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Undergraduate Council Minutes of Meeting February 2, 2010

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**The University of Tennessee, Knoxville
Undergraduate Council
Minutes of Meeting
February 2, 2010
2:00pm – Crest Room – University Center**

MEMBERS PRESENT: Mary Albrecht (for John Mount and Bill Park), Amy Billone, Don Clark, Chuck Collins, Don Cox, Paul Crilly, Rebekah Page (for Steve Dandaneau), Ruth Darling, Jeff Fairbrother, Ann Fairhurst, Tom George, George Hoemann, Greg Kaplan, John Koontz (Vice Chair/Chair Elect), Mark Moon, Masood Parang, Fred Pierce, Chris Pionke, Gary Ramsey, Harold Roth, Jennifer Schweitzer, Matthew Theriot, Dixie Thompson (Chair), Teresa Walker, Cynthia White, Mike Wirth, Pia Wood

OTHER ATTENDEES: Fadia Alvic, Eric Brey, Sarah DeYoung, Sally McMillan, Roger Parsons, Missy Parker, Margie Russell

The meeting was called to order at 2:00pm by Dixie Thompson, Chair.

Noting the Faculty Senate's recent meeting, Dixie Thompson encouraged faculty to become involved in upcoming strategic planning initiatives on campus, particularly as they relate to undergraduates.

The minutes of the [October 20, 2009](#), meeting of the Undergraduate Council were approved.

Committee Reports

- **Academic Policy (Billone)**—see pages [U1626-U1630](#)
 - Amy Billone summarized the Academic Policy Committee's work. All new and revised policies were approved.
- **Advising (Darling)**—see pages [U1631-U1632](#)
 - Ruth Darling provided an update on the advising committee's recent meeting. She noted the move to online placement exams prior to orientation and the creation of an advising vision/mission statement. Cynthia White encouraged faculty to attend the "Vol Walk of Life" which will showcase academic support services and student activities.
- **Appeals (Park)**—NO REPORT
- **Curriculum (Theriot)**—see pages [U1633-U1727](#)
 - Matthew Theriot reviewed the Curriculum Committee's recommended changes. Members briefly discussed the proposed honors engineering minor, specifically whether business prerequisites should be waived for engineering students and whether minimum requirements should be established for minors. Sally McMillan suggested that the Academic Policy Committee consider drafting guidelines for minors. All curricular changes were approved.
- **General Education(Collins)**—see page [U1728-U1731](#)
 - Chuck Collins discussed the General Education Committee's recent work. All courses recommended for gen ed were approved. Sally

McMillan provided background on the revised gen ed policy and cited additional transfer projects underway that would bring UTK into compliance with recent legislation. Fred Pierce has been working with the TBR institutions to create a business "tract" (2-year course outline) that would transfer among all state institutions. The tract outlines recommended coursework only; individual institutions retain the right to enforce progression and/or minimum GPA standards. Tracts for psychology and communications are also planned. Raising the minimum admission GPA for transfers was discussed, but no action was taken. Minor revisions were made to the proposed gen ed policy, and it was approved (see page U1730).

Dixie Thompson asked members to begin thinking about a possible change to the Council meeting time to minimize class conflicts. The issue will be discussed at the March meeting.

The meeting was adjourned at 3:40pm.

ACADEMIC POLICY COMMITTEE REPORT

All changes effective Fall 2010

October 21, 2009 Minutes

1) **Call to Order**

The meeting was called to order by Amy C. Billone, Chair, at 1:00 p.m.

There were 8 members present: Monique W. Anderson, Amy C. Billone, Don P. Clark, Ruth A. Darling, Ann E. Fairhurst, John Koontz, Maura Lafferty, Sally J. McMillan.

2) **Academic Advising Vision, Mission document**

Ruth A. Darling, EdD, Associate Vice Provost, Student Success presented the Academic Advising Vision, Mission document to the Committee for review. The Committee discussed in great detail the current ability and difficulty of effectively fostering student success through implementation of exemplary academic advising techniques at the University of Tennessee. No vote was taken because the College Deans have reviewed the Academic Advising Vision, Mission Document and given feedback as have all of the Advising Directors and Faculty Coordinators.

3) **Undergraduate Academic Advising Policy**

The advising policy proposal was submitted to us by the UG Academic Advising Committee. The Academic Policy Committee agreed that the only change to the advising policy should be the addition of "major" preceding the word "interest." The question was called and a vote was taken. The Committee unanimously approved the Undergraduate Academic Advising Policy Proposed change, which then went forward to the Undergraduate Council (with 8 voting in favor, 0 voting against, and 0 abstaining).

Undergraduate Academic Advising Policy

Prior to advanced registration, all students who have earned fewer than 30 hours at UT Knoxville, are on Academic Probation, **or have not declared a major within a specific college (undecided, pre-major, interest, undeclared)** are required to meet with an advisor during each main term of the academic year (i.e., during fall and spring). All other students are required to consult with an advisor for a substantial conference during a designated term each year as follows: students whose ID numbers end in an even digit are required to meet with an advisor during fall semester. Students whose ID numbers end in an odd digit are required to meet with an advisor during spring semester. However, students are encouraged to consult with a college or major advisor at any point during a term or academic year.

4) **Course Attendance Guidelines (military reserve)**

Monique W. Anderson, Associate Dean and University Registrar, presented new Course Attendance Guidelines for Students Serving in a Military Reserve Unit. Committee members did not vote on the document at this meeting but discussed its contents, suggesting changes to its format, such as the removal of bullet points before individual guidelines.

November 18, 2009 Minutes**1) Call to Order**

The meeting was called to order by Amy C. Billone, Chair, at 1:00 p.m.

There were 8 members present: Monique W. Anderson, Amy C. Billone, Don P. Clark, Ann E. Fairhurst, John Koontz, Maura Lafferty, Sally J. McMillan, Masood Parang.

2) 5-year B.S./M.S. Program

Masood Parang, Associate Dean of the College of Engineering, presented the request for a 5-year B.S./M.S. Program for Electrical Engineering, Computer Engineering, and Computer Science.

Dr. Parang explained that the university already has 7 programs in the College of Engineering that have been approved for this combined degree with very similar language. He argued that the university's peer schools are using this combined program and that it is important for graduate recruitment in engineering.

Following a brief discussion, the question was called and a vote was taken. The Committee unanimously voted to approve the three programs (8 voting in favor, 0 voting against, and 0 abstaining).

The description (shown below) sets conditions for qualified students to earn graduate credit up to a maximum of 6 credit hours taken toward their B.S. degree:

5-Year BS/MS Program

The department offers a 5 year BS-MS program for qualified students. The primary component of the program is that qualified students may take up to 6 hours of approved graduate courses for their senior undergraduate electives and have them count toward both their bachelor's and master's degrees at the University of Tennessee. This program is designed for students attending the University of Tennessee for their Master of Science degree because other universities may not accept these courses for graduate credit since they were used to satisfy requirements for the Bachelor of Science degree.

Significant components of the program are:

- Students must have an overall GPA of at least 3.4 to be admitted to the program. Conditional admission may be granted after completing 64 hours of required course work while full admission is granted after completing 96 hours of required course work with a minimum overall GPA of 3.4.
- Students must at least have conditional admission before taking graduate courses for both their bachelor's and master's degrees. All courses taken for graduate credit must be approved by the departmental chair of the program. Students admitted to the program must request permission from the Graduate School to take approved courses for graduate credit.
- Students admitted to the program must also follow the normal procedure for admission to the Graduate School. Admission of students into this program must be approved by the department and the Graduate School.
- Students will not be eligible for graduate assistantships until they are admitted to Graduate School.

3) Course Attendance Guidelines (military reserve)

Monique W. Anderson, Associate Dean and University Registrar, presented new Course Attendance Guidelines for Students Serving in a Military Reserve Unit.

Committee members discussed the possibility that students would receive orders after the start of the semester. The wording of the guidelines was then changed to include course withdrawal as well as enrollment issues. The Committee also agreed to change "the professor/lecturer has the right to suggest that the student not enroll in the course" to "the professor/lecturer should recommend that the student not enroll in or must withdraw from the course."

After the guidelines were revised by the Committee, the question was called and a vote was taken. The revised version of the Course Attendance Guidelines for Students Serving in a Military Reserve Unit was unanimously approved by the Committee. (8 voting in favor, 0 voting against, and 0 abstaining). The revised guidelines read as follows:

Course Attendance Guidelines for Students Serving in a Military Reserve Unit

On the first day of class each term, or immediately after orders are received, students should share the official military document that outlines the dates of the required camps (e.g. three day weekend training once a month and/or two week training camps in the summer) with their professors/lecturers. For training periods not regularly scheduled, the student should provide official orders for the professor's/lecturer's review. Professors/lecturers who feel the required time away from class may be too much to allow a student to do well should consult with the student to determine whether, through extra effort and tutoring, the missed class days may be made up. If not, the professor/lecturer should recommend that the student not enroll in or must withdraw from the course. If the student is already enrolled and needs to withdraw from the course, the student should consult with the Office of the University Registrar.

4) Announcements

Unless it is decided otherwise, our next Academic Policy Committee meeting will be held on Wednesday, January 13, 2010 from 1:00 until 2:30 at the University Center, Crockett (217).

January 13, 2010 Minutes

1) Call to Order

The meeting was called to order by Amy C. Billone, Chair, at 1:00 p.m. There were 10 members present: Monique W. Anderson, Amy C. Billone, Ruth Darling, Ann E. Fairhurst, Greg Kaplan, John Koontz, Maura Lafferty, Sally J. McMillan, Masood Parang, Missy Parker.

2) Policy RE: High School Deficiencies

Sally J. McMillan explained her request that the APC consider a change to the policy on high school deficiencies. Following a brief discussion, the question was called and a vote was taken. The committee unanimously voted to approve the policy (see below).

3) Other Issues

The committee discussed issues concerning the transfer of gen ed credits between the University of Tennessee and other programs. The committee also discussed issues arising from undergraduates taking 500-level classes for 400-level credit.

4) Announcements

Unless it is decided otherwise, our next Academic Policy Committee meeting will be held on Wednesday, January 27, 2010 from 1:00 until 2:30 at the University Center, Crockett (217).

High School Deficiencies Policy

Date: January 8, 2010

To: Amy Billone, Chair Undergraduate Academic Policy Committee

From: Sally J. McMillan, Vice Provost for Academic Affairs

RE: Policy Regarding High School Deficiencies

I request that the APC consider a change to the policy on high school deficiencies. The rationale for the change is as follows. The UT System, as per a November memo forward by Todd Diacon, has proposed a change in how to count credits earned to remove high school unit deficiencies. The UT Policy currently allows the credits to count for degree requirements, but not to be counted for the total hours for graduation. The policy at TBR institutions allows such credits to count for degree requirements as well as for the total hours for graduation.

Richard Bayer shared the following information. Approximately 8.5% (763) of our 2009 admitted (8862) class had a deficiency, (in 1989, according to Bob Levy, approximately 18% of admitted students had a deficiency). Of the 3874 who confirmed their fall 2009 enrollment, 238 (6%) enrolled with a deficiency. As of December, 197 (4.5%) of our 4352 students admitted for fall 2010 have a deficiency.

The existing policy once had utility in encouraging high schools to add rigor to their programs and in encouraging students to take a rigorous high school program. It no longer serves that purpose. The policy now mostly penalizes students from states and/or school districts who don't require and/or offer these courses.

Following is the current copy from page 42 of the Undergraduate Catalog with the proposed change tracked in red:

High School Deficiencies

Beginning with fall term 1989, the university adopted new undergraduate admission requirements to include certain specified courses. With the exception of American History, one high-school unit is comparable to one three-hour semester of university work.

- Freshmen must remove any deficiencies within their first 60 hours of university work.
- Transfer students graduating from high school in 1989 or later and having more than 12 hours of transfer work must remove the deficiencies within their first 30 hours at UT Knoxville.
- Transfer students graduating from high school in 1989 or later having 60 or more hours of transferable work will be exempt from university unit entrance requirements.
- Any student graduating from high school before 1989 will be exempt from university unit entrance requirements.
- If the course taken to remove a deficiency fulfills a curricular requirement, the hours will be counted toward satisfying the requirement. Those hours will ~~also be not be~~ counted toward total hours for graduation, **effectively adding to the total number required for graduation**. For additional information and a list of courses that remove high school deficiencies, see http://registrar.tennessee.edu/records/hs_deficiencies.shtml.

The listings from the registrar's site appear on the following pages.

Deficiencies in American History

- High School Courses
 - American History
- UT Courses
 - HIST 221-222 History of the United States*
 - HIST 227-228 Honors: History of the United States*
 - Six hours of these courses are required to remove one deficiency.

English

- High School courses - All regular high school English courses
- UT courses - English 101, English 102

Foreign Languages

This requirement may be fulfilled with a combination of high school and college level courses. The same language must be taken in both places to remove this deficiency.

- High School courses - Any foreign language in high school or at UT
- UT courses - Any foreign language--Two semesters (first year) of a single language at UT is equivalent to 2 high school units. The same language must be taken in both places to remove this deficiency.

Deficiencies in European History, World History and World Geography

- High School Courses
 - World History
 - World Geography
- UT Courses
 - GEOG 101-102 World Geography
 - HIST 241-242 Development of Western Civilization
 - HIST 247-248 Honors: Development of Western Civilization
 - HIST 261-262 A History of World Civilization
 - Medieval Studies 201-202 Medieval Civilization
 - English & Foreign Language
 - European History, World History & World Geography

Deficiencies in Math and Science

- Algebra
 - High School courses - Algebra I, Algebra II
 - UT courses - Math 100 Intermediate Algebra
- Geometry, Trigonometry, Advanced Mathematics, or Calculus
 - High School courses - Geometry, Trigonometry, Advanced Mathematics, Calculus
 - UT courses - Any math course
- Natural Science, including at least one year of Biology, Chemistry, or Physics
 - High School courses - All natural science, biology, chemistry, or physics courses
 - UT courses - All natural science, chemistry, or physics courses

Deficiencies in Visual and Performing Arts

- High School Courses: Any visual or performing arts course
- UT Courses
 - 100 level architecture courses
 - 100 + 200 level art courses (art history, art media, etc.)
 - 100 + 200 level dance courses
 - 100 + 200 level music courses
 - Cinema Studies 281 - Introduction to Film Studies (also listed as English 281)
 - Classics 232 - Archaeology & Art of Ancient Greece
 - Theatre 100 - Intro to Theatre
 - Theatre 220-221 - Acting I and II

ADVISING COMMITTEE REPORT

November 17, 2009 Minutes

Missy Parker chaired the advising committee meeting in Ruth Darling's absence.

Drew Webb, Cynthia White, and Maria Dill from Student Government Association presented information about the Vol Walk of Life being planned for February 16, 2010. The event is one in which numerous resources that students must utilize in order to be successful at the university will be brought together in one location and presented in a fun and interactive way. The theme of the event is modeled after "the game of LIFE".

Rebekah Page informed the committee of changes to the Chancellor's Honors Program. The hope is to grow the program from 5% of the undergraduate population to 10%. To accomplish this, the department has changed the way in which they select currently enrolled students by extending the time frame to apply. Details may be found at their website at <http://honors.utk.edu/prospective/admissions/current.html>. They have also instituted a peer advising program to help first and second year honors students.

Vern Granger announced that students are being admitted earlier than in years past. Undergraduate Admissions has already admitted nearly 3000 students for the next class. This will allow for more time to conduct holistic review. The deposits for enrollment (\$150) and housing (\$100) have been combined so newly admitted students will only have to make one payment at one time to one location. Undergraduate Admissions has also resumed making Volunteer Visits to areas throughout Tennessee, especially those farther away.

January 26, 2010 Minutes

Vol Walk of Life – Drew Webb and Maria Dill from SGA updated the committee on plans for this event to be held on February 16, 2010. They and Ruth Darling thanked the advising community for their input and support during the planning stages.

University Housing and First Year Intervention – Kristi Nelms updated the committee on the collaboration between University Housing and the Student Success Center to reach out to the students who received reports through the First-Year Intervention system

Pre-Orientation – Michele Stauffer and Brian Russell reported that the website is undergoing some final revisions and will be open to students in mid-April. The university community will be able to see it and "test-run" earlier than that. Information on foreign language placement exams (both modern and classic) will be posted as well as math placement. General Education requirement information will also be found there, as well as VOLcubulary. There are plans to review the data collected after this summer's Orientation for possible future revisions. There are over 200 registrants for Orientation now.

TennACADA Update - - Brian Russell announced that the executive committee will be meeting shortly to plan spring events. Brian and Ruth urged attendance at the NACADA Region 3 conference for 2010 (Lexington, KY) because UT is hosting the 2011 NACADA Region 3 conference.

Student Success Center Updates – Academic Success Workshops, Supplemental Instruction, FYS 101

Retention Webinars – Ruth announced the upcoming webinars and invited interested parties to attend. See schedule at the end of the minutes.

Chancellor's Teaching & Advising Awards – Ruth announced that the award structure would not be changed in any way from years past for this year. She encouraged nominations. See attached nomination form.

Other announcements –

Phyliss Shey announced that the Student Success Center will host a webinar to be held on February 18th from 1:00-2:00 about Google Analytics.

Four Academic Advisor positions are being advertised for Arts & Sciences. The positions are advertised on NACADA's website and in higheredjobs.com.

Advising Committee meetings beginning at 1:30 in the BCC multi-purpose room:
Tuesday, February 23, 2010 (CHANGE FROM 2/16)
Tuesday, March 16, 2010
Tuesday, April 20, 2010
Tuesday, May 04, 2010

Retention webinar schedule – from 2:00 – 3:30 in HBB 316
February 10 – Identifying the most at-risk first time in college students
May 12 - Biology student departure and persistence
June 16 - Expertise-development mentoring: A case study of an intervention to improve first generation college freshmen academic performance
July 14 – Beyond the first year retention

CURRICULUM COMMITTEE REPORT

The Curriculum Committee met at 2:00 pm on January 19, 2010.

Members Present: Don Cox, Jeff Fairbrother, Tom George, Ron Kalafsky, Barbara Klinkhammer, Mark Moon, John Mount, Bill Park, Fred Pierce, Chris Pionke, Gary Ramsey, Matthew Theriot (chair), Dixie Thompson

Other Attendees: Monique Anderson, Sarah DeYoung, Barbara Moore, Cheryl Norris, Masood Parang, Donde Plowman, Michelle Violanti

Curricular proposals from the following units were approved:

- 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
- Chancellor's Honors

* General education course

† Cross-listed course

◆ Add or drop of major, concentration, minor

COLLEGE OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES

All changes effective Fall 2010

I. COURSE CHANGES**AGRICULTURE AND NATURAL RESOURCES (INTERDEPARTMENTAL)**

DROP ACADEMIC DISCIPLINE AND COURSES (MOVING TO NEW ALEC ACADEMIC DISCIPLINE)

(042) (AGEE) Agricultural and Extension Education

- 201 Field Experience in Agricultural and Extension Education (1)
- 211 Foundations of Agricultural and Extension Education (3)
- 301 Non-Formal Youth Development Programs (1-2)
- 345 Program Planning in Agriscience Education (3)
- 434 Methods of Teaching Agriscience (3)
- 435 Student Teaching in Agricultural and Extension Education (6)
- 436 Student Teaching in Agricultural and Extension Education (6)
- * 440 Communication Techniques in Agriculture (3)
- 450 Agricultural Leadership Development (3)
- 492 Internship in Agricultural and Extension Education (1-6)
- 493 Independent Study (1-3)

DROP ACADEMIC DISCIPLINE AND COURSES (MOVING TO NEW ALEC ACADEMIC DISCIPLINE)

(043) (ANRL) Agricultural and Natural Resource Leadership

- 101 Introduction to Agricultural and Natural Resource Leadership (1)
- 102 Leadership Development in Small Groups and Teams (3)
- 202 Leadership and Diversity in Organizations and Communities (3)
- 303 Classic Figures in Leadership (3)
- 304 Leadership, Motivation, Power and Influence (3)
- 412 Seminar in Agricultural and Natural Resource Leadership (1)
- 492 Internship in Agricultural and Natural Resource Leadership (3)

AGRICULTURAL LEADERSHIP, EDUCATION AND COMMUNICATIONS PROGRAM

ADD NEW ACADEMIC UNIT FOR AGRICULTURAL LEADERSHIP, EDUCATION & COMMUNICATIONS (078/ALEC)

ADD ACADEMIC DISCIPLINE AND COURSES (MOVING FROM AGEE AND ANRL)

(078) (ALEC) Agricultural Leadership, Education and Communications

101 Introduction to Agricultural and Natural Resource Leadership (1) Analyze and evaluate students' current beliefs about leadership and recognize and identify behaviors used by effective leaders in the field of agricultural and natural resources.

102 Personal Leadership Development (3) Study of leadership dynamics as it pertains to personal leadership growth.

103 Leadership Development in Small Groups and Teams (3) Study of leadership dynamics in small groups and how to be more influential in social and work settings related to the area of agricultural and natural resources.

201 Field Experience in Agricultural Leadership, Education and Communications (1) Field observation/experience in potential agricultural leadership, education and communications career fields.

202 Leadership and Diversity in Organizations and Communities (3) Analysis of the dynamic interactions of personal characteristics, technical skills, interpersonal influence, commitment, goals, and power necessary for both leader and follower effectiveness in complex agricultural and natural resource organizations. Examination of leadership theories and their applications in diverse organizations and communities.

211 Foundations of Agricultural Leadership, Education and Communications (3) History and philosophy of agricultural leadership, education and communications.

***240 Presentation and Sales Strategies for Agricultural Audiences (3)** Utilizing instructional methods, techniques, and problem solving, presentation and sales strategies with agricultural audiences.

Satisfies General Education Requirement: (OC)

301 Non-Formal Youth Development Programs (1-2) Structured experience in administrating, organizing, conducting, and evaluating youth education programs in agricultural and extension education.

Repeatability: May be repeated. Maximum 6 hours.

303 Classic Figures in Leadership (3) Examination of leadership from an applied context. Leadership is analyzed through a variety of genres: autobiography, drama, fiction, tracts and treatises, and speeches.

304 Leadership, Motivation, Power and Influence (3) Classical and contemporary motivation theories as applied to leadership in agricultural and natural resource organizations and communities. Organizational influence processes, power and influence in organizations and communities.

340 Marketing and Public Strategies for Global Sectors (3) Examines how agricultural organizations communicate their mission, vision and goals for their company both in the United States and internationally. Students will examine agricultural companies in all sectors and analyze how they respond to global change.

345 Program Planning in Agriscience Education (3) Overview of the historical and philosophical aspect of agriculture education, the role of teacher and learner.

(DE) Prerequisite(s): 211.

412 Seminar in Agricultural Leadership (1) Analyzing contemporary issues in the field of agricultural leadership.

Repeatability: May be repeated. Maximum 2 hours.

434 Methods of Teaching Agriscience (3) Methods and techniques for teaching agriculture, preparing lesson plans and units of instruction, developing activities for agriculture programs, and utilizing resources, multimedia, and computer technology into instruction.

(DE) Prerequisite(s): 345.

435 Student Teaching in Agricultural Leadership, Education and Communications (6) Full-time teaching practicum in an approved high school program. Applied practices needed by agricultural education teachers.

436 Student Teaching in Agricultural Leadership, Education and Communications (6) Full-time teaching practicum in an approved high school program. Applied practices needed by agricultural education teachers.

***440 Communication Techniques in Agriculture (3)** Elements of effective use of mass media in agriculture. Effective newspaper and magazine writing techniques and electronic media writing and presentation for agricultural audiences.

Satisfies General Education Requirement: (WC)

Recommended Background: Two semesters of English composition.

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

441 Advanced Communication Techniques in Agriculture (3) Production of contemporary radio broadcasts; photojournalism concepts and production; and development of news and feature photo essays for agricultural audiences.

445 Seminar in Agricultural Communications (1) Analyzing contemporary issues in the field of agricultural communications.

Repeatability: May be repeated. Maximum 2 hours.

446 Internship in Agricultural Communications (3) Pre-approved supervised experience with agricultural firm or organization in the area of communications.

450 Agricultural Leadership Development (3) Identification of styles and roles of leadership; development of leadership techniques and skills required in working with organizations and youth groups; methods of resolving conflict, of communicating, of guiding and evaluating; and ethical considerations for leaders.

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

492 Internship in Agricultural Leadership, Education and Communications (1-6) Pre-approved off-campus supervised experience in county extension offices, agricultural businesses, or agricultural related agencies.

Repeatability: May be repeated. Maximum 6 hours.

493 Independent Study (6) Individualized study of a special project or problem in agricultural leadership, education and communications. Must be selected in consultation with the instructor.

Repeatability: May be repeated. Maximum 6 hours.

Equivalency Table

Current Courses	Equivalent Courses Fall 2010
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(042) (AGEE) Agricultural and Extension Education	(078) (ALEC) Agricultural Leadership, Education, and Communications
201	201
211	211
301	301
345	345
434	434
435	435
436	436
440	440
450	450
492	492
493	493
(042) (ANRL) Agricultural and Natural Resource Leadership	(078) (ALEC) Agricultural Leadership, Education and Communications
101	101
102	103
202	202
303	303
304	304
412	412
492	492

DEPARTMENT OF AGRICULTURAL ECONOMICS

DROP DEPARTMENT OF AGRICULTURAL ECONOMICS (DEPT NAME CHANGE)

ADD DEPARTMENT OF AGRICULTURAL AND RESOURCE ECONOMICS (DEPT NAME CHANGE)

Equivalency Table

Current Department	Equivalent Department Fall 2010
(049) (AECN) Agricultural Economics	(045) (AGRE) Agricultural and Resource Economics

(047) (AGEC) Agricultural Economics

ADD (RENUMBERED COURSE)

472 Natural Resource Economics (3) Economic analysis of natural resource use and conservation with emphasis on land, water and other renewable resources. Principles for benefit-cost analyses of natural resource projects and policies. Methods for valuation of non-market impacts associated with natural resource use. Sustainability as an economic concept.

(RE) Prerequisite(s): 320.

DROP (RENUMBERED COURSE)

AGEC 471 Applied Policy Analysis for Environmental and Natural Resource Management

Equivalency Table

(047) (AGEC) Agricultural Economics	(047) (AGEC) Agricultural Economics
471	472

REVISE TITLE, DESCRIPTION, AND (RE) PREREQUISITE

470 Policy Analysis for Environmental and Natural Resource Management (3) Application of a policy analysis framework to conflicts and issues associated with natural resource use and related environmental quality impacts. Design of institutional changes to improve economic efficiency and equity, with emphasis on the potential applicability of market-type and incentive-based policy mechanisms.

