUAD 205 instructor; no additional faculty required. Impact on Other Academic Units: None. Financial Impact: None.

299 Special Topics (1-3) Seminar covering special topics in business.
Repeatability: May be repeated if topic differs. Maximum 6 hours.

399 Special Topics (1-3) Seminar covering special topics in business.
Repeatability: May be repeated if topic differs. Maximum 6 hours.

Rationale: To add the flexibility to offer courses of special topics in business to all students at the university. The current 400-level Special Topics course is restricted to business majors. Staffing Impact: No staffing impact. Course taught by existing faculty. Impact on Other Academic Units: None. Financial Impact: None.

(IB) International Business

REVISE REGISTRATION RESTRICTION

409 International Business (3)

Registration Restriction(s): Students must be admitted to an international business collateral or dual concentration in the College of Business Administration or a language and world business concentration in the College of Arts and Sciences.

Formerly: Students must be admitted to an international business collateral or dual concentration.

Rationale: To increase number of international business course options for students in the language and world business concentration. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

DEPARTMENT OF ACCOUNTING AND INFORMATION MANAGEMENT

(INMT) Information Management

REVISE (RE) PREREQUISITE, REVISE REGISTRATION RESTRICTION

342 Introduction to Database Systems (3)

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

Registration Restriction(s): Majors in the College of Business Administration. Minimum student level – junior.

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

Registration Restriction(s): Majors in the College of Business Administration.

Rationale: To allow Business Analytics majors to take a database course. Without this change, it would be necessary to create a duplicate course in the college. Staffing Impact: No impact at this time. Impact on Other Academic Units: The change enables the Business Analytics faculty to offer

INMT 342 as an elective in their major. Financial Impact: This change could potentially save the college money by avoiding the need for a duplicate course offered in another department.

ADD CREDIT RESTRICTION

442 e-Enterprise (3)

Credit Restriction: Students cannot receive credit for both 442 and 545.

443 Business Applications and Tools (3)

Credit Restriction: Students cannot receive credit for both 443 and 546.

Rationale: 442/545 and 443/546 will be taught in same classroom and students will be exposed to same material; graduate students will just need to complete additional assignments to receive credit for the 500-level course. Therefore, it would be redundant for a student to get credit for both courses. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

DEPARTMENT OF FINANCE

(FINC) Finance

REVISE DESCRIPTION

425 Investment and Portfolio Management (3) Rigorous introduction to the fundamental principles and concepts of the valuation of stock and bonds (financial assets) in competitive and efficient financial markets. Risk and return analysis of portfolios of financial assets, capital market theory, security market theory, financial market microstructure, and professional ethics.

Formerly: Rigorous introduction to the fundamental principles and concepts of the valuation of stock and bonds (financial assets) in competitive and efficient financial markets. Risk and return analysis of portfolios of financial assets, capital market theory, security market theory, and financial market microstructure.

Rationale: To reflect inclusion of professional ethics in the course. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

DEPARTMENT OF MANAGEMENT

(MGT) Management

ADD

499 Special Topics in Management (3) Topics of current interest in management.

Repeatability: May be repeated for credit with consent of department. Maximum 6 hours.

Rationale: To provide a means to offer courses which address current and emerging topics of interest to management students. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

DEPARTMENT OF MARKETING AND SUPPLY CHAIN MANAGEMENT

(MARK) Marketing

DROP

340 Intermediate Marketing (3)

Course Impact	
Course	Catalog Location
MARK 340	Business Analytics major—Marketing Collateral Option
	Business Analytics major—Dual Concentration with Marketing, Term 6
	Finance major—Marketing Collateral Option
	Human Resource Management major—Marketing Collateral Option
	Management major—Marketing Collateral Option
	Marketing major—Collateral Option, Term 6, Term 7 milestones
	Marketing major—Dual Concentration with Internal Auditing, Term 6
	Marketing major—Dual Concentration with Information Management, Term 6
	Marketing major—Dual Concentration with Supply Chain Management, Term 6
	Marketing major—Dual Concentration with Business Analytics, Term 6
	Marketing major—Dual Concentration with International Business, Term 6

	Supply Chain Management major—Marketing Collateral Option
	Supply Chain Management major—Dual Concentration with Marketing, Term 6
	MARK 350 (RE) corequisite

Rationale: This class was not needed with our revised curriculum as the topics covered in this class will be covered in other classes. Staffing Impact: None. Impact on Other Academic Units: This course used to be offered as part of the marketing collateral and concentration; however, other classes have been added to the marketing curriculum to give collateral students and dual concentration students other options to meet graduation requirements. Financial Impact: None.

ADD

464 Brand Management (3) Effective brand management is critical to maintaining a firm's long-term profitability. This course is designed to develop students' understanding of the importance of brand management in driving top- and bottom-line performance. Topics will include those relating to managing brands, products, and prices.

(RE) Prerequisite(s): 350 and 360 with grades of C or better.

Registration Restriction(s): Majors in the College of Business Administration.

Rationale: We are creating a brand management course in our curriculum to give students more training in the branding and management of products which we believe will prepare them better for marketing jobs upon graduation. Staffing Impact: Faculty formerly teaching MARK 340 (dropped) will move to the new MARK 464 course. No new faculty or GTAs will be needed to staff this course. Impact on Other Academic Units: Adding this course will allow our collaterals and concentrations another option to fulfill their requirements. No other impact should be felt with the introduction of this course by other academic units. Financial Impact: None.

469 Professional Selling (3) Examination of the theory and practice of professional selling. Focus is on creating, maintaining, and expanding customer relationships, professional selling, understanding organizational buying behavior, ethical concerns in the selling function, lead generation and prospect analysis. Both analytical and presentation skills are developed, as well as specific techniques necessary to pursue a career in professional sales.

(RE) Prerequisite(s): 350 and 360 with grades of C or better.

Registration Restriction(s): Majors in the College of Business Administration.

Rationale: We are creating an extra sales course in our curriculum to give students more training in the sales area. Staffing Impact: None. Impact on Other Academic Units: Adding this course will allow our collaterals and concentrations another option to fulfill their requirements. No other impact should be felt with the introduction of this course by other academic units. Financial Impact: None.

REVISE (RE) COREQUISITE

350 Consumer Behavior (3)

(RE) Corequisite(s): 360.

Formerly: 340.

Rationale: The Marketing curriculum has significantly changed, and Marketing 340 has been dropped. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

ADD (RE) COREQUISITE

360 Marketing Analytics (3)

(RE) Corequisite(s): 350.

Rationale: 350 and 360 are now both prerequisites to the 400-level Marketing electives. By requiring that students take these courses together, students will be more likely to be able to take the 400-level courses on time in the beginning of their fourth year. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

REVISE (RE) PREREQUISITE, DROP (RE) COREQUISITE

466 Integrated Marketing Communications Management (3)

(RE) Prerequisite(s): 350 and 360 with grades of C or better.

Formerly: (RE) Prerequisite(s): 350 with grade of C or better.

(RE) Corequisite(s): 360.

Rationale: 350 and 360 are now both prerequisites to the 400-level Marketing electives. By requiring that students take these courses together, students will be more likely to be able to take the 400-level courses on time in the beginning of their fourth year. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

REVISE DESCRIPTION, REVISE (RE) PREREQUISITE, DROP (RE) COREQUISITE

468 Sales Force Management (3) This course examines how organizations communicate value to customers through the management of a professional sales force. It focuses on the activities and problems of sales force management and first line sales managers. Topics include sales force organization, recruiting, motivating, forecasting, territory design, and evaluation.
(RE) Prerequisite(s): 350 and 360 with grades of C or better.

Formerly: Examines how organizations communicate value to customers through face-to-face selling. Focuses on the activities and problems of sales representatives and first line sales managers. Topics include the selling process, sales force organization, recruiting, motivating, forecasting, territory design, and evaluation.

(RE) Prerequisite(s): 350 with grade of C or better.

(RE) Corequisite(s): 360.

Rationale: We added another sales course to our curriculum so some of the topics covered in this course (listed in the course description) are no longer covered in this course, thus the description needs to change. Also, 350 and 360 are now both prerequisites to the 400-level Marketing electives. By requiring that students take these courses together, students will be more likely to be able to take the 400-level courses on time in the beginning of their fourth year. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION

460 Marketing Strategy (3) This course is a “capstone” marketing course integrating buyer behavior, the marketing mix, economics, accounting, finance and the strategic marketing decision-making process under a variety of environmental conditions. Through the use of both lecture material, and case applications, students will apply their knowledge and experience in these areas to solve marketing problems and devise marketing plans.

Formerly: Global Marketing Strategy (3) Capstone course for Marketing to integrate concepts, frameworks, processes and tools presented in all prior course work. Students examine the application of marketing knowledge and skills in a global context with particular emphasis on how organizations respond with global marketing strategies.

Rationale: The existing version of this class attempted to cover both global marketing and marketing strategy and did not seem to go into depth on either topic well. The new version of the course will focus on the marketing strategy topics which will allow for an integration of previous topics covered in the marketing curriculum. Staffing Impact: None. Impact on Other Academic Units: In addition to Marketing majors, this course is also for students pursuing a concentration in Marketing. Those majors that offer that concentration were notified about the change. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION, REVISE (RE) PREREQUISITE, DROP (RE) COREQUISITE

462 Innovation and New Product Development (3) This course helps students understand and master the entire new product development process, from insight and inspiration through launch. Key topics covered include: Creativity & innovation, stage gate processes, customer insights, product design, prototyping, intellectual property protection, and designing for the environment, manufacturing, and supply chain.

(RE) Prerequisite(s): 350 and 360 with grades of C or better.

Formerly: Product and Service Management (3) Examines how organizations deliver value to customers through product and service strategies. Topics in product management include new product development, product life cycle, product mix management, and brand marketing. Topics in services management include service design, service delivery, service quality/productivity, service failure/recovery, and role of technology.

(RE) Prerequisite(s): 350 with grade of C or better.

(RE) Corequisite(s): 360.

Rationale: The existing version of this class attempted to cover both product and service management and did not seem to go into depth on either topic well. The new version of the course will focus on product management mainly, covering product innovation and new product development. This will give students a richer understanding of product management issues which are critical in brand management jobs for marketing majors. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

DEPARTMENT OF STATISTICS, OPERATIONS AND MANAGEMENT SCIENCE

REVISE DEPARTMENT NAME

Department of Business Analytics and Statistics

Formerly: Department of Statistics, Operations, and Management Science

MEMORANDUM

TO: Provost Susan Martin
Chancellor Jimmy Cheek

FROM: Jan Williams, Dean
College of Business Administration

DATE: January 16, 2013

SUBJECT: Departmental Name Change

The Department of Statistics, Operations, and Management Science has requested a name change to the Department of Business Analytics and Statistics. This letter is written to explain this request and to indicate my support of the change.

To set the context for this recommendation, let me point out that several years ago the department's name was changed from the Department of Statistics to the Department of Statistics, Operations, and Management Science, often referred to as SOMS. Today the "management science" dimension of the department's mission is better described by the term "business analytics." The MS in Management Science has been replaced by the MS in Business Analytics. New students are not being admitted to the Ph.D. program in Management Science and plans are to revise that program as a Ph.D. in Business Analytics. The department is working closely with the Department of Marketing and Supply Chain Management to create a supply chain analytics curriculum within the MS in Business Analytics. This will become our curriculum offering in the area of operations.

"Statistics" in the department's name reflects our continued commitment to the Intercollegiate Graduate Statistics Program, in which we offer an MS in Statistics and graduate minors in statistics to students in other disciplines. It also reflects our role as the academic home of the undergraduate statistics major in the College of Arts and Sciences and our role as service provider of service courses in statistics at both the undergraduate and graduate levels. We do not expect any significant changes in these important roles the department has played for many years.

The department believes the name Department of Business Analytics and Statistics appropriately reflects what the department actually does. We want the department to be visible to professional colleagues, employers and students who are interested in business analytics while maintaining visibility of our statistics programs and service responsibility.

The change in strategic direction of the department, which has been in process for several years, is a response to industry demand for expertise in business analytics.

It also takes advantage of our distinctive status as a statistics faculty housed in the business school that combines traditional statistics expertise with expertise in management science. This is a unique organizational structure in a major U.S. business school. The term "business analytics" combines the application of the data analysis tools of statistics and the optimization tools of management science in a manner that truly sets UT apart from other schools and prepares students for leadership roles that solve business problems.

To support this request, I would point out that within the last few days, our MS in Business Analytics program was included in *Information Weeks* top 20 in Big Data listing. This listing includes programs in business, computer science, engineering and other fields. The requested departmental name change will further emphasize our commitment to the rapidly advancing field of business analytics and also our service commitment to UT in statistics. You can see this recognition, including the other schools being recognized, by accessing the following website:
<http://www.informationweek.com/big-data/slideshows/big-data-analytics/big-data-analytics-masters-degrees-20-t/240145673?pgno=1>

With other departmental names changes, we have started the process by communicating with you with a request and explanation. If there is a different approach we should take, or if you need additional information regarding this request, please let me know. Once the change is approved, we will take the necessary steps through the appropriate channels to change the undergraduate and graduate catalogs, as well as other UT publications.