(RE) Prerequisite(s): 201 or Economics 201.

Formerly:

Natural Resource Economics (3) Economic analysis of natural resource use and conservation with emphasis on land, water and other renewable resources. Principles for benefit-cost analyses of natural resource projects and policies. Methods for valuation of non-market impacts associated with natural resource use. Tools for analysis of spatial-referenced data.

(RE) Prerequisite(s): Economics 201.

REVISE TITLE

110 Opportunities in Agricultural, Food and Resource Economics (1)

Formerly: Opportunities in Agricultural Economics and Business (1)

310 Career Planning and Placement (1)

Formerly: The Agricultural Employment Process (1)

342 Farm Business Management (3)

Formerly: Farm Business Management I (3)

REVISE TITLE AND (RE) PREREQUISITE

324 Quantitative Methods (3)

(RE) Prerequisite(s): 201 or Economics 201; Statistics 201.

Formerly:

Quantitative Methods in Agricultural Economics

(RE) Prerequisite(s): 320 and Statistics 201.

REVISE TITLE AND REGISTRATION RESTRICTION

410 Senior Seminar (1)

Registration Restriction(s): Food & Agricultural Business and Natural Resource & Environmental Economics majors.

Formerly:

Seminar in Agricultural Economics and Business

Registration Restriction(s): Agricultural economics and business major; minimum student level – senior.

REVISE TITLE, REVISE (RE) PREREQUISITE, AND DROP REGISTRATION RESTRICTION

320 Microeconomics of Agriculture, Food and Resources (3)

(RE) Prerequisite(s): 201 or Economics 201.

Formerly:

Agricultural Microeconomics

(RE) Prerequisite(s): Economics 201.

Registration Restriction(s): Junior standing.

REVISE (RE) PREREQUISITE

350 The Food and Agricultural Marketing System (3)

(RE) Prerequisite(s): 201 or Economics 201; 212.

Formerly: *(RE) Prerequisite(s): 212 and Economics 201.*

355 Agribusiness Marketing and Professional Selling (3)

(RE) Prerequisite(s): 201 or Economics 201.

Formerly: *(RE) Prerequisite(s): 212 and Economics 201.*

360 Rural Economic Development (3)

(RE) Prerequisite(s): 201 or Economics 201.

Formerly: *(RE) Prerequisite(s): Economics 201.*

444 Economics of Precision Farming Technologies (3)

(RE) Prerequisite(s): 201 or Economics 201; Agricultural and Natural Resources 290.

Formerly: *(RE) Prerequisite(s): Economics 201 and Agricultural and Natural Resources 290.*

DROP (DE) PREREQUISITE AND ADD (RE) PREREQUISITE

445 Economics of Biomass for Renewable Energy (3)

(RE) Prerequisite(s): 201 or Economics 201.

Formerly: *(DE) Prerequisite(s): Economics 201.*

DROP REGISTRATION RESTRICTION

315 Agricultural and Environmental Law (3)

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

492 Off-Campus Internship (1-3)

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

(880) (RUSO) Rural Sociology

DROP ACADEMIC DISCIPLINE AND COURSE

380 Rural Sociology (3)

DEPARTMENT OF ANIMAL SCIENCE

(113) (ANSC) Animal Science

ADD

361 Beef Cattle Merchandising (3) Integration of merchandising principles to target feeder cattle marketing strategies to type, goals and objectives of commercial beef cattle operations. Plan, conduct and evaluate purebred beef cattle production sales.

(RE) Prerequisite(s): 160; Agricultural Economics 201 or Economics 201.

Comment(s): Field trips required.

Registration Restriction(s): Junior standing.

REVISE TITLE

220 Animal Anatomy and Physiology (3)

Formerly: Anatomy and Physiology of Farm Animals (3)

***280 Animal Biotechnology and Management (3)**

Formerly: Biotechnology and Management Practices in Animal Production (3)

285 Equine Handling and Care (3)

Formerly: Horse Handling and Care (3)

340 Animal Breeding and Genetics (3)

Formerly: Principles of Animal Breeding (3)

348 Honors: Animal Breeding and Genetics (3)

Formerly: Honors: Principles of Animal Breeding (3)

***360 Equine and Food Animal Evaluation (3)**

Formerly: Horse, Dairy and Meat Animal Evaluation (3)

381 Animal Nutrition and Management Systems (3)

Formerly: Animal Nutrition and Production Systems (3)

395 Careers in Animal Agriculture (1)

Formerly: Careers Seminar (1)

420 Reproductive Technologies (3)

Formerly: Advanced Reproduction (3)

481 Beef Management (3)

Formerly: Beef Cattle Production and Management (3)

482 Dairy Management (3)

Formerly: Dairy Cattle Production and Management (3)

483 Swine Management (3)

Formerly: Pork Production and Management (3)

484 Poultry Management (3)

Formerly: Poultry Production and Management (3)

485 Equine Management (3)

Formerly: Horse Production and Management (3)

489 Companion and Exotic Animal Management (3)

Formerly: Companion, Zoo and Lab Animal Management (3)

492 Animal Science Internship (1-6)

Formerly: Animal Science Field Study (1-6)

REVISE TITLE AND (RE) PREREQUISITE, ADD RECOMMENDED BACKGROUND, AND DROP REG PERMISSION

†320 Reproductive Physiology and Lactation (3)

(Same as Biochemistry and Cellular and Molecular Biology 320.)

(RE) Prerequisites: 220 or BCMB 230 or consent of instructor.

Recommended Background: Introductory animal or human physiology course.

Formerly:

The Physiology of Reproduction and Lactation (3)

(RE) Prerequisites: Biology 130 or Biology 102.

328 Honors: Reproductive Physiology and Lactation (3)

(RE) Prerequisites: 220 or BCMB 230 or consent of instructor.

Recommended Background: Introductory animal or human physiology course.

Comment: Enriched version of ANSC 320.

Formerly:

Honors: The Physiology of Reproduction and Lactation (3)

(RE) Prerequisites: Biology 130 or Biology 102.

DEPARTMENT OF BIOSYSTEMS ENGINEERING AND SOIL SCIENCES**(194) (BSET) Biosystems Engineering Technology**

ADD

325 Soils in Construction (3) Introduction to the physical behavior of soils as a construction material; overview of geology and the formation of soil; index properties and engineering classification; mechanical properties of soils; compaction theory; excavation and OSHA requirements for trench safety; earthwork contract documents.

(RE) Prerequisite(s): Physics 221.

411 Construction Issues Seminar (1) Perspectives from industry professionals about current construction issues, procedures, and regulations. Presentations on current construction projects and employment opportunities.

Registration Restriction(s): Senior standing.

(345) (ESS) Environmental and Soil Sciences

REVISE DESCRIPTION

210 Introduction to Soil Science (4). Differences in soils; soil genesis; and the physical, chemical, and biological properties of soil. Relation of soil to agricultural and environmental sustainability, land use and pollution. Soil management relative to tillage, erosion, moisture supply, temperature, aeration, fertility, and plant nutrition.

Formerly: Differences in soils; soil genesis; and the physical, chemical, and biological properties of soil. Relation of soil to land use and pollution. Soil management relative to tillage, erosion, moisture supply, temperature, aeration, fertility, and plant nutrition.

***301 Professional Development (1).** Techniques of effective professional communications, professional ethics, interviewing, and the job search. Introduction of requirements for professional certification in various disciplines.

Formerly: Techniques of effective professional communications, professional ethics, interviewing, and the job search.

324 Soil and Water Conservation (3). Investigation of hydrologic principles regarding soil and water conservation and sustainability. Topics include — hydrologic cycle, water quality, soil properties, erosion prediction and control, and techniques to protect natural resources.

Formerly: Investigation of hydrologic principles regarding soil and water conservation. Topics include — hydrologic cycle, water quality, soil properties, erosion prediction and control, and techniques to protect natural resources.

454 Environmental Soil Biology (3). Biology and biochemistry of the soil environment as they apply to environmental and agricultural processes and sustainability. Topics include the soil habitat, microbial ecology and diversity, biogeochemical cycling of nutrients, biodegradation, and research methodology to investigate soil microorganisms.

Formerly: Biology and biochemistry of the soil environment as they apply to environmental and agricultural processes. Topics include the soil habitat, microbial ecology and diversity, biogeochemical cycling of nutrients, biodegradation, and research methodology to investigate soil microorganisms.

462 Environmental Climatology (3). Study of global energy budget, past climates, climate variability, climate distribution, and climate change. Emphasis on global warming and its potential impacts on ecosystems, societies, and global sustainability. Students are required to use quantitative, computer, and problem-solving skills to analyze and report climate data for environmental planning.

Formerly: Study of global energy budget, past climates, climate variability, climate distribution, and climate change. Emphasis on global warming and its potential impacts on weather, ecosystems and societies. Students are required to use quantitative, computer, and problem-solving skills to analyze and report climate data for environmental planning.

DEPARTMENT OF ENTOMOLOGY AND PLANT PATHOLOGY

(341) (EPP) Entomology and Plant Pathology

ADD

491 Measuring Genetic Variation (3) An overview of tools and applications for discovering and utilizing genetic variation. Topics will range from microbes to humans. The course will include lectures, assigned reading and discussion, and laboratory demonstrations.

Registration Restriction(s): Junior standing.

DROP CONTACT HOUR DISTRIBUTION

313 Plant Pathology (3)

Formerly: Contact Hour Distribution: 2 hours and 1 lab.

DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

(390) (FDST) Food Science and Technology

DROP REPEATABILITY

FDST 401 - Professional Food Science Communication (1)

Formerly: Repeatability: May be repeated. Maximum 3 hours.

REVISE (RE) PREREQUISITE

FDST 445 - Applied Food Science (3)

(RE) Prerequisite: 101 or 241 or consent of instructor.

Formerly: (RE) Prerequisites: 241 and 410.

DROP RECOMMENDED BACKGROUND

FDST 241 - Food Preservation and Packaging (3)

Formerly: Recommended Background: Microbiology 210.

DEPARTMENT OF FORESTRY, WILDLIFE AND FISHERIES

(398) (FWF) Forestry, Wildlife and Fisheries

REVISE (RE) PREREQUISITE

317 Principles of Wildlife and Fisheries Management (3)

(RE) Prerequisite(s): Biology 101-102 or Biology 111-112 or Biology 130-140.

Formerly: (RE) Prerequisite(s): Chemistry 100 or 120.

(993) (WFS) Wildlife and Fisheries Science

ADD (RE) PREREQUISITE AND COMMENT

301 Ecology and Management of Wildlife Health (3)(RE) Prerequisite(s): *WFS 101*.*Comment(s): Prior coursework in animal science, biology, or chemistry may satisfy prerequisite with consent of instructor.***DEPARTMENT OF PLANT SCIENCES****(791) (PLSC) Plant Sciences**

ADD

233 History and Impact of Turfgrasses (3) Investigation of the history and impact of the development and management of turfgrasses on society. Historical development of golf courses, suburban lawns, athletic fields, parks, and other turf areas and future trends in turfgrass management.

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.

(RE) Prerequisite(s): *Entomology and Plant Pathology 313*.

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

ADD (RENUMBERED COURSES)

452 Plant Biotechnology, Genetics and Breeding (3) General principles and techniques used in plant modification. Principles of molecular and transmission genetics as applied to plant biotechnology and plant improvement.

Credit Restriction: Students may not receive credit for both 452 and 552.(RE) Prerequisite(s): *Biology 111 and Biology 112 or consent of instructor.*

462 Professional Development in the Turfgrass Industry (1-2) Exposure to career development opportunities in turfgrass science and management.

Repeatability: May be repeated. Maximum 5 hours.(RE) Prerequisite(s): *Plant Sciences 240*.

DROP (RENUMBERED COURSES)

353 Plant Biotechnology, Genetics and Breeding (3)**449 Advanced Turf Practicum (1-3)**

Equivalency Table

Current Courses (791) (PLSC) Plant Sciences	Equivalent Courses Fall 2010 (791) (PLSC) Plant Sciences
353	452
449	462

DROP

***448 Horticultural Internet Communication (3)**

REVISE (RE) PREREQUISITE

PLSC 210 Horticulture: Principles and Practices (3)(RE) Prerequisite(s): *Biology 111 -112 or consent of instructor.*Formerly: (RE) Prerequisite(s): *Biology 111 and Biology 112*.**PLSC 370 Grounds Maintenance (3)**(RE) Prerequisite(s): *210 or consent of instructor.*Formerly: (RE) Prerequisite(s): *210*.**PLSC 457 Weed Management (3)**(RE) Prerequisite(s): *Environmental and Soil Science 210 or consent of instructor.*Formerly: (RE) Prerequisite(s): *Environmental and Soil Science 210*.**PLSC 465 Biofuel Crop Ecology (2)**(RE) Prerequisite(s): *Biology 112 or consent of instructor.*Formerly: (RE) Prerequisite(s): *Biology 112*.

REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE, AND ADD RECOMMENDED BACKGROUND

***PLSC 410 Nursery Management and Production (3)**

(RE) Prerequisite(s): 210.

Recommended Background: Working knowledge and familiarity with regionally adapted ornamental plant varieties.

Formerly:

(RE) Prerequisite(s): 330 and Environmental and soil Science 210.

(DE) Prerequisite(s) 220.

DROP (DE) PREREQUISITE AND ADD RECOMMENDED BACKGROUND

PLSC 421 Native Plants in the Landscape (3)

(RE) Prerequisite(s): 220 or Ecology and Evolutionary Biology 330.

Recommended background: Coursework or familiarity with general principles and practices in horticulture.

Formerly:

(RE) Prerequisite(s): 220 or Ecology and Evolutionary Biology 330

(DE) Prerequisite(s): 210

PLSC 435 Field and Forage Crops (3)

Recommended Background: Coursework in general agronomics or crop production.

Formerly: (DE) Prerequisite(s) 250.

ADD (RE) PREREQUISITE AND DROP (RE) COREQUISITE

PLSC 360 Practicum in Landscape Construction (3)

(RE) Prerequisite(s) 350.

Formerly: (RE) Corequisite(s) 350.

REVISE (RE) PREREQUISITE AND DROP (DE) PREREQUISITE

PLSC 330 Plant Propagation (3)

(RE) Prerequisite(s): 210.

Formerly:

(RE) Prerequisite(s): 210 and Biology 112.

(DE) Prerequisite(s): Biology 111.

PLSC 434 Fruit and Vegetable Crops (3)

(RE) Prerequisites(s): 210.

Formerly:

(RE) Prerequisite(s): 210 and Biology 112.

(DE) Prerequisite(s): Biology 111.

DROP COMMENT

PLSC 230 Interior Landscaping (3)

Formerly: Comment(s): Students in turfgrass science and management concentration must also register for 241.

REVISE DESCRIPTION, ADD REGISTRATION PERMISSION, AND ADD COMMENT

429 Field Study of Public Horticulture Institutions (2) Extended 10-12 day field study of various public horticulture institutions such as botanical gardens, arboreta, historical grounds, zoos, conservatories, cemeteries, and nature preserves.

Comment: Offered only during mini-term; application and student course fee required (additional fees may apply depending upon horticultural sites visited).

Registration Permission: Consent of Instructor.

Formerly: Extended 10-12 day field study of various public horticulture institutions such as botanical gardens, arboreta, historical grounds, zoos, conservatories, cemeteries, and nature preserves. Application and travel fee required.

(DE) Prerequisite(s): 226.

DROP REGISTRATION RESTRICTION

PLSC 470 Professional Practices for the Green Industry (3)

Formerly: Registration Restriction(s): Minimum student level — senior.

II. PROGRAM CHANGES

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

- Revise 1st bullet:
Agricultural leadership, education and communications with concentrations in agricultural science, agricultural leadership, agricultural education, agricultural extension education, and agricultural communications (Agricultural Leadership, Education and Communications Program).
Formerly: Agriculture and natural resource leadership, education and communications with concentrations in agricultural science, agricultural leadership, agricultural education and agricultural extension education (interdepartmental unit).
- Revise 4th bullet:
Environmental and soil sciences with concentrations in, environmental science, soil science, agricultural systems technology, construction technology, land surveying technology, and off-road vehicle technology (Department of Biosystems Engineering and Soil Science).
Formerly: Environmental and soil sciences with concentrations in agricultural systems technology, environmental science, and soil science (Department of Biosystems Engineering and Soil Science).
- Revise 5th bullet:
Food and agricultural business with a concentration in agricultural equipment systems management (Department of Agricultural and Resource Economics).
Formerly: Food and agricultural business with a concentration in agricultural equipment systems management (Department of Agricultural Economics).
- Revise 8th bullet:
Natural resource and environmental economics (Department of Agricultural and Resource Economics).
Formerly: Natural resource and environmental economics (Department of Agricultural Economics).

REVISE COLLEGE TEXT (MINORS AND DEPARTMENTS HEADING)

- Add new bullet for "Agricultural Leadership (Agricultural Leadership, Education and Communications Program)"
- Move "International Agriculture and Natural Resources (Office of the Dean)" to the end of the bulleted list
- Revise Food and agricultural business (Department of Agricultural Economics) to Food and agricultural business (Department of Agricultural and Resource Economics)

REVISE COLLEGE TEXT (ACADEMIC PROGRAMS HEADING)

- Revise Agricultural Economics heading to Agricultural and Resource Economics
- Add heading for Agricultural Leadership, Education, and Communications
- Move faculty from Agriculture and Natural Resources (Interdepartmental) to Agricultural Leadership, Education, and Communications

AGRICULTURAL LEADERSHIP, EDUCATION AND COMMUNICATIONS PROGRAM

REVISE DEPARTMENTAL TEXT

- The Agricultural Leadership, Education and Communications major is designed for students who want a broad, general background in agriculture and wish to develop their leadership and communication skills to pursue careers in business and industry, agricultural education, agricultural extension education and agricultural communications. The agricultural science concentration is designed for students who want a broad, general background in agriculture and natural resources. The agricultural leadership concentration is designed for students who want to develop their leadership skills and pursue careers in government, youth organizations, business/industry, international environments and leadership positions within the community. The agricultural education concentration leads to teacher licensure in agricultural sciences in the State of Tennessee. The agricultural extension concentration is designed for those interested in agricultural extension careers. The agricultural communications concentration is designed for those students wanting a background in agriculture while pursuing communication careers in areas such as journalism, electronic media, marketing/management, and broadcasting.
Formerly: Agriculture and Natural Resources is an interdepartmental unit that offers a major in agriculture and natural resource leadership, education and communications with concentrations in agricultural science, agricultural leadership, agricultural education and agricultural extension education. The major is designed for students who want a broad, general background in agriculture and natural resources and wish to develop their leadership and communication skills to pursue careers in the area of leadership in business and industry, agricultural education, agricultural extension and agricultural communications. The agricultural science concentration is designed for students who want a broad, general background in agriculture and natural resources. The agricultural leadership concentration is designed for students who want to develop their leadership skills and pursue careers in government, youth organizations, trade and breed associations, business/industry, international environments and leadership positions within the community. The agricultural education concentration leads to teacher licensure in agricultural sciences in the State of Tennessee. The agricultural

extension concentration is designed for those interested in agricultural extension careers. This major is also designed for students who want an individualized plan of study. Students involved in the agricultural science and agricultural leadership concentrations will also select a minor to accommodate their course of study. Students in the agricultural education and agricultural extension education concentrations or one of the minors offered by the College of Communication and Information should follow the appropriate concentration and work with faculty in agricultural and extension education housed in Morgan Hall. Students who are undecided as to their studies in agriculture and natural resources are advised to follow the agricultural science concentration and explore the different majors available in the college. They should work with their assigned advisor to eventually choose one of the minors offered by CASNR, the College of Communication and Information, or submit an individualized plan of study before the third year, for approval by the advisor and the Office of the Dean.

- ◆ DROP AGRICULTURE & NATURAL RESOURCE LEADERSHIP, EDUC & COMM MAJOR, 4 CONCENTRATIONS
 - AGRICULTURAL EDUCATION
 - AGRICULTURAL EXTENSION EDUCATION
 - AGRICULTURAL LEADERSHIP
 - AGRICULTURAL SCIENCE

- ◆ ADD AGRICULTURAL LEADERSHIP, EDUCATION & COMMUNICATIONS MAJOR, 5 CONCENTRATIONS
 - AGRICULTURAL COMMUNICATIONS
 - AGRICULTURAL EDUCATION
 - AGRICULTURAL EXTENSION EDUCATION
 - AGRICULTURAL LEADERSHIP
 - AGRICULTURAL SCIENCE

- ◆ ADD AGR LEADER, EDUC, COMM MAJOR, AGRICULTURAL COMMUNICATIONS CONCENTRATION
Advisor-Stephens

First Year	Hours Credit
AGNR 100 or ALEC 101	1
Agriculture and Natural Resources 290	3
¹ Chemistry 100*, 110* or 120*, 130*	8
Communication and Information Technology 150	3
English 101*, 102*	6
Journalism and Electronic Media 175	3
Mathematics 113* and Quantitative Reasoning Course*	6
Plant Sciences Elective (any PLSC course)	3
 Second Year	
Accounting 200	3
Advertising 250	3
² Agricultural Economics 201* or Economics 201*	4
Agricultural Leadership, Education and Communications 211	3
Agricultural Leadership, Education and Communications 240*	3
¹ Biology 101*,102* or 130*, 140* (w/lab)	8
Agricultural Economics 212	3
Journalism and Electronic Media 200	3
Food Science and Technology Elective (any FDST course)	3
 Third Year	
Agricultural Leadership, Education and Communications 340	3
Agricultural Leadership, Education and Communications 445	1
³ Arts and Humanities Elective*	3
³ Cultures and Civilizations Elective*	3
Forestry, Wildlife and Fisheries Elective (any FORS, FWF, or WFS course)	3
Journalism and Electronic Media 400	3
Journalism and Electronic Media 412 or 451 or 456	3
Agricultural Economics Electives (any AGECE courses)	6
Plant Science Elective (any PLSC course)	3
 Fourth Year	
Agricultural Leadership, Education and Communications 440*	3
Agricultural Leadership, Education and Communications 441	3
Agricultural Leadership, Education and Communications 446	6

³ Arts and Humanities Elective*	3
⁴ Elective	3
Environmental and Soil Science 120* or 220*	3
Journalism and Electronic Media 466	3
^{2,3} Social Science Elective	3

Total 121

* Meets University General Education Requirement.

¹ Chemistry 130 is a prerequisite/corequisite to Biology 140. Therefore, a student selects Chemistry 120-130 and Biology 130-140; otherwise the student must elect Chemistry 100-110 and Biology 101-102.

² Agricultural Economics 201(4) or Economics 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 Science requirement. In these cases, the student should take two courses from the Social Sciences list.

³ Choose from the University General Education lists.

⁴ Any course not already required for the major.

◆ ADD AGR LEADER, EDUC, COMM MAJOR, AGRICULTURAL EDUCATION CONCENTRATION

Advisor-Stephens

First Year	Hours Credit
AGNR 100 or ALEC 101	1
Agricultural Leadership, Education and Communications 102	3
Agriculture and Natural Resources 290	3
¹ Biology 101*, 102* or 130*, 140*	8
² Agricultural Economics 201* or Economics 201*	4
English 101*, 102*	6
Environmental and Soil Sciences 120* or 220*	3
Mathematics 113* and 115*	6
Second Year	
Agricultural Leadership, Education and Communications 211	3
Agricultural Leadership, Education and Communications 201	1
Agricultural Leadership, Education and Communications 202	3
Agricultural Economics 212	3
Animal Science 220	3
³ Arts and Humanities Elective*	3
¹ Chemistry 100*, 110* or 120*, 130*	8
Environmental and Soil Sciences 210	4
Plant Sciences 230 and 290 or 291	6
Third Year	
Agricultural Leadership, Education and Communications 240* and 345	6
Biosystems Engineering Technology 202 and 452	6
Educational Psychology 401	3
Entomology and Plant Pathology 313 or 321	3
Forestry, Wildlife and Fisheries 212 or 317	3
Plant Sciences 250	3
Psychology 110*	3
Special Education 402	3
³ Cultures and Civilizations Elective*	3
Fourth Year	
Agricultural Leadership, Education and Communications 435 and 436	12
Agricultural Leadership, Education and Communications 440*	3
Agricultural Leadership, Education and Communications 434	3
Animal Science 381	6
³ Arts and Humanities Elective*	3

Total 125

* Meets University General Education Requirement

¹ Chemistry 130 is a prerequisite/corequisite to Biology 140, therefore a student selects Chemistry 120-130 and Biology 130-140; otherwise, the student must elect Chemistry 100-110 and Biology 101-102. Biology 111-112 has no chemistry prerequisite.

² Agricultural Economics 201(4) or Economics 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 Science requirement. In these cases, the student should take two courses from the Social Sciences list.

³ Choose from the University General Education lists.

◆ ADD AGR LEADER, EDUC, COMM MAJOR, AGRICULTURAL EXTENSION EDUCATION CONCENTRATION

Advisor-Waters

First Year	Hours Credit
Agricultural Leadership, Education and Communications 211	3
Agriculture and Natural Resources 100	1
Agriculture and Natural Resources 290	3
Animal Science 280	3
¹ Biology 101*, 102* or 130*, 140*	8
English 101*, 102*	6
Environmental and Soil Sciences 120* or 220*	3
Mathematics 113* and second Quantitative Reasoning course*	6
 Second Year	
Agricultural Leadership, Education and Communications 201 and 240*	4
Agricultural Economics 212	3
Animal Science 220	3
¹ Chemistry 100*, 110* or 120*, 130*	8
² Agricultural Economics 201* or Economics 201*	4
Environmental and Soil Sciences 210	4
Plant Sciences 115	3
Psychology 110*	3
 Third Year	
Agricultural Leadership, Education and Communications 345	3
Agricultural Economics 342	3
Animal Science 330	3
Entomology and Plant Pathology 313 or 321	3
Environmental and Soil Sciences 344	3
Food Science and Technology 269	3
Forestry, Wildlife and Fisheries 250	3
Plant Sciences 250	3
² Cultures and Civilizations Elective*	3
^{3,4} Art and Humanities Elective*	3
 Fourth Year	
Agricultural Leadership, Education and Communications 434	3
⁴ Agricultural Sciences and Natural Resources Elective	3
Animal Science 381	3
Biosystems Engineering Technology 432, 442, and 462	9
Plant Sciences 330 or 430	2-3
^{3,4} Arts and Humanities Elective*	3
⁴ Free Electives	4-5
Total 124	

* Meets University General Education Requirement.

¹ Chemistry 130 is a prerequisite/corequisite to Biology 140, therefore a student selects Chemistry 120-130 and Biology 130-140; otherwise the student must elect Chemistry 100-110 and Biology 101-102. Biology 111-112 has no Chemistry prerequisite.

² Agricultural Economics 201(4) or Economics 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 Science requirement. In these cases, the student should take two courses from the Social Sciences list.

³ Choose from the University General Education lists.

⁴ One of the University General Education Electives, Agricultural Sciences and Natural Resources Electives or Free Electives must be a Writing Intensive (WC) course. Agricultural Sciences and Natural Resources Electives may be selected from any courses in the college that are not already required for the major. Free electives may be selected from any courses not already required for the major.

◆ ADD AGR LEADER, EDUC, COMM MAJOR, AGRICULTURAL LEADERSHIP CONCENTRATION

Advisors-Stephens , Patterson

First Year	Hours Credit
AGNR 100 or ALEC 101	1
Agricultural Leadership, Education and Communications 102	3
Agricultural Leadership, Education and Communications 103	3
Agricultural Economics Elective (any AGECE course)	3
Agriculture and Natural Resources 290	3
¹ Biology 101*-102* or 111*-112* or 130*-140*	8
English 101*, 102*	6
Mathematics 113* and Quantitative Reasoning Course*	6
Second Year	
Agricultural Leadership, Education and Communications 202	3
Agricultural Leadership, Education and Communications 211	3
Animal Science Elective (any ANSC course)	3
¹ Chemistry 100*-110* or 120*-130*	8
Agricultural Leadership, Education and Communications 240*	3
² Agricultural Economics 201 or Economics 201*	4
Environmental and Soil Science Elective (any ESS course)	4
Food Science and Technology Elective (any FDST course)	3
Third Year	
Agricultural Leadership, Education and Communications 303, 304	6
Agricultural Leadership, Education and Communications 440*	3
Entomology and Plant Pathology 313 or 321	3
^{3,4} Cultures and Civilizations Elective*	3
^{3,4} Arts and Humanities Elective*	3
Plant Science Elective (any PLSC course)	3
Philosophy 245*	3
Animal Science 495	3
Fourth Year	
Agricultural Leadership, Education and Communications 412	1
Agricultural Leadership, Education and Communications 492	6
Agricultural Leadership, Education and Communications 450	3
Biosystems Engineering and Technology Elective (any BSET course)	3
³ Cultures and Civilizations Elective*	3
^{2,3} Social Sciences Elective*	3
⁴ Free Electives	10
Total 120	

* Meets University General Education Requirement.

¹ Chemistry 130 is a prerequisite/corequisite to Biology 140, therefore a student selects Chemistry 120-130 and Biology 130-140; otherwise, the student must elect Chemistry 100-110 and Biology 101-102.

² Agricultural Economics 201(4) or Economics 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 Science requirement. In these cases, the student should take two courses from the Social Sciences list.

³ Choose from the University General Education lists.

⁴ One of the University General Education Electives or Free Electives must be a Writing Intensive (WC) course. Free electives may be selected from any courses not already required for the major.

◆ ADD AGR LEADER, EDUC, COMM MAJOR, AGRICULTURAL SCIENCE CONCENTRATION

Advisor-Stephens

First Year	Hours Credit
Agriculture and Natural Resources 100	1
Agriculture and Natural Resources 290	3
Animal Science 160	3
¹ Chemistry 100*, 110* or 120*, 130*	8
English 101*, 102*	6
Mathematics 113* and Quantitative Reasoning Course*	6
Plant Sciences 115	3
 Second Year	
Agricultural Leadership, Education and Communications 211	3
Agricultural Economics 212	3
Food Science and Technology 101	3
¹ Biology 130*, 140* or 101*, 102*	8
Environmental and Soil Sciences 210	4
Plant Sciences 250	3
² Agricultural Economics 201* or Economics 201*	4
Agricultural Leadership, Education and Communications 240*	3
 Third Year	
Agricultural Economics 342	3
Entomology and Plant Pathology 313 or 321	3
^{3,4} Cultures and Civilizations Elective*	3
^{3,4} Arts and Humanities Elective*	3
Plant Sciences 330 or 430	2-3
⁵ Minor	15
 Fourth Year	
⁵ Minor	9
⁴ Agricultural Sciences and Natural Resources Electives.....	9
^{3,4} Arts and Humanities Elective*	3
^{3,4} Cultures and Civilizations Elective*	3
^{2,3,4} Social Sciences Elective*	3-6
⁴ Free Electives.....	2-5
Total 124	

* Meets University General Education Requirement.

¹ Chemistry 130 is a prerequisite/corequisite to Biology 140, therefore a student selects Chemistry 120-130 and Biology 130-140; otherwise the student must elect Chemistry 100-110 and Biology 101-102.

² Agricultural Economics 201(4) or Economics 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 Science requirement. In these cases, the student should take two courses from the Social Sciences list.

³ Choose from the University General Education lists.

⁴ One of the University General Education Electives, Agricultural Sciences and Natural Resources Electives, Free Electives or a course taken as part of one of the minors must be a Communicating through Writing (WC) course. Agricultural Sciences and Natural Resources Electives may be selected from any courses in the college that are not already required for the major. Free electives may be selected from any courses not already required for the major.

⁵ Students should select one of the minors offered by the College of Agricultural Sciences and Natural Resources: food and agricultural business, animal science, biosystems engineering technology, entomology and plant pathology, environmental and soil sciences, food science, food technology, forestry, international agriculture and natural resources, leadership, plant sciences, wildlife and fisheries science, 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 free electives.

◆ ADD MINOR IN AGRICULTURAL LEADERSHIP

Requirements for Agricultural Leadership Minor

Hours Credit

Agricultural Leadership, Education and Communications 1023
 Agricultural Leadership, Education and Communications 103 or 2023
 Agricultural Leadership, Education and Communications 3033
 Agricultural Leadership, Education and Communications 3043
 Agricultural Leadership, Education and Communications 4503

Total Credit Hours for Minor 15

DEPARTMENT OF AGRICULTURAL ECONOMICS

◆ ADD BACHELOR OF SCIENCE IN AGRICULTURAL AND RESOURCE ECONOMICS DEGREE

◆ DROP:

- FOOD & AGRICULTURAL BUSINESS MAJOR (BS IN AGRICULTURE)
- FOOD & AGRICULTURAL BUS MAJOR, AGR EQUIP SYST MGT CONC (BS IN AGRICULTURE)
- NATURAL RESOURCE & ENVIRONMENTAL ECONOMICS MAJOR (BS IN AGRICULTURE)

◆ ADD:

- FOOD & AGRICULTURAL BUSINESS MAJOR (BS IN AGRICULTURAL & RESOURCE ECONOMICS)
- FOOD & AGR BUS MAJOR, AGR EQUIP SYST MGT CONC (BS IN AGRICULTURAL & RESOURCE ECON)
- NATURAL RESOURCE & ENVIR ECONOMICS MAJOR (BS IN AGRICULTURAL & RESOURCE ECON)

REVISE FOOD & AGRICULTURAL BUSINESS MAJOR

- Replace Economics 201 with Agricultural Economics 201
- Remove JREM 201 as a course option in third year

REVISE FOOD & AGRICULTURAL BUSINESS MAJOR, AGR EQUIPMENT SYSTEM MGT CONCENTRATION

- Replace Economics 201 with Agricultural Economics 201
- Remove JREM 201 as a course option in third year

REVISE FOOD & AGRICULTURAL BUSINESS MINOR

- Replace Economics 201 with Agricultural Economics 201

REVISE NATURAL RESOURCE AND ENVIRONMENTAL ECONOMICS MAJOR

Second Year

Agricultural Economics 201 4
 Formerly: Economics 2014

Fourth Year

Agricultural Economics 410, 470, 472 7
 Formerly: Agricultural Economics 410, 470, 4717

ALEC 440 or ENGL 360..... 3
 Formerly: AGEE 440 or ENGL 360 or JREM 2013

Economics 361 or 371, or Geography 340 or 345 or 436, or Sociology 360..... 3
 Formerly: Economics 361 or 371, or Geography 340 or 436, or Sociology 360 3

DEPARTMENT OF ANIMAL SCIENCE

REVISE ANIMAL SCIENCE MAJOR, ALL CONCENTRATIONS

- Replace Economics 201 with Agricultural Economics 201 or Economics 201.

DEPARTMENT OF BIOSYSTEMS ENGINEERING AND SOIL SCIENCE

REVISE DEPARTMENTAL TEXT

The Department of Biosystems Engineering and Soil Science offers two undergraduate degree programs – Bachelor of Science in Biosystems Engineering and Bachelor of Science in Environmental and Soil Sciences. Biosystems engineering is a four-year, ABET-accredited engineering program emphasizing engineering applications to biological systems. Environmental and soil sciences is a strong science-based program for students interested in environmental science, soil science, or engineering technology. Engineering technology concentrations include agricultural systems technology, construction technology, land surveying technology, and off-road vehicle technology. Students in the land surveying technology concentration are eligible to sit for the Tennessee Professional Land Surveyor-In-Training exam (see <http://biosystems.utk.edu/surveying> for more details). Minors in either environmental and soil sciences or in biosystems engineering technology are also available. More detailed descriptions of each program are included with the curricular material that follows.

Formerly: The Department of Biosystems Engineering and Soil Science offers two undergraduate degree programs – Bachelor of Science in Biosystems Engineering and Bachelor of Science in Environmental and Soil Sciences. Biosystems engineering is a four-year, ABET accredited engineering program emphasizing engineering applications to biological systems. Environmental and soil sciences is a strong science-based program for students interested in environmental science, soil science, and agricultural systems technology. Students in the agricultural systems technology concentration who follow a specific list of pre-approved classes are eligible to sit for the Tennessee Professional Land Surveyor-In-Training exam. Please see <http://biosystems.utk.edu/surveying> for more details. Minors in either environmental and soil sciences or in biosystems engineering technology are also available. More detailed descriptions of each program are included with the curricular material that follows.

REVISE BIOSYSTEMS ENGINEERING MAJOR, ALL CONCENTRATIONS

- Replace Economics 201 with Agricultural Economics 201 or Economics 201.

REVISE BIOSYSTEMS ENGINEERING TECHNOLOGY MINOR

- Revise introductory text to:
No baccalaureate degree program is offered in biosystems engineering technology; however, undergraduate courses are offered to prepare students in other disciplines to apply elementary principles, techniques, and systems of engineering to the broad industry of agriculture. With proper selection, the Biosystems Engineering Technology Minor will result in the student taking the pre-approved courses required for taking the Tennessee Professional Land Surveyor-In-Training Exam (see <http://bioengr.ag.utk.edu/surveying>).

Formerly: No baccalaureate degree program is offered in biosystems engineering technology; however, undergraduate courses are offered to prepare students in other disciplines to apply elementary principles, techniques, and systems of engineering to the broad industry of agriculture.

REVISE ENVIRONMENTAL AND SOIL SCIENCES PROGRAM TEXT (BEFORE EACH CONCENTRATION)

Many human activities adversely impact soil, water, and environmental quality, and there is a constant need for experts in the technologies required to collect sound information and to provide food, fiber, and shelter in an environmentally-sound manner. The Bachelor of Science in Environmental and Soil Sciences provides students with a strong grounding in basic sciences or engineering technology to prepare them for a broad range of possible careers. Students in this program choose between two general thrusts: Science, and Engineering Technology

The science thrust provides options for two concentrations, Soil Science and Environmental Science. Both of these provide a very strong basis in the natural sciences, as well as applied areas such as ecology, soil sciences, and natural resource policy. Students also build expertise with modern technologies such as geographical information systems, global positioning systems, and computer applications in natural resource management. Graduates are prepared to work in a wide variety of interesting and challenging career paths and to work with a broad variety of other professionals to solve complex problems. Examples of potential careers include soil and environmental specialists and scientists; state and federal regulatory agency work; private consulting in environmental and agricultural areas; and working with non-governmental organizations with interests in agriculture, environment, and natural resources. Students receiving this degree are also very competitive for placement in graduate programs in environmental and agricultural sciences and technology, as well as law school.

The engineering technology thrust has four concentration options: Agricultural Systems Technology, Construction Technology, Land Surveying Technology, and Off-Road Vehicle Technology. These engineering technology concentrations are applied programs highly focused on specific technical areas, and are designed to provide the skills required to manage sophisticated the technological systems increasingly essential in today's world. The four concentrations all provide a strong basic science foundation, and add coursework designed to create programs of study emphasizing the application of technology in today's world. Coursework in economics and the management of a small business are also included, along with oral and written communication. The construction technology concentration leads to a Minor in Business Administration. While these programs provide a rigorous background in math and science, and include courses in engineering, they differ from programs offered in the College of Engineering and College of Agricultural

Sciences and Natural Resources (Biosystems Engineering) leading to B.S. in Engineering, and ultimately to registration as a Professional Engineer. The engineering technology concentrations are much less theoretical, more applied, and more focused towards specific industries.

Formerly: Many human activities adversely impact soil, water, and environmental quality. The Bachelor of Science in Environmental and Soil Sciences provides students with a strong grounding in basic sciences and technology to prepare them for careers in environmental and natural resource management. Students in this program study basic natural sciences as well as applied areas such as ecology, soil sciences, and natural resource policy. Students also build expertise with modern technologies such as geographical information systems, global positioning systems, and computer applications in natural resource management. Graduates are prepared to work in a wide variety of interesting and challenging career paths and to work with a broad variety of other professionals to solve complex problems. Examples of potential careers include soil and environmental specialists and scientists; state and federal regulatory agency work; private consulting in environmental and agricultural areas; and working with non-governmental organizations with interests in agriculture, environment, and natural resources. Students receiving this degree are also very competitive for placement in graduate programs in environmental and agricultural sciences and technology, as well as law school. The core program provides a strong grounding in the sciences and technology, while concentrations permit a focus on either science or technology. The three concentrations in this program are soil science, environmental science, and agricultural systems technology.

REVISE ENVIRONMENTAL AND SOIL SCIENCES MAJOR, AGRICULTURAL SYSTEMS TECH CONCENTRATION

- Revise concentration text to:
Agricultural Systems Technology is designed to provide you the skills required to manage the sophisticated technological systems that are increasingly essential to modern agricultural production. The program starts with a basic science foundation, adds courses in crop production, pest control, and protection of soil and water resources, then introduces the technologies and control systems available to make production more efficient and environmentally sound. It rounds out the curriculum with analysis and management courses to tie all the information together and to most effectively use it in making and carrying out management decisions. Directed technical electives allow the student to concentrate in a particular area of agricultural production or to develop increased skills with particular technologies or management tools.

Formerly: The agricultural systems technology concentration emphasizes the skills needed to manage the sophisticated technological systems that are increasingly essential to modern agricultural production. The program starts with a basic science foundation, adds courses in crop production, pest control, and protection of soil and water resources, then introduces the technologies and control systems available to make production more efficient and environmentally sound. It rounds out the curriculum with analysis and management courses to tie all the information together and to most effectively use it in making and carrying out management decisions. Directed technical electives allow the student to concentrate in a particular area of agricultural production or to develop increased skills with particular technologies or management tools. Students from this program will have the skills and understanding to be successful in agribusiness, agricultural consulting, or employment with agricultural equipment and material suppliers. This degree program has pre-approved educational courses for Tennessee Professional Land Surveyor-In-Training application. For more information, visit <http://bioenr.ag.utk.edu/surveying>.

- Replace Economics 201 with Agricultural Economics 201 or Economics 201.

◆ ADD ENVIRONMENTAL AND SOIL SCIENCES MAJOR, CONSTRUCTION TECHNOLOGY CONCENTRATION:

The Construction Technology concentration is designed to prepare you for entry into the very broad and diverse range of careers related to construction. This could lead to construction management opportunities in areas such as residential, agricultural, commercial, paving, and excavation construction. Students in this program typically enjoy the outdoors, and enjoy the sense of accomplishment quickly realized by seeing a project grow from an idea to finished product. This field relies on knowledge from engineering, construction, and business; skills related to teamwork and leadership are important as well. The program is designed to provide you a strong background in science and math, with exposure to relevant technologies such as CAD, GPS/GIS, sensors, and electronic information transfer. In addition, the added emphasis on business related coursework in the Construction Technology track leads to a Minor in Business Administration.

First Year	Hours	Credit
Chemistry 120*, 130*	8	
English 101*, 102*	6	
Geology 101*, 102*	8	
¹ Math 151*, 152*	6	
² Social Science Elective*	3	
Second Year		
³ Accounting 200	3	
Agriculture and Natural Resources 290	3	
² Arts and Humanities Elective*	3	
² Cultures and Civilizations Elective*	3	
³ Economics 201*	4	

English 295*(WC) or 360*(WC)	3
Environmental and Soil Sciences 210	4
Physics 221*	4
Communications Studies 210*(OC) or 240*(OC)	3
³ Statistics 201*	3

Third Year

Biosystems Engineering Technology 325, 326, 412, 414	12
³ Business Administration 201	4
Business Law 301	3
² Cultures and Civilizations Elective*	3
Civil Engineering 442	3
Environmental and Soil Science 324	3
³ Management 300	3

Fourth Year

² Arts and Humanities Elective*	3
Biosystems Engineering 404	3
Biosystems Engineering Technology 411, 432, 434	7
Civil Engineering 543	3
³ Finance 300	3
³ Marketing 300	3
⁴ Technical Electives	6

Total 123

* Meets University General Education requirement

¹ Or Mathematics 141*, 142* (or honors equivalent) for students interested in possibly shifting to an engineering major.² Choose from the corresponding University General Education list after consultation with advisor. This concentration specifically recommends Spanish 211, 212 for the Cultures and Civilizations electives.³ Meets requirement for Minor in Business Administration.⁴ Choose from the following list or from alternatives after consultation with advisor. Note that some electives have required prerequisites. See individual course descriptions in the catalog for specific information. Biosystems Engineering Technology 202, 474; Safety 443, 452; Environmental and Soil Sciences 334, 444.**REVISE ENVIRONMENTAL AND SOIL SCIENCES MAJOR, ENVIRONMENTAL SCIENCE CONCENTRATION****Second Year**

Economics 201 or Agricultural Economics 201*	4
¹ Cultures and Civilizations Elective*	3
Formerly: Economics 201*	4
Statistics 201*	3

Third Year

Statistics 201* or Plant Sciences 461	3
Formerly: ¹ Cultures and Civilizations Elective*	3

Fourth Year

Agricultural Economics 445 or 470 or 472 or Economics 362	3
Ecology and Evolutionary Biology 404 or 470	3
⁴ Free Electives	2-3
Formerly: Agricultural Economics 470 or Economics 362	3
Free Electives	5-6
⁴ Free electives may be selected from any courses not already required for the major.	

◆ ADD ENVIRONMENTAL AND SOIL SCIENCES MAJOR, LAND SURVEYING TECHNOLOGY CONCENTRATION

Surveying is a high-profile profession that merges analytical abilities with technology. Land surveyors are licensed professionals who specialize in obtaining measurements with both precision and accuracy. Working outdoors and indoors, in remote and urban settings, surveyors have an educational background in historical research, real estate law, geology, forestry, hydrology, and botany. Surveyors can choose from a number of professional specialties, such as construction surveys, boundary and control, hydrographic, GIS, and forensic surveying. The Land Surveying Technology concentration has pre-approved education courses within its curriculum for taking the Tennessee Professional Land Surveyor-In-

Training Exam (see <http://bioengr.ag.utk.edu/surveying>). The Land Surveying concentration can lead to becoming a licensed Tennessee Professional Surveyor.

First Year	Hours Credit
Biology 111*, 112*	8
Chemistry 120*, 130*	8
English 101*, 102*	6
¹ Math 151*, 152*.....	6
² Social Science Elective*	3
 Second Year	
Agriculture and Natural Resources 290	3
² Arts and Humanities Elective*	3
² Cultures and Civilizations Elective*	3
Agricultural Economics 201* or Economics 201*	4
Environmental and Soil Sciences 210	4
Forestry 212.....	3
Mathematics 202*	3
Physics 221*	4
Communications Studies 210*(OC) or 240*(OC)	3
Statistics 201*	3
 Third Year	
Biosystems Engineering Technology 326, 412.....	6
² Cultures and Civilizations Elective*	3
⁴ Electives	6
English 360*(WC)	3
Environmental and Soil Sciences 301*(OC), 324	4
Forestry, Wildlife and Fisheries 313	2
³ Technical Electives.....	6
 Fourth Year	
² Arts and Humanities Elective*	3
Biosystems Engineering Technology 414, 434, 474.....	9
Civil Engineering 442.....	3
Industrial Engineering 423	3
³ Technical Electives.....	12
Total 124	

* Meets University General Education requirement

¹ Or Mathematics 141*, 142* (or Honors equivalent) for students interested in possibly shifting to an engineering major.

² Choose from the corresponding University General Education list after consultation with advisor.

³ Choose from the following list or from alternatives after consultation with advisor. Note that some electives have required prerequisites. See individual course descriptions in the catalog for specific information. Civil Engineering 210, 351, 352; Geography 310, 412, or other technical courses chosen with the approval of your academic advisor.

⁴Electives may be selected from any courses not already required for the major.

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

The Off-Road Vehicle Technology concentration is designed to provide a strong background in engine and vehicle performance analysis, as well as an understanding and appreciation for natural resource environmental concerns. Knowledge of the fundamental technologies will be acquired, including fabrication, engines, vehicle performance evaluation, CAD, GIS/GPS, and instrumentation. Applications include military, agricultural, forestry, construction, and recreational off-road vehicles.

First Year	Hours Credit
Biology 111*, 112* or Geology 101*, 102*	8
Chemistry 120*, 130*	8
English 101*, 102*	6
¹ Math 151*, 152*.....	6
² Social Science Elective*	3

Second Year

Communications Studies 210*(OC) or 240*(OC)	3
Agriculture and Natural Resources 290	3
Agricultural Economics 201* or Economics 201*	4
Physics 221*	4
Biosystems Engineering 202	3
² Arts and Humanities Elective*	3
Environmental and Soil Sciences 210	4
Statistics 201*	3
Forestry, Wildlife and Fisheries 250*	3
³ Technical Elective	3

Third Year

Biosystems Engineering Technology 326, 412	6
² Cultures and Civilizations Electives*	6
English 295*(WC) or 360*(WC)	3
Environmental and Soil Sciences 324	3
Forestry 321*(WC)	3
³ Technical Electives	9

Fourth Year

² Arts and Humanities Elective*	3
Biosystems Engineering Technology 414, 432, 434, 452, 462, 474	18
Geography 410	3
³ Technical Electives	6

Total 124

* Meets University General Education requirement

¹ Or Mathematics 141*, 142* (or Honors equivalent) for students interested in possibly shifting to an engineering major.

² Choose from the corresponding University General Education list after consultation with advisor.

³ Choose from the following list or from alternatives after consultation with advisor. Note that some electives have required prerequisites. See individual course descriptions in the catalog for specific information. Agricultural Economics 444; Forestry, Wildlife and Fisheries 416; Philosophy 245; Industrial Engineering 304, 423, or other technical courses chosen with the approval of your academic advisor.

REVISE ENVIRONMENTAL AND SOIL SCIENCES MAJOR, SOIL SCIENCE CONCENTRATION

- Replace Economics 201 with Agricultural Economics 201 or Economics 201.

DEPARTMENT OF FORESTRY, WILDLIFE AND FISHERIES**REVISE FORESTRY MAJOR, ALL CONCENTRATIONS**

- Replace Economics 201 with Agricultural Economics 201 or Economics 201.

REVISE WILDLIFE AND FISHERIES SCIENCE MAJOR, WILDLIFE & FISHERIES MGT CONCENTRATION

- Replace Economics 201 with Agricultural Economics 201 or Economics 201.

REVISE WILDLIFE AND FISHERIES SCIENCES MAJOR – WILDLIFE HEALTH CONCENTRATION

- Replace Economics 201 with Agricultural Economics 201 or Economics 201.

DEPARTMENT OF PLANT SCIENCES**REVISE PLANT SCIENCES MAJOR, BIOENERGY CONCENTRATION****Third Year**

- Replace PLSC 353 with PLSC 452
SUPPORTING INFORMATION: Rationale: Course number has been changed from 353 to 452. Impact on other units: None. Financial impact: None.

REVISE PLANT SCIENCES MAJOR, BIOTECHNOLOGY CONCENTRATION

Fourth Year

- Replace PLSC 353 with PLSC 452

Footnotes

- Remove PLSC 448 from note at end of footnotes.

REVISE PLANT SCIENCES MAJOR, HORTICULTURAL SCIENCE AND PRODUCTION CONCENTRATION

- Remove PLSC 448 from note at end of footnotes.

REVISE PLANT SCIENCES MAJOR, LANDSCAPE DESIGN AND CONSTRUCTION CONCENTRATION

- Remove PLSC 448 as an option in fourth year

REVISE PLANT SCIENCES MAJOR, PUBLIC HORTICULTURE CONCENTRATION

- Replace PLSC 448 with PLSC 494 in fourth year

REVISE PLANT SCIENCES MAJOR, TURFGRASS SCIENCE AND MANAGEMENT CONCENTRATION

Fourth Year

- Replace PLSC 353 with PLSC 452.
- Delete PLSC 448 as an option.
- Replace PLSC 449 with PLSC 462.
- Add PLSC 370, 438, 466 to "Select from:" list.

COLLEGE OF ARCHITECTURE AND DESIGN

All changes effective Fall 2010

I: COURSE CHANGES

(133) (ARCH) Architecture

ADD PRIMARY CROSS-LIST

†101 Introduction to the Built Environment (3) *(Same as Interior Design 101.)*

ADD (RENUMBERED COURSE)

221 Representation III: Digital Media (2) Exploration of basic computer aided design programs in the representation of three dimensions; Emphasis is placed on learning how the computer can assist in the design process through representation, visualization, and analysis. Drawing conventions, the use of color and printing protocols will also be included.

(RE) Prerequisite(s): 172.

(RE) Corequisite(s): 271 or Interior Design 271.