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>>>
>>>On 2/3/13 4:54 PM, "sdmartin" <sdmartin@utk.edu> wrote:
>>>
>>>>Jan,
>>>>
>>>>Thanks. This is a matter for the curricular process, and I think
>>>>you should go ahead and initiate it.
>>>>
>>>>-Susan
>>>>
```

Rationale: The new name better recognizes the department's main focus as using data to solving business problems. Additionally, the term "Business Analytics" is a new and fast growing discipline in the business world. Staffing Impact: None. Impact on Other Academic Units: The College of Arts and Sciences has been notified about the department name change, as the department houses courses for the Statistics major and minor within that college. Financial Impact: None.

(STAT) Statistics

REVISE (RE) PREREQUISITE

*201 Introduction to Statistics

(RE) Prerequisite(s): *Mathematics 125 or Mathematics 141 or Mathematics 152.*

Formerly: Mathematics 125 or Mathematics 141.

Rationale: Exceptions in Banner are already being made, allowing students with MATH 152 to take STAT 201. MATH 152 is the second of a two-semester sequence that contains calculus, so is therefore an adequate prerequisite to STAT 201. Staffing Impact: None. Impact on Other Units: None. Financial Impact: None.

DROP

320 Regression Modeling (3)

340 Experimental Methods and Process Improvement (3)

370 Search Engine Marketing: Paid Search Advertising Management and Optimization Strategies (3)

471 Business Analytics Capstone (3)

474 Data Mining and Business Analytics (3)

475 Applied Time Series and Forecasting (3)

483 Special Topics in Statistics (1-3)

492 Internship (1-6)

493 Independent Study (2-6)

ADD ACADEMIC DISCIPLINE AND COURSES

(BAS) Business Analytics and Statistics

320 Regression Modeling (3) Simple linear regression and correlation analysis, time series analysis, multiple regression, variable selection, regression diagnostics, partial correlation, and categorical data analysis techniques. Use of statistical computing software. Applied course appropriate for a general audience.

(RE) Prerequisite(s): Statistics 201 or 207 or 251.

340 Experimental Methods and Process Improvement (3) Statistical methods for process improvement. Special/common cause model of variation directed towards understanding sources of variation affecting process operations. Strategies of process experimentation, including randomization, blocking, sequential experimentation, and replication. Use of statistical computing software.

(RE) Prerequisite(s): Statistics 201 or 207 or 251.

370 Search Engine Marketing: Paid Search Advertising Management and Optimization Strategies (3) Learn the fundamentals of creating, managing and optimizing an online marketing campaign in a hands-on class. Students will learn by creating a Google AdWords campaign with an actual budget. During the semester they will be given an opportunity to analyze the performance and improve their campaigns. The class will prepare students for 2 of the 4 AdWords Certification Exams.

(RE) Prerequisite(s): Statistics 201 or 207.

Comment(s): Course is intended for juniors or seniors in marketing or business analytics.

Registration Permission: Consent of instructor.

471 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.

(RE) Prerequisite(s): 320 with grade of C or better.

474 Data Mining and Business Analytics (3) Understanding and application of data mining methods. Data preparation, exploratory data analysis and visualization, cluster analysis, logistic regression, decision trees, neural networks, association rules, model assessment, and other topics. Applications to real world data. Use of standard computer packages.

(RE) Prerequisite(s): 320 with grade of C or better.

475 Applied Time Series and Forecasting (3) Model building techniques for linear time series models, practical methods for univariate time series forecasting, Box-Jenkins forecasting methods, forecasting based on exponential smoothing, autoregression and stepwise autoregression, and forecasting from regression models. Use of standard computing packages. Major writing requirement.

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

483 Special Topics in Statistics (1-3) Topics vary.

Repeatability: May be repeated. Maximum 6 hours.

Registration Permission: Consent of instructor.

492 Internship (1-6) Supervised off-campus experience in application of statistical principles and methods in business, industry, or government, culminating in a written and oral report.

Grading Restriction: Satisfactory/No Credit grading only.

Repeatability: May be repeated. Maximum 6 hours.

Registration Permission: Consent of department head.

493 Independent Study (2-6) Faculty directed reading and investigation of specified topic in probability or statistics culminating in a written report.

Repeatability: May be repeated. Maximum 6 hours.

Registration Permission: Consent of department head.

Equivalency Table

Current Courses Statistics (STAT)	Equivalent Courses Effective Fall 2014 Business Analytics and Statistics (BAS)
320	320
340	340
370	370
471	471
474	474
475	475
483	483
492	492
493	493

Course Impact

Course	Catalog Location
STAT 320	Biological Sciences major, Ecology and Evolutionary Biology concentration
	Statistics major (College of Arts and Sciences)
	Statistics minor (College of Arts and Sciences)
	Business Analytics major, Collateral Option
	Business Analytics major, Dual Concentration with Information Management
	Business Analytics major, Dual Concentration with International Business
	Business Analytics major, Dual Concentration with Marketing
	Business Analytics major, Dual Concentration with Supply Chain Management
	Economics major, Business Analytics Collateral Option
	Finance major, Business Analytics Collateral Option
	Finance major, Dual Concentration with Business Analytics
	Marketing major, Dual Concentration with Business Analytics
	Supply Chain Management major, Dual Concentration with Business Analytics
STAT 340	Statistics major (College of Arts and Sciences)
	Statistics minor (College of Arts and Sciences)
	Business Analytics major, Collateral Option
	Business Analytics major, Dual Concentration with Information Management
	Business Analytics major, Dual Concentration with International Business
	Business Analytics major, Dual Concentration with Marketing
	Business Analytics major, Dual Concentration with Supply Chain Management
	Finance major, Business Analytics Collateral Option
	Finance major, Dual Concentration with Business Analytics
	Marketing major, Dual Concentration with Business Analytics
	Supply Chain Management major, Dual Concentration with Business Analytics
	Reliability and Maintainability Engineering Minor
STAT 370	None
STAT 471	Statistics major (College of Arts and Sciences)
	Statistics minor (College of Arts and Sciences)
	Business Analytics major, Collateral Option
	Business Analytics major, Dual Concentration with Information Management
	Business Analytics major, Dual Concentration with International Business
	Business Analytics major, Dual Concentration with Marketing
	Business Analytics major, Dual Concentration with Supply Chain Management
	Finance major, Dual Concentration with Business Analytics
	Marketing major, Dual Concentration with Business Analytics
	Supply Chain Management major, Dual Concentration with Business Analytics
STAT 474	Statistics major (College of Arts and Sciences)
	Statistics minor (College of Arts and Sciences)
	Business Analytics major, Collateral Option
	Business Analytics major, Dual Concentration with Information Management
	Business Analytics major, Dual Concentration with International Business
	Business Analytics major, Dual Concentration with Marketing
	Business Analytics major, Dual Concentration with Supply Chain Management
	Economics major, Business Analytics Collateral Option
	Finance major, Business Analytics Collateral Option
	Finance major, Dual Concentration with Business Analytics
	Marketing major, Dual Concentration with Business Analytics
	Supply Chain Management major, Dual Concentration with Business Analytics
STAT 475	Statistics major (College of Arts and Sciences)
	Statistics minor (College of Arts and Sciences)
	Business Analytics major, Collateral Option

	Business Analytics major, Dual Concentration with Information Management
	Business Analytics major, Dual Concentration with International Business
	Business Analytics major, Dual Concentration with Marketing
	Business Analytics major, Dual Concentration with Supply Chain Management
	Marketing major, Dual Concentration with Business Analytics
STAT 483	None
STAT 492	None
STAT 493	None

Rationale: The Department of Statistics, Operations and Management Science has changed the name of its undergraduate major from "Statistics" to "Business Analytics". The new name better recognizes our department's main focus as using data to solving business problems. Additionally, the term "Business Analytics" is a new and fast growing discipline in the business world, and the new degree name will help our students distinguish themselves from the traditional Statistics major. To avoid confusion, we wish to update our 300+ level courses from STAT to BAS (for "Business Analytics and Statistics"). We wish to retain the word "Statistics" within the new prefix because a fair number of undergraduates from the College of Arts and Science take many of our courses, in pursuit of a Statistics degree within that college. Because of the large service focus of our 200 level courses, we wish to retain the "STAT" prefix for STAT 201, STAT 207 (the honors version of STAT 201) and STAT 251. Impact on Other Academic Units: STAT 320 and 330 are listed as options for the Quantitative Requirement of the Biological Sciences Major – Ecology and Evolutionary Biology Concentration; the appropriate department/program person was contacted. STAT 340 was also listed as an option for the Reliability and Maintainability Engineering Minor in the College of Engineering; the Associate Dean was notified of the discipline change. Financial Impact: None.

DROP

330 Experimental Methods (3)

365 Statistical Process Control (3)

477 Web Analytics (3)

Course Impact	
Course	Catalog Location
STAT 330	Biological Sciences major, Ecology and Evolutionary Biology concentration
STAT 365	None
STAT 477	None

Rationale: 330 and 365 have not been taught in over two years. The material in those courses has been combined into a new course, STAT (now BAS) 340, Experimental Methods and Process Improvement. 477 was created, but never actually taught. After discussion among faculty, decided that course was more appropriate at a 300-level, and thus, STAT (now BAS) 370 was created. Staffing Impact: None. Impact on Other Academic Units: STAT 320 and 330 are listed as options for the Quantitative Requirement of the Biological Sciences Major – Ecology and Evolutionary Biology Concentration; the appropriate department/program person was contacted. Financial Impact: None.

ADD

454 Statistics for Business Analysts (3) Application of statistical tools in the context of business problems. Data management, ANOVA, regression, predictive modeling, model performance. Use of SAS software. Preparation for SAS certification exam.
(RE) Prerequisite(s): 320 with grade of C or better or consent of instructor.

Rationale: Proficiency with the use of SAS software is increasingly necessary for entry level positions for Business Analytics undergraduate students. This course prepares students to pass a "Business Analyst" certification exam offered by SAS. This certification is well recognized by business and industry, and will facilitate initial employment in the field of Business Analytics. Staffing Impact: None. Impact on Other Units: None. Financial Impact: None.

II. PROGRAM CHANGES

DEPARTMENT OF BUSINESS ANALYTICS AND STATISTICS

REVISE BUSINESS ANALYTICS MAJOR, COLLATERAL OPTION

Term 5		
BUAD 331, BUAD 332	4	BUAD 242
BUAD 341, BUAD 342	4	
FINC 301	3	
BAS STAT 320	3	
⁵ Unrestricted Elective	2	
Term 6		
BUAD 353, BUAD 361	6	2.5 cumulative GPA

⁶ Business Analytics Electives	6	BAS STAT 320
Collateral	3	
Term 7		
BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252*	3	BUAD 353
BULW 301	2	
BAS STAT 471	3	
⁵ Unrestricted Electives	6	
Term 8		
⁶ Business Analytics Elective	3	No milestones
Collateral	3	
MGT 402	3	
BAS STAT 474	3	
⁵ Unrestricted Elective	3	

ECONOMICS – ECON 312, ECON 381.

FINANCE – FINC 425; and one of FINC 435, FINC 445, FINC 455, FINC 463, FINC 475, FINC 485.

INFORMATION MANAGEMENT – 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) INMT 342; and one of INMT 442, INMT 443.

MARKETING – MARK 340, MARK 350, MARK 360.

SUPPLY CHAIN MANAGEMENT – SCM 310.

⁶ Select three two courses from INMT 342 341, BAS STAT 340, BAS 370, BAS 454, BAS STAT 475.

Rationale: Reflects change of STAT 300- and 400-level courses to BAS discipline. Marketing collateral reflects deletion of Marketing 340. Reflects new options for Business Analytics electives. The information in INMT 342 (database technology, database design, etc.) is a valuable skills set for any student majoring in Business Analytics and offers more flexibility in Business Analytics electives choices. Staffing Impact: None. Impact on Other Academic Units: In conjunction with this change, the prerequisite for INMT 342 is being changed to INMT 341 with a grade of C or better or BAS 320 with a grade of C or better. This prerequisite change will allow those pursuing a degree in Business Analytics to take INMT 342 without having the traditional prerequisite of INMT 341 Financial Impact: None.

REVISE BUSINESS ANALYTICS MAJOR, DUAL CONCENTRATION WITH INFORMATION MANAGEMENT

Term 6		
BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252*	3	2.5 cumulative GPA
BUAD 353, BUAD 361	6	BUAD 331, BUAD 332
INMT 342	3	INMT 341
BAS STAT 320	3	BAS STAT 320
Term 7		
BULW 301	2	No milestones
BAS STAT 340 or BAS 454 or BAS STAT 475	3	
INMT 443 442	3	
BAS STAT 471	3	
⁵ Unrestricted Elective	3	
Term 8		
INMT 442 443	3	No milestones
MGT 402	3	
BAS STAT 474	3	
⁵ Unrestricted Electives	6	

Rationale: Reflects new BAS discipline code and new BAS 454 course. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

REVISE BUSINESS ANALYTICS MAJOR, DUAL CONCENTRATION WITH INTERNATIONAL BUSINESS

Term 5		
⁵ BUAD 331, ⁴ BUAD 332	4	BUAD 242
BUAD 341, BUAD 342	4	
⁵ FINC 301	3	
BAS STAT 320	3	
⁶ Unrestricted Elective	2	
Term 6		

BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252*	3	2.5 cumulative GPA
⁵ BUAD 353, BUAD 361	6	BUAD 331, BUAD 332
BULW 301	2	BAS STAT 320
BAS STAT 340 or BAS 454 or BAS STAT 475 or INMT 342	3	
Term 7		
⁷ International Business coursework	6	No milestones
BAS STAT 471	3	
⁶ Unrestricted Electives	6	
Term 8		
⁷ International Business coursework	6	No milestones
⁵ MGT 402	3	
BAS STAT 474	3	
⁶ Unrestricted Elective	3	

Rationale: Reflects new BAS discipline code, new BAS 454 course, and ability to use INMT 342 as a Business Analytics elective. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

REVISE BUSINESS ANALYTICS MAJOR, DUAL CONCENTRATION WITH MARKETING

Term 5		
BUAD 331, BUAD 332	4	BUAD 242
BUAD 341, BUAD 342	4	
FINC 301	3	
BAS STAT 320	3	
⁵ Unrestricted Elective	2	
Term 6		
BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252*	3	2.5 cumulative GPA
BUAD 353, BUAD 361	6	BUAD 331, BUAD 332
MARK 340 , MARK 350, MARK 360	6	BAS STAT 320
Term 7		
BULW 301	2	No milestones
MARK 462 or MARK 464 or MARK 466 or MARK 468 or MARK 469 MARK 360	3	
BAS STAT 471	3	
⁶ Unrestricted Electives	6	
Term 8		
MARK 460	3	No milestones
MGT 402	3	
BAS STAT 340 or BAS 370 or BAS 454 or BAS STAT 475 or INMT 342	3	
BAS STAT 474	3	
⁵ Unrestricted Elective	3	

Rationale: Reflects new BAS discipline code, new BAS 454 course, and ability to use INMT 342 as a Business Analytics elective. Also reflects deletion of Marketing 340. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

REVISE BUSINESS ANALYTICS MAJOR, DUAL CONCENTRATION WITH SUPPLY CHAIN MANAGEMENT

Term 5		
BUAD 331, BUAD 332	4	BUAD 242
BUAD 341, BUAD 342	4	
FINC 301	3	
BAS STAT 320	3	
⁵ Unrestricted Elective	2	
Term 6		
BUAD 353, BUAD 361	6	2.5 cumulative GPA
SCM 310	6	SCM 310
BAS STAT 340 or BAS 454 or BAS STAT 475 or INMT 342	3	BAS STAT 320
Term 7		

BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252*	3	No milestones
BULW 301	2	
BAS STAT 471	3	
⁵ Unrestricted Electives	6	
Term 8		
MGT 402	3	No milestones
SCM 411 or SCM 412 or SCM 413 or SCM 421	6	
BAS STAT 474	3	
⁵ Unrestricted Elective	3	

Rationale: Reflects new BAS discipline code, new BAS 454 course, and ability to use INMT 342 as a Business Analytics elective. Staffing Impact: None. Financial Impact: None. Impact on Other Academic Units: None.

DEPARTMENT OF ECONOMICS

DEPARTMENT OF BUSINESS ANALYTICS AND STATISTICS

REVISE ECONOMICS MAJOR, TRADITIONAL OPTION

⁶ Economics Major Coursework (choose one area of focus): Environmental Economics (ECON 362, ECON 463); Health Economics (ECON 436; **PUBH 300** select one of: **PUBH 350**, **PUBH 401**, **PUBH 420**); International Economics (ECON 322, ECON 421); Industrial Organization (ECON 331, ECON 435); Labor Economics (ECON 441; MGT 472); Money/ Macroeconomics (ECON 351, ECON 413); Public Economics (ECON 471, ECON 472); Quantitative Economics (ECON 381, ECON 482); Regional/ Urban Economics (ECON 361; FINC 485).

REVISE ECONOMICS MAJOR, COLLATERAL OPTION

ACCOUNTING – ACCT 321 (**ACCT 301 prerequisite**), and one of ACCT 311, ACCT 431; or INMT 341 (**ACCT 301 prerequisite**).
 BUSINESS ANALYTICS – **BAS STAT 320**, **BAS STAT 474**.
 FINANCE - FINC 425 (**ACCT 301 prerequisite**); one of FINC 435 (**ACCT 301 prerequisite**), FINC 455.
 MANAGEMENT – MGT 430, MGT 435 (**MGT 331 prerequisite**).
 QUANTITATIVE ECONOMICS AND MATH – MATH 241 (**MATH 142 prerequisite**), MATH 251.

Rationale: The 300- and 400-level Statistics courses are changing to Business Analytics and Statistics, better recognizing the department's main focus as using data to solve business problems. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

DEPARTMENT OF FINANCE

REVISE FINANCE MAJOR, COLLATERAL OPTION

BUSINESS ANALYTICS – **BAS STAT 320**, **BAS STAT 340**, and **BAS STAT 474**.
 MARKETING - **MARK 340**, MARK 350, MARK 360, and one of **MARK 462**, **MARK 464**, **MARK 466**, **MARK 468**, or **MARK 469**.
 SUPPLY CHAIN MANAGEMENT – SCM 310, **Select and** one of SCM 411, SMC 412, SCM 413 or SCM 421.

Rationale: The 300- and 400-level Statistics courses are changing to Business Analytics and Statistics, better recognizing the department's main focus as using data to solve business problems. MARK 340 is being dropped from the curriculum and this course was part of the collateral, therefore we are updating the requirements for a marketing collateral. Staffing Impact: None. Impact on Other Academic Units: Marketing collaterals will have a wider variety of options with this new collateral. Financial Impact: None.

REVISE FINANCE MAJOR, DUAL CONCENTRATION WITH BUSINESS ANALYTICS

Term 6		
BUAD 353, BUAD 361	6	2.5 cumulative GPA
FINC 425	3	BUAD 331, BUAD 332
BAS STAT 320 , BAS STAT 340	6	FINC 301
Term 7		
BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252*	3	No milestones
BULW 301	2	
⁶ Finance Elective	3	
BAS STAT 471	3	

⁵ Unrestricted Elective	3	
Term 8		
FINC 455	3	No milestones
MGT 402	3	
BAS STAT 474	3	
⁵ Unrestricted Electives	6	

Rationale: The 300- and 400-level Statistics courses are changing to Business Analytics and Statistics, better recognizing the department's main focus as using data to solve business problems. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

DEPARTMENT OF MANAGEMENT

REVISE HUMAN RESOURCE MANAGEMENT MAJOR, MARKETING COLLATERAL OPTION

~~MARK 340~~, MARK 350, MARK 360, and one of ~~MARK 462~~, MARK 464, MARK 466, MARK 468, or MARK 469.

Rationale: MARK 340 is being dropped from the curriculum and this course was part of the collateral, therefore we are updating the requirements for a marketing collateral. Staffing Impact: None. Impact on Other Academic Units: Marketing collaterals will have a wider variety of options with this new collateral. Financial Impact: None.

REVISE MANAGEMENT MAJOR, MARKETING COLLATERAL OPTION

~~MARK 340~~, MARK 350, MARK 360, and one of ~~MARK 462~~, MARK 464, MARK 466, MARK 468, or MARK 469.

Rationale: MARK 340 is being dropped from the curriculum and this course was part of the collateral, therefore we are updating the requirements for a marketing collateral. Staffing Impact: None. Impact on Other Academic Units: Marketing collaterals will have a wider variety of options with this new collateral. Financial Impact: None.

DEPARTMENT OF MARKETING AND SUPPLY CHAIN MANAGEMENT

REVISE MARKETING MAJOR, COLLATERAL OPTION

Term 6		
BUAD 353, BUAD 361	6	2.5 cumulative GPA
Collateral	3	BUAD 331, BUAD 332
MARK 340 , MARK 350, MARK 360	6	
Term 7		
BULW 301	2	MARK 340 , MARK 350, MARK 360
Collateral	3	
MARK 360	3	
Two of: MARK 462 or MARK 464 or MARK 466 or MARK 468 or MARK 469	6 3	
⁵ Unrestricted Elective	3	

Rationale: The Marketing faculty have met over the past several months and, with input from both the CBA Business Advising Center and UT Career Services, as well as from many Marketing professionals in industry, we have decided to make the following changes in the Marketing major Curriculum to better position our students for success following graduation. MARK 340 is being dropped from our curriculum and this course was part of our major. Furthermore, we are concurrently making additions and improvements to the undergraduate Marketing course offerings. New courses include MKT 464 - Brand Management and MKT 469 - Professional Selling. Revisions and improvements include MKT 462 - Innovation and New Product Development and the capstone course, MARK 460 - Marketing Strategy. Therefore we are updating the requirements for the marketing major to reflect this changes. Staffing Impact: No new faculty or GTAs will be need due to these changes. Impact on Other Academic Units: None. Financial Impact: None.

REVISE MARKETING MAJOR, DUAL CONCENTRATION WITH BUSINESS ANALYTICS

Term 6		
BUAD 353, BUAD 361	6	2.5 cumulative GPA
MARK 340 , MARK 350, MARK 360	6	BUAD 331, BUAD 332
BAS STAT 320	3	BAS STAT 320
Term 7		
BULW 301	2	No milestones

MARK 462 or MARK 464 or MARK 466 or MARK 468 or MARK 469 MARK-360	3	
BAS STAT 471	3	
⁵ Unrestricted Electives	6	
Term 8		
MARK 460	3	No milestones
MGT 402	3	
BAS STAT 340 or BAS 370 or BAS STAT 475	3	
BAS STAT 474	3	
⁵ Unrestricted Elective	3	

Rationale: Reflects deletion of Marketing 340, new Marketing electives, and changes to prerequisites/corequisites. Also reflects change to BAS discipline code and addition of new BAS elective option. Staffing Impact: None. Impact on Other Academic Units: None.

REVISE MARKETING MAJOR, DUAL CONCENTRATION WITH INFORMATION MANAGEMENT

Term 6		
BUAD 353, BUAD 361	6	2.5 cumulative GPA
INMT 342	3	BUAD 331, BUAD 332
MARK 340, MARK 350, MARK 360	6	INMT 341
Term 7		
BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252*	3	No milestones
BULW 301	2	
INMT 442	3	
MARK 462 or MARK 464 or MARK 466 or MARK 468 or MARK 469 MARK-360	3	
⁵ Unrestricted Elective	3	

Rationale: Reflects deletion of Marketing 340, new Marketing electives, and changes in prerequisites/corequisites. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

REVISE MARKETING MAJOR, DUAL CONCENTRATION WITH INTERNAL AUDITING

Term 6		
BUAD 353, BUAD 361	6	2.5 cumulative GPA
INMT 341	3	BUAD 331, BUAD 332
MARK 340, MARK 350, MARK 360	6	
Term 7		
ACCT 311	3	ACCT 301
BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252*	3	
BULW 301	2	
MARK 462 or MARK 464 or MARK 466 or MARK 468 or MARK 469 MARK-360	3	
⁵ Unrestricted Elective	3	

Rationale: Reflects deletion of Marketing 340, new Marketing electives, and changes in prerequisites/co-requisites. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

REVISE MARKETING MAJOR, DUAL CONCENTRATION WITH INTERNATIONAL BUSINESS

Term 6		
⁵ BUAD 353, BUAD 361	6	2.5 cumulative GPA
MARK 340, MARK 350, MARK 360	6	BUAD 331, BUAD 332
⁶ Unrestricted Elective	3	
Term 7		
BULW 301	2	No milestones
⁷ International Business coursework	6	
MARK 462 or MARK 464 or MARK 466 or MARK 468 or MARK 469 MARK-360	3	
⁶ Unrestricted Elective	3	

Rationale: Reflects deletion of Marketing 340, new Marketing electives, and changes in prerequisites/corequisites. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

REVISE MARKETING MAJOR, DUAL CONCENTRATION WITH SUPPLY CHAIN MANAGEMENT

Term 6		
BUAD 361 BUAD 353	3	2.5 cumulative GPA
MARK 340 , MARK 350, MARK 360	6	SCM 310
SCM 310	6	
Term 7		
BUAD 353 BUAD 361	3	No milestones
BULW 301	2	
MARK 462 or MARK 464 or MARK 466 or MARK 468 or MARK 469 MARK 360	3	
⁵ Unrestricted Electives	6	
Term 8		
MARK 460	3	No milestones
MGT 402	3	
Two of: SCM 411 or SCM 412 or SCM 413 or SCM 421	6	
⁵ Unrestricted Elective	3	

Rationale: Reflects deletion of Marketing 340, new Marketing electives, and changes in prerequisites/corequisites. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

REVISE SUPPLY CHAIN MANAGEMENT MAJOR, MARKETING COLLATERAL OPTION

~~MARK 340~~, MARK 350, MARK 360, ~~and one of MARK 462, MARK 464, MARK 466, MARK 468, or MARK 469.~~

Rationale: MARK 340 is being dropped from the curriculum and this course was part of the collateral, therefore we are updating the requirements for a marketing collateral. Staffing Impact: None. Impact on Other Academic Units: Marketing collaterals will have a wider variety of options with this new collateral. Financial Impact: None.

REVISE SUPPLY CHAIN MANAGEMENT MAJOR, DUAL CONCENTRATION WITH BUSINESS ANALYTICS

Term 6		
BUAD 353, BUAD 361	6	2.5 cumulative GPA
SCM 310	6	SCM 310
BAS STAT 320	3	BAS STAT 320
Term 7		
BULW 301	2	No milestones
Collateral	3	
Two of SCM 411 or SCM 412 or SCM 413 or SCM 421	6	
BAS STAT 471	3	
Term 8		
MGT 402	3	No milestones
BAS STAT 340, BAS STAT 474	6	
⁵ Unrestricted Elective	6	

Rationale: The 300- and 400-level Statistics courses are changing to Business Analytics and Statistics, better recognizing the department's main focus as using data to solve business problems. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

REVISE SUPPLY CHAIN MANAGEMENT MAJOR, DUAL CONCENTRATION WITH MARKETING

Term 6		
BUAD 353, BUAD 361	6	2.5 cumulative GPA
MARK 340 , MARK 350, MARK 360	6	
⁵ Unrestricted Elective	3	
Term 7		
BULW 301	2	SCM 310
MARK 462, MARK 464, MARK 466, MARK 468, or MARK 469 MARK 360	3	
SCM 310	6	

⁵ Unrestricted Elective	3	
Term 8		
MARK 460	3	No milestones
MGT 402	3	
Two of SCM 411 or SCM 412 or SCM 413 or SCM 421	6	
⁵ Unrestricted Elective	3	

Rationale: MARK 340 is being dropped from the curriculum and this course was part of the co-concentration, and we are concurrently making additions and improvements to the undergraduate Marketing course offerings. Therefore we are updating the requirements for the marketing component of a co-concentration. Staffing Impact: None. Impact on Other Academic Units: None. Financial Impact: None.

PUBLIC ADMINISTRATION

REVISE PUBLIC ADMINISTRATION MAJOR

Term 4		
³ Arts and Humanities Elective*	3	CMST 210* or CMST 240*
BUAD 242	2	ENGL 255* or ENGL 295*
MGT 201	3	MATH 123* or MATH 142*
POLS 240	3	
STAT 201* or STAT 207*	3	STAT 201*
⁵ Unrestricted Elective	3	
Term 5		
BUAD 205 or ECON 305 or MGT 311 or PHIL 244* or PHIL 252*	3	BUAD 242
BUAD 331, BUAD 332	4	
BUAD 341, BUAD 342	4	
FINC 301	3	
⁵ Unrestricted Elective	1	
Term 6		
BUAD 353, BUAD 361	6	2.5 cumulative GPA
ECON 312	3	BUAD 331, BUAD 332
⁶ Economics or Political Science Electives	3	
POLS 340	3	ECON 312
⁵ Unrestricted Elective	3	

* Meets University General Education Requirement.

¹ Must be completed by the end of the First Year.

² Students who complete ENGL 118* with a grade of A or B will complete their English composition requirement by choosing ENGL 102*, a sophomore-level course in the English department, or ENGL 355*. If the sophomore-level English course appears on the Arts and Humanities list, the course may also be counted toward the Arts and Humanities requirement.

³ Chosen from the University General Education list.

⁴ MATH 125* or MATH 141* are prerequisites for STAT 201*, which is taken during the second semester of the Second Year. As a result, either MATH 125* or MATH 141* must be completed by the end of the first semester of the Second Year.

⁵ Any courses not already required for the major.

⁶ Chosen from any **four three** upper-division economics or political science courses.

Rationale: Political Science Department renumbered course. Impact on Other Academic Units: None. Financial Impact: None.

COLLEGE OF COMMUNICATION AND INFORMATION**All changes effective Fall 2014****I. COURSE CHANGES****SCHOOL OF COMMUNICATION STUDIES****(CMST) Communication Studies**

ADD

354 Research Methods in Communication Lab (1) This lab focuses on the practice and application of common research methods in the field of Communication. Students will conduct quantitative and qualitative communication research, use communication laboratory resources, analyze data, and complete collaborative group projects.

(RE) Prerequisite(s): 210 or 240 or 250, 352; English 102; and Psychology 110.

(RE) Corequisite(s): 356 and 360.

Comment(s): Only offered in fall and spring semesters.

Registration Restriction(s): Communication studies majors.

Rationale: Students need additional practice of the fundamentals of conducting communication research. The lab will enhance student learning, retention, and performance in the capstone course (CMST 499). Impact to other units: Minimal. Financial impact: Minimal.

360 Professional Skills in Communication Lab (2) This lab covers professional and general skills (e.g., writing a resume, interviewing) for success in the field of Communication.

(RE) Prerequisite(s): 210 or 240 or 250; English 102; and Psychology 110.

(RE) Corequisite: 354 and 356.

Comment(s): Only offered in fall and spring semesters.

Registration Restriction(s): Communication studies majors.

Rationale: The two additional credit hours will provide additional opportunities to address professional development topics for which there is not adequate time for in other courses (e.g., CMST 499 Capstone course). Impact to other units: Minimal. Financial impact: Minimal.

REVISE (RE) COREQUISITE, ADD COMMENT

356 Research Methods in Communication Studies (3)

(RE) Corequisite: 354 and 360; and Mathematics 115 or Statistics 201.

Comment(s): Only offered in fall and spring semesters.

Formerly: Mathematics 115 or Statistics 201.

Rationale: Incorporating the two new lab courses. Impact to other units: None. Financial impact: None.

SCHOOL OF INFORMATION SCIENCES**(INSC) Information Sciences**

ADD

490 g (3) The role of information technology and best practices for data management in the context of environmental science. The nature of the scientific method and research, emphasizing techniques for informing scientific research. How data quality and access affect environmental decision making, policy creation, and large-scale problem solving, such as for climate change or environmental disasters. Concepts include data collection, management, and sharing; the data life cycle; environmental modeling and data visualization; metadata creation; big data, citizen science.

Rationale: This course's content addresses the increasingly-important area of the curation and management of scientific data. It was originally developed through the collective efforts of the IMLS-funded Science Links2 project PI, post-doctoral researcher and doctoral students, in order to meet the needs of undergraduate students in the Information Studies & Technology minor, but also for the benefit of students in science communication, science journalism, and any of the science fields. It also has value for students in non-scientific fields coping with "big data" issues, such as business, marketing, and advertising. The course has been offered under a special topics number each spring semester since its inception in 2011, but because of its broad relevancy, the School of Information Sciences plans to continue to offer it each year, so a permanent course number is more appropriate than a special topics number. Most importantly, Dr. Michael McKinney, Professor and Chair of the Department of Earth and Planetary Sciences, has stated that, once this course has a permanent catalog number, he will list it among the preferred elective choices for both the Environmental Studies major and the new Sustainability major. This will both boost enrollment in the course, and also strengthen the interdisciplinary link between CCI/Information Sciences and his department. Impact on other units: None. Financial Impact: None.

493 Independent Project or Research (3)

Repeatability: May not be repeated.

Registration Restriction(s): Undergraduate students only.