DROP

231 Representation III: Digital Media (3)

Current Course (133) (ARCH) Architecture	Equivalent Course Fall 2010 (133) (ARCH) Architecture
231	221

ADD

421 Representation IV: Information Modeling (2) Exploration of advanced information modeling programs. Emphasis is placed on learning how the digital model can assist in the design process through the representation of construction and analysis. The use of building information modeling to predict building performance and to document material properties will also be included.

(RE) Prerequisite(s): 372.

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

REVISE DESCRIPTION

122 Representation II: Drawing and Intention (2) Exploration of drawing as a means of visual thinking and a method of communication, emphasizing design intent and its relationship to the mode of representation. Exploration of different media and techniques of representation, concentrating on constructed drawings. Includes line drawing, shadow, shade, and perspective. Drawings based on observation and precedent. Introductory digital skills related to scanning, image manipulation, layout, and printing.

Formerly: Exploration of drawing as a means of visual thinking and a method of communication, emphasizing design intent and its relationship to the mode of representation. Exploration of different media and techniques of representation, concentrating on constructed drawings. Includes line drawing, shadow, shade, and perspective. Drawings based on observation and precedent.

REVISE COURSE TITLE

431 Integration of Building Systems in Design (3)

Formerly: Structural and Mechanical Applications (3)

471 Integration Design Studio (6)

Formerly: Architectural Design V: Integration (6)

(582) (IDS) Interior Design

ADD SECONDARY CROSS-LIST

†101 Introduction to the Built Environment (3) *(See Architecture 101.)*

DROP

141 Introduction to Interior Design (2)

Equivalency Table

Current Course (582) (IDS) Interior Design	Equivalent Course Fall 2010 (582) (IDS) Interior Design
141	101

ADD (RENUMBERED COURSES)

211 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.

212 History and Theory of Interior Architecture II (3) Interior architecture, architecture, decorative arts, and furnishings within social and cultural context in global perspective from 19th through 20th century. Design as influenced by movements in the fine arts and technological advances.

(RE) Prerequisite(s): 211.

DROP (RENUMBERED COURSES)

311 History of Interior Architecture (4)**312 History of Contemporary Interior Architecture (2)**

Equivalency Table

Current Course (582) (IDS) Interior Design	Equivalent Course Fall 2010 (582) (IDS) Interior Design
311	211
312	212

ADD

321 Representation IV: Advanced Computer Applications (2) Exploration of advanced computer applications in interior design including information modeling programs, visualization, three-dimensional advanced modeling, and digital fabrication. Emphasis is placed on learning how the digital model can assist in the design process through representation and analysis.

(RE) Prerequisite(s): Architecture 221.

425 Special Topics in Interior Design (1-6) Faculty initiated courses. Topics vary.

Repeatability: May be repeated. Maximum 6 hours.

Registration Restriction(s): Interior design, architecture or landscape architecture major.

474 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.

DROP (MOVING TO ARCH)

172 Introduction to Microenvironments (3)**177 Honors: Introduction to Microenvironments (3)**

Equivalency Table

Current Courses (582) (IDS) Interior Design	Equivalent Course Fall 2010 (133) (ARCH) Architecture
172	172
177	

REVISE TITLE, DESCRIPTION, AND CREDIT HOURS

261 Materials, Resources and Textiles for Interiors (3) Application of interior architectural materials, textiles and resources used in designing interior environments. Focus on environmental sustainability, codes, function and aesthetics. Formerly: 261 Materials and Resources for Interiors (2) The development and application of materials and resources used in interior architectural space.

REVISE TITLE AND DESCRIPTION

200 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.

Formerly: 200 Human-Environment Systems (3) Role of culture in defining environment; physical, social and conceptual aspects of human-environment systems; impact of environment on human behavior, feelings and values; mutual-causal properties of behavior-environment systems.

REVISE TITLE, REVISE DESCRIPTION AND ADD (RE) PREREQUISITE

221 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.

Formerly: Introduction to basic color theory and its application to interior environments. Explores aesthetics and psycho-physiological effects.

REVISE (RE) AND (DE) PREREQUISITES

271 Interior Design Studio I (6)

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

(DE) Prerequisite(s): Architecture 101.

Formerly:

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

(DE) Prerequisite(s): 141 and Mathematics 123.

ADD (DE) PREREQUISITE

272 Interior Design Studio II (6)

(DE) Prerequisite(s): Mathematics 123.

REVISE (RE) PREREQUISITE

331 Drawing and Construction Documentation (2)

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

Formerly: (RE) Prerequisite(s): 272 and Architecture 231.

DROP (DE) PREREQUISITE AND ADD (DE) COREQUISITE

371 Intermediate Interior Design I (6)

(DE) Corequisite(s): 221.

Formerly: (DE) Prerequisite(s): 221.

II: PROGRAM CHANGES

REVISE ARCHITECTURE MAJOR (SECOND AND FOURTH YEARS AND FOOTNOTE 3)

Second Year

Architecture 221 2
Formerly: Architecture 231 3

Fourth Year

Architecture 421 2
Architecture 431 3
¹Architecture 471 6
Design Studio Option 6
³Electives 17
Formerly:
Architecture 431 3
Architecture 471 6
Design Studio Option 6
Electives 18

³ Elective distribution –Two courses from...Ten hours of free electives.
Formerly: Two courses from...Eleven hours of free electives.

REVISE INTERIOR DESIGN MAJOR

First Year

Interior Design 211..... 3
 Architecture 101, 121, 122, 171, 172..... 14
 English 101*, 102* 6
 Art History 172*, 173* 6

Second Year

Interior Design 200, 212, 261, 271, 272 21
 Architecture 221..... 2
 Physics 161* 3
 Mathematics 123* 3
¹Social Sciences* 3
²Communicating Orally* 3

Third Year

Interior Design 221, 321, 331, 360, 371, 372, 460* 24
³Natural Science* 4
⁴Cultures and Civilizations* 3

Summer

Interior Design 420 or 491 3

Fourth Year

Interior Design 471, 472 or 474 or 477, 480 15
⁵Professional Electives (3, 3) 6
⁶Communicating through Writing* 3
⁴Cultures and Civilizations* 3
¹Social Sciences* 3

Total 128

* Meets University General Education Requirement.

¹ See Social Sciences list – University General Education Requirement. Select two courses from the list.

² See Communicating Orally list – University General Education Requirement. Select one course from the list.

³ See Natural Sciences list – University General Education Requirement. Select one course with a lab.

⁴ See Cultures and Civilizations list – University General Education Requirement. Select two non-U.S. History courses on the list or two courses in a foreign language at the intermediate level.

⁵ Any interior design courses numbered 300-499 or any architecture courses numbered 300-599 or any landscape architecture courses numbered 400-599.

⁶ See Communicating through Writing list – University General Education Requirement. Select one course from the list.

COLLEGE OF ARTS AND SCIENCES

All changes effective Fall 2010

I: COURSE CHANGES**SCHOOL OF ART****(135) (ACER) Art Ceramics**

ADD

323 Intermediate Pottery & Ceramic Sculpture (4) Continued investigation of sculpture and/or utilitarian forms with an emphasis on idea development and process. This course will address clay preparation, clay finishing and kiln firing.

Repeatability: May be repeated. Maximum 12 hours.

(RE) Prerequisite(s): 221, 222, 320

391 Intermediate Ceramics (3-4) Individual sections for various artistic disciplines.

Repeatability: Course may be repeated. Maximum 8 hours.

Registration Restriction(s): Non-majors only (not for BA and BFA — studio art majors and BFA — graphic design majors).

REVISE TITLE, REVISE DESCRIPTION, ADD (RE) PREREQUISITE, AND ADD (RE) COREQUISITE

221 Ceramic Sculpture (3) Introduction to sculptural formats with a focus on ideas and ceramic process. This course will address clay preparation, clay finishing and kiln firing.

(RE) Prerequisite(s): ART 101 and 103.

(RE) Corequisite(s): ART 102.

Formerly: Ceramics: Handbuilding I (3) Introduction to handbuilding, glazing, clay preparation, and firing.

222 Beginning Pottery (3) Introduction to clay with an emphasis on utilitarian form. This course will address pottery wheel techniques, clay preparation, glazing and kiln firing.

(RE) Prerequisite(s): ART 101 and 103.

(RE) Corequisite(s): ART 102.

Formerly: Ceramics: Throwing I (3) Introduction to throwing, glazing, clay preparation and firing.

REVISE TITLE, DESCRIPTION AND (RE) PREREQUISITE

421 Advanced Ceramic Sculpture (6) Continued investigation of sculpture with a focus on idea development and individual direction. This course will address clay preparation, clay finishing and kiln firing.

(RE) Prerequisite(s): 323.

Formerly:

Ceramics: Advanced Handbuilding (6) Continued investigation of ceramic form with an emphasis on the development of individual direction.

(RE) Prerequisite(s): 321 and 322.

422 Advanced Pottery (6) Continued investigation of utilitarian forms with a focus on idea development and individual direction. This course will address clay preparation, glazing and kiln firing.

(RE) Prerequisite(s): 323.

Formerly: Ceramics: Advanced Throwing (6) Continued, in-depth investigation of ceramic form with an emphasis on the development of individual direction.

(RE) Prerequisite(s): 321 and 322.

(136) (ADES) Art Design/Graphic

ADD (RENUMBERED COURSE)

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

(RE) Prerequisite(s): 251.

DROP (RENUMBERED COURSE)

356 Graphic Design Production (3)

Equivalency Table

Current Course (136) (ADES) Art Design	Equivalent Course Fall 2010 (136) (ADES) Art Design
356	255

ADD SECONDARY CROSS-LIST (AMED—MEDIA ARTS IS PRIMARY)

401 Experiments in Sequencing (4) (*See Art Media Arts 401.*)

402 Experiments in Space (4) (*See Media Arts 402.*)

403 Experiments in Systems (4) (*See Media Arts 403.*)

DROP

256 Individual Projects in Graphic Design (3)

REVISE (RE) PREREQUISITE

251 Beginning Graphic Design I (3)

(*RE*) Prerequisites: Art 102 and Art 103.

Formerly: (RE) Prerequisites: Art 101 and 103.

REVISE CREDIT HOURS

351 Intermediate Graphic Design I (4)

Formerly: (3)

352 Intermediate Graphic Design II (4)

Formerly: (3)

451 Advanced Graphic Design (4)

Formerly: (3)

***452 Graphic Design Seminar (4)**

Formerly: (3)

(137) (ADRA) Art Drawing

ADD

391 Intermediate Drawing (3-4) Individual sections for various artistic disciplines.

Repeatability: May be repeated. Maximum 8 hours.

Registration Restriction(s): Non-majors only (not for BA and BFA — studio art majors and BFA —graphic design majors).

(134) (AMED) Art Media Arts

ADD

391 Intermediate Media (3-4) Individual sections for various artistic disciplines.

Repeatability: May be repeated. Maximum 8 hours.

Registration Restriction(s): Non-majors only (not for BA and BFA — studio art majors and BFA —graphic design majors).

REVISE DESCRIPTION

231 Photography I (3) Introduction to the art of photography. Taking and processing of photographs through both traditional film/darkroom and digital.

Formerly:

Art of black and white photography. Field and studio shooting, history of photography, basic developing, and enlarging techniques.

DROP (RE) COREQUISITE

†235 Introduction to Cinematography as Art (3)

Formerly: (RE) Corequisite 231.

REVISE TITLE, REVISE DESCRIPTION, AND ADD REPEATABILITY

341 Digital Photography (4) Studio course introducing theory and techniques of use of computer in photography.
Repeatability: May be repeated. Maximum 8 hours.
Formerly: Digital Photography I (4) Studio course introducing theory and techniques of use of computers in photography.

ADD PRIMARY CROSS-LIST

401 Experiments in Sequencing (4) (*Same as ADES 401*).

402 Experiments in Space (4) (*Same as ADES 402*).

403 Experiments in Systems (4) (*Same as ADES 403*).

REVISE CREDIT HOURS

431 Photography II (4)
Formerly: (3-6)

REVISE TITLE AND DESCRIPTION

†**433 History of Film and Modern and Contemporary Art (3)** Study of the development and interaction between the cinematic arts and the visual arts within the context of 20th- and 21st-century art history.
Formerly:
History of Film and Modern Art (3) Study of the development and interaction between the cinematic arts and the visual arts within the context of modern art history.

REVISE (RE) PREREQUISITE

†**435 Cinematography as Art (4)**
(RE) Prerequisite(s): 235.
Formerly: (RE) Prerequisite(s): 235 and 330.

†**436 Video Art (4)**
(RE) Prerequisite(s): 236.
Formerly: (RE) Prerequisite(s): 236 and 330.

(138) (APAI) Art Painting

ADD

391 Intermediate Painting (3-4) Individual sections for various artistic disciplines.
Repeatability: May be repeated. Maximum 8 hours.
Registration Restriction(s): Non-majors only (not for BA and BFA — studio art majors and BFA — graphic design majors).

DROP

315 Watercolor III (4)
316 Watercolor Portfolio Review (0)
415 Watercolor IV (6)

(132) (APRI) Art Printmaking

ADD

391 Intermediate Printmaking (3-4) Individual sections for various artistic disciplines.
Repeatability: May be repeated. Maximum 8 hours.
Registration Restriction(s): Non-majors only (not for BA and BFA — studio art majors and BFA — graphic design majors).

(143) (ASCU) Art Sculpture

ADD

391 Intermediate Sculpture (3-4) Individual sections for various artistic disciplines.*Repeatability: May be repeated. Maximum 8 hours.**Registration Restriction(s): Non-majors only (not for BA and BFA — studio art majors and BFA — graphic design majors).***(190) (BIOL) Biology**

ADD (HONORS VERSION OF 130)

***138 Honors Biodiversity (4)** Same as BIOL 130 but designed for high-achieving students.*Contact hour distribution: 3 hours lecture and 1 3-hour lab.**Credit restriction: Credit may be received for only one of the following courses/course sequences: 130, 138, 101 and 102, or 111 and 112.**Comment(s): Although not required, it is strongly recommended that 138 and 148 be taken in sequence.*

ADD (HONORS VERSION OF 140)

***148 Honors Organization and Function of the Cell (4)** Same as BIOL 140 but designed for high-achieving students.*Contact hour distribution: 3 hours lecture and 1 3-hour lab.**(RE) Corequisite(s): Chemistry 120.**Comment(s): Although not required, it is strongly recommended that 138 and 148 be taken in sequence.*

ADD (HONORS VERSION OF 401)

407 Senior Honors Thesis (1-3) Written preparation and oral presentation of faculty-supervised student research.*Registration Permission: Consent of instructor.*

REVISE DESCRIPTION AND CONTACT HOUR DISTRIBUTION

***101 Humankind in the Biotic World (4)** Introduction to the principles of biology from the perspective of the impacts of plants, animals, and microbes on human life, and the impact of humans on the biosphere. Intended for students not majoring in the biological or pre-health sciences. Surveys life from the cell to topics in human health. Topics include – macromolecules and cells, energy flow in biological systems, genetics and information flow from generation to generation, reproduction, biotechnology and genetic engineering, sex and sexuality, and human physiology. Laboratories involve a mix of skills-oriented exercises and assignments.*Contact Hour Distribution: 3 hours lecture and one 2-hour lab.*

Formerly:

Introduction to the principles of biology from the perspective of the impacts of plants, animals, and microbes on human life, and the impact of humans on the biosphere. Intended for students not majoring in the biological or pre-health sciences. Surveys life from the cell to topics in human health. Topics include — macromolecules and cells, energy flow in biological systems, genetics and information flow from generation to generation, reproduction, biotechnology and genetic engineering, sex and sexuality, human physiology, cancer, drugs (use and misuse). Laboratories involve a mix of skills-oriented exercises and assignments focused on topics.

*Contact Hour Distribution: 3 hours lecture and 1 hour lab.****102 Humankind in the Biotic World (4)** Introduction to the principles of biology from the perspective of the impacts of plants, animals, and microbes on human life, and the impact of humans on the biosphere. Intended for students not majoring in the biological or pre-health sciences. Focuses on the diversity of the Earth's biota and the interdependence among components. Topics include – surveys of biodiversity from bacteria to higher plants and animals, genetics and evolutionary processes, population biology, ecology, ecosystems, environmental issues including world population and global climate change. Laboratories involve a mix of skills oriented exercises and assignments.*Contact Hour Distribution: 3 hours lecture and one 2-hour lab.*

Formerly:

Introduction to the principles of biology from the perspective of the impacts of plants, animals, and microbes on human life, and the impact of humans on the biosphere. Intended for students not majoring in the biological or pre-health sciences. Focuses on the diversity of the Earth's biota and the interdependence among components. Topics include — surveys of biodiversity from bacteria to higher plants and animals, genetics and evolutionary processes, population biology, ecology, ecosystems, environmental issues including world population and global climate change. Laboratories involve a mix of skills-oriented exercises and assignments focused on topics.

Contact Hour Distribution: 3 hours lecture and 1 hour lab.

REVISE CONTACT HOUR DISTRIBUTION AND ADD COMMENT

130 Biodiversity (4)Contact Hour Distribution: 3 hours lecture and one 3-hour lab.*

Comment(s): Although not required, it is strongly recommended that 130 and 140 be taken in sequence.
Formerly: 3 hours lecture and 1 hour lab. No comment.

DROP (RE) PREREQUISITE, REVISE (RE) COREQUISITE, ADD CONTACT HOUR DISTRIB, AND ADD COMMENT

***140 Organization and Function of the Cell (4)**

Contact hour distribution: 3 hours lecture and one 3-hour lab.

(RE) Corequisite(s): Chemistry 120.

Comment(s): Although not required, it is strongly recommended that 130 and 140 be taken in sequence.

Formerly:

(RE) Prerequisite(s): 130 and Chemistry 120.

(RE) Corequisite(s): Chemistry 130.

REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE, ADD CONTACT HOUR DISTRIB, AND ADD COMMENT

240 General Genetics (4)

Contact hour distribution: 3 hours lecture and one 3-hour lab.

(RE) Prerequisite(s): 140 or 148 or 112; and Chemistry 130.

Comment(s): A working knowledge of college algebra is required.

Formerly:

(RE) Prerequisite(s): 140 or 112.

(DE) Prerequisite(s): Chemistry 130.

REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE, REVISE CONTACT HOUR DISTRIB, & DROP COMMENT

250 General Ecology (4)

Contact Hour Distribution: 3 hours lecture and one 3-hour lab (discussion, field work/problems, or computer simulations).

(RE) Prerequisite(s): 130 or 138 or 102 or 112.

Formerly:

Contact hour distribution: 3 hours lecture and 1 hour discussion, field problems, or computer simulations.

(RE) Prerequisite(s): 140 or 112.

(DE) Prerequisite(s): Chemistry 130.

Comment- A working knowledge of college algebra is required.

(247) (CLS) Clinical Laboratory Science

REVISE DESCRIPTION

420 Clinical Chemistry (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.

Formerly:

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 blood gas analysis, including radioimmunoassay, and analysis of blood and other body fluids for enzymes, hormones, and other constituents of clinical interest, utilizing both automated and manual techniques, physical characteristics, detection, and use of short half-life radioactive materials for in vivo procedures such as radioimmunoassay which utilize radioisotopes.

421 Clinical Chemistry (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.

Formerly:

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 blood gas analysis, including radioimmunoassay, and analysis of blood and other body fluids for enzymes, hormones, and other constituents of clinical interest, utilizing both automated and manual techniques, physical characteristics, detection, and use of short half-life radioactive materials for in vivo procedures such as radioimmunoassay which utilize radioisotopes.

DEPARTMENT OF EARTH AND PLANETARY SCIENCES

(424) (GEOL) Geology

ADD

471 Applied Geophysics (3) Basic principles of data collection, processing, and analysis for several common geophysical techniques will be presented through lectures, computer assignments (labs), and field work. Passive (earthquake) and active (reflection and refraction) seismology, potential fields (gravity and magnetics), heat flow, electromagnetics (including ground penetrating radar), and electrical techniques will be covered.

Contact Hour Distribution: One 3-hour meeting per week consisting of lecture, computer lab, or field work. One optional day or weekend field trip will be scheduled.

Credit Restriction: Credit cannot be received for both 470 and 471.

Recommended Background: Calculus, physics, petrology, sedimentology and stratigraphy and structural geology or consent of instructor.

DROP

470 Applied Geophysics (3)

Equivalency Table

Current Course (424) (GEOL) Geology	Equivalent Course Fall 2010 (424) (GEOL) Geology
470	471

(339) (ENGL)

ADD (HONORS VERSION OF 251)

***247 Honors: Introduction to Poetry (3)** Enriched section of 251.

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

Registration restriction(s): 3.25 GPA, or consent of instructor.

ADD (HONORS VERSION OF 252)

***248 Honors: Introduction to Drama (3)** Enriched section of 252.

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

Registration restriction(s): 3.25 GPA, or consent of instructor.

ADD (HONORS VERSION OF 253)

***258 Honors: Introduction to Fiction (3)** Enriched section of 253.

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

Registration restriction(s): 3.25 GPA, or consent of instructor.

ADD (HONORS VERSION OF 262)

267 Honors: Introduction to Poetry Writing (3) Enriched section of 262.

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

Registration restriction(s): 3.25 GPA, or consent of instructor.

ADD (HONORS VERSION OF 264)

268 Honors: Introduction to Fiction Writing (3) Enriched section of 264.

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

Registration restriction(s): 3.25 GPA, or consent of instructor.

(415) (GEOG) Geography

ADD

331 Natural Hazards (3) Overview of Earth's natural hazards. Topics include: hurricanes, earthquakes, tornadoes, mass movements, volcanoes, tsunamis, wildfires, and floods. Hazard awareness is emphasized by highlighting case studies and important past events.

(DE) Prerequisite(s): 132.

333 Climate Change and Human Response (3) Controversies and uncertainties about present-day climate change, future climate scenarios and mitigation strategies, and individual and policy responses to climate predictions.

(DE) Prerequisite(s): 131.

430 Global Environments of the Quaternary (3) Physical and biotic evidence of climate and environmental history over the two to three million year period that humans have inhabited Earth. Geographical and temporal patterns of change, drivers of change, and interrelationships with human society.

Recommended background: 131 or consent of instructor.

(462) (HIST) History

REVISE TITLE

†**383 Early Jewish History (3)** (Same as Judaic Studies 383).

Formerly: History of Jewish Civilization I

DROP

†**384 History of Jewish Civilization II (3)** (Same as Judaic Studies 384).

INTERDISCIPLINARY PROGRAMS

(595) (JST) Judaic Studies

DROP SECONDARY CROSS-LIST COURSE

†**384 History of Jewish Civilization II (3)** (See History 384).

(994) (WOST) Women's Studies

DROP SECONDARY CROSS-LIST COURSE

†**425 Women's Health (3)** (see Health 425.)

MODERN FOREIGN LANGUAGES AND LITERATURES

(584) (ITAL) Italian

REVISE DESCRIPTION AND ADD REPEATABILITY

314 Highlights of Italian Civilization (3) Survey of Italian civilization with special attention to major social, political, and cultural achievements. Taught in Italian.

Repeatability: May be repeated if topic differs. Maximum 6 hours.

Formerly: Survey of Italian civilization with special attention to major social, political, and cultural achievements.

REVISE DESCRIPTION AND ADD COMMENT

†**401 Dante and Medieval Culture (3)** Dante's times and the *Divine Comedy*. Writing-emphasis course. (Same as Medieval Studies 401).

Comment(s): Open to non-majors. Italian majors and minors will be required to read selected texts and write papers in Italian.

Formerly: Introduction to the significance of this great Italian writer. Writing-emphasis course..

†**402 Petrarch and Boccaccio (3)** A cultural and literary survey from Petrarch to Machiavelli. Writing-emphasis course.

Comment(s): Open to non-majors. Italian majors and minors will be required to read selected texts and write papers in Italian.

Formerly: Writing-emphasis course..

403 Literature of the Rinascimento (3) A cultural and literary survey of major Italian authors in the 16th century.

Comment(s): Open to non-majors. Italian majors and minors will be required to read selected texts and write papers in Italian.

Formerly: From Pucci to Tasso, the Quattrocento and the Cinquecento.

REVISE DESCRIPTION, ADD (RE) PREREQUISITE, AND ADD REPEATABILITY

411 Aspects of Modern Literature and Culture (3) Representative works of Italian modern literature and culture. Taught in Italian.

(RE) Prerequisite(s): 212.

Repeatability: May be repeated with consent of instructor. Maximum 6 hours.

Formerly: Representative works of modern literature and culture.

412 Advanced Literary Reading and Conversation (3) A cultural and literary survey of contemporary Italian poetry and short stories. Taught in Italian.

(RE) Prerequisite(s): 212.

Repeatability: May be repeated with consent of instructor. Maximum 6 hours.

Formerly: Advanced Literary Reading and Conversation (3) Representative works of contemporary literature and culture.

(811) (PORT) Portuguese

ADD RECOMMENDED BACKGROUND

†**432 Topics in the Literature and Culture of the Portuguese-speaking World (3)** *(Same as Latin American Studies 432.)*

Recommended Background: At least one course at the 300-level taught in Portuguese.

SCHOOL OF MUSIC

(707) (MUED) Music Education

REVISE (RE) PREREQUISITE

310 Conducting I (3)

(RE) Prerequisite(s): Music Theory 210 and 230.

Formerly: (RE) Prerequisite(s): Music Theory 220.

(745) (PHIL) Philosophy

REVISE TITLE

***340 Ethical Theory (3)**

Formerly: Ethics

***347 Honors: Ethical Theory (3)**

Formerly: Honors: Ethics

(830) (PSYC) Psychology

ADD

432 Childhood Psychopathologies (3) Descriptive, theoretical and research aspects of abnormal development in children and adolescents are covered including, but not limited to, autism, ADHD, depression, eating anorexia and bulimia, and learning disabilities.

(RE) Prerequisite(s): 110.

(863) (REST) Religious Studies

DROP (RE) COREQUISITE

474 Modern and Contemporary South Asian Religion (3)

Formerly: (RE) Corequisite(s): 374.

REVISE TITLE AND DROP REGISTRATION PERMISSION

REST 499 Advanced Seminar in the Study of Religion (3)

Formerly:

Senior Seminar in Religious Studies

Registration permission: Consent of instructor.

II: PROGRAM CHANGES

REVISE COLLEGE TEXT (BASIC SKILLS AND DISTRIBUTION REQUIREMENTS HEADING)

Under Foreign Language, Placement Information heading:

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.

Formerly:

All students who wish to enroll in a French, German, Latin, or Spanish 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 online. Examinations will be given during summer 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, 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. Under no circumstances may any student earn more than 6 hours of language placement examination credit. Students who feel they have been inappropriately placed should consult the appropriate language section.

REVISE COLLEGE TEXT (DISTRIBUTION REQUIREMENTS HEADING)

- Revise Part A: Divisional Distribution Requirements, Natural Sciences, List B:
 - Drop BIOL 157
- Revise Part A: Divisional Distribution Requirements, Arts and Humanities, List A (Literature):
 - Drop ASLN 312
- Revise Part B: Upper Level Distribution Requirements, List B (Foreign Studies—Asia):
 - Drop HIST 391
- Revise Part B: Upper Level Distribution Requirements, List B (Foreign Studies—Latin America):
 - Drop PORT 432
- Revise Part B: Upper Level Distribution Requirements, List B (Foreign Studies—Middle East):
 - Drop HIST 384
- Revise Part B: Upper Level Distribution Requirements, List B (Foreign Studies—Literature Courses Taught in a Foreign Language):
 - Drop FREN 413
 - Add PORT 432

REVISE COLLEGE TEXT (MAJORS HEADING)

- Revise 3rd paragraph, 4th sentence:
 - Remove audiology, computer science, and speech pathology.

SCHOOL OF ART

REVISE ART HISTORY MAJOR

- Revise section II. Major, sub-section C. Select one course from four of the five areas:
 - Add AHIS 470 (African American Art) to American list
 - Add AHIS 416 (Chinese Art of the 20th and 21st Centuries) to 19th/20th Century list

REVISE GRAPHIC DESIGN MAJOR

- Revise section II. Graphic Design (35 hours):
 - Revise 35 hours to 41 hours
- Revise section II. Graphic Design, sub-section B. Complete (in sequence):
 - Add ADES 256 (Graphic Design Production) after ADES 252
 - Add ADES 400 (Typography) after ADES 351
 - Add ADES 405 (Computer Enhanced Graphic Design) after ADES 352
 - Drop ADES 356 (Graphic Design Production)
 - Drop ADES 455 (Graphic Design Professional Seminar)
- Revise section II. Graphic Design, sub-section D. Select 8 hours:
 - Revise 8 hours to 7 hours
- Revise section III. Required Design and Professional (12 hours)
 - Revise 12 hours to 6 hours
- Revise section III. Required Design and Professional (12 hours), sub-section A:
 - Drop section A
- Revise section III. Required Design and Professional (12 hours), sub-section B:
 - Drop ADES 256 (Individual Projects in Graphic Design)
 - Add ADES 401 (Experiments in Sequencing)
 - Add ADES 402 (Experiments in Space)
 - Add ADES 403 (Experiments in Systems)
 - Add ART 491 (Foreign Study)
- Revise section IV. Studio (18 hours), sub-section A. Select 18 hours from list below:
 - In the line, "any 200-level or above Art Drawing," drop "(ADRA 191 and higher)"
- Revise section VI. General Curriculum (35-36 hours):
 - Revise 35-36 hours to 34-35 hours
- Revise section VI. General Curriculum (35-36 hours), sub-section C. Quantitative Reasoning (7 hours):
 - Revise 7 hours to 6-7 hours
- Revise section VI. General Curriculum (35-36 hours), sub-section C. Quantitative Reasoning (7 hours):
 - Drop section 1
 - Revise section 2 to "any two QR courses from the university general education list"

REVISE STUDIO ART MAJOR (ALL CONCENTRATIONS)

- Revise section I. Foundation, sub-section D. Select one course from each conc (200-level studio), 2D Arts:
 - Drop ADRA 211 (Drawing)
- Revise section I. Foundation, sub-section E. Select one course (200-level studio):
 - Move comment to beginning of course list: "any course from concentrations listed above or"
- Revise section II. Concentration, sub-section B. Select 16 hours (300-400 level conc):
 - Add comment: Note: Student must meet progression requirements for the concentration before taking upper-division courses.
 - Drop APAI 315 (Watercolor III) under Painting heading
 - Drop APAI 415 (Watercolor IV) under Painting heading
- Revise section II. Concentration, sub-section C. Select 16 hours (300-400 level studio):
 - Drop APAI 315 (Watercolor III) under 2D heading
 - Drop APAI 415 (Watercolor IV) under 2D heading
 - Add ACER 323 (Intermediate Pottery and Ceramic Sculpture) under 3D heading
 - Revise AMED 433 title to History of Film and Modern and Contemporary Art under 4D heading

DEPARTMENT OF BIOCHEMISTRY AND CELLULAR AND MOLECULAR BIOLOGY

REVISE BIOLOGICAL SCIENCES MAJOR, BCMB CONCENTRATION

Revise BCMB Concentration section:

The concentration consists of **32 hours**.

I. Complete:

CHEM 350 - Organic Chemistry I
CHEM 360 - Organic Chemistry II
CHEM 369 - Organic Chemistry Laboratory
BCMB 311 - Advanced Cellular Biology
BCMB 401 - Biochemistry I

II. Select one course:

BCMB 402 - Biochemistry II
BCMB 412 - Molecular Biology and Genomics

III. Select (13 total hours):

A. Select one laboratory course:

BCMB 322 – Plant Physiology Laboratory
BCMB 403 - Advanced Genetics Laboratory
BCMB 404 - Plant Molecular Biology
BCMB 416 - Neurobiology Laboratory
BCMB 419 - Cellular and Comparative Biochemistry Laboratory
BCMB 452 - Independent Research in Biochemistry

B. Select one physiology course:

BCMB 321 - Introductory Plant Physiology
BCMB 440 - General Physiology

C. Select remaining hours:

BCMB courses numbered 300 and above (except BCMB 306, BCMB 310)
EEB 360 - Comparative Invertebrate Biology
EEB 460 - Evolution
MICR 310 - Introduction to Microbiology
MICR 319 - Introductory Microbiology Laboratory
MICR 410 - Microbial Physiology
MICR 411 - Microbial Genetics
MICR 420 - Microbial Pathogenesis
MICR 429 - Medical Microbiology Laboratory
MICR 430 - Immunology
MICR 440 - Virology

Note: At least 7 out of the 13 credit hours must be BCMB courses.

Formerly: 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-Molecular Biology I
BCMB 402 - Biochemistry-Molecular Biology II

II. Select (16 total credit hours):

at least 2 credit hours from laboratory courses:

BCMB 403 - Advanced Genetics Laboratory
BCMB 404 - Plant Molecular Biology
BCMB 416 - Neurobiology Laboratory
BCMB 419 - Cellular and Comparative Biochemistry Laboratory
BCMB 452 - Independent Research in Biochemistry
BIOL 401 - Senior Thesis

at least 3 credit hours from physiology courses:

BCMB 321 - Introductory Plant Physiology
BCMB 440 - General Physiology

MICR 310 - Introduction to Microbiology

at least 11 additional credit hours from:

BCMB courses numbered 300 and above (except BCMB 306 , BCMB 310 , BCMB 457)

BIOL 401 - Senior Thesis

EEB 360 - Comparative Invertebrate Biology

EEB 460 - Evolution

MICR 310 - Introduction to Microbiology

MICR 319 - Introductory Microbiology Laboratory

MICR 410 - Microbial Physiology
 MICR 411 - Microbial Genetics
 MICR 420 - Microbial Pathogenesis
 MICR 429 - Medical Microbiology Laboratory
 MICR 430 - Immunology
 MICR 440 - Virology

Note:

No more than 9 of the 16 credit hours may be in non-BCMB courses.

REVISE BIOLOGICAL SCIENCES MAJOR, HONORS BCMB CONCENTRATION

An honors option is offered to students who have completed Biology 130 (or equivalent), 140, and 240 with a cumulative GPA of 3.50 or above and an overall GPA of at least 3.25.

- Complete 12 hours of BCMB courses at the 300 level or above through honors by contract, including Honors Thesis (BCMB 457), with a minimum grade of B in each course.
- Participate in independent research (BCMB 452 or equivalent)
- Note: No more than 6 total credit hours combined from BCMB 452 and BCMB 457 may be applied toward the BCMB concentration.

Formerly: An honors option is offered to students with a cumulative GPA in biological sciences prerequisite courses of 3.5 or above and who have completed BIOL 130 -BIOL 140 -BIOL 240 -BIOL 250 . The honors option also requires a substantive research project carried out under the supervision of a biochemistry and cellular and molecular biology faculty member and a thesis describing the results of that project. The thesis must be approved by the faculty supervisor.

DIVISION OF BIOLOGY

REVISE BIOLOGICAL SCIENCES MAJOR, PLANT BIOLOGY CONCENTRATION

- Revise Plant Biology Concentration introductory sentence:
 - Revise 29-34 hours to 30-34 hours
- Revise section I. Complete A, B, or C, sub-section A:
 - Add comment next to A: "(Required for Cell & Molecular Emphasis)"
- Revise section II. Complete:
 - Revise BCMB 321 to BCMB 321 or EEB 463
 - Revise EEB 400 to EEB 400 or BCMB 452
 - Drop EEB 490 (Undergraduate Seminar)
- Revise section III. Select 9 hours:
 - Revise "Select 9 hours" to "Remaining hours"
 - Revise course list: Any upper-division BCMB (except BCMB 306; BCMB 401 required for Cell & Molecular Emphasis), BIOL, EEB (except EEB 309), MICR courses. Appropriate upper division courses from the College of Agricultural Sciences & Natural Resources can be substituted with permission.

REVISE BIOLOGICAL SCIENCES MAJOR, HONORS PLANT BIOLOGY CONCENTRATION

Requirements for an honors option are:

- a GPA of 3.5 in all 300-level and above concentration courses
- an overall GPA of 3.25
- a minimum of 4 hours of EEB 400 or BCMB 452 (undergraduate research) during the junior and senior year
- a senior thesis (BIOL 407 or EEB 407 or BCMB 457) that is acceptable to the student's committee and
- a minimum of twelve hours of upper-division honors courses. This may be satisfied by courses offered as honors-by-contract.

Students interested in pursuing an honors option should contact the Division of Biology office for details.

Formerly:

Requirements for an honors option are:

- a GPA of 3.5 in all 300-level and above concentration courses
- an overall GPA of 3.2
- a minimum of 4 hours of EEB 400 (undergraduate research) during the junior and senior year
- a senior thesis that is acceptable to the student's committee.

Students interested in pursuing an honors option should contact the Division of Biology office for details.

DEPARTMENT OF EARTH AND PLANETARY SCIENCES

REVISE GEOLOGY MAJOR

- Revise Prerequisites section:
 - Change "Complete" to "Select one sequence"
 - Add honors chemistry sequence (CHEM 128-138) as an option
 - Revise comment: "CHEM 130 or CHEM 138 may be taken concurrently with 300-level geology courses."
- Revise Corequisites section, Complete sub-section:
 - Change "Complete" to "Select one sequence"
 - Add additional math options: MATH 147-148 and 151-152
- Revise Corequisites section, first select one course sub-section:
 - Add PHYS 137 (Honors: Fundamentals of Physics for Physics Majors I)
 - Add EF 151 (Physics for Engineers I)
 - Add EF 157 (Honors: Physics for Engineers I)
- Revise Corequisites section, second select one course sub-section:
 - Add BIOL 138 (Honors Biodiversity)

REVISE GEOLOGY MINOR

- Revise Select two courses section:
 - Add GEOL 104 (Exploring the Planets)

INTERDISCIPLINARY PROGRAMS

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, ENVIRONMENTAL STUDIES CONCENTRATION

- Revise Prerequisites section, Select one sequence (chemistry) sub-section:
 - Add CHEM 100-110
 - Drop CHEM 150-160
- Revise Prerequisites section, Select one sequence (geology) sub-section:
 - Add GEOL 103 (The Earth's Environments)
- Revise Concentration Requirements section, sub-section I. Core, sub-section A. Select 15 hrs :
 - Add new grouping of courses:
 - FWF 250 (Conservation)
 - SOCI 250 (Introduction to Global Studies) (one course from this group only)
 - Revise third grouping of courses:
 - Drop GLBS 250 (Introduction to Global Studies)
 - Drop SOCI 250 (Introduction to Global Studies)
- Revise Concentration Requirements section, sub-section I. Core, sub-section B. Select 3 hrs :
 - Drop GEOL 456 (Global Climate Change)
- Revise Concentration Requirements section, sub-section I. Core, sub-section C. Select 3 hrs :
 - Add GEOL 456 (Global Climate Change)
- Revise Concentration Requirements section, sub-section II. Specialty:
 - Drop Biochemistry and Cellular and Molecular Biology
 - Drop Biosystems Engineering and Soil Science

◆ ADD ENVIRONMENTAL STUDIES MINOR

The minor consists of **15 hours**.

- A. Select 9 hours:
 - GEOL 202 (Earth as an Ecosystem: Modern Problems and Solutions)
 - GEOL 204 (Sustainability: Reducing Our Impact on Planet Earth)

- GEOG 345 (Population and Environment)
JREM 451 (Environmental Writing)
SOC1 250 (Introduction to Global Studies)
- B. Select one course:
SOC1 360 (Environment and Resources)
SOC1 464 (Urban Ecology)
SOC1 465 (Social Values and the Environment)
- C. Select one course:
AGEC 470 (Natural Resource Economics)
ECON 362 (Environmental and Natural Resource Policy)

◆ ADD SUSTAINABILITY MINOR

The minor consists of 15 hours.

Select 15 hours:

- ECON 322 (The Global Economy: Trade and Development)
- FWF 250 (Conservation)
- GEOG 345 (Population and Environment)
- GEO1 204 (Sustainability: Reducing Our Impact on Planet Earth)
- POLS 471 (International Political Economy)
- SOC1 250 (Introduction to Global Studies)
- SOC1 360 (Environment and Resources)
- SOC1 464 (Urban Ecology)

REVISE INTERDISCIPLINARY PROGRAMS MAJOR, GLOBAL STUDIES CONCENTRATION

- Revise Concentration Requirements section, sub-section C. Select 1 course, sub-section Option II:
 - Drop FREN 413 (French Literature of the 18th Century) from Upper-Division Modern Foreign Language Courses Taught in the Language of Study

DEPARTMENT OF MICROBIOLOGY

REVISE BIOLOGICAL SCIENCES MAJOR, MICROBIOLOGY CONCENTRATION

- Revise Microbiology Concentration section, Select 12 hours sub-section:
 - Add comment after "400-level MICR courses": (at least 6 hrs must be satisfied by 410, 411, 420, 430, 440, 470, 480)

DEPARTMENT OF MODERN FOREIGN LANGUAGES AND LITERATURES

REVISE FRENCH MAJOR

- Revise Major Requirements section, Select one 400-level literature course sub-section:
 - Drop FREN 413 (French Literature of the 18th Century)
- Revise Major Requirements section, Select 6 hours sub-section:
 - Drop FREN 413 (French Literature of the 18th Century)

REVISE FRENCH MAJOR, LANGUAGE AND WORLD BUSINESS CONCENTRATION

- Revise I. Language Requirement section, Select one 400-level literature course sub-section:
 - Drop FREN 413 (French Literature of the 18th Century)

REVISE GERMAN MAJOR, HONORS CONCENTRATION

- Revise first paragraph (drop references to GERM 478 and 497):
The honors concentration consists of at least 32 hours of German in courses numbered above 300. Students must have at least 12 hours of honors courses, including GERM 477 with a grade of B+ or better and MFL 495. Students may sign up for honors-by-contract courses in German in order to fulfill the 12 hours of honors courses required for the honors concentration of the German major. German honors students will also complete a study abroad experience in a German-speaking country.

Formerly: The honors concentration consists of at least **32 hours** of German in courses numbered above 300. Students must have at least 12 hours of honors courses, including GERM 477 or GERM 478 with a grade of B+ or better, a senior honors project (GERM 497) directed by a faculty member, and MFL 495. Students may sign up for honors-by-contract courses in German in order to fulfill the 12 hours of honors courses required for the honors concentration of the German major. The senior honors project (GERM 497), to be approved by the German honors committee, will encompass both, a written essay or portfolio and an oral presentation to the German faculty, and it must be completed with a grade of B+ or higher during the last 30 hours of course work. German honors students will also complete a study abroad experience in a German-speaking country.

REVISE GERMAN MAJOR, LANGUAGE AND LITERATURE CONCENTRATION

- Revise Language and Literature Concentration section, Select 21 hours sub-section:
 - Drop GERM 478 (German Honors)
 - Drop GERM 497 (Senior Honors)
- Revise Language and Literature Concentration section, Select 3 hours sub-section:
 - Add GERM 416 (Metropolis Revisited)

DEPARTMENT OF PHILOSOPHY

REVISE PHILOSOPHY MAJOR

- Revise Major Requirements section, I. Select one course from each area sub-section, C. Ethics sub-section:
 - Revise course list to:
 - PHIL 340 (Ethical Theory)
 - PHIL 347 (Honors: Ethical Theory)
 - PHIL 440 (Contemporary Ethical Theory)
- Revise Major Requirements section, II. Select one course sub-section:
 - Revise heading to "Select three additional courses"
- Revise Major Requirements section, III. Select three courses sub-section:
 - Revise heading to "Select one additional course"
- Revise Major Requirements section, IV. Select one course sub-section:
 - Revise heading to "Select one additional course"

DEPARTMENT OF POLITICAL SCIENCE

REVISE POLITICAL SCIENCE MAJOR, HONORS CONCENTRATION

- Revise Honors Concentration section (following Prerequisites), last sentence in introductory paragraph:
 - 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.
Formerly: 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 3.0.

REVISE POLITICAL SCIENCE MAJOR, PUBLIC ADMINISTRATION CONCENTRATION

- Revise Public Administration Concentration section:
 - Drop first three subsections
 - Complete
 - Select two courses (political science)
 - Select two courses (accounting & economics)

- Revise Public Administration Concentration section,
 - Add new sub-section at beginning:
Select at least four courses
 - ECON 371 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 Political Analysis
 - POLS 440 Public Management and Human Resources
 - POLS 441 Public Budgeting
 - POLS 442 Administrative Law and Regulatory Policymaking
- Revise Public Administration Concentration section, Select at least one course (Comparative Gov) sub-section:
 - Add POLS 364 (Introduction to Comparative Politics)
- Revise Public Administration Concentration section,
 - Add new sub-section to end:
Select at least 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 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)

DEPARTMENT OF RELIGIOUS STUDIES

REVISE RELIGIOUS STUDIES MAJOR

Major Requirements

Majors will be required to take a total of 30 hours of courses.

I. Complete:

REST 499: Advanced Seminar in the Study of Religion

II. Select one course from each of the following areas (12 hours):

A. Europe and the Middle East

REST 311 - Ancient Hebraic Religious Traditions
REST 312 - Religious Aspects of Biblical and Classical Literature
REST 321 - New Testament and Early Christian Origins
REST 322 - Christianity in Late Antiquity
REST 332 - Classical Islam
REST 333 - Islam in the Modern World
REST 381 - Introduction to Judaism
REST 385 - Contemporary Jewish Thinkers
REST 386 - Voices of the Holocaust

B. North America and Africa

REST 351 - Religion in the United States
REST 352 - African-American Religion in the United States
REST 353 - Topics in African-American Religion
REST 355 - Topics in North American Religion
REST 373 - African Religions

C. South, Southeast, and East Asia

REST 374 - Philosophy and Religion in India
REST 376 - Buddhist Philosophy and Religion

REST 378 - Theravada Buddhism
REST 379 - Religion and Philosophy in China
REST 380 - East Asian Buddhism in Asia and North America
REST 382 - Religion and Culture in Southeast Asia
REST 383 - Religion in Japan
REST 384 - Zen Buddhism

D. Methods and Issues in Religious Studies
REST 300 - Ways of Understanding Religion
REST 301 - Religious Myth, Symbol, and Ritual
REST 302 - Anthropology of Religion
REST 305 - Contemporary Religious Thought and Practice
REST 313 - Religious Aspects of Modern Literature
REST 320 - Women and Religion
REST 342 - Religious Ethics

III. Select 15 hours:

any remaining Religious Studies courses (at least three hours must be at the 400 level, and no more than six hours may be taken at the 200-level)

Formerly: Majors are required to take 27 hours of religious studies courses at the 300 level or above.

I. Complete:

- A. Complete REST 300
- B. Select one 400-level religious studies course

II. West Asia and Europe—select two courses (from different areas):

- A. Judaism
- B. Christianity
- C. Islam

III. Africa and the Americas—select two courses (from different areas):

- A. African Religions
- B. North American Religions
- C. African-American & African Diaspora Religions

IV. South, Southeast, and East Asia—select two courses (from different areas)

- A. South Asia
- B. Southeast Asia
- C. East Asia

V. Methods and Issues in Religious Studies—select one course

REVISE RELIGIOUS STUDIES MAJOR, HONORS CONCENTRATION

Honors Concentration

The honors concentration consists of 30 hours. Students must have an overall GPA of 3.25 to be accepted to the honors concentration. To graduate with honors the student must maintain an overall GPA of at least 3.25 and pass 407 and 408 with at least a 3.3 in each class. Students interested in the honors concentration should consult the department's honors coordinator.

I. Complete:

REST 499 – Advanced Seminar in the Study of Religion
REST 407 - Honors: Senior Thesis, I
REST 408 - Honors: Senior Thesis, II

II. Select one course from each of the following areas (12 hours):

A. Europe and the Middle East
REST 311 - Ancient Hebraic Religious Traditions
REST 312 - Religious Aspects of Biblical and Classical Literature
REST 321 - New Testament and Early Christian Origins
REST 322 - Christianity in Late Antiquity
REST 332 - Classical Islam
REST 333 - Islam in the Modern World
REST 381 - Introduction to Judaism
REST 385 - Contemporary Jewish Thinkers
REST 386 - Voices of the Holocaust

B. North America and Africa
REST 351 - Religion in the United States
REST 352 - African-American Religion in the United States
REST 353 - Topics in African-American Religion
REST 355 - Topics in North American Religion
REST 373 - African Religions

C. South, Southeast, and East Asia
 REST 374 - Philosophy and Religion in India
 REST 376 - Buddhist Philosophy and Religion
 REST 378 - Theravada Buddhism
 REST 379 - Religion and Philosophy in China
 REST 380 - East Asian Buddhism in Asia and North America
 REST 382 - Religion and Culture in Southeast Asia
 REST 383 - Religion in Japan
 REST 384 - Zen Buddhism

D. Methods and Issues in Religious Studies
 REST 300 - Ways of Understanding Religion
 REST 301 - Religious Myth, Symbol, and Ritual
 REST 302 - Anthropology of Religion
 REST 305 - Contemporary Religious Thought and Practice
 REST 313 - Religious Aspects of Modern Literature
 REST 320 - Women and Religion
 REST 342 - Religious Ethics

III. Select 6 additional honors hours from the following:
 any religious studies courses numbered 300 or above (completed through honors-by-contract)

IV. Select 3 additional hours:
 any 300-level or above course in Religious Studies

Formerly: Majors are required to take 27 hours of religious studies courses at the 300 level or above.

I. Complete three courses

II. West Asia and Europe—select two courses (from different areas):

- A. Judaism
- B. Christianity
- C. Islam

III. Africa and the Americas—select two courses (from different areas):

- A. African Religions
- B. North American Religions
- C. African-American & African Diaspora Religions

IV. South, Southeast and East Asia—select two courses (from different areas):

- A. South Asia
- B. Southeast Asia
- C. East Asia

V. Select 3 additional hours: any 300-400 level religious studies courses

VI. Select 3 additional hours: any honors course

REVISE RELIGIOUS STUDIES MINOR

- Revise first sentence:
 - The minor consists of 15 hours of courses in the department of religious studies at the 200-level or above. No more than 3 hours may be taken at the 200-level.
 Formerly: The minor consists of 15 hours of courses at the 300 level or above, not including related language courses.

COLLEGE OF BUSINESS ADMINISTRATION

All changes effective Fall 2010

I: COURSE CHANGES**BUSINESS ADMINISTRATION (INTERDEPARTMENTAL UNIT)****(205) (BUAD) Business Administration**

REVISE GRADING RESTRICTION

100 Approaches to the College of Business Administration (1)*Grading Restriction: A, B, C, No Credit grading.*

Formerly: Satisfactory/No Credit grading only.

DEPARTMENT OF MANAGEMENT**(625) (MGT) Management**

REVISE REGISTRATION RESTRICTION

331 Leadership Skills (3)*Credit Restriction: Students may not receive credit for both Management 331 and Engineering Fundamentals 337.**Registration Restriction(s): Majors the College of Business Administration or Honors Engineering Leadership Minor.*

Formerly: Registration Restriction(s): Majors the College of Business Administration.

REVISE (RE) PREREQUISITE AND REGISTRATION RESTRICTION

451 New Venture Planning (3)*(RE) Prerequisite(s): 350 or Engineering Fundamentals 357.**Registration Restriction(s): Majors in the College of Business Administration or Honors Engineering Leadership Minor.*

Formerly:

(RE) Prerequisite(s): 350.

Registration Restriction(s): Majors in the College of Business Administration.

460 Leading Innovation and Change (3)*(RE) Prerequisite(s): 331 or Engineering Fundamentals 337.**Registration Restriction(s): Majors in the College of Business Administration or Honors Engineering Leadership Minor.*

Formerly:

(RE) Prerequisite(s): 331.

Registration Restriction(s): Majors in the College of Business Administration or Honors Engineering Leadership Minor.

ADD (RE) PREREQUISITE, DROP (RE) COREQUISITE, AND REVISE REGISTRATION RESTRICTION

350 Introduction to Entrepreneurship (3)*Credit Restriction: Students may not receive credit for both Management 350 and Engineering Fundamentals 357.**(RE) Prerequisite(s): 331 or Engineering Fundamentals 337.**Registration Restriction: Majors the College of Business Administration or Honors Engineering Leadership Minor.*

Formerly:

(RE) Corequisite(s): Business Administration 331 or Business Administration 341.

Registration Restriction: Majors the College of Business Administration.

II: PROGRAM CHANGES**DEPARTMENT OF MARKETING AND LOGISTICS**

◆ REVISE LOGISTICS MAJOR, COLLATERAL OPTION

- Add Entrepreneurship Collateral Option – Management 331, 350, 451.

◆ REVISE MARKETING MAJOR, COLLATERAL OPTION

- Add Entrepreneurship Collateral Option – Management 331, 350, 451.