Registration Permission: Consent of instructor.

Rationale: The School of Information Sciences was advised by Dr. Kay Reed to establish a course for Information Studies & Technology undergraduates to use for independent study projects or research studies, to be done for course credit, in the event that it was needed for advanced students to engage in worthwhile learning experiences and opportunities that are in areas not covered by existing courses. Impact on other units: None. Financial Impact: None.

REVISE DESCRIPTION

350 Information Consumer (3) The impact of the Information Age on society and the everyday lives of individuals, in the contexts of worklife, health, finance, and social interaction. Emphasizes information literacy skills and personal information management techniques to cope effectively with information overload, disinformation, propaganda, and fraud. Concepts include managing one's online presence, social media use, information privacy, the economics of information, individuals as content creators, self-publishing, environmental scanning, evaluating online information, and gatekeeping.

Formerly: Information in society, information economy, knowledge/learning society. Publishing and information providers – hosts, bulletin boards, nets. Information overload/anxiety, science fraud, gatekeeping concepts. Updating systems, environmental scanning. Information consumption techniques.

Rationale: The existing description for this course dates back to the inception of the Information Studies & Technology minor, and therefore contains references to obsolete technologies (e.g., bulletin boards). The proposed description brings in important themes that have emerged since the course's origin (e.g., social media use) and also is written on a more conceptual level, in order to remain relevant as specific technologies change over time. Impact on other units: None. Financial impact: None.

DROP (DE) PREREQUISITE, DROP COMMENT

451 Information Management in Organizations (3)

Formerly: (DE) Prerequisite(s): 310.

Comment(s): Prior knowledge may satisfy prerequisite with consent of instructor.

Rationale: The course has been restructured to allow students to engage content on the organizational level without need for the individual perspective provided in INSC 310. Impact on other units: None. Financial impact: None.

SCHOOL OF JOURNALISM AND ELECTRONIC MEDIA

(JREM) Journalism and Electronic Media

REVISE TITLE, REVISE DESCRIPTION

470 Cable, Internet, and other Content Delivery Systems (3) Media outlets are increasingly embracing multiple "media", or platforms, for delivering their content to audiences. The course focuses on the operations, management, and economics of content delivery systems from cable, DBS and various Internet applications, to emerging platforms such as mobile, and cloud-based individual content lockers.

Formerly: Cable, Multichannel, and Interactive Media (3) History, structure, and operations of cable television and other multichannel delivery systems (DBS, etc.). Development of digital interactive media as delivery systems (broadband Internet, cellular, WiFi, etc.) and their operations, potential as new media, and impact on media, audiences, and society. Economic, regulatory policy, programming, and management issues arising from the emergence of multiple delivery systems.

480 Media Programming and Audience Research (3) In an increasingly competitive, multiplatform, media environment, media outlets of all types need to find ways to attract the audiences they want and need for their continued success. Doing this effectively requires identifying the audience(s) various media want to reach, understanding their preferences and uses of media and content, determining content offerings, and gauging the effectiveness of programming efforts. An integral part of the course is audience research including ratings and applications for media companies.

Formerly: Broadcast and Cable Programming (3) Programming practices in radio, television, and cable. Nature and types of programs. Radio formats and strategies. Acquiring and scheduling television and cable programs. Use of ratings in program decision-making. Program analysis and criticism.

Rationale: More accurately describes current trends in media. Impact on other units: None. Financial impact: None.

II. PROGRAM CHANGES

REVISE COLLEGE TEXT

Requirements for Graduation

The Bachelor of Science in Communication is awarded to majors who complete a program of at least 120 hours prescribed under the advertising, journalism and electronic media, or public relations requirements. At least ~~77~~ 89 hours must be taken in courses other than journalism and electronic media, advertising, and/or public relations, with no fewer than 65 hours from the College of Arts and Sciences. Students must achieve a cumulative grade point average of at least 2.0 in all College courses used to fulfill graduation requirements.

Rationale: Reflects increased hours in the major for JREM. Impact on other units: None. Financial impact: None.

SCHOOL OF ADVERTISING AND PUBLIC RELATIONS

REVISE ADVERTISING MAJOR

Term 1	Hours	Milestone Notes
¹ Arts and Sciences Elective	3	Natural Sciences Elective*
CCI 150	3	
ENGL 101* or ENGL 118*	3	
² Intermediate Foreign Language*	3	
³ Natural Sciences Elective*	4	
Term 2		
ANTH 130* or ANTH 137*	3	ENGL 102*
ENGL 102*	3	
² Intermediate Foreign Language*	3	
MATH 125*, MATH 141*, or MATH 147*	3-4	
³ Natural Sciences Elective*	4	

³ Chosen from ASTR 151*-ASTR 153 or ASTR 217*, ASTR 152*-ASTR 154 or ASTR 218*; BIOL 101*, BIOL 102*, BIOL 111*, BIOL 112*, **BIOL 150*-BIOL 159 BIOL 130*** or **BIOL 158*-BIOL 159 BIOL 138***, BIOL 160*-BIOL 159 140* or BIOL 168*-BIOL 159 148*; CHEM 100*, CHEM 110*, CHEM 120* or CHEM 128*, CHEM 130* or CHEM 138*; GEOG 131* or GEOG 137*, GEOG 132*; GEOL 101* or GEOL 107*, GEOL 102* or GEOL 108*, GEOL 103*, GEOL 104*. **Students who complete both BIOL 150* and BIOL 160* must complete BIOL 159 only once.**

Rationale: Footnote revision reflects changes to biology courses. Impact on other units: None. Financial impact: None.

REVISE PUBLIC RELATIONS MAJOR

Term 1	Hours	Milestone Notes
¹ Arts and Sciences Elective	3	Natural Sciences Elective*
CCI 150	3	
ENGL 101* or ENGL 118*	3	
² Intermediate Foreign Language*	3	
³ Natural Sciences Elective*	4	
Term 2		
ANTH 130* or ANTH 137*	3	ENGL 102*
ENGL 102*	3	
² Intermediate Foreign Language*	3	
MATH 125*, MATH 141*, or MATH 147*	3-4	
³ Natural Sciences Elective*	4	
Term 7		
⁷ College Elective	3	No milestones
⁸ General Elective	3	
JREM 333 or JREM 375 or JREM 412 or JREM 414 or JREM 430	3	
⁶ PBRL 470	3	
PSYC 360	3	

³ Chosen from ASTR 151*-ASTR 153 or ASTR 217*, ASTR 152*-ASTR 154 or ASTR 218*; BIOL 101*, BIOL 102*, BIOL 111*, BIOL 112*, **BIOL 150*-BIOL 159 BIOL 130*** or **BIOL 158*-BIOL 159 BIOL 138***, BIOL 160*-BIOL 159 140* or BIOL 168*-BIOL 159 148*; CHEM 100*, CHEM 110*, CHEM 120* or CHEM 128*, CHEM 130* or CHEM 138*; GEOG 131* or GEOG 137*, GEOG 132*; GEOL 101* or GEOL 107*, GEOL 102* or GEOL 108*, GEOL 103*, GEOL 104*. **Students who complete both BIOL 150* and BIOL 160* must complete BIOL 159 only once.**

Rationale: Footnote revision reflects changes to biology courses. JREM 412 appeared on four-year course report and was dropped. Impact on other units: None. Financial impact: None.

SCHOOL OF COMMUNICATION STUDIES

REVISE COMMUNICATION STUDIES MAJOR

Term 6	Hours	Milestone Notes
CMST 354, 356, 360	6 3	No milestones
CMST 312 or CMST 342	3	
⁸ College Elective	3	
⁹ Concentration Elective	3	
³ Unrestricted Elective	3	
Term 7		
¹⁰ CMST 400-level Content Courses Electives	6	No milestones
⁸ College Elective	3	
⁹ Concentration Elective	3	
³ Unrestricted Elective	3	
Term 8		
CMST 499	3	No milestones
¹⁰ CMST 400-level Content Course	3	
⁸ College Elective	3	
⁹ Concentration Elective	3	
³ Unrestricted Electives	6	
TOTAL	120	

* Meets University General Education Requirement.

¹ Select two 4-credit lab sciences (8 hours) from the University General Education list.

² Chosen from the University General Education list.

³ Any courses not already required for the major.

⁴ Select sequence from HIST 241*, HIST 242*, HIST 247*-HIST 248*, HIST 261*, HIST 262*, HIST 267*-HIST 268*.

⁵ Six hours of the same intermediate foreign language.

⁶ Chosen from ENGL 255* or ENGL 257*, ENGL 295*, ENGL 355* or ENGL 357*, ENGL 360*, ENGL 455*; JREM 200*.

⁷ Select two of the three speaking-emphasis classes listed.

⁸ ~~Two~~ **Four** courses (6 ~~12~~ hours) chosen from advertising, communication and information, communication studies, information sciences, journalism and electronic media, or public relations. **These courses must come from at least two different areas of study.**

⁹ Four courses (12 hours, at least 6 hours must be at the 300- or 400- level). These courses may be used to complete a minor or may be a combination of classes from all departments except Advertising, Communication and Information, Communication Studies, Counselor Education, First Year Studies, Information Sciences, Journalism and Electronic Media, Physical Education, Public Relations.

¹⁰ **Select three courses from CMST 400, CMST 410, CMST 412, CMST 414, CMST 416, CMST 419, CMST 442, CMST 444, CMST 446, CMST 449, CMST 491, and CMST 493.** CMST 492 may not be counted toward the major. No more than 3 hours each of CMST 491 and CMST 493 may be counted toward the major; additional hours for these courses may be counted as College Electives.

REVISE COMMUNICATION STUDIES MAJOR, HONORS CONCENTRATION

The School of Communication Studies offers an honors program that provides an intense educational experience by challenging superior participating students. All students must complete CMST 207; CMST 217* or CMST 247*; and CMST 250. After completing these required courses with a cumulative GPA of 3.5, students are eligible to apply for admission to the communication studies honors program. Application forms may be downloaded at <http://www.cci.utk.edu/commstudies>. To graduate with honors, students must maintain a 3.5 cumulative GPA in all courses in the major and a 3.25 cumulative GPA in all university courses.

Term 1	Hours	Milestone Notes
ENGL 101* or ENGL 118*	3	Natural Sciences* or Social Sciences* Elective
¹ Natural Sciences Elective*	4	
² Quantitative Reasoning Elective*	3	
² Social Sciences Elective*	3	
³ Unrestricted Elective	1	
Term 2		
² Arts and Humanities Elective*	3	ENGL 102*
ENGL 102*	3	
¹ Natural Sciences Elective*	4	
PSYC 110* or PSYC 117*	3	
CMST 207	3	
Term 3		
² Arts and Humanities Elective*	3	Arts and Humanities Elective*
CMST 217* or CMST 247*	3	PSYC 110*

⁴ History Sequence*	3	
⁵ Intermediate Foreign Language*	3	
MATH 115*, STAT 201*, or STAT 207*	3	
Term 4		
CMST 250, CMST 312, CMST 342	9	CMST 217*, CMST 247*, or CMST 250
⁴ History Sequence*	3	Intermediate Foreign Language Sequence*
⁵ Intermediate Foreign Language*	3	
Term 5		
⁶ Advanced Composition Elective*	3	CMST 207 with a grade of C- or better
CMST 352, CMST 487	6	CMST 250
⁸ College Elective	3	
⁹ Concentration Elective	3	
Term 6		
CMST 354, CMST 356, CMST 360, CMST 487	9	No milestones
⁹ Concentration Elective	3	
³ Unrestricted Elective	3	
Term 7		
CMST 487, CMST 497, CMST 499	9	No milestones
³ Unrestricted Elective	3	
⁸ College Elective	3	
Term 8		
CMST 498	3	No milestones
⁹ Concentration Electives	6	
³ Unrestricted Electives	6	
TOTAL	120	

* Meets University General Education Requirement.

¹ Select two 4-credit lab sciences (8 hours) from the University General Education list.

² Chosen from the University General Education list.

³ Any courses not already required for the major.

⁴ Select sequence from HIST 247*-HIST 248* or HIST 267*-HIST 268*.

⁵ Six hours of the same intermediate foreign language.

⁶ Chosen from ENGL 257*, ENGL 295*, ENGL 357*, ENGL 360*, ENGL 455*; JREM 200*.

⁷ Select two of the three speaking-emphasis classes listed.

⁸ Two courses (6 hours) chosen from advertising, communication and information, communication studies, information sciences, journalism and electronic media, or public relations. CMST 492 may be counted only as a college elective.

⁹ Four courses (12 hours, at least 6 hours must be at the 300- or 400- level). These courses may be used to complete a minor or may be a combination of classes from all departments except Advertising, Communication and Information, Communication Studies, Counselor Education, First Year Studies, Information Sciences, Journalism and Electronic Media, Physical Education, Public Relations.

Formerly: The School of Communication Studies offers an honors program that provides an intense educational experience by challenging superior participating students. All students must complete CMST 207; CMST 210* or CMST 240* (or honors equivalents CMST 217* or CMST 247*); and CMST 250. After completing these required courses with a cumulative GPA of 3.5, students are eligible to apply for admission to the communication studies honors program. Application forms may be downloaded at <http://www.cci.utk.edu/commstudies>.

Upon acceptance into the program, students are required to complete the following:

CMST 312

CMST 342

CMST 352

CMST 356

CMST 487 (6)

CMST 497 (3), CMST 498 (3)

CMST 499 (3)

To graduate with honors, students must maintain a 3.5 cumulative GPA in all courses in the major and a 3.25 cumulative GPA in all university courses.

Rationale: These changes support our SACS 2012-2013 Assessment Report to "revise the curriculum to require one or more courses in interpersonal or organizational communication and one or two fewer courses in other components of the undergraduate curriculum fall 2013" (item 5 under Action Taken). Reducing the required college electives from 12 hours (four courses) to 6 hours (two courses) will allow students to focus on content related to the Communication Studies major. This content is reflected in the additional 3 hours of 400-level elective required (9 hours total), the Research Methods in Communication Lab (CMST 354 (1)) and the Professional Skills in Communication Lab (CMST 360 (2)). These added courses will require students to acquire more concentrated coursework in upper-level courses within the major and enhance their preparation for subsequent careers and/or graduate/professional programs. Impact to other units: Minimal. Financial impact: Minimal.

SCHOOL OF JOURNALISM AND ELECTRONIC MEDIA

REVISE JOURNALISM AND ELECTRONIC MEDIA MAJOR

Term 7	Hours	Milestone Notes
⁶ Arts and Sciences Elective	3	No milestones
⁷ College Elective	3	
⁸ Journalism and Electronic Media Elective	3	
JREM 367 or JREM 410	3	
JREM 400, JREM 492	4	
¹⁰ General Elective	3	

¹ Chosen from ANTH 110* or ANTH 117*; ASTR 151* (with or without lab--ASTR 153) or ASTR 217*, ASTR 152* (with or without lab--ASTR 154) or ASTR 218*; BIOL 101*, BIOL 102*, BIOL 111*, BIOL 112*, BIOL 150* -130* or BIOL 158* -138* (with or without lab--BIOL 159), BIOL 160 -140* or BIOL 168 -148 (with or without lab--BIOL 159); CHEM 100*, CHEM 110*, CHEM 120* or CHEM 128*, CHEM 130* or CHEM 138*; GEOG 131* or GEOG 137*, GEOG 132*; GEOL 101* or GEOL 107*, GEOL 102* or GEOL 108*, GEOL 103*, GEOL 104*, GEOL 201*, GEOL 202* or GEOL 208*, GEOL 203*, GEOL 205* or GEOL 207*; MICR 210*; PHYS 101*, PHYS 102*. At least one of the courses must have a laboratory.

Rationale: Accreditation standards allow for additional credits within unit. Footnote revision reflects changes to biology courses. Impact on other units: None. Financial impact: None.

COLLEGE OF EDUCATION, HEALTH AND HUMAN SCIENCES

All changes effective Fall 2014

I. COURSE CHANGES

DEPARTMENT OF CHILD AND FAMILY STUDIES

(CFS) Child and Family Studies

DROP

312 Families in Middle and Later Adulthood (3)

Course Impact	
Course	Catalog Location
CFS 312	Child and Family Studies major, Community Outreach track, Child and Family Diversity specialty area
	Child and Family Studies minor, "Select 12 hours" heading

Rationale: Course has not been taught in a number of years. Impact on other units: None. Financial Impact: None.

DROP REGISTRATION RESTRICTION

440 Family Life and Parent Education (3)

Formerly: Child and family studies major.

Rationale: Significant number of non-CFS majors request the course. Impact on other units: None. Financial Impact: None.

DEPARTMENT OF KINESIOLOGY, RECREATION AND SPORT STUDIES

(KNS) Kinesiology

ADD SECONDARY CROSSLIST

†334 Sport and Community Development (3) (See *Recreation and Sport Management 334*.)

Rationale: Course has been taught as a Special Topics course and is now being moved into the regular Recreation and Sport Management curriculum. The course counts as an upper division elective for both Recreation and Sport Management and Kinesiology majors. Impact on other units: None. Financial Impact: None; currently offered as a special topics.

REVISE REGISTRATION RESTRICTION

\$414 Fitness Testing and Prescription (3)

Registration Restriction(s): Kinesiology major; minimum student level — junior.

Formerly: Kinesiology major; minimum student level — junior; minimum 2.5 GPA.

\$422 Biomechanics of Human Movement (3)

Registration Restriction(s): Kinesiology or animal science major; minimum student level — junior.

Formerly: Kinesiology or animal science major; minimum student level — junior; minimum 2.5 GPA.

426 Practicum in Kinesiology II (1-6)

Registration Restriction(s): Kinesiology major.

Formerly: Kinesiology major; minimum 2.5 GPA.

450 Internship in Kinesiology (12-15)

Registration Restriction(s): Kinesiology major.

Formerly: Kinesiology major; minimum 2.5 GPA.

†\$480 Physiology of Exercise (3)

Registration Restriction(s): Kinesiology major, Biological Sciences major, or Animal Science major; minimum student level — junior.

Formerly: Kinesiology major, Biological Sciences major, or Animal Science major; minimum student level — junior; 2.5 GPA.

493 Directed Independent Studies

Registration Restriction(s): Kinesiology major; minimum student level — junior.

Formerly: Kinesiology major; minimum student level — junior; minimum 2.5 GPA.

Rationale: GPA restrictions will be enforced by new milestones system associated with uTrack. Impact on other units: None. Financial Impact: None.

(PYED) Physical Education

REVISE DESCRIPTION

\$211 Golf (1) Introduction to chipping, putting, full swing, rules, etiquette, and scoring necessary for enjoyable recreational play. Class meets at an off-campus facility.

Formerly: Introduction to chipping, putting, full swing, rules, etiquette, and scoring necessary for enjoyable recreational play.

213 Ice Skating (1) Beginning skills and etiquette in ice skating. Class meets at an off-campus facility.

Formerly: Beginning skills and etiquette in ice skating.

259 Snow Skiing (1) Development of skills necessary to balance, walk, and slide while on skis. Ski etiquette and skier's responsibility code. Class meets at an off campus facility.

Formerly: Development of skills necessary to balance, walk, and slide while on skis. Ski etiquette and skier's responsibility code.

261 Scuba Diving (2) Introduction and developmental scuba diving skills, as well as the theory, safety skills, and practical application of skills to open water scuba diving. This course has an additional fee from an outside vendor and meets at an off-campus location.

Formerly: Introduction and developmental scuba diving skills, as well as the theory, safety skills, and practical application of skills to open water scuba diving.

262 Snowboarding (1) Develop skills necessary for proper balance and control in snowboarding. Learn and demonstrate rules and regulations of snow etiquette through group participation. Learn the snowboarding responsibility code. Class meets at an off-campus facility.

Formerly: Develop skills necessary for proper balance and control in snowboarding. Learn and demonstrate rules and regulations of snow etiquette through group participation. Learn the snowboarding responsibility code.

Rationale: Change clarifies where the courses are currently taught (and the additional cost for PYED 261). Impact on other units: None. Financial Impact: None.

(RSM) Recreation and Sport Management

ADD

406 Therapeutic Recreation in Public Schools II (3) Concepts and techniques of working with children with disabilities in the public schools in Knox and Sevier County Special Education Classes. Students will assume leadership roles in supervision and in gaining and understanding of various disabling conditions that children with special needs have and how to work with these children. Students will be involved in writing lesson plans, documenting progress, writing progress notes, writing evaluation reports, and leading activities with children in 2-3 schools for 4-6 hours per week. Students must commit approximately 70 clock hours to the course.

(RE) Prerequisite: 405.

Rationale: Course has been taught as a Special Topics course and is now being assigned a permanent course number. Impact on other units: None. Financial Impact: None, course will continue to be taught as it has been.

ADD AND CROSSLIST (PRIMARY)

†334 Sport and Community Development (3) Designed to teach leadership, critical thinking, and cross-cultural communication skills through sport-based service. Using a Sport for Development and Peace framework, students will work with the local community to construct programming that addresses the needs of at-risk and underserved populations using sport, recreation, and physical activity. *(Same as Kinesiology 334.)*

Registration Restriction(s): Kinesiology or Recreation and Sport Management major; minimum student level – junior.

Rationale: Course has been taught as a Special Topics course and is now being moved into the regular Recreation and Sport Management curriculum. The course counts as an upper division elective for both Recreation and Sport Management and Kinesiology majors. Impact on other units: None. Financial Impact: None.

REVISE REGISTRATION RESTRICTION

310 Development and Evaluation of Recreation and Sport Programs (3)

Registration Restriction(s): Recreation and sport management major.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

320 Therapeutic Recreation and Special Populations (3)

Registration Restriction(s): Recreation and sport management major.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

330 Sport Communication (3)

Registration Restriction(s): Recreation and sport management major.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

338 Applied Ethics in Recreation and Sport (3)

Registration Restriction(s): Recreation and sport management or kinesiology major.

Formerly: Recreation and sport management or kinesiology major; minimum 2.5 GPA.

340 Financial Aspects of Sport (3)

Registration Restriction(s): Recreation and sport management major.

Formerly: Recreation and sport management major; minimum 2.5

350 Sport Management: Theory to Practice (3)

Registration Restriction(s): Recreation and sport management major.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

360 Sport Governance (3)

Registration Restriction(s): Recreation and sport management major.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

370 Event Management (3)

Registration Restriction(s): Recreation and sport management or kinesiology major.

Formerly: Recreation and sport management or kinesiology major; minimum 2.5 GPA.

380 Special Topics (1-3)

Registration Restriction(s): Recreation and sport management major.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

410 Intercollegiate Athletics (3)

Registration Restriction(s): Recreation and sport management major.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

415 Facility Planning and Development

Registration Restriction(s): Recreation and sport management or kinesiology major.

Formerly: Recreation and sport management or kinesiology major; minimum 2.5 GPA.

430 Organization and Administration of Recreation Services (3)

Registration Restriction(s): Recreation and sport management major.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

440 Sport Marketing (3)

Registration Restriction(s): Recreation and sport management major.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

450 Legal Aspects of Sport (3)

Registration Restriction(s): Recreation and sport management or kinesiology major.

Formerly: Recreation and sport management or kinesiology major; minimum 2.5 GPA.

460 Development and Revenue Generation (3)

Registration Restriction(s): Recreation and sport management major.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

493 Independent Study (1-3)

Registration Restriction(s): Recreation and sport management major.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

Rationale: GPA restrictions will be enforced by new milestones system associated with uTrack. Impact on other units: None. Financial Impact: None.

DROP REGISTRATION RESTRICTION, ADD COMMENT

290 Practicum I (3)

Registration Restriction(s): Recreation and sport management major.

Comment (s): Students must have a minimum required GPA of 2.5 for enrollment in this course.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

390 Practicum II (3)

Registration Restriction(s): Recreation and sport management major.

Comment (s): Students must have a minimum required GPA of 2.5 for enrollment in this course.

Formerly: Recreation and sport management major; minimum 2.5 GPA.

490 Internship (6 or 12)

Registration Restriction(s): Recreation and sport management major; minimum student level — senior.

Comment (s): Students must have a minimum required GPA of 2.5 for enrollment in this course.

Formerly: Recreation and sport management major; minimum 2.5 GPA; minimum student level — senior.

Rationale: Banner's inability to enforce GPA restrictions, thus GPA is being moved to the comments section and will be enforced at the department level. Impact on other units: None. Financial Impact: None.

DEPARTMENT OF NUTRITION

(NUTR) Nutrition

REVISE (RE) PREREQUISITE

311 Physiological Chemistry (4)

(RE) Prerequisite(s): Biology 160 or Biochemistry and Cellular and Molecular Biology 230; Chemistry 350.

Formerly: (RE) Prerequisite(s): Biology 140 or Biochemistry and Cellular and Molecular Biology 230; Chemistry 100-110, or Chemistry 120-130.

Course Impact	
Course	Catalog Location
NUTR 311	Animal Science major, Animal Industries concentration, footnote 7
	Animal Science major, Bioscience concentration, footnote 3
	Animal Science major, Pre-Veterinary Medicine concentration, footnote 3
	Biological Sciences major, Ecology and Evolutionary Biology concentration, III.
	Upper-Division Courses, D. Physiology/Chemical Ecology
	Nutrition major, Term 5
	Nutrition minor, Required Courses heading
	Nutrition department and program text
	NUTR 313 (RE) Prerequisite
	NUTR 314 (RE) Prerequisite

Rationale: Background in organic chemistry provides key preparation for success in NUTR 311 and, although it has not previously been listed as a prerequisite, students have been strongly advised to complete organic chemistry prior to NUTR 311. Adding it as a prerequisite clarifies the sequence expectation for students in the Nutrition major and minor. Additionally, because CHEM 350 is a milestone, occurring in a term prior to NUTR 311, and because CHEM 120-130 are prerequisites for CHEM 350, this will simplify the information for students in the major. Impact: There are no impacts associated with this revision as only the Nutrition major and minor require NUTR 311 and CHEM 350 is already a requirement for both the major and minor. Financial impact: None.

DROP WC GENERAL EDUCATION DESIGNATION

***412 Food and Nutrition in the Community (3)**

Course Impact	
Course	Catalog Location
NUTR 412	Nutrition major, Term 8

Rationale: At present, NUTR students receive technical writing experience primarily in NUTR 412. With the gradual increase in class size over time from an average of 15 (2003-2007) to >40 in recent years, the technical writing component of NUTR 412 has greatly increased the burden on instructors of record, and has resulted in increased student dissatisfaction due to the combination of advanced-level complex content, the service learning requirement, and extensive writing. Therefore, in order to assure adequate and satisfactory technical writing experience, in 2013 the NUTR faculty voted to phase out the writing component of NUTR 412 by spring 2015, and to add a technical writing course elective to the junior year of the curriculum. This was a two-step process. The first step, to add a technical writing course elective to the junior year of the curriculum was

completed, with support of the English Department, in the 2011-2012 academic year. The second step is to remove the WC from the course description, and to revise the syllabus to reflect this change. Nutrition and nutrition-interest students who would be affected have been made aware of this proposed change and the addition of a technical writing course through advising and new major orientation in spring 2013. Impact on other units: None, as the impact on the English Department was discussed during step one (2012-2013). Financial impact: None.

DEPARTMENT OF PUBLIC HEALTH

(PUBH) Public Health

ADD

330 Emergency Management (3) Civil and defense problems: tornadoes, floods, fires, mass civil disorders, and nuclear and personnel attack by alien countries.

Repeatability: May not be repeated.

350 Public Health Aspects of Aging (3) Knowledge and understanding of biological, psychological, and sociological aspects of aging as related to health and wellness of individual.

Repeatability: May not be repeated.

Rationale: Emergency Management and Public Health Aspects of Aging draw on the existing strengths of the Department of Public Health. Impact on other units: None expected. Financial impact: None expected. The classes will be taught by current DPH faculty or adjunct.

401 Global Public Health (3) Discussion of the social, economic, political, environmental, and cultural determinants of health including measurements of health and burden of disease.

Repeatability: May not be repeated.

(RE) Prerequisite(s): 201.

Rationale: This course is one of the three core courses required for the new undergraduate minor in public health. Impact on other units: None expected beyond benefit of having the minor. Financial impact: None expected. This class will be taught by current DPH faculty or adjunct.

420 Environmental Public Health (3) Designed to help students understand the Public Health issues related to environment and human activities.

Repeatability: May not be repeated.

Rationale: This course is one of the elective courses recommended for the undergraduate minor in public health. Impact on other units: None expected beyond benefit of having the minor. Financial impact: None expected. This class will be taught by current DPH faculty or adjunct.

ADD

201 Introduction to Public Health (3) Aspects of public health including discussion of contemporary and controversial health issues.

202 Introductory Epidemiology (3) Provides an introduction to epidemiology as one of the core disciplines of public health. Focus will be on learning and applying basic principles of epidemiology to infectious, acute, and chronic diseases. Emphasis will also be placed on the applications of epidemiological principles and skills as they relate to primary, secondary, and tertiary prevention.

(RE) Prerequisite(s): 201.

DROP

300 Introduction to Public Health (3)

305 Disease Epidemiology, Prevention, and Control (3)

Equivalency Table

Current Course Public Health (PUBH)	Equivalent Course Effective Fall 2014 Public Health (PUBH)
300	201
305	202

Course Impact

Course	Catalog Location
PUBH 300	Economics major (Business Administration), Traditional Option, footnote 6
	Kinesiology major, footnote 6
	Child and Family Studies major, Community Outreach track, Children and Families at Risk/Community Services specialty area
PUBH 305	Animal Science major, Animal Industries concentration, footnote 7
	Animal Science major, Bioscience concentration, footnote 3

	Animal Science major, Pre-Veterinary Medicine concentration, footnote 3
	Child and Family Studies major, Community Outreach Track, Children and Families at Risk/Community Services specialty area

Rationale: To target Sophomore and Junior undergraduate students for the initial required course in the Public Health minor. Guideline recommends Epidemiology as a core course for the undergraduate minor in public health. Impact on other units: None expected. Financial impact: None expected. The classes will be taught by current DPH faculty or adjunct.

DEPARTMENT OF RETAIL, HOSPITALITY, AND TOURISM MANAGEMENT

(HRT) Hotel, Restaurant and Tourism

DROP

392 Professional Experience I (3)

Course Impact	
Course	Catalog Location
HRT 392	Hotel, Restaurant, and Tourism major, Term 6
	HRT 492 (RE) Prerequisite

Rationale: We have decided to require only one internship to better serve student needs, and to align our program with RCS. Impact on Other Units: None. Financial Impact: None.

REVISE TITLE, REVISE DESCRIPTION, REVISE (RE) PREREQUISITE, ADD REGISTRATION RESTRICTION

492 Professional Experience (6) Supervised educational experiences in selected hospitality operations.

(RE) Prerequisite(s): 390.

Registration Restriction(s): Hotel, restaurant and tourism major.

Formerly: Professional Experience II (6) Supervised managerial training with sponsoring hospitality organizations.

(RE) Prerequisite(s): 392 and 410.

Rationale: Course title change reflects that it is the only internship, as do the prerequisites and registration restrictions. This class was chosen to keep, as it has six credits and the 400-level designation is more appropriate for progression. Will change the required internship credits to graduate with HRT major from three to six. Impact on Other Units: None. Financial Impact: None.

(RCS) Retail and Consumer Sciences

ADD REGISTRATION RESTRICTION

480 Fashion Retail Market Planning and Execution (3)

Registration Restriction(s): Retail and consumer sciences major.

Course Impact	
Course	Catalog Location
RCS 480	Retail and Consumer Sciences major, footnote 5
	Retail and Consumer Sciences minor, Select 9 hours heading

Rationale: Limited availability should be reserved for RCS majors. Impact on Other Units: None. Financial Impact: None.

DEPARTMENT OF THEORY AND PRACTICE IN TEACHER EDUCATION

(AUSP) Audiology and Speech Pathology

ADD REGISTRATION RESTRICTION

300 Introduction to Communication Sciences and Disorders (3)

Registration Restriction(s): Minimum student level—sophomore.

Course Impact	
Course	Catalog Location
AUSP 300	Special Education major, Education of the Deaf and Hard of Hearing concentration, Professional Electives: Elementary License
	Special Education major, Communication Disorders concentration, Term 4, Term 4 milestone, program text

	Child and Family Studies major, Community Outreach track, Working with Children specialty area
	Audiology and Speech Pathology department text
	AUSP 431 (RE) Prerequisite
	AUSP 433 (RE) Prerequisite
	AUSP 435 (RE) Prerequisite
	AUSP 440 (RE) Prerequisite
	AUSP 461 (RE) Prerequisite
	AUSP 499 (DE) Prerequisite

Rationale: The addition of sophomore status or better will prevent students from being unprepared for course content and facilitate academic advising. Impact on Other Units: None. Financial Impact: None.

(EDDE) Education of the Deaf and Hard of Hearing

REVISE DESCRIPTION

310 Practicum with the Deaf and Hard of Hearing (3) Supervised practicum with deaf and hard of hearing students. Lesson and unit plan writing with deaf and hard of hearing students.

Formerly: Supervised practicum with deaf and hard of hearing students.

410 Practicum with the Deaf and Hard of Hearing (3) Supervised practicum with deaf and hard of hearing students. Classroom management strategies with deaf and hard of hearing students.

Formerly: Supervised practicum with hearing impaired students in preschool, public school, and/or residential school setting.

Rationale: The change is to provide more description so as to distinguish it from the other practicum class, EDDE 410. Impact on other units: None. Financial impact: None.

425 Introduction to the Psychology and Education of the Deaf and Hard of Hearing (3) Primarily for those planning to work with the deaf and hard of hearing. Research related to psychology, social adjustment, communication methodology, language development, and education of the deaf and hard of hearing. Survey of literature. Visits to programs.

Formerly: Primarily for those planning to teach the hearing impaired. Research related to psychology, social adjustment, communication methodology, language development, and education of the hearing impaired. Survey of literature. Visits to programs.

Rationale: Dated terminology. "Hearing Impaired" is not the preferred terminology of the Deaf community. The class also serves more students than just future teachers. Impact on other units: None. Financial impact: None.

(MEDU) Mathematics Education

REVISE (RE) PREREQUISITE, ADD COMMENT

†433 Classroom Interactions in Math and Science (3)

(RE) Prerequisite(s): *Interdisciplinary Programs 110 and 120; Mathematics Education 432 or Science Education 432.*

Comment(s): *Cumulative GPA of 2.7 or higher required.*

Formerly: Interdisciplinary Programs 110 and 120; Mathematics Education 432 or Science Education 432; cumulative GPA of 2.7 or higher.

Rationale: Changing "GPA of 2.7 or higher" from (RE) Prereq to a comment because it cannot be enforced by the registration system in Banner. Impact on other units: None. Financial impact: None.

(SCED) Science Education

REVISE (RE) PREREQUISITE, ADD COMMENT

†433 Classroom Interactions in Math and Science (3)

(RE) Prerequisite(s): *Interdisciplinary Programs 110 and 120; Mathematics Education 432 or Science Education 432.*

Comment(s): *Cumulative GPA of 2.7 or higher required.*

Rationale: Changing "GPA of 2.7 or higher" from (RE) Prereq to a comment because it cannot be enforced by the registration system in Banner. Impact on other units: None. Financial impact: None.

(SPED) Special Education

ADD

325 Applied Research Designs for Diverse Learners (1) Applied Research Designs for Diverse Learners is designed to provide students with knowledge and skills related to research activities in an applied context.

Registration Restriction(s): Admission to Teacher Education.

Rationale: The purpose of this course is to provide students an opportunity to engage in research activities, scholarly knowledge, and answers to interesting questions. Benefits of Undergraduate Research include: (a) enhanced student learning through mentoring relationships with faculty, (b) increased retention, (c) increased enrollment in graduate education and provides effective career preparation, (c) development of critical thinking, creativity, problem solving and intellectual independence, (d) development of an understanding of research methodology, and (e) promotion of an innovation-oriented culture. (http://www.cur.org/about_cur/fact_sheet/) Impact on other units: This course complements other courses offered in special education and in the department of theory and practice in teacher education. Financial impact: None. Faculty already work with undergraduate students on research projects.

422 Field Experiences in Special Education Programs: Moderate to Severe Disabilities (3) This course is designed to provide a practicum experience in teaching K-12 students with moderate to severe disabilities. Students will plan, implement and evaluate instruction for K-12 students with moderate to severe disabilities. This course will include (a) learning characteristics of students with moderate to severe disabilities, (b) overview of appropriate curriculum models, (c) research-based instructional practices, (d) research-based strategies to engage students, maintain and facilitate appropriate behavior, (e) various setting consideration for instruction, and (f) appropriate assessments for students with moderate to severe disabilities.

(DE) Prerequisite(s): 402.

(DE) Corequisite(s): 432.

Registration Restriction: Admission to Teacher Education.

Rationale: The purpose of this course is to provide a practicum experience in teaching K-12 students with moderate to severe disabilities. This practicum will provide students an opportunity to practice and demonstrate required professional standards for teacher certification. Impact on other units: None. Financial impact: Adding this course as an undergraduate course will have no significant impact financially or with existing faculty teaching loads, as this practicum is already being supervised by current faculty as part of SPED 432.

490 Applications of Assistive Technology (3) Application of assistive and instructional technology for students in all disability categories and across all chronological and functioning age ranges. Adaptive software, hardware for access, and strategies for technology usage, assessment, and instruction.

(DE) Prerequisite(s): 402.

Registration Restriction(s): Admission to Teacher Education.

Rationale: Individuals with disabilities often require the use of assistive technology to reach their maximum potential in classroom, home, and community settings. This course is designed to provide a foundational knowledge of assistive technology and an overview of the types of technologies that are available to assist individuals with disabilities in increasing their functional capabilities. Course objectives will be met through the teaching strategies of lecture, discussion, case study examples and assignments, demonstration, hands-on lab activities, and textbook and journal reading to ensure that students are able to make effective instructional decisions in the area of assistive technology. Impact on other units: This course is the undergraduate version of a graduate course currently being offered during the summer session. Financial impact: Adding this course as an undergraduate course will have no significant impact financially or with existing faculty teaching loads, as this course is already being taught by current faculty.

(FLED) Foreign Language/ESL Education

DROP ACADEMIC DISCIPLINE AND ALL COURSES

455 Teaching of Foreign Language, Grades 7-12 (3)

466 ESL Assessment and Evaluation (3)

476 Teaching English as a Second Language (3)

489 Content-Based ESL Methods (3)

(WLEL) World Language Education/English as a Second Language Education

ADD NEW ACADEMIC DISCIPLINE AND COURSES

455 Teaching of World Languages (3) ACTFL standards-based instructional methods, resources, integrated technologies, second language theories, research and evaluation for world languages. Required for licensure in World Languages.

Recommended Background: Completion or near completion of world language hours for certification.

Registration Restriction(s): Admission to teacher education or consent of instructor.

466 ESL Assessment and Evaluation (3) Highlights the implementation of authentic assessment, specifically, portfolio assessment for ESL students in K-12 settings. Focuses on designing appropriate tools for various assessment purposes. Specific types and different forms of assessment are examined based on their effectiveness and meaningfulness. Required for Tennessee (PreK-12) licensure.

Comment(s): Admission to teacher education.

476 Teaching English as a Second Language (3) TESOL standards-based ESL pedagogy, practices, research, second language theories, instructional strategies and integrated technologies that accommodate students at all levels of ESL/EFL settings. Required for Tennessee (PreK-12) licensure.

Comment (s): Admission to teacher education.

489 Content-Based ESL Methods (3) This course focuses on designing and implementing content-based ESL instruction to enhance English language learners' academic achievement. Required for Tennessee (PreK-12) licensure.

Registration Restriction(s): Admission to teacher education or consent of instructor.

Equivalency Table

Current Course Foreign Language/ESL Education (FLED)	Equivalent Course Effective Fall 2014 World Language Education/English as a Second Language Education (WLEL)
455	455
466	466
476	476
489	489

Course Impact

Course	Catalog Location
FLED 455	Secondary Education minor, Post-Baccalaureate Professional Year, Specialty Studies heading
	Interdisciplinary Programs major, Linguistics concentration, Concentration Requirements, Select 9 hours heading
	Linguistics minor, Select 6 hours heading
FLED 466	Special Education major, Education of the Deaf and Hard of Hearing concentration, Professional Electives, Elementary License
	English Language Learning minor, Post-Baccalaureate Professional Year
FLED 476	Special Education major, Education of the Deaf and Hard of Hearing concentration, Professional Electives, Elementary License
	English Language Learning minor, Complete (18 undergraduate hours) heading
FLED 489	Special Education major, Education of the Deaf and Hard of Hearing concentration, Professional Electives, Elementary License
	English Language Learning minor, Complete (18 undergraduate hours) heading

Rationale: The requested changes are needed because: 1) Initial licensure in Tennessee is changing from a 7-12 foreign language licensure to PreK-12 World Language licensure. Therefore, the program needs to be aligned with these revisions. 2) There will no longer be a secondary minor for foreign language education (7-12); it will be a PreK-12 World Language Education Minor. The suggested course description edits reflect the change from Foreign Language to World Language Education. Removing the registration restriction from WLEL 476 will allow a greater student population to register for this class including Linguistics majors and those students who are not matriculating a licensure program in Teacher Education. Impact on other units: None. Financial impact: None. Existing courses taught by present faculty who will deliver all required coursework for the new program.

II. PROGRAM CHANGES

REVISE COLLEGE TEXT

Minors

The academic departments within the College of Education, Health and Human Sciences offer minors in child and family studies, elementary education (for Arts and Sciences students only), middle grades education (for Arts and Sciences students only), nutrition, restaurant and food service management, retail and consumer sciences, retail technology, secondary education (for Arts and Sciences students only), **English as a Second Language education (for Arts and Sciences students only)**, **world language education (for Arts and Sciences students only)**, and tourism and hospitality management.

Students pursuing a minor must complete at least one-half of the required classes at the University of Tennessee, Knoxville, and all courses must be taken for a letter grade unless otherwise specified.

REVISE COLLEGE TEXT

Admission to Teacher Education

A student desiring to become a teacher, regardless of college affiliation or academic major must be formally admitted to the Teacher Education Program. Admission to Teacher Education allows a student to enroll in upper-division professional education courses.

Admission requirements include, but are not limited to the following:

1. Academic achievement – minimum 2.7 cumulative GPA including transfer courses.
2. Minimum number of hours completed and required courses for Admissions Board Interviews:
 - a. 45 credit hours for agriculture education, art education, music education, special education, and VolsTeach math and science secondary education; 60 credit hours for PreK-K education, early childhood education, elementary

- education, and middle grades education; 75 credit hours for secondary education (English, social sciences), English as a Second Language education, and world language education (English, English as a Second Language, foreign language education, social sciences); and 90 credit hours for early childhood education.
- b. completion of specific courses prior to admission to the following teaching areas: mathematics education – MATH 141*-MATH 142*, plus at least six hours 200-level mathematics; science education – at least eight hours of laboratory natural science; music education – MUTH 210 and at least one semester 200-level (applied) music; English education, English as a Second Language education, and world language education – minimum nine hours 300-level in respective fields with minimum 3.0 GPA (to include all courses in the target subject); English education and foreign language education – minimum nine hours 300-level in respective fields with minimum 3.0 GPA (to include all courses in the target subject); and early childhood education – CFS 350 completed or currently enrolled.
 3. Standardized test performance – minimum 22 ACT (enhanced version) composite score; 1020 SAT (revised version) total score; or State Board of Education determined passing scores on PRAXIS I (contact the college's Student Services Center for current PRAXIS I score requirements).
 4. Speech and hearing screening – prospective teachers must perform within normal limits on measures of speech and hearing proficiency or participate in remedial therapy through the university's Hearing and Speech Center. Hearing impaired applicants are exempt from this screening, but must inform the college's Office of Teacher Education Admissions of their impairment before an Admissions Board interview can be scheduled.
 5. Tennessee state law (TCA 49-5-5610) requires that students wishing to enter an approved higher education educator preparation program must submit to a criminal history background check. Admission to the program is dependent on clearance of any conviction(s) as referenced to a list of crimes that would prohibit a person from being licensed in Tennessee.

Rationale: The requested changes are needed because: 1) Initial licensure in Tennessee is changing from a 7-12 foreign language licensure to PreK-12 World Language licensure. Therefore, the program needs to be aligned with these revisions. 2) There will no longer be a secondary minor for foreign language education (7-12); it will be a PreK-12 World Language Education Minor. Impact on other units: None. Financial impact: None. Existing courses taught by present faculty who will deliver all required coursework for the new program.

DEPARTMENT OF CHILD AND FAMILY STUDIES

REVISE DEPARTMENT TEXT

Program Policies and Progression Requirements

The child and family studies major provides the undergraduate preparation needed for a student who would like to be licensed to teach early childhood education in the State of Tennessee (PreK-3). The early childhood education licensure option is offered in conjunction with a master's degree in child and family studies (early childhood education concentration). Upon attainment of 60 hours, students will complete the admission to teacher education process (see details in the teacher education section of this catalog) and simultaneously make application for admission to the MS with a major in child and family studies (See the Graduate Catalog for details.) Acceptance into the teacher licensure program is contingent upon acceptance into the department's master's program. Students interested in this option should work closely with their advisor to ensure that they understand and meet the teacher education program requirements and the requirements for graduate study and that they strictly follow the application process.

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 and allows for flexibility and individualization. Students design a program of study in consultation with their advisor that includes a core of required courses, a complement of specialty courses 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.

uTrack Requirements (for first-year students)

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 may include successful completion of specified courses and/or attainment of a minimum GPA. uTrack requirements only affect first-time, first-year, full-time, degree-seeking students entering Fall 2013.

Progression Requirements

Students are expected to know the criteria they must meet in order to progress into a practicum (CFS 470, CFS 472, CFS 480, or CFS 490) and to regularly monitor their progress in meeting these criteria. Students will not be allowed to progress into the practicum until these criteria are met. If students do not appear able to meet these criteria, they are encouraged to work closely with their advisor to plan an alternative educational program. Specific information on how to apply for the practicum is available from the student's advisor. Students must work closely with their advisor to ensure that they understand the requirements for progression and that they strictly follow the application process for the practicum experience of their choice.

Rationale: These changes were proposed in order to make the CFS licensure program requirements for progression in line with the requirements of other licensure programs in the college. These changes will benefit our students and our recruitment efforts. Financial impact: None. Impact on other units: None.

REVISE PROGRAM TEXT, CHILD AND FAMILY STUDIES MAJOR, EARLY CHILDHOOD EDUCATION TEACHER LICENSURE PRE K-3 TRACK

Program Policies and Progression Requirements

The child and family studies major provides the undergraduate preparation needed for a student who would like to be licensed to teach early childhood education in the State of Tennessee (PreK-3). The early childhood education licensure option is offered in conjunction with a master's degree in child and family studies (early childhood education concentration). Upon attainment of 60 hours, students will complete the admission to teacher education process (see details in the teacher education section of this catalog) and simultaneously make application for admission to the MS with a major in child and family studies (See the Graduate Catalog for details.) Acceptance into the teacher licensure program is contingent upon acceptance into the department's master's program. Students interested in this option should work closely with their advisor to ensure that they understand and meet the teacher education program requirements and the requirements for graduate study and that they strictly follow the application process.

~~The child and family studies major provides the undergraduate preparation needed for a student who would like to be licensed to teach early childhood education in the State of Tennessee (PreK-3). The early childhood education licensure option is offered in conjunction with a master's degree in child and family studies (early childhood education concentration). Upon attainment of senior status (i.e., 90 hours), students will complete the admission to teacher education process (see details in the teacher education section of this catalog) and simultaneously make application for admission to the MS with a major in child and family studies (See the Graduate Catalog for details.) Acceptance into the teacher licensure program is contingent upon acceptance into the department's master's program. Students interested in this option should work closely with their advisor to ensure that they understand and meet the teacher education program requirements and the requirements for graduate study and that they strictly follow the application process.~~

uTrack Requirements (for first-year students)

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 may include successful completion of specified courses and/or attainment of a minimum GPA. uTrack requirements only affect first-time, first-year, full-time, degree-seeking students entering Fall 2013.

Progression Requirements

Students are expected to know the criteria they must meet in order to progress into a practicum (CFS 470, CFS 472, CFS 480, or CFS 490) and to regularly monitor their progress in meeting these criteria. Students will not be allowed to progress into the practicum until these criteria are met. If students do not appear able to meet these criteria, they are encouraged to work closely with their advisor to plan an alternative educational program. Specific information on how to apply for the practicum is available from the student's advisor. Students must work closely with their advisor to ensure that they understand the requirements for progression and that they strictly follow the application process for the practicum experience of their choice.

Rationale: These changes were proposed in order to make the CFS licensure program requirements for progression in line with the requirements of other licensure programs in the college. These changes will benefit our students and our recruitment efforts. PSYC 210 was dropped this year, and POLS 340 was renumbered. Financial impact: None. Impact on other units: None.

REVISE CHILD AND FAMILY STUDIES MAJOR, COMMUNITY OUTREACH TRACK

³ Select two courses from PSYC 110*, ~~PSYC 210~~, PSYC 220, ~~PSYC 301~~; SOCI 110*, SOCI 120*.

⁵ Specialty areas

Children and Families at Risk/Community Services

CFS 481 - Research in Child and Family Studies
 CMST 210 - Public Speaking *
 CMST 416 - Interpersonal Health Communication
 CMST 442 - Organizational Communication Processes
 PBRL 270 - Public Relations Principles
 PHIL 345 - Bioethics *
 POLS 311 - Contemporary Issues in American Public Policy
 POLS 312 - Popular Culture and American Politics
 POLS ~~240~~ 340 - Introduction to Public Administration and Public Policy
 PSYC 330 - Abnormal Psychology
 PSYC 430 - Health Psychology
 PUBH 300 - Introduction to Public Health
 PUBH 305 - Disease Epidemiology, Prevention, and Control
 PUBH 430 - Suicide and Crisis Intervention
 SOCI 110 - Social Problems and Social Justice *
 SOCI 341 - Social Inequalities
 SOCI 352 - Deviance and Social Control
 SOCI 449 - Juvenile Delinquency and Social Policy
 SOWK 200 - Introduction to Social Work
 SOWK 250 - Social Welfare
 SPED 470 - Psychology of the Exceptional Child
 WOST 340 - Women, Politics, and the Law

Rationale: PSYC 210 was moved to a 300-level course, and POLS 340 was renumbered. Financial impact: None. Impact on other units: None.

REVISE CHILD AND FAMILY STUDIES MAJOR, EARLY CHILDHOOD EDUCATION PRE-K-3 TRACK

² Select two courses from PSYC 110*, ~~PSYC 210~~, PSYC 220, ~~PSYC 301~~; SOCI 110*, SOCI 120*.

Rationale: PSYC 210 was moved to a 300-level course. Financial impact: None. Impact on other units: None.

REVISE CHILD AND FAMILY STUDIES MAJOR, EARLY DEVELOPMENT AND LEARNING PREK-K TRACK

² Select two courses from PSYC 110*, ~~PSYC 210~~, PSYC 220, ~~PSYC 301~~; SOCI 110*, SOCI 120*.

Rationale: PSYC 210 was moved to a 300-level course. Financial impact: None. Impact on other units: None.

DEPARTMENT OF KINESIOLOGY, RECREATION AND SPORT STUDIES

REVISE PROGRAM TEXT, KINESIOLOGY MAJOR

Progression and Retention Requirements

Admission into the kinesiology major requires a minimum undergraduate cumulative GPA of 2.5 after a minimum of 45 hours of coursework and completion of KNS 100, CHEM 120*, and PHYS 221*.

Students ~~not following the uTrack requirements must apply~~ ~~must be admitted~~ to the Kinesiology major prior to the completion of 75 hours of coursework. Hours earned through AP credit or dual enrollment while in high school do not count toward this total. Applications to the Kinesiology major can be obtained by visiting HPER 322. Once the application is complete and all requirements are met, students will be scheduled for a transcript evaluation ~~meeting with department advising staff~~ ~~a kinesiology faculty member~~.

~~Students following the 2013-2014 catalog or a subsequent version will transition from college to department advising upon completion of Term 4 requirements as listed in the table below. College and department advising personnel will assist students in making this transition.~~

Any professional courses, taken before or after progression into the kinesiology program, must be passed with a minimum letter grade of C. No professional courses with a grade below C will be counted toward the major. Professional courses are BCMB 230, all kinesiology courses, and all professional and department electives.

Students admitted into the kinesiology major must have a cumulative GPA of 2.5 to register for all 400-level kinesiology classes.

Rationale: Extends minimum grade requirement to apply to all elective courses offered by department. Clarifies changes due to the adoption of uTrack. Impact on other units: None. Financial Impact: None.

REVISE KINESIOLOGY MAJOR

Term 1	Hours	Milestone Notes
¹ Arts and Humanities Elective*	3	2.3 cumulative GPA
CHEM 120* or CHEM 128*	4	
ENGL 101* or ENGL 118*	3	
² MATH 125* or MATH 141* or MATH 147*	3	
³ Physical Education Activity Program Electives	2	
Term 2		
CHEM 130* or CHEM 138*	4	MATH 125* or MATH 141*
ENGL 102*	3	
MATH 115* or STAT 201* or STAT 207*	3	
PSYC 110* or PSYC 117*	3	
⁴ Unrestricted Elective	3	
Term 3		
BCMB 230	5	2.5 cumulative GPA
CMST 210*, CMST 217*, CMST 240*, or CMST 247*	3	CHEM 130*
KNS 100	1	
PHYS 221*	4	
³ Physical Education Activity Program Electives	2	
Term 4		
¹ Arts and Humanities Elective*	3	KNS 100

¹ Cultures and Civilizations Elective*	3	PHYS 221*
KNS 260	1	
NUTR 100*	3	
PHYS 222*	4	
Term 5		
ENGL 295* or ENGL 360* or PHIL 252* or PHIL 345*	3	2.5 cumulative GPA
⁵ Department Electives	6	BCMB 230
KNS 332	3	
¹ Social Sciences Elective*	3	
Term 6		
¹ Cultures and Civilizations Elective*	3	2.5 cumulative GPA
KNS 335 , KNS 350	3 6	KNS 332
⁸ Kinesiology Elective	3	
⁶ Professional Electives	6	
Term 7		
⁵ Department Electives	3 6	2.5 cumulative GPA
⁷ KNS 414, ⁷ KNS 422	6	
² Unrestricted Electives	6 3	
Term 8		
⁷ KNS 480	3	No milestones
⁶ Professional Electives	9	
² Unrestricted Elective	3	
TOTAL	120	

* Meets University General Education Requirement.

1 Select courses from the University General Education list.

2 If math placement score is not high enough to enter into MATH 125* or MATH 141* directly, MATH 119 or MATH 123* or MATH 130* is recommended. If taken, MATH 119, MATH 123*, or MATH 130* can be counted as a general elective.

3 Student must pass a total of 4 hours in physical education classes. Participation in athletic competition does not count toward these hours. See advisor.

4 Classes that do not count in other areas of the Kinesiology curriculum can be counted as unrestricted electives.

5 Select courses from KNS 231, KNS 290, ~~KNS 334, KNS 335~~, KNS 365, KNS 370, KNS 380, KNS 426, KNS 440, KNS 450, KNS 490, KNS 493, KNS 497; RSM 226, RSM 326, RSM 335, RSM 336, RSM 337, RSM 338, RSM 370, RSM 405, RSM 415, RSM 424, RSM 426, RSM 450. Department electives must be passed with a minimum grade of "C."

6 Select courses from ACCT 200; ANTH 480; any BCMB course; BIOL 101*, BIOL 102*, BIOL 150* 130*, BIOL 160* 140*, 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; ~~CMST-416~~; COSC 100*; ECON 201*; EEB 240; FINC 300; KNS 231, KNS 290, KNS 365, KNS 370, KNS 380, KNS 426, KNS 440, KNS 450, KNS 490, KNS 493, KNS 497; MARK 300; MGT 201, MGT 300; MICR 210*; NURS 351; NUTR 302; PHIL 244*, PHIL 252*; ~~PSYC-210~~, 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 201 300, PUBH 311; RSM 226, RSM 326, RSM 335, RSM 336, RSM 337, RSM 338, RSM 370, RSM 405, 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.

7 Kinesiology students must have a cumulative minimum GPA of 2.5 to register for these courses.

8 Select one course from KNS 231, KNS 290, or KNS 335.

Rationale: Department is unable to meet demand for KNS 335 requirement in Term 6 of previous showcase. Revised showcase gives students option to take either KNS 231, 290, or 335 to fulfill newly labeled "Kinesiology elective" that will replace current KNS 335 requirement. Impact on other units: None. Financial Impact: None.

REVISE RECREATION AND SPORT MANAGEMENT MAJOR, SPORT MANAGEMENT CONCENTRATION

⁶ May choose from KNS 490; RSM 310, RSM 330, ~~RSM 334~~, RSM 337, RSM 338, RSM 340, RSM 360, RSM 370, RSM 380 (class focus must be sport management), RSM 410, RSM 415, RSM 430, RSM 440, RSM 450, RSM 460. All courses on list (except KNS 490, RSM 337, RSM 338, and RSM 370) require progression into the recreation and sport management major.

Rationale: RSM 334 is a new course and needs to be added to electives list. Impact on other units: None. Financial Impact: None.

REVISE RECREATION AND SPORT MANAGEMENT MAJOR, THERAPEUTIC RECREATION CONCENTRATION

Term 1	Hours	Milestone Notes
CFS 210*	3	2.5 cumulative GPA
¹ CHEM 100* or CHEM 120* or CHEM 128* or BIOL 101*	4	
ENGL 101* or ENGL 118*	3	
PSYC 110* or PSYC 117*	3	
² Quantitative Reasoning Elective*	3	
Term 2		
¹ CHEM 110* or CHEM 130* or CHEM 138* or BIOL 102*	4	2.5 cumulative GPA
ENGL 102*	3	ENGL 101*
² Quantitative Reasoning Elective*	3	
RSM 201	4	
Term 3		
CLAS 273	3	2.5 cumulative GPA
CMST 210*, CMST 217*, CMST 240*, or CMST 247*	3	Quantitative Reasoning Elective*
³ RSM 320, ³ RSM 325	6	
⁴ Unrestricted Elective	4	
Term 4		
¹ BCMB 230	5	RSM 201
² Cultures and Civilizations Elective*	3	2.5 cumulative GPA
PHIL 252*	3	PSYC 110*
RSM 226, ³ RSM 290	6	
Term 5		
² Arts and Humanities Elective*	3	PSYC 110*
² Cultures and Civilizations Elective*	3	RSM 201
KNS 332 or EEB 240	3-4	
⁵ Professional Support Course Elective	3	
PSYC 330	3	
Term 6		
³ RSM 310, RSM 326, ³ RSM 390	9	No milestones
⁵ Professional Support Course Electives	6	
Term 7		
Psychology Elective (300-400 level course)	3	No milestones
RSM 405, RSM 420, RSM 430	9	
Recreation and Sport Management Elective (300-400 level course)	3	
Term 8		
^{3,6} RSM 490	12	No milestones
TOTAL	120	

* Meets University General Education Requirement.