COLLEGE OF COMMUNICATION AND INFORMATION

All changes effective Fall 2010

I: COURSE CHANGES

SCHOOL OF COMMUNICATION STUDIES

(250) (CMST) Communication Studies

ADD

342 Survey of Organizational Communication (3) Overview of how people in for-profit and non-profit contexts interact both internally and externally.

(RE) Prerequisite(s): 201 or 207.

Registration Restriction(s): Major/Minor in Communication Studies or consent of instructor.

446 Leadership (3) Examines theory and practice of leadership trends; focuses on interactive aspects of leading and following.

(RE) Prerequisite(s): 342.

Registration Restriction(s): Major/Minor in Communication Studies or consent of instructor.

DROP

260 Communication and Society (3)

270 Argumentation and Debate (3)

271 Intercollegiate Forensics (1)

272 Intercollegiate Forensics (1)

300 Nonverbal Communication (3)

371 Intercollegiate Forensics (1)

372 Intercollegiate Forensics (1)

397 Honors Seminar (1)

450 Propaganda (3)

†466 Rhetoric of the Women's Rights Movement to 1930 (3)

†469 Freedom of Speech (3)

†476 Rhetoric of the Contemporary Feminist Movement (3)

REVISE TITLE, REVISE REPEATABILITY, REVISE CREDIT HOURS, ADD DESCRIPTION, ADD GRADING RESTRICTION, ADD CREDIT RESTRICTION, AND DROP REGISTRATION RESTRICTION

492 Internship (1-6) Supervised career-related experiences using communication studies theories and techniques in government and for-profit or nonprofit organizations, culminating in a written and oral report.

Grading Restriction(s): Satisfactory/No Credit grading only.

Repeatability: May be repeated. Maximum 6 hours.

Credit Restriction(s): Does not count toward major requirements.

Formerly: Off-Campus Study (1-15)

Repeatability: May be repeated. Maximum 6 hours.

Registration Restriction(s): 3.0 GPA; minimum student level—junior.

ADD (RENUMBERED COURSES)

312 Survey of Interpersonal Communication (3) Overview of how people interact in a variety of contexts.

(RE) Prerequisite(s): 201 or 207.

Registration Restriction(s): Major/Minor in Communication Studies or consent of instructor.

352 Communication Theory (3) Analysis and critique of fundamental theories with particular reference to interpersonal and organizational communication.

(RE) Prerequisite(s): 201 or 207.

Registration Restriction(s): Major in Communication Studies.

356 Research Methods in Communication Studies (3) Survey of contemporary methods used for research in communication studies. Emphasis on interpreting and evaluating communication research reports.

(RE) Prerequisite(s): 352.

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

410 Family Communication (3) Dynamics of interactions within family systems, marriage, and parent-child relationships. Study of verbal and nonverbal communication processes, patterns, and problems.

(RE) Prerequisite(s): 312.

Registration Restriction(s): Major/Minor in Communication Studies or consent of instructor.

412 Close Relationships (3) Theory and research examining interactions in friendships, romantic relationships, and/or families.

(RE) Prerequisite(s): 312.

Registration Restriction(s): Major/Minor in Communication Studies or consent of instructor.

414 Persuasion (3) Methods which contribute to effective and ineffective persuasion. Topics include credibility, message construction, and receiver variables.

(RE) Prerequisite(s): 312.

Registration Restriction(s): Major/Minor in Communication Studies or consent of instructor.

416 Interpersonal Health Communication (3) Interpersonal communication in health care settings. Topics include provider-client interactions, social support groups, stigma and disease, and contemporary models explaining the use of health-related information.

(RE) Prerequisite(s): 312.

Registration Restriction(s): Major/Minor in Communication Studies or consent of instructor.

419 Interpersonal Conflict (3) Communication as a significant factor in the development, management, and resolution of conflict at the interpersonal, small group, organizational, or societal levels.

(RE) Prerequisite(s): 312.

Registration Restriction(s): Major/Minor in Communication Studies or consent of instructor.

442 Organizational Communication Processes (3) Theory and practice of how people in organizations interact.

(RE) Prerequisite(s): 342.

Registration Restriction(s): Major/Minor in Communication Studies or consent of instructor.

444 Group Communication (3) Small group decision-making. Evidence, argumentation, leadership, roles, and norms as they affect critical thinking in groups.

(RE) Prerequisite(s): 342.

Registration Restriction(s): Major/Minor in Communication Studies or consent of instructor.

449 Political Persuasion (3) Study of the communication processes utilized by political candidates, office holders, and social movement organizers.

(RE) Prerequisite(s): 342.

Registration Restriction(s): Major/Minor in Communication Studies or consent of instructor.

487 Honors Seminar (3) In-depth survey of communication research topics. Topics rotate among health, interpersonal, and organizational/team communication.

Repeatability: May be repeated. Maximum 12 hours.

(RE) Prerequisite(s): 312 or 342.

(DE) Prerequisite(s): To be determined based upon topic.

Registration Restriction(s): Major in Honors Communication Studies.

DROP (RENUMBERED COURSES)

220 Interpersonal Communication (3)

310 Persuasion (3)

320 Interpersonal Communication Processes

330 Group Communication

340 Research Methods (effective Fall 2011)

350 Communication Theory (effective Fall 2011)

407 Honors Seminar

420 Communication and Conflict

425 Interpersonal Health Communication

430 Family Communication

440 Organizational Communication

445 Internship (1-3)

455 Political Persuasion

Equivalency Table

Current Course (250) (CMST) Communication Studies	Equivalent Course Fall 2010 (250) (CMST) Communication Studies
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220	312
310	414
320	412
330	444
340	356
350	352
407	487
420	419
425	416
430	410
440	442
445	492
455	449

REVISE DESCRIPTION AND DROP (RE) PREREQUISITE

201 Introduction to Communication Studies (3) Fundamental theories and practices with particular reference to interpersonal and organizational communication.

Formerly:

Fundamental theories and practices with particular reference to interpersonal, group, organizational, and public communication.

(RE) Prerequisite(s): Communication and Information 150.

207 Honors Introduction to Communication Studies (3) Analysis and exploration of fundamental theories and practices in communication studies with particular reference to interpersonal and organizational communication.

Formerly:

Analysis and exploration of the fundamental theories and practices in communication studies.

(RE) Prerequisite(s): Communication and Information 150.

REVISE (RE) PREREQUISITE

250 Advanced Public Speaking (3)

(RE) Prerequisite(s): 210, 217, 240, or 247.

Formerly:

(RE) Prerequisite(s): 210 or 240.

ADD (RE) PREREQUISITE AND REGISTRATION RESTRICTION

400 Topics in Communication Studies (3)

(RE) Prerequisite(s): 312 or 342.

Registration Restriction(s): Major/Minor in Communication Studies.

REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE, REVISE REGISTRATION RESTRICTION, AND REVISE RECOMMENDED BACKGROUND

499 Proseminar in Communication Studies (3)

(RE) Prerequisite(s): 356.

Recommended Background: 12 or more hours of 300-level or 400-level Communication Studies courses.

Registration Restriction(s): Major in Communication Studies.

Formerly:

(RE) Prerequisite(s): 201 or 207.

(DE) Prerequisite(s): 340 and 350.

Recommended Background: 12 or more hours of communication studies courses.

Registration Restriction(s): Minimum student level – senior.

SCHOOL OF JOURNALISM AND ELECTRONIC MEDIA

(592) (JREM) Journalism and Electronic Media

DROP

*201 Writing for Mass Media (3)

302 Readership and Audience Analysis (3)

433 Editing and Layout for Print/Web (3)

ADD (RENUMBERED COURSES)

175 Principles and History of Journalism and Media (3) History of all media and overview of all media platforms. Students are introduced to theories and research in media and society. Students not only learn about the broad scope of journalism and media but will also gain experience with on-campus media.
Contact Hour Distribution: Lecture and lab.

250 Visual Communication (3) Lecture and project course providing students with the principles of visual communication. Students learn about visual elements for print, web, and video. Students are introduced to the technology they will need to become multimedia journalists. Students complete assignments in the Scripps Convergence Lab and other on-campus facilities.
(RE) Prerequisite(s): 200.

380 Media Graphics (3) Principles and practice in the visual aspect of communication. Emphasis on graphic design, typography, illustration and photography, printing and production techniques and publication design.
Contact Hour Distribution: Lecture and lab.
(RE) Prerequisites: 250.

390 Photojournalism (3) Principles and practice of photography as a creative tool of communication. Basic camera technique, digital photography, historical and contemporary photojournalism.
Contact Hour Distribution: Lecture and lab.

499 The Media Business and Future of Journalism (3) Exposes students to broad media management issues; helps students understand the importance of the business side of journalism in addition to the quality of journalism; helps students understand how to balance those two concerns. Introduces students to issues related to media management relative to jobs and careers in media companies. Provides an overview of the future of journalism and media.
Registration Restriction(s): Journalism and Electronic Media major; minimum student level-senior.

DROP (RENUMBERED COURSES)

- 236 Foundations of Video Production (3)
- 275 Introduction to Journalism and Electronic Media
- 280 Communication Graphics (3)
- 290 Photojournalism (3)
- 485 Media Management (3)

Equivalency Table

Current Course (592) (JREM) Journalism & Electronic Media	Equivalent Course Fall 2010 (592) (JREM) Journalism & Electronic Media
236	250
275	175
280	380
290	390
485	499

ADD (COMBINING THREE COURSES INTO ONE)

230 Media Reporting (3) The process of covering a variety of news events and stories. Introduces students to general assignment, enterprise, and beat reporting and ethical journalism practices. Includes Internet-based research tools, interviewing, and other news gathering techniques. Students will need to have a laptop, a digital camera and audio and video recording devices. Students will submit stories in all platforms.
(RE) Prerequisite(s): 200.

DROP (COMBINING THREE COURSES INTO ONE)

- 222 Online Journalism (3)
- 311 Electronic News Writing and Reporting (3)
- 315 Print/Web News Writing and Reporting (3)

Equivalency Table

Current Course (592) (JREM) Journalism & Electronic Media	Equivalent Course Fall 2010 (592) (JREM) Journalism & Electronic Media
222	230
311	
315	

ADD (COMBINING TWO COURSES INTO ONE)

466 Media, Diversity, and Society (3) This course examines theoretical approaches and practical issues regarding how social groups are represented in the mass media. Industry and alternative media efforts at addressing diversity are also explored.

(RE) Prerequisite(s): 175 and 200.

Comment(s): Prior knowledge may satisfy prerequisite with consent of instructor.

DROP (COMBINING TWO COURSES INTO ONE)

457 Media and Society (3)

†**465 Media and Diversity (3)**

Equivalency Table

Current Course (592) (JREM) Journalism & Electronic Media	Equivalent Course Fall 2010 (592) (JREM) Journalism & Electronic Media
457	466
465	

REVISE TITLE, DESCRIPTION, AND (RE) PREREQUISITE

***200 Media Writing (3)** Students will learn how to work in a professional media environment. They will learn basic forms of writing for all media. Students will also be introduced to basic grammar, style, structure, media practices and technology. Students are introduced to AP Style for print and broadcast.

(RE) Prerequisite(s): 175 or Public Relations 270.

Formerly:

Introduction to News Writing (3) Writing for print and electronic media (radio, television/cable and the Internet under deadline. Gathering information by using records, documents, observation, interviewing, and the Internet. Emphasis on library resources, electronic data-bases, and current events. Basic style and editing based on AP Stylebook and Libel Manual, and AP Broadcast News Handbook.

(RE) Prerequisite(s): ENGL 102 and CCI 150.

320 Media Promotions (3) Media promotions techniques and campaigns. Strategies for reaching audiences with media promotions. Students develop promotional messages and campaigns.

(RE) Prerequisite(s): 175 and 250.

Formerly:

Mass Media Commercial Writing and Promotion (3) Study of media (print, radio, television, cable, and the Internet) commercial writing and promotion with an emphasis on writing persuasive messages. Analysis of markets and research data. Planning promotional campaigns.

(RE) Prerequisite(s): 200 and 275.

336 Video Production (3) The basics of conceiving, writing, and producing multi-platform video programs. Includes both studio and field production. Introduction to non-linear editing.

(RE) Prerequisite(s): 175 and 250.

Formerly:

Intermediate Video Production (3) Emphasis on concepts related to message design, development, field acquisition, writing, digital videography, producing, and directing video productions. Students are introduced to non-linear digital editing. As part of the class, students provide production support for on-going programs produced for digital cable television channel.

(RE) Prerequisite(s): 236.

422 Web Journalism (3) Lecture with project assignments. This course examines the web as a news medium, including current issues, problems and practices of web journalism, blogging, social networking, audience analysis, and web site critiques.

(RE) Prerequisite(s): 230 or Public Relations 320.

Formerly:

Managing News Web Sites (3) Development and maintenance of online news site for the School of Journalism and Electronic Media. Adapts television news packages, radio news stories, newspaper stories, and magazine features for the Web. Daily management of Web site.

(RE) Prerequisite(s): 222.

REVISE DESCRIPTION

436 Advanced Video Production (3) Students conceive and produce video programs using advanced techniques of field acquisition and non-linear editing.

Formerly: Students are actively involved in the program development process, including conceiving, writing, and producing original video productions, as well as maintenance of existing shows airing weekly on the university's digital cable channel. Advanced post-production techniques including non-linear digital editing.

REVISE TITLE, REVISE DESCRIPTION, REVISE (RE) PREREQUISITE, AND ADD COMMENT

446 Advanced Projects in Visual Communications (3) Students will work individually or in groups on major projects using video, still photography or multimedia.

(RE) Prerequisite(s): 436 or 490.

Comment(s): Prior knowledge may satisfy prerequisite with consent of instructor.

Formerly:

Video Capstone (3) Overview of production management. The course will be taught in conjunction with visiting professionals from a variety of corporate and commercial video production facilities. In-depth seminars on production management, including budgeting, planning, staffing, producing, directing, and evaluating video projects. Students are involved in managing productions produced for the digital cable channel.

(RE) Prerequisite(s): 436.

REVISE DESCRIPTION AND REGISTRATION RESTRICTION

492 Practicum (1-2) Part-time work and learning experience at a media-related enterprise (10-20 hours per week). Final written report required.

Registration Restriction(s): Must be a Journalism and Electronic Media major; minimum student level – junior.

Formerly: Work and learning experience at newspaper, radio, television, cable, Web, or other non-broadcast facilities. Final written report required.

Registration Restrictions: Minimum student level-senior.

ADD (RE) PREREQUISITE(S)

367 Mass Communication History (3)

(RE) Prerequisite(s): 175 and 200.

375 Sports Reporting Across the Media (3)

(RE) Prerequisite(s): 230 or Public Relations 320.

412 Opinion Writing (3)

(RE) Prerequisite(s): 230 or Public Relations 320.

475 Sports Writing (3)

(RE) Prerequisite(s): 375.

REVISE (RE) PREREQUISITE

333 Print/Web Editing (3)

(RE) Prerequisite(s): 230 or Public Relations 320.

Formerly: *(RE) Prerequisite(s): 315 or Public Relations 320.*

360 Electronic Media Performance (3)

(RE) Prerequisite(s): 175 and 250.

Formerly: *(RE) Prerequisite(s): 275.*

365 Sports Broadcasting (3)

(RE) Prerequisite(s): 175 and 250.

Formerly: *(RE) Prerequisite(s): 200 and 275.*

411 Electronic News Gathering (3)

(RE) Prerequisite(s): 230.

Formerly: *(RE) Prerequisite(s): 311.*

***414 Magazine and Feature Writing (3)**

(RE) Prerequisite(s): 230 or Public Relations 320; and 333.

Formerly: *(RE) Prerequisite(s): 333.*

420 Media Sales (3)

(RE) Prerequisite(s): 175.

Formerly: *(RE) Prerequisite(s): 320.*

430 Public Affairs Reporting (3)

(RE) Prerequisite(s): 230 or Public Relations 320.

Formerly: *(RE) Prerequisite(s): 333.*

490 Advanced Photojournalism (3)

(RE) Prerequisite(s): 390.

Formerly: (RE) Prerequisite(s): 290.

II: PROGRAM CHANGES

REVISE COLLEGE TEXT (PROGRESSION REQUIREMENTS HEADING)

- Revise paragraph 1:
Entering and transfer students are first associated with the college as pre-majors. Students may progress into a major in communication studies after completing at least 30 hours of course work with a minimum 2.5 UTK cumulative GPA and Introduction to Communication Studies (201) by the end of the semester in which they apply to the major. Applications and procedures for declaring the major or minor are available in the CCI Undergraduate Advising Center, the Communication Studies office, and online at <http://www.cci.utk.edu> under applications and petitions. Students must have a declared major in communication studies to progress into Communication Theory. All courses in the core progression (Survey of Interpersonal Communication, Survey of Organizational Communication, Communication Theory, Research Methods in Communication Studies, and Proseminar in Communication Studies) must be taken at the University of Tennessee, Knoxville.
- Revise paragraph 2:
Entering students may progress into a major in journalism and electronic media after completing at least 30 hours of course work with a minimum 2.5 UTK cumulative GPA and Principles and History of Journalism and Media (175). Transfer students may progress into a major in journalism and electronic media after completing at least 30 hours of course work, including Journalism and Electronic Media 175, and earning a minimum of 12 hours at the University of Tennessee, Knoxville, with a minimum 2.5 UTK cumulative GPA.

Formerly: Entering and transfer students are first associated with the college as pre-majors. Students may progress into a major in communication studies after completing at least 30 hours of course work, including the college gateway course (CCI 150 - Communication in an Information Age), with a minimum 2.5 UTK cumulative GPA.

Entering students may progress into a major in journalism and electronic media after completing at least 30 hours of course work, including the college gateway course (CCI 150), with a minimum 2.5 cumulative GPA. Transfer students may progress into a major in journalism and electronic media after completing at least 30 hours of course work, including the college gateway course (CCI 150) and earning a minimum of 12 hours at the University of Tennessee, Knoxville, with a minimum 2.5 cumulative GPA.

REVISE COLLEGE TEXT (REQUIREMENTS FOR GRADUATION HEADING)

- Revise paragraph 2:
The Bachelor of Arts in Communication is awarded to communication studies majors who successfully complete the 120 hours prescribed under the communication studies requirements. Students must earn at least a C- in all communication studies courses completed for the hours to count toward requirements for the major. Students must achieve a cumulative grade point average of at least 2.0 in all College courses used to fulfill graduation requirements. Survey of Interpersonal Communication, Survey of Organizational Communication, Communication Theory, Research Methods in Communication Studies, and Proseminar in Communication Studies must be completed at the University of Tennessee, Knoxville.

Formerly: The Bachelor of Arts in Communication is awarded to communication studies majors who successfully complete the 120 hours prescribed under the communication studies requirements. Students must earn at least a C in all communication studies courses completed for the hours to count toward requirements for the major.

SCHOOL OF COMMUNICATION STUDIES

REVISE COMMUNICATION STUDIES MAJOR

First Year

ENGL 101*, ENGL 102*	6
¹ Quantitative Reasoning*	3
PSYC 110*	3
² Natural Sciences*	8
³ Arts and Humanities Elective*	3
⁴ Social Sciences Elective*	3
¹¹ General Electives	4

Second Year

CMST 201	3
⁵ CMST 210*, CMST 240*, CMST 250	6
HIST 241*, HIST 242* or HIST 261*, HIST 262*	6
MATH 115* or STAT 201*	3
³ Arts and Humanities Elective*	3

⁶ Foreign Language*	6
⁷ Advanced Composition Elective*	3

Third Year

CMST 312, 342	6
CMST 352	3
CMST 356	3
⁸ College Electives	6
⁹ Concentration Electives	6
¹¹ General Electives	6

Fourth Year

¹⁰ CMST 400-level Electives	6
CMST 499	3
⁸ College Electives	6
⁹ Concentration Electives	6
¹¹ General Electives	9

TOTAL HOURS: 120

* Meets University General Education Requirement.

¹ One course from the Quantitative Reasoning (QR) University General Education list.

² Two 4-credit lab sciences (8 hours) from the Natural Sciences (NS) General Education list.

³ Two courses from the Arts and Humanities (AH) University General Education list.

⁴ One course from the Social Sciences (SS) University General Education list.

⁵ Select two of the three speaking-emphasis classes listed.

⁶ Six hours of foreign language (same language) at the intermediate level.

⁷ One course from ENGL 255 or 257, ENGL 295, ENGL 355 or 357, ENGL 360, ENGL 455; JREM 200.

⁸ Four courses (12 hours) 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 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.

¹¹ Any courses not already required for the major.

Formerly:

First Year

CCI 150	3
CMST 201	3
ENGL 101 *, ENGL 102 *	6
1 Quantitative Reasoning Elective*	3
PSYC 110 *	3
2 Natural Sciences*	8
3 Arts and Humanities Elective*	3
General Elective	1

Second Year

CMST 210 * or CMST 240 *	3
CMST 250 or CMST 270	3
4 Social Sciences Elective*	3
5 HIST 241 *, HIST 242 * or HIST 261 *, HIST 262 *	6
MATH 115 * or STAT 201 *	3
3 Arts and Humanities Elective*	3
6 Foreign Language*	6
7 Advanced Composition Elective*	3

Third Year

CMST 300 , CMST 310 , CMST 320 , or CMST 330	3
CMST 340	3
CMST 350	3
8 Communication Studies Electives	6
9 College Elective	3
10 Arts and Sciences Electives	6
General Electives	6

Fourth Year

CMST 499	3
8 Communication Studies Elective	3
10 Arts and Sciences Electives	6
9 College Electives	6

General Electives	12
TOTAL HOURS:	120

REVISE COMMUNICATION STUDIES MAJOR, HONORS CONCENTRATION

- Revise introductory text:
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>.
- Revise bulleted list:
Upon acceptance into the program, students are required to complete the following.
CMST 312
CMST 342
CMST 352
CMST 356
CMST 487
CMST 497
CMST 498
CMST 499
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.

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 the college prerequisite course, CCI 150 ; and CMST 207 , CMST 210 or CMST 240 (or honors equivalents CMST 217 or CMST 247), CMST 250 or CMST 270 , CMST 340 and CMST 350 . 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 are available in the school office, 293 Communications Building, and may be downloaded at <http://www.cci.utk.edu/commstudies>.

Upon acceptance into the program, students are required to complete the following.

- CMST 407 (9 hours to include three of four topics – health communication, interpersonal communication, organizational and team communication, public communication).
- CMST 497 , CMST 498 (3, 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.

REVISE COMMUNICATION STUDIES MINOR

- Revise Prerequisite Section:
 - Drop CCI 150
 - Add CMST 210, 217, 240, or 247
- Revise Required Courses Section:
 - Add CMST 201
 - Add CMST 312 (Interpersonal)
 - Add CMST 342 (Organizational)
 - Add CMST 400-level Electives (select 9 hours)

Formerly:

Prerequisite:

- CCI 150

Select one course:

- CMST 201 or 207

Select 3 hours:

- any 200-level or above CMST course

Select 3 hours:

- any 300-level or above CMST course

Select 6 hours:

- any 400-level CMST courses

SCHOOL OF JOURNALISM AND ELECTRONIC MEDIA

REVISE JOURNALISM AND ELECTRONIC MEDIA MAJOR

First Year

ENGL 101* and 102*	6
JREM 175	3
PSYC 110*	3
¹ Natural Science Electives*	6-8
² Quantitative Reasoning Electives*	6-8
JREM 200*	3
POLS 102*	3

Second Year

JREM 230	3
JREM 250	3
³ Intermediate Foreign Language*	6
ECON 201*	4
⁴ English Literature Electives*	6
⁵ Cultural Studies Electives*	6
CMST 210* or 240*	3

Third Year

JREM 466	3
⁶ JREM Electives	6
⁷ College Elective	3
⁸ Arts and Sciences Electives	6
⁹ Political Science Elective	3
¹⁰ General Electives	6

Fourth Year

JREM 400	3
JREM 492	1
JREM 499	3
⁶ JREM Electives	6
⁷ College Elective	3
⁸ Arts and Sciences Electives	9
¹⁰ General Electives	3-7

TOTAL HOURS: 120

*Meets University General Education Requirement.

¹This requirement is met by taking any two courses from Anthropology 110 or 117; Astronomy 151 or 161 or 217, 152, 162 or 218; Biology 101,102, 111, 112, 130, 140, 157; Chemistry 100, 110, 120 or 128, 130 or 138; Geography 131, 132; Geology 101 or 107, 102 or 108, 103, 201, 202 or 208, 203, 205, or 207; Microbiology 210; Physics 101, 102. At least one course must have a laboratory.²Two courses from Mathematics 113 or 117, 115, 123, 125, 141 or 147, 142 or 148, 151, 152; STAT 201 or 207.³Six hours of intermediate foreign language (same language).⁴Two courses from ENGL 201 or 207, 202 or 208, 206, 221, 222, 225, 226, 231 or 237, 232 or 238, 233, 251, 252, 253, 254.⁵Two courses from Africana Studies 235, 236; Anthropology 120 or 127; History 241 or 247, 242 or 248, 255, 256, 261 or 267, 262 or 268; Medieval Studies 201, 202.⁶Four courses selected in consultation with faculty adviser. Students are encouraged to select courses from a specialty area including sports journalism, science journalism, media management, print/web journalism, broadcast journalism, visual communication, and magazine journalism.⁷6 hours in the College of Communication and Information, including Journalism and Electronic Media.⁸15 hours in the College of Arts and Sciences.⁹Any upper-division political science course.¹⁰Any course not taught in journalism and electronic media, advertising, or public relations.

Formerly:

First Year

ENGL 101 *, ENGL 102 *	6
CCI 150	3
¹ Intermediate Foreign Language*	6
PSYC 110 *	3
² Natural Sciences Electives*	7-8
³ Quantitative Reasoning Electives*	6-8

Second Year

JREM 200 *	3
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JREM 275	3
POLS 102 *	3
ECON 201 *	4
⁴ Cultural Studies Electives*	6
CMST 210 * or CMST 240 *	3
⁵ English Literature Electives*	6
⁶ Arts and Sciences Elective	3
Third Year	
JREM 457 or JREM 465	3
⁷ Journalism and Electronic Media Track	6
⁸ Journalism and Electronic Media Elective	3
JREM 367	3
⁹ Political Science Elective	3
⁶ Arts and Sciences Electives	6
¹⁰ General Electives	6
Fourth Year	
JREM 400	3
¹¹ College Elective	3
JREM 492	1
⁷ Journalism and Electronic Media Track	6
⁸ Journalism and Electronic Media Elective (Upper-Level)	3
⁶ Arts and Sciences Electives	6
¹⁰ General Electives	3-6
TOTAL HOURS:	120

REVISE JOURNALISM AND ELECTRONIC MEDIA MINOR

Revise to:

The minor consists of 18 hours.