1 Students taking BCMB 230 at UTK must take a chemistry sequence.

2 Select courses from the University General Education list.

3 Requires progression into the recreation and sport management major.

4 Select any course not already required for the major.

5 Courses must be in addition to those specified for the major and must be selected from 300- or 400-level courses in the following disciplines: child and family studies, psychology, sociology, recreation and sport management, special education, or kinesiology or KNS 290.

6 Must meet guidelines for national NCTRC certification.

Rationale: Changes ensure that students will be able to take RSM 320 before the Fall of their junior year. Impact on other units: None. Financial Impact: None.

DEPARTMENT OF NUTRITION

◆ DROP:

NUTRITION MAJOR

◆ADD:

NUTRITION MAJOR, DIETETICS CONCENTRATION
NUTRITION MAJOR, BASIC SCIENCE CONCENTRATION

Rationale: The Nutrition Major is being divided into two new concentrations. The current showcase and all relevant text will be replaced with the two new concentrations. Impact on other units: For each concentration, documentation has been provided in each relevant section, reflecting the impacted units' ability to manage the influx of NUTR students into the specific courses. Financial impact on our unit: The creation of the two concentrations will have no financial impact on our unit, as it will use existing faculty and will not significantly impact the current course load on faculty.

◆ADD NUTRITION MAJOR, 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 to take the Registration Examination and become a Registered Dietitian (RD)/Registered Dietitian Nutritionist (RDN) and 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.

uTrack Requirements (for first-year students)

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 may include successful completion of specified courses and/or attainment of a minimum GPA. uTrack requirements only affect first-time, first-year, full-time, degree-seeking students entering Fall 2013 or after.

Progression and Retention Requirements for Students not Following uTrack Requirements

Progression in the nutrition major, regardless of concentration, requires a minimum undergraduate UT cumulative GPA of 2.8 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 are available on the departmental website. 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.

Requirements for the Bachelor of Science in Health and Human Sciences • Nutrition Major: Dietetics Concentration

Term 1	Hours	Milestone Notes
CHEM 120* or CHEM 128*	4	2.5 cumulative GPA
ENGL 101* or ENGL 118*	3	
¹ Unrestricted Elective (MATH 119 recommended if needed)	3	
NUTR 100*	3	
PSYC 110* or PSYC 117*	3	
Term 2		
CHEM 130* or CHEM 138*	4	CHEM 120* with a grade of C or better
ENGL 102*	3	
¹ MATH 125* or MATH 141* or MATH 147*	3-4	
² Social Sciences Elective*	3	
Term 3		
BCMB 230	5	2.8 cumulative GPA
CHEM 350	3	CHEM 130* with a grade of C or better
² Cultures and Civilizations Elective*	3	NUTR 100* with a grade of C or better
NUTR 201	1	
¹ Unrestricted Elective	3	

Term 4³		
² Arts and Humanities Elective*	3	BCMB 230 with a grade of C or better
² Cultures and Civilizations Elective*	3	CHEM 350
MICR 210*	3	
NUTR 302	3	
STAT 201* or STAT 207*	3	
Term 5		
CMST 240* or CMST 247*	3	PSYC 110*
HRT 210	3	
⁴ NUTR 311	4	
CLAS 273	3	
¹ Unrestricted Elective	3	
Term 6		
¹ Unrestricted Elective	3	No milestones
⁴ FDST 241	3	
⁴ NUTR 313, ⁴ NUTR 314	6	
ENGL 295* or ENGL 360*	3	
Term 7		
⁴ NUTR 303, ⁴ NUTR 410, ⁴ NUTR 412, ⁴ NUTR 415, 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 423	7	
¹ Unrestricted Electives	5	
TOTAL	120	

* Meets University General Education Requirement.

- 1 Select any courses not already required for the major. Students who do not place into MATH 125* or MATH 141* will first take MATH 119 or MATH 123*, which can be used as an elective.
- 2 Select courses from the University General Education list.
- 3 Submit form for continuation in the major by Feb 1st. See Advisor.
- 4 Must be taken at UTK

Rationale: This change is needed to address the recommendations from the Department's Academic Program Review, completed in 2012, which recommended development of a 2-track major to meet needs of students interested in pursuing the major in preparation for careers outside of applied nutrition and dietetics practice. In addition, this will allow us to proactively address pending changes in ACEND accreditation requirements involving increasing practicum hours at the undergraduate level and increasing the percentage of students graduating from the Didactic Program in Dietetics (currently all nutrition majors) who apply for dietetic internships. Finally, this addresses student feedback received via an online survey conducted among sophomores, juniors, and seniors in spring 2013, indicating a desire to have the option of following a dietetics track or a basic science track in concordance with the 2012 Academic Program Review. Impact on other units: Course additions in the Dietetics Concentration impacting other departments include FDST 241. This change is based on discussions with FDST, and they are in agreement with this proposal. Please see the attached documentation. Financial impact: The Dietetics Concentration is similar to what has been offered previously and there is no increased course load for faculty in our department.

◆ ADD NUTRITION MAJOR, BASIC SCIENCE 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 Basic Science Concentration of the Nutrition Major prepares students for graduate study in biological and health sciences or for health professional programs, such as pharmacy and medicine. Additional coursework is necessary to meet health professional program prerequisites and integration of this coursework should be coordinated closely with the academic advisor and/or pre-health advising as these requirements will vary by program. Students completing this track are not eligible to apply to any ACEND-accredited dietetic internship programs.

uTrack Requirements (for first-year students)

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 may include successful completion of specified courses and/or attainment of a minimum GPA. uTrack requirements only affect first-time, first-year, full-time, degree-seeking students entering Fall 2013 or after.

Progression and Retention Requirements (for students not following uTrack requirements)

Progression in the nutrition major, regardless of concentration, requires a minimum undergraduate UT cumulative GPA of 2.8 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 are available on the departmental website. 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.

Requirements for the Bachelor of Science in Health and Human Sciences • Nutrition Major: Basic Science Concentration

Term 1	Hours	Milestone Notes
CHEM 120* or CHEM 128*	4	2.5 cumulative GPA
ENGL 101* or ENGL 118*	3	
¹ Unrestricted Elective (MATH 119 recommended if needed)	3	
NUTR 100*	3	
BIOL 150* or 158*	3	
Term 2		
CHEM 130* or CHEM 138*	4	CHEM 120* with a grade of C or better
ENGL 102*	3	
¹ MATH 125* or MATH 141* or MATH 147*	3-4	
BIOL 160* or 168*	3	
BIOL 159	2	
Term 3		
BCMB 230	5	2.8 cumulative GPA
CHEM 350	3	CHEM 130* with a grade of C or better
EEB 240	4	NUTR 100* with a grade of C or better
NUTR 201	1	
BIOL 220	2	
Term 4 ³		
CHEM 360	3	BCMB 230 with a grade of C or better
BIOL 240	4	CHEM 350
NUTR 302	3	
CLAS 273	3	
¹ Unrestricted Elective	2	
Term 5		
CMST 240* or CMST 247*	3	BIOL 240
⁴ NUTR 311	4	
STAT 201* or STAT 207*	3	
PSYC 110* or PSYC 117*	3	
¹ Unrestricted Elective	2	
Term 6		
BCMB 311	3	No milestones
² Arts and Humanities Elective*	3	
⁴ NUTR 313, ⁴ NUTR 314	6	
ENGL 295* or ENGL 360*	3	
Term 7		
² Cultures and Civilizations Elective*	3	No milestones
⁴ NUTR 412, ⁴ NUTR 415	6	
² Social Sciences Elective*	3	
¹ Unrestricted Elective	2	
Term 8		
² Arts and Humanities Elective*	3	No milestones
⁴ NUTR 416, ⁴ NUTR 420	6	
² Cultures and Civilizations Elective*	3	
¹ Unrestricted Elective	3	
TOTAL	120	

* Meets University General Education Requirement.

- 1 Select any courses not already required for the major. Students who do not place into MATH 125* or MATH 141* will first take MATH 119 or MATH 123*, which can be used as an elective.
- 2 Select courses from the University General Education list.
- 3 Submit form for continuation in the major by Feb 1st. See advisor.
- 4 Must be taken at UTK.

Rationale: This change is needed to address the recommendations from the Department's Academic Program Review, completed in 2012, which recommended development of a 2-track major to meet needs of students interested in pursuing the major in preparation for careers outside of applied nutrition and dietetics practice. In addition, this will allow us to proactively address pending changes in ACEND accreditation requirements involving increasing practicum hours at the undergraduate level and increasing the percentage of students graduating from the Didactic Program in Dietetics (currently all nutrition majors) who apply for dietetic internships. Finally, this addresses student feedback received via an online survey conducted among sophomores, juniors, and seniors in spring 2013, indicating a desire to have the option of following a dietetics track or a basic science track in concordance with the 2012 Academic Program Review. Impact on other units: Several courses in the proposed Basic Science Concentration have not been historically listed under nutrition and will impact four other departments: Chemistry; Biochemistry and Cellular and Molecular Biology; Biology; and Ecology and Evolutionary Biology. These courses include CHEM 360, BCMB 311, BIOL 150, BIOL 159, BIOL 160, BIOL 220, BIOL 240, and EEB 240. Documentation confirming agreement of the ability to manage the influx of NUTR students into these courses, from these four departments, is attached. Financial impact on our unit: The creation of the two concentrations will have no financial impact, as it will use existing faculty and will not significantly impact the current course load on faculty.

REVISE DEPARTMENT TEXT

The study of nutrition is heavily grounded in the biological sciences and biochemistry that underlie the understanding of how nutrients and non-nutritive food components contribute to human health and disease. The Nutrition major is designed for students interested in basic and applied health sciences and students are able to pursue one of two concentrations: the Dietetics Concentration and the Basic Science Concentration. Both concentrations include a foundation in the basic sciences and introductory nutrition coursework which is built upon through advanced coursework in nutrient metabolism, nutrition in disease prevention and treatment, community nutrition, and interpretation of nutrition research literature. The Dietetics Concentration additionally includes coursework in nutrition counseling, food science, and foodservice management that prepares graduates to apply for dietetic internships and careers as Registered Dietitians (RDs)/Registered Dietitian/Nutritionists (RDNs). The Basic Science Concentration includes advanced coursework in the basic sciences to prepare graduates for graduate study in biomedical health sciences and, with additional coursework planned with an advisor, provides a solid background for application to health professional programs. Students interested in preparing for both dietetic internships and other health professional programs should choose the Dietetics Concentration.

The Department of Nutrition promotes an understanding of nutrition for the enhancement of the physiological and social well-being of individuals and families across the lifespan through teaching, research and service. Students learn about nutritional needs from the smallest unit of the cell to the individual's needs throughout the life cycle; the ways that attitudes and beliefs influence food patterns; the management of resources in food service and the properties of foods. Thus, departmental programs service society through graduates who are able to interpret and contribute to social needs in regard to nutrition and wellness, both as professionals and as responsible citizens.

The professional discipline of nutrition is rooted firmly in general education and provides a clearly defined base of professional knowledge. The foundation for the major includes basic sciences, i.e., chemistry, microbiology, physiology, and psychology. The natural sciences provide a base for understanding nutrient functions in the body and the social sciences to better understand cultural aspects of food and food-related consumer needs. In addition, students with a strong research interest may prepare for research-oriented careers in laboratories or as graduate students in nutrition or other biomedical disciplines.

uTrack Requirements (for first-year students)

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 may include successful completion of specified courses and/or attainment of a minimum GPA. uTrack requirements only affect first-time, first-year, full-time, degree-seeking students entering Fall 2013.

Progression and Retention Requirements

Progression in the nutrition major, regardless of concentration, requires a minimum undergraduate UT cumulative GPA of 2.8 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 are available on the departmental website. 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. Applications are due February 1 and are available on the departmental website.

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, 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 major must enroll in NUTR 311 and should enroll in HRT 210 in the fall semester in order to remain in the program. If CHEM 350 has not yet been completed, students must also enroll in it for the fall semester. Students admitted to the 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, students must earn a grade of C or better in every required nutrition course.

Rationale: This replaces the preamble text, reflecting the replacement of the nutrition major with two concentrations, the rationale for which has been described in the relevant sections above. Impact on other units: Addressed in relevant sections above. Financial impact on our unit: Addressed in relevant sections above.

DEPARTMENT OF PUBLIC HEALTH

◆ADD PUBLIC HEALTH MINOR

The undergraduate minor in public health is intended to provide a broad exposure to the concepts of public health and the role of public health in assuring health, improving health, and protecting against threats to health. As a professional field, public health provides opportunities for careers that are important in the health of the community, nation, and world. As a field of scientific inquiry, public health offers opportunities to engage in research from many disciplinary perspectives. The undergraduate minor provides students with an understanding of the connections between public health and every aspect of life as well as the analytic approaches to understanding these connections. The minor can be an asset to students in determining their interest in graduate studies as well as entering into public health careers or other health-oriented careers after graduation. Students who wish to declare this minor should schedule an appointment with an advisor in the College of Education, Health and Human Sciences' Student Services Office in BEC 332.

Minor Requirements

The minor consists of **18 hours**.

Complete (with a grade of B or better):

- PUBH 201 – Introduction to Public Health

Complete:

- PUBH 202 – Introductory Epidemiology
- PUBH 401 – Global Public Health

Select three courses:

- PUBH 315 – Health of Adolescents
- PUBH 330 – Emergency Management
- PUBH 350 – Public Health Aspects of Aging
- PUBH 420 – Environmental Public Health
- PUBH 430 – Suicide and Crisis Intervention
- Additional electives may be considered with approval of the department head.

Rationale: Nationally, there is an increase in interest in public health. Several undergraduate majors at UT have expressed an interest in a minor in public health. As a newly formed Department of Public Health, we felt it was incumbent on us to develop and offer this minor, addressing the interest of undergraduates in the field of public health. Additionally, the courses will begin the process of training the next generation of public health practitioners. Course format and location: The Department of Public Health (DPH) has followed national standards for programs of undergraduate public health education, which recommends that a core of three courses including Introduction to Public Health, Global Public Health, and Epidemiology. These guidelines also included electives that are departmental or interdepartmental public health related courses based on the interests and strengths of our institution. Based on these recommendations the DPH suggested the above curriculum for the undergraduate minor in public health. Impact on other units: This minor will have a positive impact on the other units that have expressed an interest in a minor in public health, units with related majors, and units with students who choose to attend UTK because they can combine the major of their choice with the minor in public health. Financial impact: None expected. Capacity for teaching these classes is currently available with DPH faculty or adjuncts.

DEPARTMENT OF RETAIL, HOSPITALITY, AND TOURISM MANAGEMENT

REVISE HOTEL, RESTAURANT AND TOURISM MAJOR

⁵ Choose from HRT 101, HRT 330, HRT 423, HRT 435, HRT 440, HRT 445, HRT 450, HRT 455, HRT 484, HRT 493, HRT 494, **RCS 411**.

Rationale: RCS 411: Entrepreneurship & Small Business Management, is a very appropriate class for either RCS or HRT due to the broad subject matter and the number of students that show entrepreneurial interest. Impact on other units: None. Financial impact: None.

REVISE RETAIL AND CONSUMER SCIENCES MINOR

Minor Requirements

The minor consists of **15 hours**.

Complete:

- RCS 210 - Introduction to Retail Management
- RCS 341 - Consumers in the Marketplace

Select 9 hours:

- ~~RCS 225 - Fashion and Culture~~
- RCS 310 - Retail Buying and Merchandising
- RCS 311 - Human Resources Management in Hospitality and Retailing
- RCS 320 - Product Development
- RCS 346 - Retail Operations Management
- RCS 376 - Customer Relationship Management and Retail Analytics
- RCS 411 - Entrepreneurship and Small Business Management
- RCS 412 - e-Retailing
- RCS 421 - International Retailing
- RCS 425 - Retail Category Management
- RCS 435 - Retail Planning and Allocation
- ~~RCS 441 - Branding~~
- ~~RCS 480 - Fashion Retail Market Planning and Execution~~
- ~~RCS 484 - International Retail Industry Study Tour~~
- RCS 495 - Special Topics

Rationale: Non majors should not be able to use limited access courses, 480 and 484 for the minor. Addition of two new RCS courses (225 and 441) that are relevant to the RCS minor. Impact on other units: None. Financial impact: None.

DEPARTMENT OF THEORY AND PRACTICE IN TEACHER EDUCATION**REVISE DEPARTMENT TEXT****Teaching Minors**

Students who are earning a baccalaureate degree in the College of Arts and Sciences and who are also seeking teacher licensure in elementary education, English as a Second Language ~~education~~, English education, ~~foreign language education~~, middle grades education, ~~or~~ social science education, ~~or world language education~~ must earn a minor (or the equivalent of a minor) in elementary, ~~English as a Second Language education~~, ~~English language learning~~, middle grades, ~~world language education~~, or secondary education. Students interested in secondary mathematics or sciences teacher licensure must participate in the VolsTeach option offered through the College of Arts and Sciences.

Rationale: The requested changes are needed because: 1) Initial licensure in Tennessee is changing from a 7-12 foreign language licensure to PreK-12 World Language licensure. Therefore, the program needs to be aligned with these revisions. 2) There will no longer be a secondary minor for foreign language education (7-12); it will be a PreK-12 World Language Education Minor. Impact on other units: None. Financial impact: None. Existing courses taught by present faculty who will deliver all required coursework for the new program.

REVISE SPECIAL EDUCATION MAJOR, EDUCATION OF THE DEAF AND HARD OF HEARING CONCENTRATION

⁴ Biological Science Elective: ANTH 110*; BIOL 101*, BIOL 102*, BIOL 111*, BIOL 112*, BIOL 150* ~~130*~~, ~~BIOL 159~~, BIOL 160* ~~140*~~; EPP 201*; MICR 210*.

Professional Electives**Secondary License:**

Natural Sciences (Biology) - BIOL 140* ~~160*~~, BIOL 240, ~~BIOL 260~~, and BIOL 269 ~~BIOL 250~~.

Elementary License:

English as a Second Language - ENGL 474, ENGL 476, ENGL 477; ~~WLEL 466~~ ~~FLED 466/FLED 566~~, ~~WLEL 476~~ ~~FLED 476/FLED 576~~, ~~WLEL 489~~ ~~FLED 489/FLED 588~~.

Rationale: A) BIOL 130 and BIOL 140 have been replaced with BIOL 150, BIOL 159, and BIOL 160, effective Fall 2014. Changes are made in the list of BIOL science electives, and reflect the addition of new WLEL course numbers, too. B) Following the BIOL course changes, add-on endorsement requirements for Secondary Biology have changed (per Lisa Emery). The changes under secondary licensure/ biology reflect this. Impact on other units: None. Financial impact: None.

◆ DROP SPECIAL EDUCATION MAJOR, COMMUNICATION DISORDERS CONCENTRATION

◆ADD AUDIOLOGY AND SPEECH PATHOLOGY MAJOR, BS IN AUDIOLOGY AND SPEECH PATHOLOGY

The Department of Theory and Practice in Teacher Education at the University of Tennessee, Knoxville (UTK) and the Department of Audiology and Speech Pathology at the University of Tennessee Health Science Center (UTHSC) offer a joint undergraduate degree program focusing on course work in the scientific study of human communication sciences and disorders. The degree program requires 90 credit hours of general education, major requirements and elective courses. Students then complete 30 hours of major requirements in their final year through UTHSC. All courses are taught on the Knoxville campus. The 3+1 joint degree program culminates in a Bachelor of Science degree in Audiology and Speech Pathology awarded jointly through the College of Education, Health and Human Sciences at UTK and the College of Allied Health at UTHSC. Tuition for this program is the same for both campuses.

The joint degree undergraduate major is preparatory to graduate work and to professional certification in some aspect of speech, language, and hearing disorders. A master's degree in Speech Pathology or Doctor of Audiology degree is required for professional certificates and employment. Admission to the joint UTK/UTHSC undergraduate program does not guarantee admission to the graduate program at UTHSC. Detailed information about the joint degree program may be obtained from the departmental office in Audiology and Speech Pathology, 578 South Stadium Hall or through the CEHHS Student Services advisors, 332 Bailey Education Complex. Students are strongly encouraged to consult with the undergraduate advisors in the department as early as possible in their programs

uTrack Requirements (for first-year students)

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 may include successful completion of specified courses and/or attainment of a minimum GPA. uTrack requirements only affect first-time, first-year, full-time, degree-seeking students entering Fall 2013.

Progression Requirements

Once 60 credit hours have been completed with an overall GPA of 3.0 or above, students in the joint degree program will seek conditional admission to UTHSC. An application fee will be assessed. Full admission will be granted for those students who have completed 90 hours with a GPA of 3.0 or better and have completed the course, AUSE 300, Introduction to Communication Sciences and Disorders, with a grade of B or better. If admitted to the UTK/UTHSC joint degree program, the final year of the undergraduate program will be completed as an Audiology and Speech Pathology major. The admitted students will remain in Knoxville, where the Audiology and Speech Pathology Department is located. Tuition will be assessed based on UTK tuition rates.

Advising

Students in the 3+1 joint degree program will be advised by UTK and UTHSC advisors in their first three years and then exclusively by the UTHSC Department of Audiology and Speech Pathology in their final year. A transition advising meeting will be arranged for each student at the end of the sophomore year.

Requirements for the Bachelor of Science in Audiology and Speech Pathology • Audiology and Speech Pathology Major

Term 1	Hours	Milestone Notes
BIOL 101*	4	2.3 cumulative GPA
ENGL 101* or ENGL 118*	3	
PSYC 110* or PSYC 117*	3	
¹ Quantitative Reasoning Elective*	3-4	
² Unrestricted Elective	2	
Term 2		
BIOL 102*	4	Complete at least 24 hours by the end of the term
ENGL 102*	3	Quantitative Reasoning Elective*
MATH 115* or STAT 201* or STAT 207*	3	
POLS 101* or POLS 102* or POLS 107*	3	
² Unrestricted Elective	2	
Term 3		
¹ Arts and Humanities Elective*	3	ENGL 102*
CMST 210*, CMST 217*, CMST 240*, or CMST 247*	3	
¹ Intermediate Foreign Language*	3	
³ Non-US History*	3	
PHIL 252*	3	
Term 4*		
AUSE 300	3	AUSE 300 with a grade of B or better
EDPY 210	3	
¹ Intermediate Foreign Language*	3	
³ Non-US History*	3	
⁵ Physics/Chemistry Elective	3-4	
Term 5		
ASL 111	3	3.0 cumulative GPA
EDDE 425	3	

LING 200	3	
⁶ Professional Support Electives	6	
Term 6⁷		
ASL 112	3	No milestones
RSM 226 or RSM 405	3	
SPED 470	3	
⁶ Professional Support Electives	6	
Term 7		
AUSP 303, AUSP 305, AUSP 306, AUSP 320	12	No milestones
AUSP 433, AUSP 455	3	
Term 8		
AUSP 302	3	No milestones
AUSP 435, AUSP 461, AUSP 473, AUSP 494	12	
TOTAL	120	

* Meets University General Education Requirement.

1 Chosen from the University General Education list.

2 Select any courses not already required for the major. Recommended electives include additional American Sign Language (ASL), Educational Interpreting (EI) courses; continued foreign language beyond the intermediate level; calculus if pursuing audiology; additional courses in education of the deaf and hard of hearing (EDDE).

3 A two-course sequence is required from the following options: AFST 235-236; HIST 241-242, HIST 247-248, HIST 255-256, HIST 261-262, HIST 267-268; LAC 251-252; MRST 201-202.

4 Application for admission should be completed at the end of Term 4.

5 Chosen from CHEM 100*, CHEM 110*, CHEM 120*, CHEM 128*, CHEM 130*, CHEM 138*; PHYS 101*, PHYS 102*, PHYS 135*, PHYS 136*, PHYS 137*, PHYS 138*, PHYS 161*, PHYS 221*, PHYS 222*, PHYS 231*, PHYS 232*.

6 Professional Support Electives: Arts and Sciences elective from "Connections" (see advisor for selection); Arts and Sciences elective from "Global Challenges" (see advisor for selection); ASL 211, ASL 212; ASTR (any lecture course from the department); CFS 211, CFS 213, CFS 385; COUN 212, COUN 220; ECON 201; EDDE 416, EDDE 419; EEB 240; GEOG (any course from the department); LING 372; NUTR 100; PHIL 345; PSYC 210, PSYC 295, PSYC 300, PSYC 400, PSYC 410, PSYC 435; PUBH 201.

7 Full admission to 3+1 by the end of Term 6.

Rationale: The concentration in communication disorders will be dropped in order to comply with the Memorandum of Understanding between administrative officers at UT Knoxville (UTK) and UT Health Science Center (UTHSC). The attached MOU describes an agreement to develop a collaborative 3+1 joint degree BS program between the College of Education, Health and Human Sciences (CEHHS), UTK, and the College of Allied Health, UTHSC. The program meets the demand for an undergraduate major in Audiology and Speech Pathology (AUSP) as referenced in the MOU. (See attached MOU for additional information and background.) **Impact on Other Units:** There is little impact on other units. The major area content of the new joint degree has been offered by the Department of Audiology and Speech Pathology for nearly 50 years as either a standalone major or, beginning in 2008, as a concentration in the CEHHS through TPTE. The joint degree courses in CEHHS that are listed have been included either as requirements or elective options for students when the degree was offered by AUSP or as part of the concentration. The only courses that are now required that previously were offered as electives (ASL 111, ASL 112, EDDE 425, RSM 226 or 405, and SPED 470). The general education options will not be impacted as a result of this joint degree program. Students who begin their undergraduate study with the intention of graduating from the joint degree program and then either do not meet progression requirements or decide they would prefer a different degree program may still graduate on time by changing to a their major to in the College of Arts & Sciences. The curriculum has been designed so that students may change their degree program without difficulty if they have successfully completed general education requirements. In addition, course sequences have been designed to create an easy transition for students who meet the requirements and who wish to change to a Special Education major. **Financial Impact:** Requests for funding to support these needs will be advanced to the Provost's Office in keeping with the MOU and have been discussed with the course instructors to make certain that the requirement will not adversely affect the course. The content of the program is not substantially altered from the existing concentration in Communication Disorders. Changes are primarily in sequencing of courses.

MEMORANDUM OF UNDERSTANDING

Collaborative 3+1 Program**Joint Degree: Bachelor's (B.S.) Degree in Audiology and Speech Pathology****College of Education, Health and Human Sciences, University of Tennessee
Knoxville****College of Allied Health, University of Tennessee Health Science Center****CIP code: 31.51.0299.00 and 31.51.0204.00****For implementation August 1, 2013*****Executive Summary***

The UTK campus has scheduled the elimination of undergraduate courses in Audiology and Speech Pathology for 2014. This follows the 2008 transfer of the Department of Audiology & Speech Pathology from UTK to UTHSC. During this transition period (2008-2014), all departmental undergraduate courses are dual listed through UTK and UTHSC and taught by UTHSC faculty. These dual-listed courses serve as prerequisites to further study, with graduate degrees required for professional practice. The elimination of the undergraduate courses at UTK will deny students the opportunity to prepare for graduate work and add a year of graduate study (and tuition) to their post-baccalaureate education.

This proposal outlines a path for undergraduate students interested in pursuing a career as an Audiologist or Speech-Language Pathologist to complete their degree programs more efficiently and inexpensively by obtaining a joint undergraduate degree from UTK and UTHSC. In this model, students will be admitted to and complete 3 years of study in the College of Education Health and Human Sciences at UTK to meet general education and pre-major requirements. At the end of their junior year they will apply to and, if admitted, transfer in their senior year to the College of Allied Health at UTHSC to complete courses in audiology and speech pathology. This proposal also provides necessary financial support for the undergraduate courses in audiology and speech pathology by allocating the tuition generated by undergraduate majors to UTHSC and the departmental faculty who teach these classes.

Historically, undergraduate majors in the Department of Audiology & Speech Pathology were available in either Audiology or Speech Pathology. In keeping with national developments, the majors and degrees awarded in these professional areas have been merged at the undergraduate level. One major, now called Audiology & Speech Pathology, will provide the coursework necessary for the Bachelor of Science degree and progression into graduate study in either Audiology or Speech Pathology.

Program Rationale

Prompted by the planned phase out of the undergraduate courses in Audiology and Speech Pathology at UTK, this proposal describes a means to grant a joint undergraduate degree with a major in Audiology & Speech Pathology through the College of Education Health and Human Sciences at UTK and the College of Allied Health Sciences at UTHSC. According to the

Memorandum of Understanding, signed in October, 2008,

“... UTK will phase out the undergraduate degree programs in audiology and speech pathology over the next six years by following the regular curriculum review process. The 2008-09 UTK Undergraduate Catalog (the current academic year) will be the last catalog to list the undergraduate degrees in A&SP. Students wishing to pursue the major programs in that department must declare their majors by the beginning of the fall semester 2010, and shall graduate under the 2008-09 catalog. Courses will be in place to allow those students to graduate in a timely manner. All students pursuing the undergraduate A&SP degrees under the 2008-09 catalog must graduate by August 2014. These undergraduate students will remain Knoxville students and will not transfer to UTHSC.”

Through the creation of a joint undergraduate degree program in Audiology & Speech Pathology between UTK and UTHSC: (a) undergraduates will once again be able to obtain a degree that prepares them for graduate study, (b) the Department of Audiology & Speech Pathology will be able to consolidate undergraduate and graduate course offerings under one College and one University making management more efficient, and (c) the tuition generated through courses taught by UTHSC faculty will go to UTHSC.

REVISE AUDIOLOGY AND SPEECH PATHOLOGY DEPARTMENT TEXT

<http://www.uthsc.edu/allied/asp>

Ashley W. Harkrider, Interim Chair

The Department of Audiology and Speech Pathology offers course work in the scientific study of human communication sciences and disorders. ~~The programs in audiology, speech pathology, and speech and hearing science are offered on the University of Tennessee, Knoxville campus through the University of Tennessee Health Science Center. As a result of administrative changes, the graduate programs in audiology, speech pathology, and speech and hearing science are now offered by the University of Tennessee Health Science Center although the department is still located on the University of Tennessee, Knoxville campus. These programs are accredited by the Council on Academic Accreditation in Audiology and Speech Pathology. Please see the University of Tennessee Health Science Center catalog for department and course descriptions.~~

~~The undergraduate majors in audiology and speech pathology are no longer offered through the University of Tennessee, Knoxville. The same coursework (see below) is available to UTK students through the College of Education, Health, and Human Sciences.~~

◆ DROP SPECIAL EDUCATION MAJOR, MODIFIED AND COMPREHENSIVE SPECIAL EDUCATION CONCENTRATION

◆ ADD SPECIAL EDUCATION MAJOR, MODIFIED AND COMPREHENSIVE SPECIAL EDUCATION WITH K-5 CONCENTRATION (WITH OPTIONAL ENDORSEMENT IN EARLY CHILDHOOD SPECIAL EDUCATION)

uTrack Requirements (for first-year students)

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 may include successful completion of specified courses and/or attainment of a minimum GPA. uTrack requirements only affect first-time, first-year, full-time, degree-seeking students entering Fall 2013.

Progression Requirements

Progression to the modified and comprehensive with K-5 concentration requires a 2.7 cumulative GPA after a minimum of 45 semester hours of course work. A Board of Admissions will meet once each fall and spring to review applications and conduct interviews with each applicant. Students admitted to the program must maintain a minimum cumulative GPA of 2.7 while in the program. Students must earn a grade of C or better in all teacher education 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 • Modified and Comprehensive Special Education with K-5 Concentration (with Optional Endorsement in Early Childhood Special Education)

Term 1	Hours	Milestone Notes
¹ Biological Sciences with Lab Elective*	4	2.3 cumulative GPA
ENGL 101* or ENGL 118*	3	
² Quantitative Reasoning Elective*	3	
¹ Social Sciences Elective*	3	
³ Unrestricted Elective	3	
Term 2		
ENGL 102*	3	Quantitative Reasoning Elective*
¹ Physical Science w/out Lab Elective*	3	
² Quantitative Reasoning Elective*	3	
¹ Social Sciences Elective*	3	
³ Unrestricted Elective	3	
Term 3		
EDPY 210*	3	2.7 cumulative GPA
⁶ Economics Elective	3	ENGL 102*
⁴ Intermediate Foreign Language*	3	
⁵ Non-US History	3	
PHIL 252*	3	
Term 4*		
⁴ Intermediate Foreign Language*	3	Intermediate Foreign Language Elective*
⁵ Non-US History	3	
PHIL 244*	3	
⁶ Political Science Elective	3	
RSM 226	3	
Term 5*		
⁶ Geography Elective	3	Two Natural Sciences Electives*
INSC 330	3	
REED 430	2	
SPED 402	3	
TPTE 486	3	
Term 6		
ELED 351, ELED 422	8	No milestones
EDPY 401	3	
SPED 325	1	
Unrestricted Elective	3	
Term 7		
SPED 419, SPED 420, SPED 430, SPED 490	15	No milestones
Term 8		
SPED 422, SPED 432, SPED 459, SPED 456	15	No milestones
UNDERGRADUATE TOTAL		
	120	
POST-BACCALAUREATE PROFESSIONAL YEAR		
Students must apply to and be admitted by the Graduate School prior to registration.		
Term 9		
ELED Course	3	No milestones
TPTE 574, TPTE 575	9	
Term 10		
ELED Course	3	No milestones
TPTE 575, TPTE 591	9	
GRADUATE TOTAL		
	24	

* Meets University General Education Requirement.

NOTE: Optional early childhood special education licensure requires SPED 410, SPED 471, and ELED 445.

1 Chosen from University General Education list.

2 Students are required to complete two math or statistics courses from the Quantitative Reasoning University General Education list.

3 Select any course not already required for the major.

4 Select six hours of the same foreign language at the intermediate level, chosen from the University General Education list.

- 5 Two courses from AFST 235*, AFST 236*, HIST 241*, HIST 242*, HIST 247*, HIST 248*, HIST 261*, HIST 262*, HIST 267*, HIST 268*; LAC 251*, LAC 252*; MRST 201*, MRST 202*.
- 6 Select any course in the area specified not already required for the major.
- 7 Interview in term 4 due to course sequencing.
- 8 Must be admitted to teacher education program by the end of term 4; majority of remaining coursework is restricted.

◆ADD SPECIAL EDUCATION MAJOR, MODIFIED AND COMPREHENSIVE SPECIAL EDUCATION WITH 6-12 CONCENTRATION (WITH OPTIONAL ENDORSEMENT IN EARLY CHILDHOOD EDUCATION)

uTrack Requirements (for first-year students)

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 may include successful completion of specified courses and/or attainment of a minimum GPA. uTrack requirements only affect first-time, first-year, full-time, degree-seeking students entering Fall 2013.

Progression Requirements

Progression to the modified and comprehensive with 6-12 concentration requires a 2.7 cumulative GPA after a minimum of 45 semester hours of course work. A Board of Admissions will meet once each fall and spring to review applications and conduct interviews with each applicant. Students admitted to the program must maintain a minimum cumulative GPA of 2.7 while in the program. Students must earn a grade of C or better in all teacher education 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 • Modified and Comprehensive Special Education with 6-12 Concentration (with optional Endorsement in Early Childhood Special Education)

Term 1	Hours	Milestone Notes
¹ Biological Sciences with Lab Elective*	4	2.3 cumulative GPA
ENGL 101* or ENGL 118*	3	
² Quantitative Reasoning Elective*	3	
¹ Social Sciences Elective*	3	
⁷ Unrestricted or Professional Elective	3	
Term 2		
ENGL 102*	3	Quantitative Reasoning Elective*
¹ Physical Science w/out Lab Elective*	3	
² Quantitative Reasoning Elective*	3	
¹ Social Sciences Elective*	3	
⁷ Unrestricted or Professional Elective	3	
Term 3		
EDPY 210*	3	2.7 cumulative GPA
³ Intermediate Foreign Language*	3	ENGL 102*
⁴ Non-US History	3	
PHIL 252*	3	
⁷ Professional Elective	3	
Term 4⁵		
³ Intermediate Foreign Language*	3	Intermediate Foreign Language Elective*
⁴ Non-US History	3	
PHIL 244*	3	
⁷ Professional Elective	3	
RSM 226	3	
Term 5		
⁶ Educational Methods	3	Two Natural Sciences Electives*
⁷ Professional Elective	3	
REED 461	3	
SPED 402	3	
TPTE 486	3	
Term 6		
EDPY 401	3	No milestones
⁷ Professional Electives	6	
REED 543	3	
SPED 325	1	
TPTE 352	1	
Term 7		

SPED 490, SPED 419, SPED 420, SPED 430	15	No milestones
Term 8		
SPED 422, SPED 432, SPED 456, SPED 459	15	No milestones
UNDERGRADUATE TOTAL		
	120	
POST-BACCALAUREATE PROFESSIONAL YEAR		
Students must apply to and be admitted by the Graduate School prior to registration.		
Term 9		
ELED Course	3	No milestones
TPTE 574, TPTE 575	9	
Term 10		
ELED Course	3	No milestones
TPTE 575, TPTE 591	9	
GRADUATE TOTAL		
	24	

* Meets University General Education Requirement.

NOTE: Optional early childhood special education licensure (requires SPED 410, SPED 471, ELED 445, REED 530, MEDU 530).

- 1 Chosen from University General Education list.
- 2 Students are required to complete two math or one math and one statistics course from the University General Education list.
- 3 Select six hours of the same foreign language at the intermediate level chosen from the University General Education list.
- 4 Two courses from AFST 235*, AFST 236*, HIST 241*, HIST 242*, HIST 247*, HIST 248*, HIST 261*, HIST 262*, HIST 267*, HIST 268*, LAC 251*, LAC 252*, MRST 201*, MRST 202*.
- 5 Interview in term 4 due to course sequencing.
- 6 Select the course that correlates with the specialization for your secondary endorsement from ENED 459; MEDU 485; SSCE 454; SCED 496
- 7 Choose courses from Professional Elective List below, corresponding to the secondary subject area chosen.
 - English Education - choose 15 credit hours of English courses at 300 level and above;
 - Math Education - MATH 142, MATH241, MATH 300, MATH 460, and MATH 423 or 424;
 - Social Science (Economics) - ECON 201, ECON 311, ECON 313 and 6 credit hours of economic courses at 300 level or above;
 - Social Science (Government) - POLSCI 101, POLSCI 102 and 9 credit hours of political science courses 300 level or above;
 - Social Science (History) - HIST 221, HIST 222 and 9 credit hours of history courses at 300 level or above to include a course in World History;
 - Social Science (Geography) - Choose 6 hours from GEOG 101, GEOG 102, GEOG 131, GEOG 132 and 9 hours of geography courses at 300 level or above;
 - Natural Sciences (Biology) - BIOL 160, BIOL 240, BIOL 260-BIOL 269, and 3 credit hours of biological sciences courses at 300 level or above;
 - Natural Sciences (Chemistry) - CHEM 130, CHEM 310-319, and 6 credit hours of chemistry courses at 300 level or above and choose 3 credit hours from CHEM 350, 360, 369, 471, 481, 479, 473, 483;
 - Natural Sciences (Physics) - PHYS 135, PHYS 136, PHYS 250, and 6 credit hours of astronomy or physics at 300 level or above;
 - Natural Sciences (Earth Science) - GEOL 101 and (GEOL 102 or GEOL 103 or GEOL 104), and 9 credit hours in geology at the 300 level or above.

Rationale: The Special Education Major, BS in Education Modified and Comprehensive Special Education Concentration is being restructured to address upcoming changes in licensure standards. The program is moving to this format to match up with licensure with the focus on inclusion and highly qualified professionals at the elementary and secondary levels. With a few minor changes the program is essentially the same as the existing one. Impact on other units: The courses addressed in these programs already exist and are available to all students. The potential impact on other units could be additional students enrolling in the educational methods courses for Math Education, English Education, Social Studies Education, and Science Education. This possibility has been conveyed to these units. Financial impact: There is little to no financial impact as the majority of these courses are already being taught. However, due to the restructuring, several of the courses are currently being proposed as new courses (SPED 325 Applied Research Designs for Diverse Learners, SPED 422 Field Experiences in Special Education Programs: Moderate to Severe Disabilities, and SPED 490 Applications of Assistive Technology).

◆ DROP ENGLISH LANGUAGE LEARNING MINOR

◆ ADD ENGLISH AS A SECOND LANGUAGE EDUCATION MINOR

Students interested in becoming PreK-12 English as a Second Language teachers typically earn a Bachelor of Arts degree in the College of Arts and Sciences with a major in English, linguistics, or a world language. As part of their degree, they need to take ENGL 476 and ENGL 477. While completing requirements for the baccalaureate degree, students are encouraged to matriculate a minor in English as a Second Language education.

Maintaining Good Academic Standing in Teacher Education

To maintain good standing in the Teacher Education Program and to qualify for a degree and/or licensure as a teacher, students must perform adequately both in the university classroom and in the school(s). Students must maintain a minimum 2.7 cumulative GPA, establish and maintain a minimum 2.5 GPA in their major, and maintain a minimum 2.8 GPA (course grade C or higher required) in professional education courses.

Complete information on the teacher licensure program is available through the College of Education, Health, and Human Sciences' website (<http://cehhs.utk.edu/>), the college's Office of Student Services – Bailey Education Complex, A332, or from teaching area faculty.

Complete (19 undergraduate hours):

- EDPY 210 - Psychoeducational Issues in Human Development*
- EDPY 401 - Professional Studies: Applied Educational Psychology
- SPED 402 - Professional Studies: Special Education and Diverse Learners
- TPTE 203 - Field Study in Education
- TPTE 486 - Integrating Technology into the Curriculum
- WLEL 476 - Teaching English as a Second Language
- WLEL 489 - Content-Based ESL Methods

Post-Baccalaureate Professional Year (24 graduate hours)

The following courses are taken during the post-baccalaureate professional year. Students must apply to and be admitted by the Graduate School prior to registration. Teacher licensure is granted at the successful completion of the professional year; 12 additional hours may be taken to complete the master's degree. For details, see the Graduate Catalog.

ENGL 471
TPTE 574
TPTE 575
TPTE 591
WLEL 466

Rationale: We are dropping the English Language Learning Minor and adding English as a Second Language Education Minor because the new name more accurately reflects the program. Impact on other units: None – just renaming the minor. Financial impact: None.

◆ **ADD WORLD LANGUAGE EDUCATION MINOR**

Students interested in becoming PreK-12 World Language teachers typically earn a Bachelor of Arts degree in the College of Arts and Sciences with a major in a world language (e.g., French, German, Latin, Spanish). As part of their degree, they should take literature, advanced grammar and composition classes in the language licensure area, and conversation and phonetics classes (for modern languages). While completing requirements for the baccalaureate degree, modern language students must matriculate a study abroad semester (minimum requirement) to be eligible for the Board of Admissions interview and admission to the Teacher Education Program.

Maintaining Good Academic Standing in Teacher Education

To maintain good standing in the Teacher Education Program and to qualify for a degree and/or licensure as a teacher, students must perform adequately both in the university classroom and in the school(s). Students must maintain a minimum 2.7 cumulative GPA, establish and maintain a minimum 2.5 GPA in their major, and maintain a minimum 2.8 GPA (course grade C or higher required) in professional education courses.

Complete information on the teacher licensure program is available through the College of Education, Health, and Human Sciences' website (<http://cehhs.utk.edu/>), the college's Office of Student Services – Bailey Education Complex, A332, or from teaching area faculty.

Complete (19 undergraduate hours):

- CFS 210 - Human Development
- EDPY 210 - Psychoeducational Issues in Human Development
- EDPY 401 - Professional Studies: Applied Educational Psychology
- SPED 402 - Professional Studies: Special Education and Diverse Learners
- TPTE 352 - Field Experiences in Teaching: Secondary I
- TPTE 355 - Introduction to Secondary Schools
- TPTE 486 - Integrating Technology Into the Curriculum

Post-Baccalaureate Professional Year (24 graduate hours)

The following courses are taken during the post-baccalaureate professional year. Students must apply to and be admitted by the Graduate School prior to registration. Teacher licensure is granted at the successful completion of the professional year; 12 additional hours may be taken to complete the master's degree. For details, see the Graduate Catalog.

REED 461 Developing Reading Skills in the Content Field
TPTE 574 Analysis of Teaching
TPTE 575 Professional Internship in Teaching
TPTE 591 Clinical Studies

WLEL 455 Teaching of World Language

Rationale: The requested changes are needed because: 1) Initial licensure in Tennessee is changing from a 7-12 foreign language licensure to PreK-12 World Language licensure. Therefore, the program needs to be aligned with these revisions. 2) There will no longer be a secondary minor for foreign language education (7-12); it will be a PreK-12 World Language education Minor. Impact on other units: None. Financial impact: None. Existing courses taught by present faculty who will deliver all required coursework for the new program.

REVISE SECONDARY EDUCATION MINOR

Students interested in becoming secondary school teachers (Grades 7-12) in ~~English or social sciences~~ ~~English, social sciences, foreign languages, or English as a Second Language~~ earn a Bachelor of Arts or a Bachelor of Science in the College of Arts and Sciences (e.g., English, history, ~~etc.~~). While completing requirements for the baccalaureate degree, students are encouraged to complete a minor in secondary education.

Students interested in becoming secondary school teachers (Grades 7-12) in mathematics or the sciences participate in the VolsTeach program associated with their academic major.

VolsTeach

Students pursuing a major in selected programs in the College of Arts and Sciences are eligible to participate in the University's VolsTeach program (<http://volsteach.utk.edu/>), which permits students to simultaneously complete a major in mathematics or science and receive secondary education teaching licensure within this 4 year undergraduate degree minor. For more information about VolsTeach, including advising associated with teaching licensure requirements, contact the Center for Enhancing Education in Mathematics and Science (101 Greve Hall).

Maintaining Good Academic Standing in Teacher Education

To maintain good standing in the Teacher Education Program and to qualify for a degree and/or licensure as a teacher, students must perform adequately both in the university classroom and in the school(s). Students must maintain a minimum 2.7 cumulative GPA, establish and maintain a minimum 2.5 GPA in their major, and maintain a minimum 2.8 GPA (course grade C or higher required) in professional education courses.

Complete information on the teacher licensure program is available through the College of Education, Health and Human Sciences' website (<http://cehhs.utk.edu/>), the college's Office of Student Services – Bailey Education Complex, A332, or from teaching area faculty.

Complete (16 undergraduate hours):

- EDPY 210 - Psychoeducational Issues in Human Development*
- EDPY 401 - Professional Studies: Applied Educational Psychology
- SPED 402 - Professional Studies: Special Education and Diverse Learners
- TPTE 352 - Field Experiences in Teaching: Secondary I
- TPTE 355 - Introduction to Secondary Schools
- TPTE 486 - Integrating Technology into the Curriculum

Post-Baccalaureate Professional Year (24 graduate hours)

The following courses are taken during the post-baccalaureate professional year. Students must apply to and be admitted by the Office of Graduate and International Admissions prior to registration. Teacher licensure is granted at the successful completion of the professional year; 12 additional hours may be taken to complete the master's degree. For details, see the *Graduate Catalog*.

- ~~TPTE~~ ~~EDUC~~ 574
- ~~TPTE~~ ~~EDUC~~ 575
- ~~TPTE~~ ~~EDUC~~ 591
- REED 461

Specialty Studies chosen from:

- ENED 459
- ~~FLED~~ ~~456~~
- SSCE 454

Rationale: The requested changes are needed because: Initial licensure in Tennessee is changing from a 7-12 foreign language licensure to PreK-12 World Language licensure. Therefore, the program needs to be aligned with these revisions. There will no longer be a secondary minor for foreign language education (7-12); it will be a PreK-12 World Language Education Minor. Impact on other units: None. Financial impact: None. Existing courses taught by present faculty who will deliver all required coursework for the new program.

COLLEGE OF ENGINEERING

All changes effective Fall 2014

I. COURSE CHANGES

ENGINEERING FUNDAMENTALS DIVISION

(EF) Engineering Fundamentals

DROP

\$402 Fundamentals of Engineering (1)

Course	Course Impact
	Catalog Location
EF 402	Civil Engineering major, Term 8
	Electrical Engineering major, Term 7, footnote 2
	Electrical Engineering major, Power and Energy Systems conc, Term 7, footnote 2
	Materials Science and Engineering major, Term 8
	Materials Science and Engineering major, Biomaterials conc, Term 8
	Materials Science and Engineering major, Nanomaterials conc, Term 8
	Aerospace Engineering major, Term 7
	Biomedical Engineering major, Term 8
	Mechanical Engineering major, Term 8
	Nuclear Engineering major, Term 8
	Nuclear Engineering major, Radiological Engineering conc, Term 8

Rationale: Course is no longer needed due to changes in Fundamentals of Engineering exam. Impact on other units: Decision to drop to the course was made in conjunction with all departments that currently offer the course. Financial impact: None.

DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING

(CBE) Chemical and Biomolecular Engineering

DROP

486 Chemical and Biological Process Safety (3)

Course	Course Impact
	Catalog Location
CBE 486	None

Rationale: Elective no longer offered by the department. Impact on other units: None. Financial impact: None.

ADD (RE) PREREQUISITE, DROP (DE) PREREQUISITE

\$301 Application of Statistical and Numerical Techniques in Engineering (3)

(RE) Prerequisite(s): Engineering Fundamentals 230.

Formerly: Engineering Fundamentals 230.

Rationale: Improves and simplifies registration process. Impact on other units: None. Financial impact: None.

REVISE (RE) PREREQUISITE

340 Mass Transfer and Separation Processes (3)

(RE) Prerequisite(s): 201, 240, and 250.

Formerly: 201 and 250.

\$350 Chemical and Bioengineering Reactor Fundamentals (3)

(RE) Prerequisite(s): 201, 240, and 250.

Formerly: 201 and 240.

360 Process Dynamics and Control (3)*(RE) Prerequisite(s): 201, 240, and 250.*

Formerly: 201 and 240.

\$445 Separation Process Technology for the Pharmaceutical and Chemical Process Industries (3)*(RE) Prerequisite(s): 340, 350, and 360.*

Formerly: 340.

488 Honors: Design Internship in Green Engineering (3)(RE) Prerequisite(s): 445 and 480.*

Formerly: 480.

490 Process Design and Economic Analysis (3)(RE) Prerequisite(s): 445 and 480.*

Formerly: 480.

Rationale: Students will be prepared better for the course. Impact on other units: None. Financial impact: None.

ADD (RE) PREREQUISITE

380 Seminar (1)*(RE) Prerequisite(s): 201, 240, and 250.*

Rationale: Students will be prepared better for the course. Impact on other units: None. Financial impact: None.

REVISE DESCRIPTION, REVISE (RE) PREREQUISITE, ADD (RE) COREQUISITE

401 Review of Chemical and Biomolecular Engineering Fundamentals (1) Programmatic review of a broad series of topics covered in the chemical engineering curriculum. Emphasis is on problem-solving strategies and solution methodology.*(RE) Prerequisite(s): 350, 445, and 480.**(RE) Corequisite(s): 488 or 490.*

Formerly: Review of selected topics covered on the discipline-specific part of the Fundamentals of Engineering Exam. Emphasis is on problem-solving strategies and solution methodology.

(RE) Prerequisite(s): 350.

Rationale: FE Exam format change. Impact on other units: None. Financial impact: None.

REVISE CREDIT HOURS, REVISE (RE) PREREQUISITE

415 Chemical and Biomolecular Engineering Laboratory (4)(RE) Prerequisite(s): 301, 340, 350, and 360.*

Formerly: (3)

(RE) Prerequisite(s): 301 and 340.

Course Impact	
Course	Catalog Location
CBE 415	Chemical Engineering major, Term 7
	Chemical Engineering major, Biomolecular Engineering conc, Term 7

Rationale: This is now a four hour course. With the additional prerequisites, students will be prepared better for the course. Impact on other units: None. Financial impact: None.

REVISE (RE) PREREQUISITE, REVISE (RE) COREQUISITE

\$480 Equipment Design and Economic Methods (3)*(RE) Prerequisite(s): 340, 350, 360 and Chemistry 350.**(RE) Corequisite(s): 445.*

Formerly: (RE) Prerequisite(s): 360 and Chemistry 350.

(RE) Corequisite(s): 350 and 445.

Rationale: Students will be prepared better for the course. Impact on other units: None. Financial impact: None.

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

REVISE CREDIT HOURS

\$401 Review of Engineering Fundamentals (2)

Formerly: (1)

Course Impact	
Course	Catalog Location
CE 401	Civil Engineering major, Term 8

Rationale: The purpose of this class and Engineering Fundamentals 402 is to prepare students for the Fundamentals of Engineering Licensing Exam. The format of the FE exam is changing and as a result EF 402 is being dropped from the curriculum. We will now cover select topics from EF 402 in CE 401; hence, the need to increase the number of credit hours in the course. Impact on other units: None. Financial Impact: The additional material will be taught using an online computerized system previously used for EF 402.

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

REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE

\$311 Discrete Structures (3)*(RE) Prerequisite(s): 160; Mathematics 142 or 148.*

Formerly: (RE) Prerequisite(s): 140 and Mathematics 142.

(DE) Prerequisite(s): 160.

Rationale: Simplifies registration process and makes showcase curriculum match prerequisites. Impact on other units: None. Financial impact: None.

REVISE (RE) PREREQUISITE

\$465 Databases and Scripting Languages (3)*(RE) Prerequisite(s): 311.*

Formerly: 311, 365.

Rationale: The two courses are complementary, rather than one being a prerequisite for the other. 365 may or may not have a brief section on scripting languages, depending on the instructor, but this in no way helps the 465 instructor. Impact on other units: None. Financial impact: None.

(ECE) Electrical and Computer Engineering

ADD

406 Introduction to Real-time Digital Signal Processing (3) Architectures of programmable digital signal processors. Real-time implementation of digital signal processing algorithms on digital processor chips. Case studies including digital filtering, typical communication applications, speech and image processing. Includes Level 1 design projects.

(RE) Prerequisite(s): 315.

Rationale: To provide instruction in real-time digital signal processing. Real-time DSP has numerous applications in both industry and research. Impact on other units: None. Financial impact: None.

DROP

446 Electromagnetic Compatibility (3)

Course Impact	
Course	Catalog Location
ECE 446	Electrical Engineering major, footnote 3

Rationale: Course has not been taught in over four years, and there is no plan or specific timeline for offering the course. Impact on other units: None. Financial impact: None.

DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING**(IE) Industrial Engineering**

REVISE TITLE

\$200 Engineering Statistics (3)

Formerly: Engineering Data Analysis.

Rationale: This title is more consistent with the content of the course than the current one and, additionally, it emphasizes the engineering focus of the material taught in this course. Impact on other courses: None. Financial Impact: None.

REVISE DESCRIPTION, DROP CONTACT HOUR DISTRIBUTION

340 Process Improvement through Planned Experimentation (3) Development and discussion of fundamental theory, concepts and procedures required for the efficient design and analysis of industrial experiments. Topics covered include the statistical approach, screening procedures for factor and interaction effects in one-factor and multiple-factor experiments with and without restrictions on randomization, two-level and mixed-level full and fractional factorial designs with and without blocks, response surface methodology, and Taguchi methods. Integrated treatment of these topics provides knowledge and skills for process and product improvement in engineering applications. Use of specialized software for experimental data analysis.

Formerly: Review of fundamentals of continuous improvement, advanced statistical process control techniques, and strategies for short production runs. Use of experimental design techniques to improve processes, including single and multiple-factor designs, blocking and confounding, and fractional designs. Full factorial designs are compared to fractional designs to balance experimental efficiency with loss of information. Lab component utilizes statistical and simulation software to provide hands-on experience.

Contact Hour Distribution: 2 hours lecture and 1 lab.

Rationale: The three lecture format integrated with extensive utilization of design of experiments software through process improvement homework exercises is a more effective use of the time allotted to this course. Impact on other courses: None. Financial Impact: None.

REVISE (RE) PREREQUISITE, ADD (RE) COREQUISITE

\$402 Production System Planning and Control (3)

(RE) Prerequisite(s): 202.

(RE) Corequisite(s): 300.

Formerly: (RE) Prerequisite(s): 202 and 300.

Rationale: 300 and 405 are both scheduled in the Fall semester for juniors. The students can succeed in 402 while taking 300 at the same time because no substantial knowledge from 300 is needed in 402. Impact on other courses: None. Financial Impact: None.

DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING**(MSE) Materials Science and Engineering**

ADD

301 Applied Statistics and Numerical Methods for Materials Scientists and Engineers (3) Statistical methods for probabilities, expectations, sampling, and estimation; numerical methods for regression, integration, solution for systems of linear/nonlinear algebraic and differential equations.

(RE) Prerequisite(s): Engineering Fundamentals 230; Mathematics 142 or 148 and Mathematics 231.

Rationale: 301 will replace STAT 251 in order to provide Materials Science and Engineering students with a course in applied statistical methods and applied numerical methods that includes the basic mathematical theory as well as providing students practical, hands-on applications relevant to Materials Science and Engineering. Impact on other units: Will replace STAT 251 Statistics for Scientist and Engineers as a required MSE course. Financial impact: None.

DROP

476 Overview of Intermetallic Compounds and Composites (3)

Course Impact	
Course	Catalog Location
MSE 476	Materials Science and Engineering major, footnote 3

Rationale: Not taught in four or more years. Impact on other units: None. Financial impact: None.

REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE, DROP (RE) COREQUISITE

\$260 Materials Engineering Thermodynamics (3)

(RE) Prerequisite(s): 201 and Engineering Fundamentals 152 or 158; Chemistry 130 or 138; and Mathematics 241 or 247.

Formerly (RE) Prerequisite(s): Engineering Fundamentals 152, Chemistry 130.

(DE) Prerequisite(s): Mathematics 142.

(RE) Corequisite(s): 201.

Rationale: Students are not prepared mathematically for MSE 260. Impact on other units: None. Financial impact: None.

DEPARTMENT OF MECHANICAL, AEROSPACE, AND BIOMEDICAL ENGINEERING

(AE) Aerospace Engineering

REVISE (RE) PREREQUISITE

\$341 Fluid Mechanics I (3)

(RE) Prerequisite(s): Mechanical Engineering 231 with a grade of C or better and Mathematics 241 or 247.

Formerly: Mechanical Engineering 231 and Mathematics 241.

Rationale: Reflects departmental requirement in grades for progression. Impact on other units: None. Financial impact: None.

REVISE CREDIT HOURS

\$426 Introduction to Aerospace Design (3)

Formerly: (2)

Course Impact	
Course	Catalog Location
AE 426	Aerospace Engineering major, Term 7
	AE 410 (RE) Corequisite
	AE 429 (RE) Prerequisite

Rationale: Reflects effort required for AE capstone design courses. Impact on other units: None. Financial impact: None.

(BME) Biomedical Engineering

REVISE TITLE, REVISE DESCRIPTION, REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE, ADD (RE) COREQUISITE

\$271 Biomedical Engineering Analysis (3) Analysis, simulation and solution of biomedical engineering problems with emphasis on programming and numerical solutions.

(RE) Prerequisite(s): Engineering Fundamentals 152 or 158 with a grade of C or better and Mathematics 200.