JREM 175
 JREM 200
 JREM 230
 JREM 250
 JREM 400
 JREM 466

Formerly:

The minor consists of **18 hours**.

Prerequisite:

- CCI 150 - Communication in an Information Age

Complete:

- JREM 200 - Introduction to News Writing

Select one course:

- JREM 275 or 333

Select 3 hours:

- any JREM elective

Select 6 hours:

- 300-400 level JREM electives

COLLEGE OF EDUCATION, HEALTH, AND HUMAN SCIENCES

All changes effective Fall 2010

INFORMATIONAL ITEMS

ADD HONORS STATEMENT TO STUDENT RECORD

The College of Education, Health and Human Sciences requests the addition of a statement in the comment field of the academic history/transcript for students completing the Service Learning Honors Program (the college-wide honors program). The College of Education, Health and Human Sciences will send to the Registrar's Office a memo indicating all graduating students who successfully complete the program and request that the notation be entered on each program completer's academic history/transcript.

◆ ADD INTEREST MAJOR CODE

Recreation and Sport Management Interest (code K845)

I: COURSE CHANGES

DEPARTMENT OF CHILD AND FAMILY STUDIES

(245) (CFS) Child and Family Studies

DROP

101 Introduction to Child and Family Studies (2)

DROP (RE) PREREQUISITE

*405 Development of Professional Skills (3)

Formerly: (RE) Prerequisites(s): 220.

DROP (RE) PREREQUISITE AND ADD REGISTRATION RESTRICTION

395 Introduction to Research Methods and Statistics (3)

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

Formerly: (RE) Prerequisites(s): 220.

REVISE CREDIT HOURS

480 Practicum: Community Placement (12)

Formerly: 9-12

DEPARTMENT OF EXERCISE, SPORT, AND LEISURE STUDIES

DROP DEPARTMENT OF EXERCISE, SPORT, & LEISURE STUDIES (DEPT NAME CHANGE)

ADD DEPARTMENT OF KINESIOLOGY, RECREATION, AND SPORT STUDIES (DEPT NAME CHANGE)

Equivalency Table

Current Department	Equivalent Department Fall 2010
(350) (ESLS) Exercise, Sport, and Leisure Studies	(588) (KRSS) Kinesiology, Recreation, and Sport Studies

(274) (DANC) Dance

DROP ACADEMIC DISCIPLINE AND ALL COURSES

101 Practicum: Dance Production (1)
201 Practicum: Dance Production (1-2)
210 Ballet: Level I (2)
220 Jazz: Level I (2)
230 Modern: Level I (2)
240 Tap: Level I (2)
310 Ballet: Level II (2)
320 Jazz: Level II (2)
330 Modern: Level II (2)
340 Tap: Level II (2)
380 Special Topics (1-3)
410 Ballet: Level III (2)
415 Teaching Creative Dance for Children (2)
420 Jazz: Level III (2)
430 Modern: Level III (2)
440 Composition I (2)
445 Composition II (2)
480 Dance History through the 19th Century (3)
490 Dance in the 20th Century (3)
493 Directed Independent Studies (1-3)
495 Dance Pedagogy (3)

(347) (EXSC) Exercise Science

DROP ACADEMIC DISCIPLINE AND COURSES (MOVING TO KINESIOLOGY ACADEMIC DISCIPLINE)

100 Orientation to Exercise Science (1)
260 Exercise Science Practicum (1)
325 Athletic Training Techniques (3)
332 Applied Anatomy (3)
350 Physical Activity Epidemiology (3)
370 Aging and Physical Activity (3)
380 Special Topics (1-3)
414 Fitness Testing and Exercise Prescription (3)
422 Biomechanics of Human Movement (3)
426 Exercise Science Practicum II (1-6)
440 Strength and Conditioning Programs (3)
†480 Physiology of Exercise (3) (*Same as BCMB 480*)
490 Exercise Physiology/Fitness Internship (12-15)
493 Directed Independent Studies (1-3)
497 Honors Research Project (3-6)

(959) (SPST) Sport Studies

DROP ALL COURSES (MOVING TO KINESIOLOGY ACAD DISC; KEEPING SPST ACAD DISC AT GRAD LEVEL)

231 Introduction to Sport Psychology (3)
290 Principles of Movement Control and Skill Learning (3)
490 Psychology of Coaching (3)

(590) (KNS) Kinesiology

ADD ACADEMIC DISCIPLINE AND COURSES (MOVING FROM EXERCISE SCIENCE AND SPORT STUDIES ACADEMIC DISCIPLINES)

100 Introduction to Kinesiology (1) Overview of discipline and professional areas for incoming kinesiology majors. Must be taken prior to admission to the kinesiology major.

231 Introduction to Sport Psychology (3) Introduction to the psychology of sport and exercise. Includes the scientific study of people and their behaviors in these contexts and the practical application of that knowledge. Topics include personality, motivation, anxiety, competition and cooperation, group and team dynamics, leadership, goal-setting, self-confidence, injury, moral and ethical considerations, and unhealthy behaviors.

260 Practicum in Kinesiology I (1) First practicum experience to support and clarify career goals.

Grading Restriction: Satisfactory/No Credit grading only.

(RE) Prerequisite(s): 100.

290 Principles of Movement Control & Skill Learning (3) Theories and principles explaining the performance and learning of skilled actions. Emphasis placed on the consideration of how factors related to the learner, the task, and the performance context influence instructional decisions.

Registration Restriction(s): Minimum student level – sophomore; Kinesiology, or Recreation and Sport Management majors.

332 Applied Anatomy (3) Structure and roles of bones, joints, and muscles in human movement and exercise. Related biomechanical principles.

335 Athletic Training Techniques (3) Prevention of athletic injuries through sound conditioning programs and practices. Recognition and immediate treatment of injuries.

(RE) Prerequisite(s): 332.

Registration Restriction(s): Kinesiology or Recreation and Sport Management major.

350 Physical Activity Epidemiology (3) Epidemiological examination of the relationship of physical activity with the morbidity and mortality of chronic disease and related risk factors.

370 Aging and Physical Activity (3) Examines the biological, social, and behavioral aspects of exercise and physical activity in older adults in order to develop programs for older adults to improve and/or maintain functional status. Methods of measuring physical activity and assessing functional status for older adults are also considered and practiced. The course provides a foundation for working with older adults in programs and sites for exercise and/or physical activity.

380 Special Topics (1-3) Study in selected disciplinary or professional areas of kinesiology.

Repeatability: May be repeated. Maximum 6 hours.

414 Fitness Testing and Exercise Prescription (3) Relationship of exercise to cardio-respiratory function, body composition, strength and flexibility. Measurement and evaluation of fitness in normal populations.

Contact Hour Distribution: 2 lectures and 1 lab.

(RE) Prerequisite(s): Biochemistry and Cellular and Molecular Biology 230.

Registration Restriction(s): 2.50 GPA.

422 Biomechanics of Human Movement (3) Study of biomechanics and its application to the analysis of human movement. Emphasis on quantitative and qualitative analysis of human movement.

(RE) Prerequisite(s): 332 and Physics 221.

Registration Restriction(s): 2.50 GPA.

426 Practicum in Kinesiology II (1-6) Supervised experience in exercise/fitness areas.

Grading Restriction: Satisfactory/No Credit grading only.

Repeatability: May be repeated. Maximum 10 hours.

Registration Restriction(s): Kinesiology major; 2.50 GPA.

440 Strength and Conditioning Programs (3) Covers scientific and practical foundations of strength and conditioning programs and program design applied to healthy adults, athletes, youth and older adults. Provides teaching experiences with young adults and requires the development of educational materials. This course is designed to prepare students for nationally recognized strength and conditioning certification exams.

(RE) Prerequisite(s): Physical Education 252.

Registration Restriction(s): Kinesiology major; 2.50 GPA.

450 Internship in Kinesiology (12-15) Full-time practicum in exercise/fitness at approved agency.

Grading Restriction: Satisfactory/No Credit grading only.

Repeatability: Not repeatable for credit. May be taken once for 12-15 hours.

(RE) Prerequisite(s): 414 and 422.

(DE) Prerequisite(s): 426 and 480.

Registration Restriction(s): Kinesiology major; 2.50 GPA.

Registration Permission: Consent of instructor.

480 Physiology of Exercise (3) Lecture and laboratory class dealing with functions of the body in muscular work. Topics include physiological aspects of fatigue, training, and adaptation to environment.

Contact Hour Distribution: 2 lectures and 1 lab.

(RE) Prerequisite(s): Biochemistry and Cellular Molecular Biology 230 or 440.

Registration Restriction(s): 2.50 GPA.

490 Psychology of Coaching (3) Major topics and theories dealing with the social-psychological factors affecting the performance of athletes and teams, with practical suggestions for enhancing the effectiveness of teachers and coaches.

493 Directed Independent Studies (1-3) Independent study in a specialized area with kinesiology.

Repeatability: May be repeated. Maximum 9 hours.

Registration Restriction(s): Kinesiology majors; 2.50 GPA.

Registration Permission(s): Consent of instructor.

497 Honors Research Project (3-6) Senior research project done under supervision of a faculty member. Includes design of research project, writing proposal for institutional review board approval, data collection and analysis, and presentation of results. Project should be approved with two semesters of study remaining.

Repeatability: Not repeatable for credit. May be taken once for 3-6 hours.

Registration Restriction(s): Kinesiology major; minimum student level – senior.

Equivalency Table

Current Courses (347) (EXSC) Exercise Science	Equivalent Courses Fall 2010 (590) (KNS) Kinesiology
100	100
260	260
332	332
325	335
350	350
370	370
380	380
414	414
422	422
426	426
440	440
490	450
480	480
493	493
497	497
Current Courses (959) (SPST) Sport Studies	Equivalent Courses Fall 2010 (590) (KNS) Kinesiology
231	231
290	290
490	490

(764) (PYED) Physical Education

DROP ACADEMIC DISCIPLINE AND COURSES FROM EXERCISE, SPORT, & LEISURE STUDIES DEPT (MOVING TO KINESIOLOGY, RECREATION, & SPORT STUDIES DEPT)

200 Special Topics

202 Badminton

206 Bowling

211 Golf

213 Ice Skating

216 Martial Arts (Special Topics)

224 Physical Fitness: Conditioning

225 Physical Fitness: Exercise to Music

226 Exercise and Weight Control

229 Physical Fitness: Jogging

230 Physical Fitness: Swimming

231 Physical Fitness: Walking

232 Racquetball I

234 Soccer

235 Social Dance

236 Softball

237 Stress Management

239 Beginning Swimming

240 Intermediate Swimming

244 Tennis I

245 Tennis II

251 Volleyball

252 Weight Training

254 Yoga and Relaxation

255 Water Safety Instructor

256 Lifeguarding Training

259 Snow Skiing
261 Scuba Diving
262 Snowboarding

ADD ACADEMIC DISCIPLINE AND COURSES TO KINESIOLOGY, RECREATION, & SPORT STUDIES DEPT
(MOVING FROM EXERCISE, SPORT, & LEISURE STUDIES DEPT)

200 Special Topics
202 Badminton
206 Bowling
211 Golf
213 Ice Skating
216 Martial Arts (Special Topics)
224 Physical Fitness: Conditioning
225 Physical Fitness: Exercise to Music
226 Exercise and Weight Control
229 Physical Fitness: Jogging
230 Physical Fitness: Swimming
231 Physical Fitness: Walking
232 Racquetball I
234 Soccer
235 Social Dance
236 Softball
237 Stress Management
239 Beginning Swimming
240 Intermediate Swimming
244 Tennis I
245 Tennis II
251 Volleyball
252 Weight Training
254 Yoga and Relaxation
255 Water Safety Instructor
256 Lifeguarding Training
259 Snow Skiing
261 Scuba Diving
262 Snowboarding

REVISE TITLE AND CREDIT HOURS

200 Special Topics I (1)
Formerly: Special Topics (1-2)

ADD

201 Special Topics II (2) Selected topics in various activities.

242 Outdoor Activity (1) Various outdoor activities such as rock climbing, mountain biking, road biking or ropes course.
Grading Restriction(s): Satisfaction/No Credit only.
Repeatability: May be repeated. Maximum 3 hours when topic is different.

243 Rape Aggression Defense (1) Rape aggression defense course taught by the UT Police Department.

(853) (RELS) Recreation and Leisure Studies

DROP

390 Practicum in Recreation and Leisure Studies (2)
410 Management Concepts of Recreation, Leisure, and Sport Programs (3)
440 Dimensions of Commercial Recreation and Leisure Enterprises (3)
470 Tourism and Leisure Industries (3)

DROP ACADEMIC DISCIPLINE AND COURSES (MOVING TO RECREATION & SPORT MANAGEMENT ACADEMIC DISCIPLINE)

100 Orientation to Recreation and Leisure Studies (1)
201 Foundations of Recreation and Leisure and Principles of Leadership (4)
290 Practicum in Recreation and Leisure Studies (2)
310 Development and Evaluation of Recreation and Leisure Programs (3)
320 Therapeutic Recreation and Special Populations (3)
325 Therapeutic Recreation and Lifestyle Planning (3)
415 Development of Recreation and Leisure, and Athletic Facilities (3)
420 Principles of Therapeutic Recreation (3)
425 Therapeutic Recreation Programming (3)
430 Organization and Administration of Leisure Services (3)
450 Special Topics in Recreation and Leisure Studies (1-6)
490 Internship in Recreation and Leisure Studies (12)
493 Directed Independent Study in Recreation and Leisure Studies (1-3)

(957) (SPMG) Sport Management

DROP ACADEMIC DISCIPLINE AND COURSES (MOVING TO RECREATION AND SPORT MANAGEMENT ACADEMIC DISCIPLINE)

100 Orientation to Sport Management (1)
250 Foundations of Sport Management (3)
290 Practicum I (3)
330 Sport Communication (3)
340 Sport Finance (3)
350 Sport Management: Theory to Practice (3)
360 Sport Governance (3)
370 Event Management (3)
380 Special Topics (1-3)
390 Practicum II (3)
420 Intercollegiate Athletics (3)
440 Sport Marketing (3)
450 Legal Aspects of Sport (3)
460 Development and Revenue Generation in Sport (3)
490 Sport Management Internship (6-12)
493 Directed Independent Studies (1-3)

(959) (SPST) Sport Studies

DROP ALL COURSES (MOVING TO RECREATION & SPORT MGT ACAD DISC; KEEPING SPST ACAD DISC AT GRAD LEVEL)

335 Socio-Cultural Foundations of Sport and Leisure (3)
336 Social Issues in Sport (3)
380 Special Topics: (1-3)
493 Directed Independent Studies (1-3)

(850) (RSM) Recreation and Sport Management

ADD ACADEMIC DISCIPLINE AND COURSES (MOVING FROM EXERCISE SCIENCE, SPORT MANAGEMENT, AND SPORT STUDIES ACADEMIC DISCIPLINES)

100 Orientation to Recreation and Sport Management (1) Overview of recreation and sport industries.

201 Foundations of Recreation and Principles of Leadership (4) Introduction to the recreation profession focusing on understanding concepts, philosophy, career opportunities, and professional practices in recreation service industries. Required lab focuses on application and practice of theories of leadership.

(RE) Prerequisite(s): 100.

250 Foundations of Sport Management (3) Introduction to the sport and recreation industries focusing on the business aspects of the industries, career opportunities, and professional practices.

(RE) Prerequisite(s): 100.

290 Practicum I (3) Supervised part-time field experience (minimum of 120 clock hours) at an approved site.

Grading Restriction: Satisfactory/No Credit grading only.

Registration Restriction(s): Recreation and Sport Management major; minimum 2.5 GPA.

310 Development and Evaluation of Recreation and Sport Programs (3) Essential elements and principles in the organization, administration, marketing, and evaluation of various types of recreation and sport programs. Emphasis on development of program objectives and outcomes.

Registration Restriction(s): Recreation and Sport Management major.

320 Therapeutic Recreation and Special Populations (3) Principles, concepts, historical development of therapeutic recreation for special populations. Discussion and explanation of legislation, attitudes, and barriers to participation, inclusion and advocacy as related to recreation fulfillment. Discussion of various disabilities, illnesses, and conditions that impact one's lifestyle.

(RE) Prerequisite(s): 290 or consent of instructor.

325 Therapeutic Recreation and Lifestyle Planning (3) Emphasis on how therapeutic recreation specialists can use the application of healthy lifestyle principles as a treatment modality. Importance and role of recreation participation in the planning and delivery of therapeutic recreation service for individuals with disabilities. Introduction to specific facilitation techniques, e.g. values clarification, etc., that may be applicable to therapeutic recreation.

Registration Restriction(s): Recreation and Sport Management major or consent of Instructor.

330 Sport Communication (3) An introduction to the communication industry and its relationship with sport. Students will explore cultural issues, such as gender and ethnicity, and their relationship to sport and media. The course will also provide students opportunities to develop practical communication skills and learn how media and sport interact.

Registration Restriction(s): Recreation and Sport Management major.

335 Socio-Cultural Foundations of Sport and Recreation (3) An overview of the sociological, historical, and philosophical foundations of sport recreation in American society. Various forms of sport and recreation are explored within a social justice framework based on a cultural studies perspective. Students explore sport and recreation as global phenomena in social, historical, and philosophical contexts.

336 Social Issues in Sport (3) An exploration of power relations and cultural ideologies as they impact participation opportunities in sport. Students use in-depth critical thinking analysis to identify and explore social justice issues linked to the major spheres of social life. In addition, moral decision-making and ethical dilemmas in sport, recreation, and exercise are addressed.

340 Financial Aspects of Sport (3) This course enables students to understand the importance of budgeting and finance in the sports industry. Students will understand how financing works in the sports industry and how corporations are valued. Students will also be introduced to the basic fundamentals of investing and accounting and how they relate to the sports industry.

Registration Restriction(s): Recreation and Sport Management major.

350 Sport Management: Theory to Practice (3) Overview of managerial theories and applications including responsibilities and practices associated with broad perspectives of sport enterprise.

Registration Restriction(s): Recreation and Sport Management major.

360 Sport Governance (3) Focus on the organizational structure, authority, and functions of governing bodies.

Registration Restriction(s): Recreation and Sport Management major.

370 Event Management (3) Study of the various principles involved in the organization and management of events. Students will combine theory and practice through experience with assigned events.

Registration Restriction(s): Recreation and Sport Management major or Kinesiology major.

380 Special Topics (1-3) Study in selected disciplinary or professional areas of recreation and sport management.

Repeatability: May be repeated if topic differs. Maximum 12 hours.

Registration Restriction(s): Recreation and Sport Management major.

390 Practicum II (3) Supervised part-time field experience (minimum of 120 clock hours) at an approved site.

Grading Restriction: Satisfactory/No Credit grading only.

(RE) Prerequisite(s): 290.

Registration Restriction(s): Recreation and Sport Management major; minimum 2.5 GPA.

410 Intercollegiate Athletics (3) An overview of all levels of intercollegiate athletics and issues associated with intercollegiate athletics.

Registration Restriction(s): Recreation and Sport Management major.

415 Facility Planning and Development (3) Principles of designing, planning, equipping, and operating various facilities. Elements of risk management and safety are incorporated into the design process.

Registration Restriction(s): Recreation and Sport Management major or Kinesiology major

420 Principles of Therapeutic Recreation (3) Principles and practices in therapeutic recreation, including activity analysis, activity and program selection. Also, individual and program assessment, developing treatment plans, proper documentation and professional issues will be discussed.

Prerequisite(s): 320.

Registration Restriction(s): Recreation and Sport Management major or consent of instructor.

425 Therapeutic Recreation Programming (3) Principles and practices of therapeutic recreation programming for individuals with multiple disabilities. Focus is on the social, interpersonal, and behavioral aspects of working with children and young adults with disabilities in recreational environments.

Contact Hour Distribution: Includes lab.

430 Organization and Administration of Recreation Services (3) Principles of administration applied to provision of recreation services offered by public, private, non-profit, and/or commercial enterprises. Organizational structures, human resource management, diversity, evaluation, legal authority, introduction to budgeting and fiscal procedures, professional responsibility, and career management.

Registration Restriction(s): Recreation and Sport Management major.

440 Sport Marketing (3) Application of fundamental marketing concepts to the sport and recreation industries. Marketing research, promotions, fund raising, advertising, and assessment of marketing programs will be covered.

(RE) Prerequisite(s): Marketing 300.

Registration Restriction(s): Recreation and Sport Management major.

450 Legal Aspects of Sport (3) Identification and application of various areas of law to the sport and recreation industry. Includes how constitutional law, contract law, anti-trust law, and tort law impact decisions.

Registration Restriction(s): Recreation and Sport Management major.

460 Development and Revenue Generation (3) Designed to provide overview of theories, strategies, and techniques used in the production of revenue for recreation and sport organizations. Emphasis on developing balanced, multifaceted programs that target a variety of constituencies.

Registration Restriction(s): Recreation and Sport Management major.

490 Internship (6 or 12) Supervised work experience at an approved site offering. Emphasis on managerial tasks and administrative procedures.

Grading Restriction: Satisfactory/No Credit grading only.

Repeatability: May be repeated. Maximum 12 hours.

(RE) Prerequisite(s): 390.

Comment(s): Enrollment for 2 semesters (6 hours each) or 1 semester (12 hours). Total of 12 hours required.

Registration Restriction(s): Recreation and Sport Management major; minimum 2.5 GPA; minimum student level — senior.

493 Independent Study (1-3) Independent study in a specialized area of recreation or sport management under the direction of a faculty member. Independent study project must be approved by a faculty member.

Repeatability: May be repeated. Maximum 9 hours.

Registration Restriction(s): Recreation and Sport Management major.

Current Courses (853) (RELS) Recreation and Leisure Studies	Equivalent Courses Fall 2010 (850) (RSM) Recreation and Sport Management
100	100
201	201
290	290
310	310
320	320
325	325
415	415
420	420
425	425
430	430
450	380
490	490
493	493
Current Courses (957) (SPMG) Sport Management	Equivalent Courses Fall 2010 (850) (RSM) Recreation and Sport Management
100	100
250	250
290	290
330	330
340	340
350	350
360	360
370	370
380	380
390	390

420	410
440	440
450	450
460	460
490	490
493	493
Current Courses (959) (SPST) Sport Studies	Equivalent Courses Fall 2010 (850) (RSM) Recreation and Sport Management
335	335
336	336
380	380
493	493

ADD (BRAND NEW COURSES)

337 Women in Sport: An International Perspective (3) The purpose of this course is to examine women's sport throughout the world. Within a social justice framework, it explores theories of globalization in relation to women's sport experiences. Students will gain a better understanding of the similarities and differences of sport for women, and the role of women in sport, in a variety of countries.

338 Applied Ethics in Recreation and Sport (3) An examination of ethical issues in recreation, sport, and physical activity designed to help students to explore their own values and to apply critical thinking skills in recreation and sport professions.

Registration Restriction(s): Recreation and Sport Management or Kinesiology major.

405 Therapeutic Recreation in Public Schools (3) Concepts and techniques of working with children with disabilities in the public schools in Knox and Sevier County Special Education Classes. Students will gain an 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 the school setting.

Registration Restriction(s): Recreation and Sport Management major.

435 Adventure Recreation Ropes Course (1) Prepares students to become facilitators for therapeutic recreation ropes course participants. Students will learn to lead initiative activities and practice skills required to participate in a ropes course. Students will develop an understanding of the philosophy and purpose of ropes course participation as advocated by Project Adventure, and others, and as adapted to therapeutic recreation.

Registration Restriction(s): Recreation and Sport Management major.

DEPARTMENT OF NUTRITION**(449) (HLTH) Health**

DROP ACADEMIC DISCIPLINE AND COURSES

110 Personal Health and Wellness (3)

200 Seminar in Human Sexuality (2)

225 Alcohol/Drugs and the College Student (2)

300 Health Education, Promotion, and Behavior (3)

306 Health Instruction in Elementary Grades (3)

330 Wellness For Health Professions (3)

375 Health Communications (3)

†**400 Consumer Health (3)** *(Same as Public Health 400)*

404 Alcoholism and Alcohol Education (3)

†**406 Death, Dying, and Bereavement (3)** *(Same as Safety 506)*

420 Sex Education as it Relates to Human Sexuality (3)

†**425 Women's Health (3)** *(Same as Women's Studies 425)*

426 Health Education Program Planning (3)

435 Substance Use and Abuse (3)

465 Aging and Health (3)

470 Special Topics (1-3)

475 Directed Independent Studies (1-3)

483 Field Practice (12)

DROP (MOVING TO PUBLIC HEALTH ACADEMIC DISCIPLINE)

305 Health of Adolescents (3)
310 Advanced First Aid and Emergency Care (3)
430 Suicide and Crisis Intervention (3)

(726) (NUTR) Nutrition

ADD REGISTRATION RESTRICTION

NUTR 303 - Foodservice Systems Management
Registration Restriction(s): Nutrition majors only.

***NUTR 412 - Food and Nutrition in the Community**
Registration Restriction(s): Nutrition majors only.

NUTR 415 - Clinical Nutrition I (3)
Registration Restriction(s): Nutrition majors only.

NUTR 416 - Clinical Nutrition II
Registration Restriction(s): Nutrition majors only.

NUTR 420 - Interpreting Current Nutrition Research
Registration Restriction(s): Nutrition majors only.

NUTR 422 - Nutrition Counseling
Registration Restriction(s): Nutrition majors only.

NUTR 423 - Nutrition Counseling Application
Registration Restriction(s): Nutrition majors only.

REVISE REGISTRATION RESTRICTION

NUTR 410 - Professional Issues in Dietetics
Registration Restriction(s): Minimum student level — senior. Nutrition majors only.
Formerly: Registration Restriction(s): Minimum student level — senior.