(RE) Corequisite(s): Mathematics 231.

Formerly: Biomedical Engineering Principles (3) Application of engineering principles and methods to problem solving in the life sciences and medicine. Fundamental principles underlying design, analysis, and modeling procedures. Introduction to modeling and simulation techniques in the analysis of biomedical systems. Development and use of computer software for the analysis and solution of biomedical problems.

(RE) Prerequisite(s): Biochemistry and Cellular and Molecular Biology 230 and Mathematics 231.

(DE) Prerequisite(s): Engineering Fundamentals 152 or 158, Physics 231, and Statistics 251.

Rationale: Better description of course and contents as well as revised prerequisites and corequisites for material covered. Also reflects departmental requirement in grades for progression. Impact on other units: None. Financial impact: None.

REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE

\$363 System Dynamics (3)

(RE) Prerequisite(s): 271, Mathematics 231 and Mechanical Engineering 231 with grades of C or better.

Formerly: (RE) Prerequisite(s): Mathematics 231 and Mechanical Engineering 231.

(DE) Prerequisite(s): 271.

\$367 Honors: System Dynamics

(RE) Prerequisite(s): 271, Mathematics 231 and Mechanical Engineering 231 with grades of C or better.

Formerly: (RE) Prerequisite(s): Mathematics 231 and Mechanical Engineering 231

(DE) Prerequisite(s): 271.

Rationale: Reflects departmental requirement in grades for progression. Impact on other units: None. Financial impact: None.

REVISE CREDIT HOURS, REVISE (RE) COREQUISITE

\$455 Biomedical Engineering Design I (3)

(RE) Corequisite(s): 430 and 473 or 477.

Formerly: (2)

(RE) Corequisite(s): 430 and 473.

Course Impact	
Course	Catalog Location
BME 455	Biomedical Engineering major, Term 7
	BME 410 (RE) Corequisite
	BME 469 (RE) Prerequisite

Rationale: Adds honors section of 473 as corequisite and reflects effort required in capstone course. Impact on other units: None. Financial impact: None.

(ME) Mechanical Engineering

ADD

469 Principles of Additive Manufacturing (3) Fundamentals of additive manufacturing processes within the context of traditional manufacturing life cycle including the basics of product design, processing mechanics and materials science to highlight the advantages of additive manufacturing.

(RE) Prerequisite(s): 366 and Materials Science and Engineering 201.

Rationale: New course in area of two new hires. Impact on other units: None. Financial impact: None.

REVISE (RE) PREREQUISITE

\$231 Dynamics (3)

(RE) Prerequisite(s): 202 and Engineering Fundamentals 152 or 158 with grades of C or better.

Formerly: 202 and Engineering Fundamentals 152.

\$321 Mechanics of Materials (3)

(RE) Prerequisite(s): 202 with a grade of C or better and Mathematics 142 or 148.

Formerly: 202 and Mathematics 142.

\$363 System Dynamics (3)

(RE) Prerequisite(s): 231 and Mathematics 231 with grades of C or better.

Formerly: 231 and Mathematics 231.

\$365 Mechanisms (3)

(RE) Prerequisite(s): 231 with a grade of C or better.

Formerly: 231.

\$366 Computer Aided Engineering and Manufacturing (3)

(RE) Prerequisite(s): 321 with a grade of C or better and Materials Science and Engineering 201.

Formerly: 321, Materials Science and Engineering 201.

\$367 Honors: System Dynamics (3)

(RE) Prerequisite(s): 231 and Mathematics 231 with grades of C or better.

Formerly: 231 and Mathematics 231.

Rationale: Reflects departmental requirement in grades for progression. Impact on other units: None. Financial impact: None.

\$450 Mechanical Engineering Design I (3)

(RE) Prerequisite(s): 363 or 367 and 366.

Formerly: 363.

Rationale: Adds necessary prerequisite for course. Impact on other units: None. Financial impact: None.

REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE

\$344 Heat Transfer (3)

(RE) Prerequisite(s): 331, 391 or 397; and Aerospace Engineering 341 or 347.

Formerly: (RE) Prerequisite(s): 331 and 391.

(DE) Prerequisite(s): Aerospace Engineering 341.

Rationale: Removes (DE) designation. Impact on other units: None. Financial impact: None.

\$397 Honors: Engineering Analysis (3)

(RE) Prerequisite(s): Engineering Fundamentals 230; Mathematics 231 with a grade of C or better; Mathematics 241 or 247; and Mathematics 200 or 251 or 257.

Formerly: (RE) Prerequisite(s): Engineering Fundamentals 152 and Mathematics 231.

(DE) Prerequisite(s): Mathematics 251 or 200 and Engineering Fundamentals 230.

Rationale: Honors version of 391 so prerequisites should match. Impact on other units: None. Financial impact: None.

REVISE DESCRIPTION, REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE

\$391 Engineering Analysis (3) Numerical techniques in root finding, solutions of systems of linear equations, interpolation, least squares and solutions to ordinary and partial differential equations. Analytical and numerical solutions to Fourier series and Fourier transforms.

(RE) Prerequisite(s): Engineering Fundamentals 230; Mathematics 231 with a grade of C or better; Mathematics 241 or 247; and Mathematics 200 or 251 or 257.

Formerly: Numerical and analytical techniques are developed for problems arising in mechanical and aerospace engineering. Numerical methods address root finding, direct and indirect techniques for linear and nonlinear systems, interpolation, curve fitting, quadratures, and solutions to ordinary- and partial-differential equations. Analytic methods include Fourier series, solutions to linear systems of differential equations, and separation of variables. Computer projects are assigned for reinforcing classroom developments.

(RE) Prerequisite(s): Engineering Fundamentals 152 and Mathematics 231.

(DE) Prerequisite(s): Mathematics 251 or 200 and Engineering Fundamentals 230.

Rationale: New description more accurately describes course content and also reflects departmental requirement in grades for progression. Impact on other units: None. Financial impact: None.

REVISE CREDIT HOURS

\$460 Mechanical Engineering Design II (3)

Formerly: (2)

Course Impact	
Course	Catalog Location
ME 460	Mechanical Engineering major, Term 8
	Engineering Entrepreneurship minor, "Select one course (two courses for COSC and ECE)" heading

Rationale: Reflects effort required in Mechanical Engineering capstone design course. Impact on other units: None. Financial impact: None.

DEPARTMENT OF NUCLEAR ENGINEERING

(NE) Nuclear Engineering

ADD

471 Nuclear System Design I (1) Design and analysis of a nuclear system. Feasibility, cost analysis and initial steps of a nuclear engineering design project is to be completed in 472.

(RE) Prerequisite: 470.

Rationale: Dividing the four hour course into a one hour fall semester course and a three hour spring semester course better meets the timing needs of the faculty and students. The current schedule results in a rushed design project; the new schedule will allow the fall to be used to define the problem, complete information gathering, and plan the design activities which are then completed in the spring. Impact on other units: None. Financial impact: None.

DROP

473 Nuclear Reactor Theory II (3)

Course Impact	
Course	Catalog Location
NE 473	None

Rationale: Course has not been taught in many years, at least 6 or more. Students cover similar material in 571, which is available to NE undergraduate students and also available to them for graduate credit. Impact on other units: None. Financial impact: None.

REVISE CREDIT HOURS

***401 Radiological Engineering Laboratory (4)**

Formerly: (3)

\$*402 Nuclear Engineering Laboratory (4)

Formerly: (3)

\$*427 Honors: Nuclear Engineering Laboratory (4)

Formerly: (3)

Course Impact	
Course	Catalog Location
NE 401	Nuclear Engineering major, Term 6
	Nuclear Engineering major, Radiological Engineering conc, Term 6
	NE 402 (DE) Prerequisite
	Reliability and Maintainability Engineering minor, "Select 6 hours" heading
NE 402	Nuclear Engineering major, Term 7
	Nuclear Engineering major, Radiological Engineering conc, Term 7
	Honors Nuclear Engineering major, 2nd bullet
NE 427	Nuclear Engineering major, Term 7
	Nuclear Engineering major, Radiological Engineering conc, Term 7
	Honors Nuclear Engineering major, 2nd bullet

Rationale: These courses are composed of three hours of lecture and three hours of laboratory each week. Courses of this format have been identified to have three credit hours for in-class contact hours (3) and one credit hour for laboratory contact hours (1) for a total of four credit hours (4). Impact on other units: None. Financial impact: \$57 extra per semester for student engineering fees; none for department.

REVISE TITLE

\$470 Nuclear Reactor Theory (3)

Formerly: Nuclear Reactor Theory I

Rationale: 473 is being removed, thus, it is not necessary to identify I and II as a sequence in Reactor Theory. Impact on other units: None. Financial impact: None.

REVISE TITLE, REVISE CREDIT HOURS, REVISE (RE) PREREQUISITE

472 Nuclear System Design II (3)*(RE) Prerequisite(s): 470 and 471.*

Formerly: Nuclear System Design (4)

(RE) Prerequisite(s): 470.

Course Impact	
Course	Catalog Location
NE 472	Aerospace Engineering major, footnote 3
	Nuclear Engineering major, Term 8
	Nuclear Engineering major, Radiological Engineering conc, Term 8
	Honors Nuclear Engineering major, 3rd bullet
	Engineering Entrepreneurship minor, "Select one course (two courses for COSC and ECE)" heading

Rationale: This course is being restructured into a two-semester sequence. 471 will be a new 1-credit course that will precede this design course as a prerequisite to provide the framework of the design problem selected for that year, including industrial presentations, software workshops, etc. Impact on other units: None. Financial Impact: None.

II. PROGRAM CHANGES

REVISE RELIABILITY AND MAINTAINABILITY ENGINEERING MINOR

Select 6 hours:

- CBE 360 - Process Dynamics and Control
- ECE 315 - Signals and Systems I
- ECE 471 - Introduction to Pattern Recognition
- IE 300 - Engineering Data Analysis and Process Improvement
- ME 345 - Mechanical Engineering Instrumentation and Measurement

ME 363 - System Dynamics
NE 401 - Radiological Engineering Laboratory

IE 340 - Process Improvement through Planned Experimentation
or
BAS STAT 340 - Experimental Methods and Process Improvement

DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING

REVISE CHEMICAL ENGINEERING MAJOR

Term 3	Hours	Milestone Notes
BIOL 160* 140* or BIOL 168* 148*	3 4	EF 151* or PHYS 135*
CBE 201, CBE 235	7	
EF 230	2	
MATH 200, MATH 231	4	
Term 6		
Arts and Humanities Elective *	3	No milestones
² Bio Option I	3	
CBE 340, CBE 360, CBE 380	7	
³ Technical Elective	3	
Term 7		
CBE 415*, CBE 445, CBE 480	10 9	No milestones
Cultures and Civilizations Electives*	6	
TOTAL	128	

² **Bio Option I:** BCMB 230, **BCMB 310**, BCMB 321, BCMB 401, BCMB 402, BCMB 412; **BIOL 220-BIOL 229**, BIOL 240, **BIOL 260-BIOL 269**; **BIOL-250**; CBE 455; MICR 210*, **MICR-310**.

Rationale: Biology 160 is now a 3 hour course, and CBE 415 is now a 4 hour course. Also, additional course added to Bio Option I (BCMB 310).
Impact on other academic units: None. Financial Impact: None.

REVISE CHEMICAL ENGINEERING MAJOR, BIOMOLECULAR ENGINEERING CONCENTRATION

Term 3	Hours	Milestone Notes
BIOL 160* 140* or BIOL 168* 148*	3 4	EF 151* or PHYS 135*
CBE 201, CBE 235	7	
EF 230	2	
MATH 200, MATH 231	4	
Term 7		
BCMB 401 or BCMB 412	4	No milestones
CBE 415*, CBE 445, CBE 480	10 9	
Cultures and Civilizations Elective*	3	
Term 8		
¹ Bio Option I	3-5	No milestones
CBE 401, CBE 475	4	
CBE 488* or CBE 490*	3	
Cultures and Civilizations Elective*	3	
Social Sciences Elective*	3	
TOTAL	129	

¹ **Bio Option I:** BCMB 230, **BCMB 310**, BCMB 321, BCMB 401, BCMB 402, BCMB 412; **BIOL 220-BIOL 229**, **BIOL 260-BIOL 269**; **BIOL-250**; CBE 455; MICR 210*, **MICR-310**.

Rationale: Biology 160 is now a 3 hour course, and CBE 415 is now a 4 hour course. Also, additional course added to Bio Option I (BCMB 310).
Impact on other academic units: None. Financial Impact: None.

REVISE CHEMICAL ENGINEERING MAJOR, HONORS CONCENTRATION

The honors concentration encourages highly motivated students to experience a more rigorous preparation in the Department of Chemical and Biomolecular Engineering. Admission is selective, and application to the honors concentration is made when the student applies for upper-division status.

Candidates for the honors chemical engineering concentration must complete the following requirements.

- First-year courses for honors concentrations in the engineering majors.
- Further requirements for the honors chemical engineering concentration are as follows. Maintain an overall GPA of at least 3.3 and a GPA of at least 3.3 in departmental courses. Complete **CHEM 483**; CBE 407, CBE 447, and one of the following: CBE 467, CBE 488*, CBE 498. Complete a 3-hour senior design course. This requirement is satisfied by CBE 488*.
- ~~If participating in only the Chancellor's Honors Program, the Honors-by-Contract paperwork goes to the Chancellor's Honors Office on campus during the first 10 days of the semester. If participating in Engineering Honors and not Chancellor's Honors, the Honors-by-Contract paperwork is submitted the first 10 days of the semester to the engineering major department. If participating in both Chancellor's and Engineering Honors, the Honors-by-Contract paperwork is submitted to both areas.~~

Rationale: CHEM 483 is no longer required for honors concentration. CBE major has designated honors courses which makes Honors by Contract statement unnecessary. Impact on other academic units: None. Financial Impact: None.

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

REVISE DEPARTMENT TEXT

Graduation Requirements

Students are **strongly recommended** required to **meet with their advisor** **be advised** every semester. Students are required to maintain a cumulative grade point of at least 2.0 in all civil engineering and environmental engineering courses taken at the University of Tennessee, Knoxville, used to satisfy the graduation requirements. No more than four credit hours of civil and environmental engineering courses in which a C- or lower is the highest grade earned may be counted toward graduation. Students must earn a grade of C or better in all courses within their two selected concentrations.

Rationale: To emphasize importance of advising to students. Impact on other units: None. Financial Impact: None.

REVISE CIVIL ENGINEERING MAJOR

Term 8	Hours	Milestone Notes
Arts and Humanities Elective*	3	No milestones
¹ CE Concentration Elective	3	
¹ CE Concentration Lab	1	
CE 400, CE 401	5 4	
EF 402	4	
³ Technical Elective	3	

² Select from BIOL 101*, BIOL 102*, BIOL **150*** **130***, BIOL **158*** **138***, BIOL **160*** **140***, BIOL **168*** **148***; Environmental Engineering 513; ESS 462; GEOG 131*, GEOG 410; GEOL 101*, GEOL 103*, GEOL 107*.

Rationale: Engineering Fundamentals 402 is to prepare students for the Fundamentals of Engineering Licensing Exam. The format of the FE exam is changing and as a result EF402 is being dropped from the curriculum. We will now cover select topics from EF 402 in CE 401; hence, the need to increase the number of credit hours in the course. The list of science electives was changed to conform with changes in Biology courses. Impact on other units: None. Financial Impact: The additional material will be taught using an online computerized system previously used for EF 402.

DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

REVISE COMPUTER ENGINEERING MAJOR

Term 1	Hours	Milestone Notes
¹ COSC 102*	4	MATH 130 or higher or one Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective
EF 151* or EF 157*	4	
ENGL 101* or ENGL 118*	3	

MATH 141* or MATH 147*	4	
Term 5		
COSC 302	4	CBE 201 or COSC 102* or ME 202 or MSE 201
²⁴ Cultures and Civilizations Elective*	3	
ECE 315, ECE 335, ECE 395	7	
ECE 313 or ECE 317	3	
Term 6		
²⁴ Arts and Humanities Elective*	3	No milestones
COSC 311, COSC 361	6	
ECE 351 or ECE 357	3	
³² Computer Engineering Upper Division Elective	3	
Term 7		
²⁴ Arts and Humanities Elective*	3	No milestones
ECE 401*	2	
ECE 451 or ECE 457	3	
²⁴ Social Sciences Elective*	3	
³² Computer Engineering Upper Division Elective	6	
Term 8		
²⁴ Cultures and Civilizations Elective*	3	No milestones
ECE 402*	3	
²⁴ Social Sciences Elective*	3	
³² Computer Engineering Upper Division Elective	6	
TOTAL	128	

* Meets University General Education Requirements.

- ¹ Beginning students who have had high school computer science and/or who have had significant programming experience (e.g. summer institute study, special research projects, home laboratory) are invited to apply during the summer to the head of the department for permission to take a proficiency examination for COSC 102, Introduction to Computer Science. If a satisfactory grade is made on the examination, credit will be allowed for COSC 102. The Department of Electrical Engineering and Computer Science also gives credit in COSC 102 to students who receive a score of 5 on the Computer Science Advanced Placement Examination.
- ^{2 4} Chosen from University General Education list.
- ^{3 2} 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 6 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.

Rationale: Provides an alternative way to the AP exam for qualified students to receive credit for COSC 102 without having to take the course. The other revised footnote gives the students more flexibility in choosing electrical and computer engineering senior electives. This will aid students who have co-op assignments or who graduate in December to have more choices in their senior electives and to graduate earlier. Impact on other units: None. Financial impact: None.

REVISE COMPUTER SCIENCE MAJOR

Term 1	Hours	Milestone Notes
¹ COSC 102*	4	MATH 130 or higher or one Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective
ENGL 101* or ENGL 118*	3	
MATH 141* or MATH 147*	4	
PHYS 135* or PHYS 137*	4-5	
Term 3		
BIOL 101*, BIOL 150* 130* , BIOL 158* 138* , CHEM 100*, CHEM 120*, CHEM 128* or PHYS 231*	3-4	EF 151* or PHYS 135*
COSC 140	4	
COSC 311 or COSC 317	3	
MATH 241 or MATH 247	4	

BIOL 101*, BIOL 130*, BIOL 138*, CHEM 100*, CHEM 120*, CHEM 128* or PHYS 231*	3-4	EF 151* or PHYS 135*
Term 4		
²⁴ Arts and Humanities Elective*	3	EF 152* or PHYS 136*
COSC 312	3	
COSC 302 or COSC 307	4	
MATH 251 or MATH 257	3	
Term 5		
COSC 360 or COSC 367	4	CBE 201 or COSC 102* or ME 202 or MSE 201
³² Computer Science Upper Division Elective	3	
²⁴ Cultures and Civilizations Elective*	3	
ECE 313	3	
²⁴ Social Sciences Elective*	3	
Term 6		
COSC 361, COSC 365	6	No milestones
³² Computer Science Upper Division Elective	3	
²⁴ Cultures and Civilizations Elective*	3	
⁴³ Unrestricted Elective	3	
Term 7		
²⁴ Arts and Humanities Elective*	3	No milestones
COSC 401*	2	
³² Computer Science Upper Division Electives	9	
ENGL 355* or ENGL 360*	3	
Term 8		
COSC 402*	3	No milestones
³² Computer Science Upper Division Electives	6	
²⁴ Social Sciences Elective*	3	
⁴³ Unrestricted Elective	3	
TOTAL	120	

* Meets University General Education Requirements.

- 1 Beginning students who have had high school computer science and/or who have had significant programming experience (e.g. summer institute study, special research projects, home laboratory) are invited to apply during the summer to the head of the department for permission to take a proficiency examination for COSC 102, Introduction to Computer Science. If a satisfactory grade is made on the examination, credit will be allowed for COSC 102. The Department of Electrical Engineering and Computer Science also gives credit in COSC 102 to students who receive a score of 5 on the Computer Science Advanced Placement Examination.
- 2 1 Chosen from University General Education list.
- 3 2 The following table lists the acceptable set of electives that may be taken to satisfy the upper division electives for the Computer Science major. The electives have been grouped into 6 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. However, it is not mandatory to take any track and students are free to mix and match courses from different tracks to fit their specific interests. COSC 494, Special Topics and COSC 493, Independent Study may be taken to satisfy the upper division electives. Up to two COSC 5XX or ECE 5XX courses may count as upper division elections
- 4 3 Any courses not already required for the major.

Rationale: Provides an alternative way to the AP exam for qualified students to receive credit for COSC 102 without having to take the course. The other revised footnote gives the students more flexibility in choosing senior electives. This will aid students who have co-op assignments or who graduate in December to have more choices in their senior electives and to graduate earlier. Impact on other units: None. Financial impact: None.

REVISE ELECTRICAL ENGINEERING MAJOR

Term 1	Hours	Milestone Notes
¹ COSC 102*	4	MATH 130 or higher or one Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective
EF 151* or EF 157*	4	
ENGL 101* or ENGL 118*	3	
MATH 141* or MATH 147*	4	
Term 5		

ECE 315, ECE 325, ECE 335, ECE 395	10	CBE 201 or COSC 102* or ME 202 or MSE 201
ECE 341 or ECE 347	3	
^{2,4} Social Sciences Elective*	3	
Term 6		
^{2,4} Arts and Humanities Elective*	3	No milestones
ECE 316, ECE 336, ECE 342	9	
^{2,4} Social Sciences Elective*	3	
Term 7		
^{2,4} Arts and Humanities Elective*	3	No milestones
^{2,4} Cultures and Civilizations Elective*	3	
² EF 402	1	
ECE 401*	2	
³ Electrical Engineering Senior Electives	9	
Term 8		
^{2,4} Cultures and Civilizations Elective*	3	No milestones
ECE 402*	3	
³ Electrical Engineering Senior Elective	3	
⁴ Technical Electives	6	
TOTAL	126 127	

* Meets University General Education Requirement.

- 1 Beginning students who have had high school computer science and/or who have had significant programming experience (e.g. summer institute study, special research projects, home laboratory) are invited to apply during the summer to the head of the department for permission to take a proficiency examination for COSC 102, Introduction to Computer Science. If a satisfactory grade is made on the examination, credit will be allowed for COSC 102. The Department of Electrical Engineering and Computer Science also gives credit in COSC 102 to students who receive a score of 5 on the Computer Science Advanced Placement Examination.
- ^{2,4} Chosen from University General Education List.
- ² Students in the Chancellor's Honors Program are not required to take EF 402.
- 3 Choose four Electrical Engineering senior electives with advisor's consent. Up to two COSC 5XX or ECE 5XX courses may count as upper division electives. A selected list of acceptable senior electrical and computer engineering sequences are ECE 415-ECE 416 (or ECE 417), ECE 421 (or ECE 427)-ECE 422, ECE 431-ECE 432, ECE 431-ECE 433, ECE 441-ECE 442, ECE 443-ECE 446, ECE 451 (or ECE 457)-ECE 453, ECE 451 (or ECE 457)-ECE 454, ECE 451 (or ECE 457)-ECE 455, ECE 453-ECE 454, ECE 471 (or ECE 477)-ECE 472 (or ECE 478), ECE 481 (or ECE 487)-ECE 482.
- 4 Technical electives chosen from COSC 140, COSC 311 or MATH 300, COSC 370; CHEM 130* or CHEM 138*; IE 405; MSE 201, MSE 410; ME 231, ME 321, ME 331, ME 344; NE 342 or NE 347.

Rationale: The COSC 102 footnote provides an alternative way to the AP exam for qualified students to receive credit for COSC 102 without having to take the course. EF 402 is no longer needed due to changes in Fundamentals of Engineering exam. The previous senior elective footnote required students to take two pairs of two-course sequences. These pairs were deemed too restrictive by the faculty and so the decision was made to allow the student and their advisor to choose the most appropriate four electives. It was also decided to allow students to take up to two graduate level courses in order to give our best students increased options for their senior electives. This will aid students who have co-op assignments or who graduate in December to have more choices in their senior electives and to graduate earlier. ECE 446 appeared on four-year course report and was dropped. Impact on other units: None. Financial impact: None.

REVISE ELECTRICAL ENGINEERING MAJOR, POWER AND ENERGY SYSTEMS CONCENTRATION

Term 1	Hours	Milestone Notes
¹ COSC 102*	4	MATH 130 or higher or one Arts and Humanities*, Cultures and Civilizations*, or Social Sciences* Elective
EF 151* or EF 157*	4	
ENGL 101* or ENGL 118*	3	
MATH 141* or MATH 147*	4	
Term 5		
ECE 315, ECE 325, ECE 335, ECE 395	10	CBE 201 or COSC 102* or ME 202 or MSE 201
ECE 341 or ECE 347	3	
^{2,4} Social Sciences Elective*	3	
Term 6		
^{2,4} Arts and Humanities Elective*	3	No milestones
ECE 316, ECE 336, ECE 342	9	
^{2,4} Social Sciences Elective*	3	
Term 7		

^{2,4} Arts and Humanities Elective*	3	No milestones
^{2,4} Cultures and Civilizations Elective*	3	
² EF 402	4	
ECE 401*	2	
³ Power and Energy Systems Electives	9	
Term 8		
^{2,4} Cultures and Civilizations Elective*	3	No milestones
ECE 402*	3	
IE 457 or ME 457	3	
³ Power and Energy Systems Elective	3	
⁴ Technical Elective	3	
TOTAL	126 127	

* Meets University General Education Requirement.

- 1 Beginning students who have had high school computer science and/or who have had significant programming experience (e.g. summer institute study, special research projects, home laboratory) are invited to apply during the summer to the head of the department for permission to take a proficiency examination for COSC 102, Introduction to Computer Science. If a satisfactory grade is made on the examination, credit will be allowed for COSC 102. The Department of Electrical Engineering and Computer Science also gives credit in COSC 102 to students who receive a score of 5 on the Computer Science Advanced Placement Examination.
- ~~2 4~~ Chosen from University General Education List.
- ~~2~~ — Students in the Chancellor's Honors Program are not required to take EF 402.
- 3 Select four courses (12 hours) from: ECE 415, ECE 421, ECE 422, ECE 481, ECE 482, ECE 521, ECE 522, ECE 523, ECE 525.
- 4 Technical electives chosen from COSC 140, COSC 311 or MATH 300, COSC 370; CHEM 130* or CHEM 138*; IE 405; MSE 201, MSE 410; ME 231, ME 321, ME 331, ME 344; NE 342 or NE 347.

Rationale: The COSC 102 footnote provides an alternative way to the AP exam for qualified students to receive credit for COSC 102 without having to take the course. EF 402 is no longer needed due to changes in Fundamentals of Engineering exam. Impact on other units: None. Financial impact: None.

REVISE ELECTRICAL ENGINEERING, COMPUTER ENGINEERING, AND COMPUTER SCIENCE HONORS CONC

Students who wish to pursue the honors electrical engineering concentration, honors computer engineering concentration, and honors computer science concentration will normally be part of the Chancellor's Honors Program.

Candidates for the honors electrical engineering concentration and honors computer engineering concentration must complete the first year courses for honors concentration in the engineering majors. Candidates for the honors computer science concentration must meet the first year requirements for the Chancellor's Honors Program.

In addition to satisfying the requirements described above, candidates for these three honors concentrations must also satisfy the following requirements.

- Complete two upper-division honors courses in computer science (COSC 307, COSC 317, COSC 367, COSC 377, COSC 427) or electrical and computer engineering (ECE 317, ECE 347, ECE 357, ECE 417, ECE 427, ECE 457, ECE 477, ECE 478, ECE 487). Two upper-division honors courses in computer science or electrical and computer engineering via Honors-by-Contract or Honors Independent study, or equivalent.
- If participating in only the Chancellor's Honors Program, the Honors-by-Contract paperwork goes to the Chancellor's Honors Office on campus during the first 10 days of the semester. If participating in Engineering Honors and not Chancellor's Honors, the Honors-by-Contract paperwork is submitted the first 10 days of the semester to the engineering major department. If participating in both Chancellor's and Engineering Honors, the Honors-by-Contract paperwork is submitted to both areas.
- Complete a 3-credit hour senior project course. This can normally be completed as part of the capstone design course, ECE 402* for computer engineering majors and electrical engineering majors or COSC 402* for computer science majors.

Rationale: The majors have designated honors courses which makes the Honors by Contract statement unnecessary. Impact on other academic units: None. Financial Impact: None.

DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING

REVISE INDUSTRIAL ENGINEERING MAJOR

Term 2	Hours	Milestone Notes
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EF 152* or EF 158*	4	MATH 130 or higher
ENGL 102*	3	
MATH 142* or MATH 148*	4	
ME 202	2	
¹ Social Sciences Elective*	3 4	

³ Chosen from AE 341 or AE 347; ~~BME 300~~; BUAD 361, BUAD 410; BULW 301; COSC 102*; ECE 255, ECE 302; ECON 311, ECON 312, ECON 313, ECON 322, ECON 331, ECON 333, ECON 351, ECON 361; FINC 300, FINC 425, FINC 455; IE 423, IE 430, IE 457, IE 483, IE 484, INSC 310, INSC 451, MARK 300; MGT 300; MSE 302, MSE 340 or MSE 347, MSE 360 or MSE 367, MSE 390 or MSE 397, MSE 405*; ME 321, ME 363 or ME 367, ME 365, ME 366, ME 405; NE 342 or NE 347. Some courses may require a prerequisite or corequisite that is not part of the IE program.

Rationale: To correct hours and number of courses needed for General Education Social Sciences electives. BME 300 appeared on four-year course report and was dropped. Impact on other units: None. Financial impact: None.

DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

REVISE MATERIALS SCIENCE AND ENGINEERING MAJOR

Term 3	Hours	Milestone Notes
EF 230	2	EF 151* or PHYS 135*
ECON 201	4	
MATH 241 or MATH 247	4	
MSE 201, MSE 210, MSE 260	4 7	
PHYS 231*	3	
Term 4		
MATH 200, MATH 231	4	EF 152* or PHYS 136*
MSE 250, MSE 260 , MSE 290	7 4	
PHYS 232*	4	
⁴Social Sciences Elective*	3	
Term 5		
¹ Arts and Humanities Elective*	3	CBE 201 or COSC 102* or ME 202 or MSE 201
MSE 300, MSE 301 , MSE 320, MSE 340 or MSE 347, MSE 360 or MSE 367	13 10	
STAT 251	3	
Term 8		
¹ Arts and Humanities Elective*	3	No milestones
¹ Cultures and Civilizations Elective*	3	
EF 402	1	
MSE 489*	3	
³ Materials Science and Engineering Elective	3	
² Technical Elective	3	
TOTAL	127	

* Meets University General Education Requirement.

¹ Chosen from University General Education List. **Courses must include any two approved courses in the Arts and Humanities category, any two approved courses in the Cultures and Civilizations category, ECON 201, and a second approved course in the Social Sciences category.**

² Chosen from ECE 301 (strongly recommended); BCMB 230; BIOL ~~160*~~ ~~140*~~, BIOL ~~168*~~ ~~148*~~; ~~BME 300~~; BME 409; CBE 475; CHEM 350; 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.

³ Chosen from ~~MSE 408~~, MSE 410, MSE 421, MSE 425, MSE 432, MSE 440, MSE 445, MSE 450, MSE 451, ~~MSE 455~~, MSE 457, MSE 460, MSE 466, MSE 474, ~~MSE 476~~, MSE 484, MSE 485, MSE 486, MSE 494, MSE 495.

Rationale: Require ECON 201 as one of the approved General Electives in the Social Sciences Cluster, as it is important for engineers to consider economic consequences for decisions related to safety, material selection, etc. EF 402 (Term 8) is no longer a required course since it is no longer being offered. BME 300 appeared on four-year course report and was dropped. Impact on other units: None. Financial impact: None.

REVISE MATERIALS SCIENCE AND ENGINEERING MAJOR, BIOMATERIALS CONCENTRATION

Term 3	Hours	Milestone Notes
EF 230	2	EF 151* or PHYS 135*
ECON 201	4	
MATH 241 or MATH 247	4	
MSE 201, MSE 210, MSE 260	4 7	
PHYS 231*	3	
Term 4		
MATH 200, MATH 231	4	EF 152* or PHYS 136*
MSE 250, MSE 260, MSE 290	7 4	
PHYS 232*	4	
¹ Social Sciences Elective*	3	
Term 5		
¹ Arts and Humanities Elective*	3	CBE 201 or COSC 102* or ME 202 or MSE 201
MSE 300, MSE 301, MSE 320, MSE 340 or MSE 347, MSE 360 or MSE 367	13 10	
STAT 251	3	
Term 8		
¹ Arts and Humanities Elective*	3	No milestones
BME 409, BSE 231; CBE 475; MSE 485 or MSE 486	3	
¹ Cultures and Civilizations Elective*	3	
EF 402	1	
MSE 489*	3	
MSE 485 or MSE 486 or MSE 578 or MSE 588	3	
TOTAL	128-129	

* Meets University General Education Requirement.

¹ Chosen from University General Education List. Courses must include any two approved courses in the Arts and Humanities category, any two approved courses in the Cultures and Civilizations category, ECON 201, and a second approved course in the Social Sciences category.

Rationale: Require ECON 201 as one of the approved General Electives in the Social Sciences Cluster, as it is important for engineers to consider economic consequences for decisions related to safety, material selection, etc. EF 402 (Term 8) is no longer a required course since it is no longer being offered. Impact on other units: None. Financial impact: None.

REVISE MATERIALS SCIENCE AND ENGINEERING MAJOR, NANOMATERIALS CONCENTRATION

Term 3	Hours	Milestone Notes
EF 230	2	EF 151* or PHYS 135*
ECON 201	4	
MATH 241 or MATH 247	4	
MSE 201, MSE 210, MSE 260	4 7	
PHYS 231*	3	
Term 4		
MATH 200, MATH 231	4	EF 152* or PHYS 136*
MSE 250, MSE 260, MSE 290	7 4	
PHYS 232*	4	
¹ Social Sciences Elective*	3	
Term 5		
¹ Arts and Humanities Elective*	3	CBE 201 or COSC 102* or ME 202 or MSE 201
MSE 300, MSE 301, MSE 320, MSE 340 or MSE 347, MSE 360 or MSE 367	13 10	
STAT 251	3	
Term 8		
¹ Arts and Humanities Elective*	3	No milestones
¹ Cultures and Civilizations Elective*	3	
EF 402	1	
MSE 408, MSE 489*	6	

² Technical Elective	3	
TOTAL	127	

* Meets University General Education Requirement.

- 1 Chosen from University General Education List. Courses must include any two approved courses in the Arts and Humanities category, any two approved courses in the Cultures and Civilizations category, ECON 201, and a second approved course in the Social Sciences category.
- 2 Chosen from CHEM 473 ; MSE 421 , MSE 466 , MSE 474 ; PHYS 411 . Credit for other courses that address processing, structure, properties, or behavior of nanomaterials may be substituted by permission of academic advisor and department head.

Rationale: Require ECON 201 as one of the approved General Electives in the Social Sciences Cluster, as it is important for engineers to consider economic consequences for decisions related to safety, material selection, etc. EF 402 (Term 8) is no longer a required course since it is no longer being offered. Impact on other units: None. Financial impact: None.

DEPARTMENT OF MECHANICAL, AEROSPACE AND BIOMEDICAL ENGINEERING

REVISE DEPARTMENT TEXT (PROGRESSION POLICIES AND REQUIREMENTS HEADING)

Progression

The first two years of the curriculum are considered to be lower-division and the two remaining years upper-division. Students must apply for progression to departmental upper division courses, which depends on academic performance. Factors considered include overall grade point average, performance in selected lower division courses and evidence of orderly progression through the prescribed curriculum.

Full Status

A lower-division student may apply for progression to upper division after completing EF 152, CHEM 120*, MATH 231, ME 202, ME 231, and ME 321, and PHYS 231*, as well as BME 271 for biomedical engineers, with a grade of C or better in each, and an overall GPA of at least 2.4 in these courses. Students who have not satisfied the requirements for full status will be dropped from departmental class rolls in upper division courses.

Provisional Status

Students who have completed EF 152, CHEM 120*, ME 202, MATH 231, ME 202, ME 231 and ME 321, as well as BME 271 for biomedical engineers, and PHYS 231* with a grade of C or better and have an overall a GPA between 2.0 and 2.4 in these courses may apply for provisional status. The granting of provisional status is based on the availability of space in departmental programs after full status students have been accommodated. Provisional status students are required to demonstrate their ability to perform satisfactorily in upper-division by attaining a minimum GPA of 2.0 in the first 12 hours of 300-level required engineering courses. Award of upper-division full status is dependent upon this performance. Students with an overall a UTK GPA less than 2.0 will not be admitted to upper-division. Students who have not progressed to upper-division will be dropped from departmental class rolls in upper division courses.

Transfer Students

Students transferring more than 26 hours from another institution are considered transfer students. Transfer students must meet the same criteria as non-transfer students, using transfer grades for acceptable substitutions.

Rationale: Reflects departmental change in courses required for progression and departmental decision to not allow unacceptable grades for transfer credit. Impact on other units: None. Financial impact: None.

REVISE AEROSPACE ENGINEERING PROGRAM TEXT (PROGRESSION POLICIES AND REQUIREMENTS HEADING)

Progression

The first two years of the curriculum are considered to be lower-division and the two remaining years upper-division. Students must apply for progression to departmental upper division courses, which depends on academic performance. Factors considered include overall grade point average, performance in selected lower division courses and evidence of orderly progression through the prescribed curriculum.

Full Status

A lower-division student may apply for progression to upper division after completing EF 152, CHEM 120*, MATH 231, ME 202, ME 231, and ME 321, and PHYS 231*, as well as BME 271 for biomedical engineers, with a grade of C or better in each, and an overall GPA of at least 2.4 in these courses. Students who have not satisfied the requirements for full status will be dropped from departmental class rolls in upper division courses.

Provisional Status

Students who have completed EF 152, CHEM 120*, ME 202, MATH 231, ME 202, ME 231 and ME 321, as well as BME 271 for biomedical engineers, and PHYS 231* with a grade of C or better and have an overall a GPA between 2.0 and 2.4 in these courses may apply for provisional status. The granting of provisional status is based on the availability of space in departmental programs

after full status students have been accommodated. Provisional status students are required to demonstrate their ability to perform satisfactorily in upper-division by attaining a minimum GPA of 2.0 in the first 12 hours of 300-level required engineering courses. Award of upper-division full status is dependent upon this performance. Students with ~~an overall~~ **a UTK** GPA less than 2.0 will not be admitted to upper-division. Students who have not progressed to upper-division will be dropped from departmental class rolls **in upper division courses**.

Rationale: Reflects departmental change in courses required for progression and departmental decision to not allow unacceptable grades for transfer credit. Impact on other units: None. Financial impact: None.

REVISE AEROSPACE ENGINEERING MAJOR

Term 7	Hours	Milestone Notes
AE 410*, AE 422, AE 424, AE 425, AE 426	14 13	No milestones
³ Departmental Elective	3	
EF 402	1	

Rationale: Text changes reflect departmental change in courses required for progression and departmental decision to not allow unacceptable grades for transfer credit. Showcase changes reflect College dropping EF 402 and addition of one hour to AE capstone design (AE 426). Impact on other units: None. Financial impact: None.

REVISE BIOMEDICAL ENGINEERING PROGRAM TEXT (PROGRESSION POLICIES AND REQUIREMENTS HEADING)

Progression

The first two years of the curriculum are considered to be lower-division and the two remaining years upper-division. Students must apply for progression to departmental upper division courses, which depends on academic performance. Factors considered include overall grade point average, performance in selected lower division courses and evidence of orderly progression through the prescribed curriculum.

Full Status

A lower-division student may apply for progression to upper division after completing **EF 152**, CHEM 120*, MATH 231, ME 202, ME 231, **and** ME 321, **and** **PHYS 231***, as well as BME 271 for biomedical engineers, with a grade of C or better in each, and an overall GPA of at least 2.4 **in these courses**. **Students who have not satisfied the requirements for full status will be dropped from departmental class rolls in upper division courses.**

Provisional Status

Students who have completed **EF 152**, CHEM 120*, **ME 202**, MATH 231, **ME 202**, ME 231 and ME 321, **as well as BME 271 for biomedical engineers, and** **PHYS 231*** with a grade of C or better and have ~~an overall~~ **a** GPA between 2.0 and 2.4 **in these courses** may apply for provisional status. The granting of provisional status is based on the availability of space in departmental programs after full status students have been accommodated. Provisional status students are required to demonstrate their ability to perform satisfactorily in upper-division by attaining a minimum GPA of 2.0 in the first 12 hours of 300-level required engineering courses. Award of upper-division full status is dependent upon this performance. Students with ~~an overall~~ **a UTK** GPA less than 2.0 will not be admitted to upper-division. Students who have not progressed to upper-division will be dropped from departmental class rolls **in upper division courses**.

Rationale: Reflects departmental change in courses required for progression and departmental decision to not allow unacceptable grades for transfer credit. Impact on other units: None. Financial impact: None.

REVISE BIOMEDICAL ENGINEERING MAJOR

Term 3	Hours	Milestone Notes
BCMB 230	5	EF 151* or PHYS 135*
MATH 200 , MATH 231	4 3	
ME 231	3	
PHYS 231*	3	
STAT 251	3	
Term 4		
BME 271	3	EF 152* or PHYS 136*
MATH 200 ; MATH 241 or MATH 247	4 5	
ME 321	3	
MSE 201	3	
PHYS 231*	3	
Term 7		
BME 410*, BME 430*, BME 455, BME 473 or BME 477	11 10	No milestones
ECON 201* or ECON 207*	4	

² Social Sciences Elective*	3	
Term 8		
⁴ Biomedical Engineering Elective	3	No milestones
BME 469	3	
² Cultures and Civilizations Electives*	6	
EF 402	4	
³ Technical Elective	3	
TOTAL	128	

Rationale: Reordering of courses for change in prerequisites for BME 271. College dropping EF 402 and addition of one hour to BME capstone design (BME 455). Impact on other units: None. Financial impact: None.

REVISE MECHANICAL ENGINEERING PROGRAM TEXT (PROGRESSION POLICIES AND REQUIREMENTS HEADING)

Progression

The first two years of the curriculum are considered to be lower-division and the two remaining years upper-division. Students must apply for progression to departmental upper division courses, which depends on academic performance. Factors considered include overall grade point average, performance in selected lower division courses and evidence of orderly progression through the prescribed curriculum.

Full Status

A lower-division student may apply for progression to upper division after completing ~~EF 152~~, CHEM 120*, MATH 231, ME 202, ME 231, ~~and ME 321, and PHYS 231*~~, as well as BME 271 for biomedical engineers, with a grade of C or better in each, and an overall GPA of at least 2.4 ~~in these courses. Students who have not satisfied the requirements for full status will be dropped from departmental class rolls in upper division courses.~~

Provisional Status

Students who have completed ~~EF 152~~, CHEM 120*, ~~ME 202~~, MATH 231, ~~ME 202~~, ME 231 and ME 321, ~~as well as BME 271 for biomedical engineers, and PHYS 231*~~ with a grade of C or better and have ~~an overall~~ a GPA between 2.0 and 2.4 ~~in these courses~~ may apply for provisional status. The granting of provisional status is based on the availability of space in departmental programs after full status students have been accommodated. Provisional status students are required to demonstrate their ability to perform satisfactorily in upper-division by attaining a minimum GPA of 2.0 in the first 12 hours of 300-level required engineering courses. Award of upper-division full status is dependent upon this performance. Students with ~~an overall~~ a UTK GPA less than 2.0 will not be admitted to upper-division. Students who have not progressed to upper-division will be dropped from departmental class rolls ~~in upper division courses.~~

Rationale: Reflects departmental change in courses required for progression and departmental decision to not allow unacceptable grades for transfer credit. Impact on other units: None. Financial impact: None.

REVISE MECHANICAL ENGINEERING MAJOR

Term 8	Hours	Milestone Notes
² Departmental Electives	6	No milestones
EF 402	4	
ME 449*, ME 460	6 5	
¹ Social Sciences Elective*	3	

Rationale: Reflects College dropping EF 402 and addition of one hour to ME capstone design (ME 460). Impact on other units: None. Financial impact: None.

REVISE MECHANICAL ENGINEERING MAJOR, HONORS CONCENTRATION

In addition to satisfying the requirements for the mechanical engineering major, candidates for the honors mechanical engineering concentration must also complete the following requirements.

- First-year courses for honors concentrations in the engineering majors. (Note: Most of the honors requirements are course substitutions for the mechanical engineering major.)
- Two upper-division honors courses in mechanical engineering (ME 367, ME 397, ME 477).
- A minimum of 3 credit hours of an honors senior design course. This requirement is normally satisfied as part of the senior capstone design course (ME ~~460~~ 450).

Rationale: Reflects changes in hours for ME capstone design course. Impact on other units: None. Financial impact: None.

DEPARTMENT OF NUCLEAR ENGINEERING

REVISE DEPARTMENT TEXT

The program for the Bachelor of Science in Nuclear Engineering is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>, which is described elsewhere earlier in this catalog. Program educational objectives (PEOs) are broad statements that describe what graduates are expected to attain within a few years of graduation. The PEOs educational objectives of the Bachelor of Science program are the following to

- Graduates who enter professional practice will demonstrate progression toward positions of technical responsibility or leadership in their discipline.
- Graduates who pursue full-time graduate or advanced professional study will progress and successfully complete their programs of study in their discipline.
- Graduates will continue professional development practices that enable them to remain competent in the ever expanding discipline of nuclear engineering.
- Apply fundamental knowledge in mathematics, computer science, the basic sciences, and the engineering sciences to address opportunities in nuclear and radiological engineering.
- Apply their design and analysis experience in nuclear and radiological engineering practice that shall include environmental, societal, safety, and economic considerations.
- Use skills in oral and written communication, teamwork, laboratory work, problem solving, and the use of modern engineering tools to work productively in a contemporary and global environment.
- Use a diverse general education in the humanities, ethics, and social sciences that complements their technological education in order to understand and appreciate the importance of each in society and in personal development, and
- Engage in life-long learning for professional and personal growth.

Rationale: The new list of objectives is fully consistent with the goals of ABET and provides a single and clear message to students and faculty to follow. Impact on other units: None. Financial impact: None.

ADD PROGRAM TEXT (AFTER PROVISIONAL STATUS PARAGRAPH), NUCLEAR ENGINEERING MAJOR

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 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: This statement ensures that students in nuclear engineering-radiological engineering concentration will progress toward graduation requirements on the basis of at least a minimally adequate achievement in their course work within the nuclear engineering discipline. Impact on other units: None. Financial impact: None.

REVISE NUCLEAR ENGINEERING MAJOR

Term 6	Hours	Milestone Notes
NE 360, NE 401*, NE 433, NE 470	14 13	No milestones
¹ Social Sciences Elective*	3	
Term 7		
¹ Cultures and Civilizations Elective*	3	No milestones
ME 321	3	
MSE 201	3	
NE 402* or NE 427*, NE 471	5 3	
² Technical Elective	3	
Term 8		
¹ Arts and Humanities Elective*	3	No milestones
EF 402	4	
NE 400*, NE 406 or NE 467, NE 472	7 8	
² Technical Elective	3	
TOTAL	126 125	

Rationale: Our department has concluded that nuclear engineers obtaining and using their PE license are more the exception than the rule. Thus, our programs can entertain a reduction of 1 credit via elimination of EF 402. Rationale for increase of NE 401 and NE 402 is described elsewhere. Impact on other units: None. Financial impact: None.

ADD PROGRAM TEXT (AFTER PROVISIONAL STATUS PARAGRAPH), NUCLEAR ENGINEERING MAJOR, RADIOLOGICAL ENGINEERING CONC

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 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: This statement ensures that students in nuclear engineering-radiological engineering concentration will progress toward graduation requirements on the basis of at least a minimally adequate achievement in their course work within the nuclear engineering discipline. Impact on other units: None. Financial impact: None.

REVISE NUCLEAR ENGINEERING MAJOR, RADIOLOGICAL ENGINEERING CONCENTRATION

Term 6	Hours	Milestone Notes
NE 401*, NE 433, NE 470	10 9	No milestones
¹ Social Sciences Elective*	3	
STAT 251	3	
Term 7		
¹ Cultures and Civilizations Elective*	3	No milestones
ME 321	3	
NE 402* or NE 427*, NE 490, NE 471	8 6	
² Technical Elective	3	
Term 8		
¹ Arts and Humanities Elective*	3	No milestones
EF 402	1	
NE 400*, NE 406 or NE 467, NE 472	7 8	
² Technical Elective	3	
TOTAL	125 124	

Rationale: Our department has concluded that nuclear engineers obtaining and using their PE license are more the exception than the rule. Thus, our programs can entertain a reduction of 1 credit via elimination of EF 402. Rationale for increase of NE 401 and NE 402 is described elsewhere. Impact on other units: None. Financial impact: None.

COLLEGE OF NURSING**All changes effective Fall 2014****(NURS) Nursing**

REVISE CREDIT HOURS

488 Nursing Honors Capstone (1-2)

Formerly: (1)

Course Impact	
Course	Catalog Location
NURS 488	College text, College of Nursing Honors Program heading

Rationale: With the new option available to students to take N471 [Nursing Research] in the summer term, many students are short 1 credit hour in the fall semester, senior year. As such, this flexible registration would allow honors students to enroll in more than 1 credit of NURS 488 rather than enrolling in 1 credit of NURS 488 and 1 credit of NURS 493. Further, students may also have the option to enroll in NURS 488 if they wish to do so with permission of the mentor during the summer term between junior and senior year. Impact on other units: None. Financial impact: None.

COLLEGE OF SOCIAL WORK

All changes effective Fall 2014

REVISE SOCIAL WORK MAJOR

Term 1	Hours	Milestone Notes
BIOL-101*	4	2.0 cumulative GPA
ENGL 101* or ENGL 118*	3	
⁴ Foreign Language (Intermediate level)*	3	
Foreign Language (100-level)	3	
MATH 113* or MATH 117*	3	
¹ Natural Sciences Elective*	4	
SOWK 200 or SOWK 207	3	
Term 2		
BIOL-102*	4	ENGL 102*
CMST 210* or CMST 217*	3	
ENGL 102*	3	
⁴ Foreign Language (Intermediate level)*	3	
Foreign Language (100-level)	3	
¹ Natural Sciences Elective*	3-4	
PSYC 110* or PSYC 117*	3	
Term 3		
ANTH 130* or ANTH 137*	3	Completion of at least 45 credit hours
² Arts and Humanities Electives*	6	2.5 cumulative GPA to begin upper-division Social Work courses
³ Cultures and Civilizations Elective* (History Sequence)	3	
⁴ Unrestricted Elective	3	
Term 4		
³ Cultures and Civilizations Elective* (History Sequence)	3	2.5 cumulative GPA to begin upper-division Social Work courses
ECON 201* or ECON 207*	4	SOWK 200 or SOWK 207 with grade of C or better
POLS 101* or POLS 107*	3	SOWK 250 with grade of C or better
SOCI 120* PSYC 220	3	
SOWK 250*	3	
Term 5		
CFS 220*	3	SOWK 312
MATH 115*	3	
SOWK 312	3	
SOWK 314* or SOWK 317*	3	
⁴ Unrestricted Elective	3	
Term 6		
SOWK 313, SOWK 315, SOWK 380	9	SOWK 380
SOWK 316 or SOWK 318	3	
⁴ Unrestricted Elective	3	
Term 7		
SOWK 416, SOWK 480	9	No milestones
SOWK 410 or SOWK 417	3	
⁴ Unrestricted Elective	3	
Term 8		
SOWK 460 or SOWK 467	3	SOWK 481 or SOWK 483
SOWK 481 (if SOWK 480 in Term 7) or SOWK 483	6 or 12	
⁴ Unrestricted Elective	3-4 3	
TOTAL (minimum)	120	

* Meets University General Education Requirement.

¹ Natural Sciences—chosen from the University General Education list. Students who wish to enroll in graduate school should consider at least one biology with a lab for the Natural Sciences requirement.

² Arts and Humanities—chosen from the University General Education list.

³ Cultures and Civilizations—chosen from the University General Education list. Students who wish to study abroad should consider intermediate foreign language as their two Cultures and Civilizations courses, as well as a minor in their chosen foreign language. Most international universities require completion of a 300-level course in foreign language in order to study abroad.

⁴ Any courses not already required for the major.

* Meets University General Education Requirement.

¹ Students are required to complete 6 hours of the same foreign language at the intermediate level, chosen from the University General Education list.

² Arts and Humanities—chosen from the University General Education list. Select two courses from the list.

³ One of the following sequences may be selected — AFST 235*-AFST 236*; HIST 241*-HIST 242*, HIST 261*-HIST 262*; LAC 251*-LAC 252*; MRST 201*-MRST 202*; REST 101*-REST 102.

⁴ Any courses not already required for the major.

Rationale: These changes will allow the development of academic plans that meet the individual needs and career goals of our BSSW students and ensure that all general education requirements are met. For example, students who wish to study abroad would be advised to take intermediate foreign language as their two cultures and civilization courses, as well as a minor in their chosen foreign language. Students who wish to enroll in graduate school would be advised to take at least one Biology course with a lab for the Natural Science general education requirement. Impact on Other Units: Negligible. Financial impact: None.

INTERCOLLEGIATE PROGRAMS**All changes effective Fall 2014****(CMMD) Comparative and Experimental Medicine**

DROP ACADEMIC DISCIPLINE AND COURSE

411 Undergraduate Research Participation (1-3)

ADD ACADEMIC DISCIPLINE AND COURSE

(CEM) Comparative and Experimental Medicine

411 Undergraduate Research Participation (1-3) Experience in active biomedical research projects under supervision of faculty. Students in pre-medicine, biology, and related majors may conduct research projects within designated areas.

Grading Restriction: Satisfactory/No Credit grading only.

Repeatability: May be repeated with consent. Maximum 9 hours.

Comment(s): Contact coordinator prior to registering for class.

Equivalency Table

Current Course	Equivalent Course Effective Fall 2014
Comparative and Experimental Medicine (CMMD)	Comparative and Experimental Medicine (CEM)
411	411

Course Impact

Course	Catalog Location
CMMD 411	None

Rationale: The Comparative and Experimental Medicine program has requested that the Graduate Curriculum Committee merge its two disciplines (CMMD and CMVM) into one new discipline (CEM). Impact on Other Academic Units: None at the undergraduate level. Financial Impact: None.

HASLAM SCHOLARS PROGRAM

All changes effective Fall 2014

REVISE HASLAM SCHOLARS PROGRAM

The Haslam Scholars Program would like to recognize students who complete program requirements by noting their participation on the official transcript and undergraduate diploma in the same way that Chancellor's Honors Program students are distinguished. The proposed change would help define the student experience and document the achievement for students. Each term an HSP staff member will provide a list of Haslam Scholars in good standing so transcript notations can be entered. In addition, an HSP staff member will provide a list of seniors who have completed program requirements so notations can be entered on member diplomas. At this time, no change to the current catalog program text is requested.

Revised uTrack Language

Option 1

uTrack requirements only affect ~~first-time, first-year~~, full-time, degree-seeking, ~~non-transfer~~ students ~~who first entered~~ ~~entering~~ Fall 2013 ~~or later~~.

Option 2

uTrack requirements only affect ~~first-time, first-year~~, full-time, degree-seeking students ~~who first entered~~ ~~entering~~ Fall 2013 ~~or later~~.
~~uTrack does not apply to transfer students.~~

Option 3—APPROVED

uTrack requirements only affect ~~first-time, first-year~~, full-time, degree-seeking students ~~who first entered~~ ~~entering~~ Fall 2013 ~~or later~~.
~~uTrack does not apply to transfer students who enter prior to Fall 2015.~~

Option 4

uTrack requirements only affect ~~first-time, first-year~~, full-time, degree-seeking students ~~who first entered~~ ~~entering~~ Fall 2013 ~~or later~~.
~~Starting in Fall 2015, transfer students will have their progress tracked with uTrack.~~

GENERAL EDUCATION COMMITTEE REPORT

December 11, 2013 Meeting Minutes

Present: Kirsten Benson, RJ Hinde, Courtney Shaffer, Suzanne Wright, Barbara Murphy, George Drinnon, Stefanie Bowen, Missy Parker, Monique Anderson, Cheryl Norris, Mary McAlpin, Jim Hall, Rob Hardin, Richard Bennett, Cheryl Kojima, Dixie Thompson, Rachel Radom, Jeff Larsen, Chuck Collins, Harold Roth.

1. We welcomed Cheryl Kojima, new Natural Sciences subcommittee chair, and Jeff Larsen, new Social Sciences subcommittee chair.
2. The following courses were approved for General Education:

Communicating through Writing

- **REST 413** – Seminar in Early Judaism
- **REST 423** – Seminar in Early Christianity

Social Sciences

- **GEOG 111** – Geography of the Digital World
- **GEOG 121** – Human Geography: People and Places
 - GEOG 121 is a new number for what was GEOG 201; the course syllabus and objectives indicate that the course retains the SS characteristics.

Cultures and Civilizations

- **PLSC 491** – International Study: History and Culture of International Gardens and Landscapes
 - Note that PLSC 491 was approved as a 400-level course because it of its special nature as a study abroad course; historically, the committee has not approved 400-level courses for Broadened Perspectives areas. Also, while the location of the course may change from year to year, the title and course design will not change.

Arts and Humanities

- **UNHO 257** – Special Topics in the Arts and Humanities – “History of English Peoples”
 - Note: UNHO 257 has already been approved for AH, but since it is a variable topics course, the UNHO program sends each new Special Topics course for approval.

3. We discussed an AH proposal for Art Design 150 and requested additional information about whether the course will be open to non-Studio Art majors and whether the capacity will be raised to allow any student to enroll. We will hear back about this at the next meeting.
4. Missy Parker provided an update on petition workflow problems. Some changes in the Arts and Sciences Advising office will take effect on January 1 that should help alleviate some of the problems with tracking petitions across the various offices. However, there is significant need for an updated process since the existing one, created in 2004, cannot handle the volume of petitions in a timely manner. The Committee voiced unanimous support for making a funding request for an OIT

programmer to write a new workflow in Banner, which would eliminate the need for paper/campus mail, offer better tracking of petitions, and would speed up the approval process, especially since the problems significantly affect transfer students. This issue is on the radar of the Vice Provost for Academic Affairs and OIT; the Gen Ed Committee will request that funds be allocated to this job as soon as possible.

In the interim, Stefanie Bowen will make the petitions database available to the Gen Ed subcommittee chairs for viewing. A suggestion was made to create a SharePoint site to distribute and exchange petition materials between the Gen Ed subcommittee chairs and the A & S petitions office; that will be investigated and we'll hear back about that at a future meeting. A question was raised about whether it would be feasible to create a list of courses from particular institutions that are frequently petitioned and always approved; this might eliminate some duplication of work over time. Stefanie will update the Committee with a list of such courses for further discussion of this in a future meeting.

5. We discussed General Education assessment. Kirsten Benson provided an update on the in-progress Gen Ed assessment for SACS for 2013-14. A cross section of 20% of all Gen Ed courses were identified for assessment this year; course liaisons were asked to submit samples of student work from this Fall to assess one outcome within the Gen Ed area under which the course is listed. In January, the subcommittee chairs and course liaisons will be asked to approve rubrics appropriate for rating the student work samples submitted. Raters will be hired (and paid centrally, this year only) to do the work of scoring; course liaisons will be contacted to identify appropriate raters for each area. Assessment reports will be sent to departments later in Spring 2014 for response. The completed reports will be submitted with the University's SACS report.

We have made progress on clarifying specific student learning outcomes in the General Education areas, and we will continue to discuss these as we move forward with a process of creating a long-term plan for assessing General Education. One question to resolve is whether all the learning outcomes identified in an area should be assessable in each course approved in that area. Other questions will need to be addressed as well. A working group will be formed to investigate and propose a long-term plan for Gen Ed assessment, and an update on that work will be made to the Committee in Spring. Most likely work on this issue will continue through next academic year (2014-15) in order to come up with a plan that works and is endorsed by faculty.

There was no other business. The meeting adjourned at 9:55 am.

Next meeting: January 15, 2014, 8:30 am, UC 237

January 15, 2014 Meeting Minutes

Present: Monique Anderson, Kirsten Benson, Chuck Collins, George Drinnon, John Haas, Jim Hall, RJ Hinde, Cheryl Kojima, Jeff Larsen, Catherine Luther, Mary McAlpin, Katie McCay, Barbara Murphy, Cheryl Norris, Missy Parker, Rachel Radom, Harold Roth, Richard Strange, Dixie Thompson, Kathy Warden, Suzanne Wright

1. The following courses were approved for General Education:

Oral Communication

- **MICR 495** – Senior Seminar: Perspectives in Microbiology
 - The committee voted for contingent approval of the proposal. The department needs to provide some updated materials, which the Committee will review prior to the January Undergraduate Council meeting.

Quantitative Reasoning

- **PHIL 130** – Critical Thinking
- **PHIL 235** – Formal Logic

Arts and Humanities

- **ARTD 150** – The Idea of Graphic Design

2. The committee discussed a proposal from Plant Sciences 115 for the CC area. Suggestions for revision were offered and we expect to revisit the revised proposal in February.
3. Kirsten Benson provided a brief update on the ongoing General Education Assessment: Most of the student work materials have been received from courses designated for Gen ED assessment this year. Next steps include identification of rubrics appropriate for each type of work and outcome and identification of raters to start scoring the work.

The working group on developing a new and enduring plan for General Education Assessment will start its work sometime in January and will continue through this year and probably into next. We will provide updates and over time; the process will include dialogue with university faculty and departments.

4. Chuck Collins presented revised language for the Catalog statement on Quantitative Reasoning. This change simply makes explicit the existing assumption that mathematical reasoning includes logical reasoning; the language now refers directly to “logical” reasoning in the QR area. The committee voted to approve this language, which will be added to the revised Catalog language that the Committee is working on (work that is still ongoing).
5. Other business: Missy Parker updated the committee on the issue of the workflow and handling of petitions. She and Stefanie Bowen are meeting soon with OIT to discuss a SharePoint site and other ways to improve these processes.

The subcommittee chairs agreed to ask departments to provide the most current available syllabus and course materials with their General Education course proposals to facilitate the review process.

Next meeting: February 12, 2014, 8:30 am, UC 237