(839) (PUBH) Public Health

DROP ACADEMIC DISCIPLINE AND COURSES (MOVING FROM NUTRITION DEPT TO NEW DEPARTMENT OF PUBLIC HEALTH)

300 Introduction to Public Health
305 Disease Epidemiology, Prevention, and Control
493 Directed Independent Study

(890) (SAFE) Safety

DROP ACADEMIC DISCIPLINE AND ALL COURSES

443 Sports and Recreational Safety (3)
452 Safety Principles and Practices (3)

DEPARTMENT OF PUBLIC HEALTH

ADD NEW DEPARTMENT OF PUBLIC HEALTH (DEPT CODE 839/PUBH)

(839) (PUBH) Public Health

ADD ACADEMIC DISCIPLINE AND COURSES (MOVING FROM NUTRITION DEPT TO NEW DEPARTMENT OF PUBLIC HEALTH)

300 Introduction to Public Health
305 Disease Epidemiology, Prevention, and Control

493 Directed Independent Study

ADD (MOVING FROM HEALTH ACADEMIC DISCIPLINE)

311 Advanced First Aid and Emergency Care (3) Theory and practice of first aid and emergency care. Provides essential information for developing functional first aid capabilities of lay persons. Course leads to advanced first aid and emergency care certification. Applicant must be at least 18 years old for certification.

315 Health of Adolescents (3) Profile of health needs, interests, and behaviors of adolescents and attention to the roles and functions of practitioners relating to youth and youth culture.

430 Suicide and Crisis Intervention (3) Factors which make suicide a serious health problem. Assessment, intervention, and prevention techniques.

Equivalency Table

Current Courses (449) (HLTH) Health	Equivalent Courses Fall 2010 (839) (PUBH) Public Health
305	315
310	311
430	430

ADD

495 Special Topics (1-3) Topics in Public Health

DEPARTMENT OF THEORY & PRACTICE IN TEACHER EDUCATION**(289) (EDUC) Education**

REVISE CREDIT HOURS, REVISE DESCRIPTION, REVISE REPEATABILITY, & ADD COMMENT

100 Special Topics (1) Introductory course for students interested in pursuing careers in education. Course is designed to provide students with service learning experiences in conjunction with school-based placements. Service learning projects will engage students in the application of new knowledge and skills through projects related to educating youth.
Repeatability: May be repeated with permission. Maximum 2 hours.

Comment: Restricted to students seeking admission to teacher licensure programs.

Formerly: (1-3) Study in selected disciplinary or professional areas represented in the College of Education, Health, and Human Sciences. Topics to be determined as needs/issues are identified and as resources are available to support the course.

Repeatability: May be repeated. Maximum 3 hours.

(932) (SPED) Special Education

REVISE TITLE, REVISE DESCRIPTION, DROP (RE) PREREQUISITE, DROP (RE) COREQUISITE, ADD REPEATABILITY, AND ADD REGISTRATION PERMISSION

431 Advanced Field Experience in Special Education Program (3) Advanced practicum in teaching special education programs. Planning, developing, implementing, and evaluating instruction.

Repeatability: May be repeated. Maximum 15 hours.

Registration Permission: Consent of instructor.

Formerly: Field Experience in Comprehensive Programs (3) On-site teaching experience with moderately and severely handicapped children and youth.

(RE) Prerequisite(s): 402.

(RE) Corequisite(s): 432.

REVISE DESCRIPTION

456 Effective Instruction of Students with Learning Disabilities and Other High Incidence Disabilities. (3) Determining and implementing best practices in instruction, both remediation and accommodation strategies, for students with learning disabilities. Emphasis is placed on language-based disabilities, dyslexia, math disabilities, comorbid disorders such as Attention Deficit Hyperactivity Disorder, and Asperger's Syndrome. Assessment of cognitive and academic skills and response to intervention (RTI) are addressed.

Formerly: Normal communication development. Understanding of speech and language impairments in school-age students. Integration of oral/written communication skills into existing curriculum, especially for high incidence special education students.

REVISE TITLE AND DESCRIPTION

459 Physical and Health Impairments: Educational Implications (3) The impact of neuromotor, orthopedic, and musculoskeletal impairments, degenerative and terminal conditions, health impairments including infectious diseases, and sensory losses on student learning. Adaptations and teaching strategies for meeting the needs of students with physical and health impairments in general and special education contexts.

Formerly: Neuromuscular and Health Disorders: Educational Implications (3) Neurological impairments, physical disabilities and special health conditions, autism. Investigation of instructional techniques and adaptations.

REVISE CREDIT HOURS, REVISE DESCRIPTION, AND ADD REGISTRATION PERMISSION

472 Field Experience in Early Childhood Special Education (3-15) Practicum in educational settings serving young children with disabilities. Provides experience in assessment, curriculum planning and teaching.

Registration Permission: Consent of instructor.

Formerly: (2-5) Placement in educational settings serving young children with special needs. Provides experience in assessment, curriculum planning and teaching.

(978) (TPTE) Theory & Practice in Teacher Education

ADD

442 Integrated Middle Grades Methods (3) Activities in this class are intended to promote the professional growth of pre-service and in-service middle grades teachers through the study, design, and implementation of curriculum, instruction, and assessment strategies. In particular, methods of integrating language arts, mathematics, science, and social science content in grades 4-8 will be explored.

Registration Restriction(s): Admission to Teacher Education.

II. PROGRAM CHANGES

DEPARTMENT OF CHILD & FAMILY STUDIES

REVISE CHILD AND FAMILY STUDIES MAJOR (DELETE CFS 101)

- Drop CFS 101 from first year (-2 hours)

REVISE CHILD AND FAMILY STUDIES MINOR

Required Courses

- Drop CFS 211 and 213
- Add CFS 210

Select 9 hours from:

- Revise 9 hours to 12 hours
- Add CFS 497

DEPARTMENT OF KINESIOLOGY, RECREATION, AND SPORT STUDIES

◆ DROP EXERCISE SCIENCE MAJOR (MOVING TO KINESIOLOGY)

◆ DROP RECREATION & LEISURE STUDIES MAJOR, BOTH CONCENTRATIONS (MOVING TO RECREATION & SPORT MGT)

◆ DROP SPORT MANAGEMENT MAJOR (MOVING TO RECREATION & SPORT MGT)

◆ ADD KINESIOLOGY MAJOR, BS IN EDUCATION (MOVING FROM EXERCISE SCIENCE)

The Kinesiology major prepares students for a variety of careers in health-related fitness and for graduate or professional study in medicine, allied health professions (including physical therapy), and various fields within kinesiology (exercise physiology, biomechanics, sport psychology, etc.).

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 Kinesiology 100, Chemistry 120, and Physics 221.

Students must be admitted to the kinesiology major prior to the completion of 75 hours of coursework. Only in exceptional circumstances will students be admitted to the major if more than 75 hours of college coursework have been completed,

either at the University of Tennessee or elsewhere. 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 with a Kinesiology faculty member.

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 Biochemistry and Cellular and Molecular Biology 230, all kinesiology courses, and all professional electives. Students admitted into the kinesiology major must have a cumulative GPA of 2.5 to register for all 400-level kinesiology classes.

Serviced Learning Honors Program

Kinesiology majors have the opportunity to participate in the college's Service Learning Honors Program. For eligibility and requirements, see Service Learning Honors Program.

First Year	Hours Credit
Kinesiology 100.....	1
English 101*, 102*	6
Mathematics 123*-125* or 141*-142* or 151*-152*	6-8
Chemistry 120*, 130*	8
Psychology 110*	3
¹ General Electives	3
² Arts and Humanities Elective*	3
 Second Year	
Physics 221*, 222*	8
Biochemistry and Cellular and Molecular Biology 230.....	5
Nutrition 100*	3
³ Physical Education Activity Program Electives	2
Communication Studies 210* or 240*	3
English 295* or 360*	3
² Cultures and Civilizations Elective*	3
² Arts and Humanities Elective*	3
 Third Year	
Kinesiology 260, 332, 335, 350	10
⁴ Departmental Electives	6
² Cultures and Civilizations Elective*	3
² Social Science Elective*	3
³ Physical Education Activity Program Electives	2
⁵ Professional Electives	6
 Fourth Year	
⁶ Kinesiology 414, 422, 480	9
Statistics 201* or Mathematics 115*	3
¹ General Electives	6
⁵ Professional Electives	9
⁴ Departmental Elective	3
 Total	 120-122

* Meets University General Education requirement.

¹ Classes that do not count in other areas of the Kinesiology curriculum can be counted as General Electives.

² Select courses from the University General Education list.

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 Select courses from KNS 231, 290, 370, 380, 426, 440, 450, 490, 493 or 497; RSM 320, 335, 336, 370, 415, 425, 450.

⁵ Select courses from KNS 231, 290, 370, 380, 426, 440, 450, 490, 493, 497; RSM 320, 335, 336, 370, 415, 425, 450; ACCT 200; ANTH 480; any BCMB course; BIOL 101, 102, 130, 140; BUAD 201; CFS 210; CHEM 350, 358, 360, 368, 369; CLAS 273; CMST 425; COSC 100; ECON 201; EEB 240; EDPY 460; FINC 300; PUBH 300, 305, 310; MARK 300; MICR 210; MGT 300; NURS 351; NUTR 302; PHIL 243, 246; PSYC 210, 220, 300, 310, 320, 330, 360, 382, 400, 410, 430, 431, 434, 435, 440, 461, 470, 475, 480, 482, 496; 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 your assigned kinesiology faculty advisor. Check with your advisor prior to taking the course. Courses selected as professional electives cannot be used to fulfill additional requirements in the program.

⁶ Kinesiology students must have cumulative minimum GPA of 2.5 to register for these courses.

◆ ADD RECREATION & SPORT MANAGEMENT MAJOR, SPORT MANAGEMENT CONCENTRATION

The Recreation and Sport Management major with a concentration in Sport Management prepares students interested in working in the sport industry. The program combines the sport management curriculum with a minor in business administration. The program concludes with a semester-long internship experience.

Progression Requirements

Students must submit an application upon meeting the following minimum criteria.

- Minimum of 30 semester hours earned.
- Minimum 2.5 GPA for all college work.
- Completion of RSM 100 and RSM 250 with a grade of C or better.
- Completion of English 101 and 102, and Mathematics 125 or 141.

Board of Admissions

The Board of Admissions meets at the end of each term to review applications. Applications must be submitted by December 1, May 1, or July 1 to be considered for the following term.

A complete application and all progression requirements must be met to be admitted.

Retention

Any Recreation and Sport Management course taken before or after progression into the Sport Management concentration must be passed with a minimum grade of C. A 2.5 GPA is required to register for RSM 290, 390, and RSM 490.

Service Learning Honors Program

Recreation and Sport Management majors with a concentration in Sport Management have the opportunity to participate in the college's Service Learning Honors Program. For eligibility and requirements, see Service Learning Honors Program.

First Year	Hours Credit
English 101*, 102*	6
¹ Cultures and Civilizations Electives*	6
¹ Social Science Elective*	3
Recreation and Sport Management 100	1
¹ Arts and Humanities Elective*	3
Mathematics 125* or 141*	3-4
⁶ General Electives	7
 Second Year	
² Accounting 200	3
² Economics 201*	4
¹ Natural Sciences Electives*	7-8
Communication Studies 210* or 240*	3
Recreation and Sport Management 250, ³ 290	6
² Business Administration 201	4
² Statistics 201*	3
 Third Year	
² Management 300	3
² Finance 300	3
² Marketing 300	3
Recreation and Sport Management 335, ³ 350, ³ 390	9
¹ Arts and Humanities Elective*	3
¹ Communicating through Writing Elective*	3
⁶ General Electives	6
 Fourth Year	
³ Recreation and Sport Management 490	12
⁴ Select five courses: KNS 490; RSM 330, 336, 340, 360, 370, ⁵ 380, 410, 415, 430, 440, 450, 460	15
⁶ General Electives	4
Total 120-122	

* Meets University General Education Requirement.

¹ Select courses from the University General Education list. At least one natural science course must have a lab.

² Business Administration minor requirement.

³ Requires progression into the Recreation and Sport Management major.

⁴All courses on list (except KNS 490 and RSM 336) require progression into the Recreation and Sport Management major.

⁵The class focus for RSM 380 must be Sport Management.

⁶Select any course not already required for the major.

◆ ADD RECREATION & SPORT MANAGEMENT MAJOR, THERAPEUTIC RECREATION CONCENTRATION

The Recreation and Sport Management major with a concentration in Therapeutic Recreation prepares students for employment in a variety of health care settings including programs in mental health and mental retardation, physical rehabilitation centers, drug and alcohol treatment centers, and community-based programs. Graduates fulfill the eligibility requirements for National Council for Therapeutic Recreation Certification.

Progression Requirements

Students must submit an application upon meeting the following minimum criteria.

- Minimum of 30 semester hours earned.
- Minimum 2.5 GPA for all college work.
- Completion of RSM 100 and RSM 201 with a grade of C or better.
- Completion of English 101 and 102, and three (3) hours of quantitative reasoning.

Board of Admissions

The Board of Admissions meets at the end of each term to review applications. Applications must be submitted by December 1, May 1, or July 1 to be considered for the following term.

A complete application and all progression requirements must be met to be admitted.

Retention

Any Recreation and Sport Management course taken before or after progression into the Therapeutic Recreation concentration must be passed with a minimum grade of C. A 2.5 GPA is required to register for RSM 290, 390, and RSM 490.

Service Learning Honors Program

Recreation and Sport Management majors with a concentration in Sport Management have the opportunity to participate in the college's Service Learning Honors Program. For eligibility and requirements, see Service Learning Honors Program.

First Year	Hours Credit
English 101*, 102*	6
¹ Quantitative Reasoning Electives*	6
² Chemistry 100*-110* or 120*-130* or Biology 101*-102*	8
Child and Family Studies 210*	3
Recreation and Sport Management 100, 201	5
Psychology 110*	3
 Second Year	
Classics 273	3
Biochemistry, Cellular and Molecular Biology 230	5
Communication Studies 210* or 240*	3
⁶ Elective	3
³ Recreation and Sport Management 290, 320, 325	9
Philosophy 246*	3
¹ Cultures and Civilizations Electives*	6
 Third Year	
Kinesiology 332 or Ecology and Evolutionary Biology 240	3-4
Psychology 330	3
¹ Arts and Humanities Electives*	6
Recreation and Sport Management ³ 310, ³ 390, 425	9
Kinesiology 290	3
⁴ Professional Support Course Electives (400-level)	6
 Fourth Year	
Psychology Elective (400-level)	3
³ Recreation and Sport Management 420, 430, and any 300- or 400-level Recreation and Sport Management course	9
^{3,5} Recreation and Sport Management 490	12
⁶ Elective	3

Total 120-121

* Meets University General Education Requirement

¹ Select courses from the University General Education list.

² Students taking BCMB 230 at UTK must take a Chemistry sequence.

³ Requires progression into the Recreation and Sport Management major.

⁴ Courses must be in addition to those specified for the major and must be selected from 400-level courses in the following disciplines: child and family studies, psychology, sociology, recreation and sport management, special education, or kinesiology.

⁵ Must meet guidelines for national NCTRC certification.

⁶ Select any course not already required for the major.

NOTE: A 2.5 GPA is required for progression to the major.

DEPARTMENT OF NUTRITION

REVISE DEPARTMENTAL TEXT (ADD PROGRESSION AND RETENTION REQUIREMENTS)

Progression and Retention Requirements

Progression in the nutrition major requires a minimum undergraduate UT cumulative GPA of 2.8 after a minimum 45 hours of undergraduate coursework and completion of Chemistry 120-130, Biochemistry, Cellular and Molecular Biology 230, and Nutrition 100 with a grade of C or higher. 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. Late admissions to the major may be accommodated as possible.

Students admitted to the major must enroll in Nutrition 310 and should enroll in Hotel, Restaurant and Tourism 210 in the fall semester in order to remain in the program. If Chemistry 350 has not yet been completed, students must also enroll in it for the fall semester. Students admitted to the major must enroll in Nutrition 313 and 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.

REVISE NUTRITION MAJOR

- Revise third sentence:
Change Commission on Accreditation/Approval for Dietetics Education to Commission on Accreditation for Dietetics Education
- Revise showcase as shown below (supporting information denotes specific changes)

First Year	Hours	Credit
Chemistry 120*-130*	8	
English 101*, 102*	6	
¹ Mathematics 125* or *141*	3-4	
Psychology 110*	3	
Nutrition 100*	3	
² Social Sciences Elective*	3	
¹ Electives	3	
Second Year		
Nutrition 201, 302.....	4	
Chemistry 350.....	3	
Statistics 201*	3	
Biochemistry, Cellular and Molecular Biology 230.....	5	
² Cultures and Civilizations Electives*	6	
² Arts and Humanities Elective*	3	
¹ Electives	3	
Microbiology 210*	3	
Third Year		
Accounting 200	3	
¹ Electives	9	
³ Nutrition 310, 313, 314.....	10	
Communication Studies 240*.....	3	
Hotel, Restaurant and Tourism 101 ³ , 210	6	

Fourth Year

¹ Electives	5
Classics 273.....	3
² Arts and Humanities Elective*	3
³ Nutrition 303, 410, 412*, 415, 416, 420, 422, 423	19

Total 120-121

* Meets University General Education Requirement

¹Select any courses not already required for the major. Students who do not place into Math 125 or 141 will first take Math 119 or 123, which can be used as an elective.

²Select courses from the University General Education list.

³Must be taken at UTK.

DEPARTMENT OF THEORY AND PRACTICE IN TEACHER EDUCATION

REVISE SPECIAL EDUCATION MAJOR, EDUCATION OF THE DEAF AND HARD OF HEARING CONCENTRATION

First Year	Hours Credit
¹ Arts and Humanities Elective*	3
¹ Cultures and Civilizations Electives* (non-US history)	6
English 101*, 102*	6
⁷ General Elective	3
¹ Quantitative Reasoning Electives*	6
¹ Social Sciences Electives*	6

Second Year	Hours Credit
Communication Studies 210*, 240* or course with (OC) designation ..	3
Educational Interpreting 223, 226	6
Educational Psychology 210	3
⁷ General Elective	2-3
Linguistics 200	3
⁵ Biological Science Elective*	3-4
⁶ Physical Science Elective*	3-4
Philosophy 241*, 243*, 246*, or 290*	3
Audiology and Speech Pathology 303	3

Third Year	Hours Credit
Education of Deaf/Hard of Hearing 419, 425	7
Educational Interpreting 431, 432	6
² Educational Methods	6
Reading Education 430 or 543	2-3
³ Professional Elective	3
⁴ Information Sciences 330	3
Special Education 402	3

Fourth Year	Hours Credit
Educational Psychology 401	3
Theory and Practice in Teacher Education 486	3
Education of Deaf/Hard of Hearing 410, 415, 416	9
Audiology and Speech Pathology 494	3
³ Professional Electives	9
Educational Interpreting 435	3

Undergraduate Total 120-122

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. Students must also obtain an Intermediate rating level on the Sign Language Proficiency Interview (SLPI) prior to beginning the professional year in order to be placed in a signing environment.

Education 574	2
Education 575	12
Education 591	4
Education of the Deaf/Hard of Hearing 528, 529	6

Graduate Total 24

*Meets University General Education Requirement

¹ Select courses from the University General Education list.

² See educational methods section for course options. Students must select the appropriate methods courses that meet the requirements for elementary, middle grades or secondary licensure. See advisor.

³ See professional electives section for course options. (Note: All students will obtain a deaf education license, K-12. Students will also obtain a general education license in elementary, middle grades or secondary education. Professional elective options vary by level of licensure.)

⁴ Students obtaining a general education license in middle grades or secondary education may substitute with a content area class or an educational methods course.

⁵ Biological Science Elective: Anthropology 110; Biology 101, 102, 111, 112, 130, 140, 157; Entomology and Plant Pathology 201; Microbiology 210.

⁶ Physical Science Elective: Astronomy 151, 152, 161, 162, 217, 218; Chemistry 100, 110, 120, 130, 128, 138; Geography 131, 132; Geology 101, 102, 103, 107, 108, 201, 202, 203, 205, 207, 208; Physics 101, 102, 135, 136, 137, 138, 161, 221, 222, 231, 232.

⁷ Select any course not already required for the major. See advisor for recommended electives.

Educational Methods

- Elementary education 422; English Education 459, 507, 508, 509, 543, 590; Math Education 485, 543; Reading Education 461, 540, 543; Science Education 496, 543, 565, 596; Social Studies Education 454, 543; Theory and Practice in Teacher Education 543.

Professional Electives

Students obtaining a **secondary license** in general education will choose 12 professional electives from a secondary education content area. (Note: Some content areas require more than 12 credits for completion. Refer to specific content area requirements below.)

- English: Choose 15 credits from the English department at the 300+ level.
- Mathematics: Math 241 or 251, 300 or 401, 460, 423 or 424.
- Natural Sciences – Biology: Biology 140, 240, 250, and 6 credits from biochemistry and cellular and molecular biology, botany, ecology and evolutionary biology or microbiology at the 300+ level.
- Natural Sciences – Chemistry: Complete 15 credits of courses from the chemistry department at the 200+ level, including Chemistry 310, 319, and one course from Chemistry 350, 360, 369, 471, 481, 479, 473, and 483.
- Natural Sciences – Physics: Physics 135, 136, 240, and six credits from the departments of physics or astronomy at the 300+ level.
- Natural Sciences – Earth Science: Geology 101, 102 or 103, and 9 credits from the earth and planetary science department at the 200+ level.
- Social Studies – Economics: Economics 201, 311, 313 and 6 credits from the economics department at the 300+ level.
- Social Studies – Geography: Choose 15 credits from the department of geography, including 9 credits at the 300+ level.
- Social Studies – Government: Political Science 101, 102, and 12 credits from the political science department at the 300+ level.
- Social Studies – History: History 221, 222, 241, 242, and 6 credits from the history department at the 300+ level to include a course in world history.
- Social Studies – Psychology: Psychology 110 and 15 credits from the psychology department at the 300+ level.
- Social Studies – Sociology: Sociology 110 or 120, 321, 331, and 9 credits from the sociology department at the 300+ level.

Students obtaining a **middle grades 4-8 license** in general education will choose 12 upper division (300-400) credits from a middle grades education content area. Content areas include:

- English: Choose courses from the English department.
- Mathematics: Choose courses from the mathematics department.
- Science: Choose courses from the departments of biology, chemistry, earth and planetary sciences, and physics and astronomy.
- Social Science: Choose courses from the departments of history, geography, political science, and economics.

Students obtaining an **elementary K-6 license** in general education will choose a collateral area and complete a total of 12 credit hours. Collateral areas are listed below. Click on the course links for any prerequisites required for these courses.

- Audiology and Speech Pathology: AUSP 300, 302, 305, 306, 435.
- Child and Family Studies: CFS 106, 211, 350, 351, 353.
- Educational Interpreting: EI 335, 340, 350, 355.
- English as a Second Language: ENGL 474, 476, 477; FLED 466/566, 476/576, 488/588.
- Linguistics: EI 435; LING 400; ENGL 471, 472, 474, 476, 477, 485.
- Reading and Language Arts: ELED 528, 550; REED 461, 519, 529, 530, 536, 537, 538, 539, 540, 543.
- Special Education: SPED 410, 419, 420, 456, 459, 471.

REVISE THE MIDDLE GRADES EDUCATION MINOR

Students interested in becoming middle school teachers (grades 4-8) earn a BA or BS in the College of Arts and Sciences in either mathematics, English, an area of science (e.g., astronomy, biology, chemistry, geology, physical geography, physics, environmental science) or one of the social sciences (e.g., history, geography, political science, anthropology, sociology, economics). Students who have pursued programs in engineering or forestry may have course work that may count in this area.

Students also complete a minor in middle grades education which consists of a minimum of 12 credit hours in one of the other four content areas: mathematics, science, social science, or English, as well as the required courses (13 hours) as outlined below. Contact advisors in the college's Student Services Center, A332 Jane and David Bailey Education Complex, for more information about specific requirements. The coursework listed below leads to middle grades licensure.

Required Courses

Education Psychology 401	3
Special Education 402	3
Theory and Practice in Teacher Education 486	3
Theory and Practice in Teacher Education 442	3
Theory and Practice in Teacher Education 203	1

Coursework in Second Content Area

12 hours as approved by an advisor
(hours required for licensing and typically
taken as part of Arts and Sciences distribution)

Undergraduate Total 25

Post-Baccalaureate

The following courses are taken during the post-baccalaureate professional internship year (Reading Education 543 may be taken prior to or after the professional year internship). Students must apply to and be admitted by the Office of Graduate and International Admissions prior to registration.

Reading Education 543	3
Education 574	2
Education 575	12
Education 591	4
Theory and Practice in Teacher Education 543	3
English Education 543, Mathematics Education 543, Science Education 543, or Social Science Education 543	3
Graduate Total	27

Note: Teacher licensure is granted at the successful completion of this coursework; 9 additional hours may be taken to complete the master's degree. For details, see the *Graduate Catalog*.

Formerly:

Students interested in becoming middle school teachers (grades 4-8) earn a BA or BS in the College of Arts and Sciences in either mathematics, English, an area of science (e.g., astronomy, biology, chemistry, geology, physical geography, physics, environmental science) or one of the social sciences (e.g., history, geography, political science, anthropology, sociology, economics). Students who have pursued programs in engineering or forestry may have course work that may count in this area.

Students also complete a minor in middle grades education which consists of a minimum of 12 credit hours in one of the other four content areas: mathematics, science, social science, or English, as well as the professional education core courses (6 hours) as outlined below. Contact advisors in the college's Student Services Center, A332 Jane and David Bailey Education Complex, for more information about specific requirements. The course work listed below leads to middle grades licensure.

Professional Education Core (18 undergraduate hours):

EDPY 401; SPED 402; 12 hours in second content area (as approved by advisor)

Post-Baccalaureate Year (33 graduate hours)

The following courses are taken during the three semesters beginning in the summer prior to the internship 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 this course work; 3 additional hours may be taken to complete the master's degree. For details, see the *Graduate Catalog*.

Complete:

EDUC 574, 575, 591; REED 543; TPTE 542, 543

Select one course:

ENED 543; MTED 543; SCED 543; SSED 543

COLLEGE OF ENGINEERING

All changes effective Fall 2010

I: COURSE CHANGES**DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING****(223) (CBE) Chemical and Biomolecular Engineering**

DROP

CBE 477 - Honors: Applied Process Automation Laboratory (3)**CBE 478 - Honors: Applied Process Automation Design Projects (3)**

ADD (DE) PREREQUISITE AND DROP (RE) PREREQUISITE

240 Fluid Flow and Heat Transfer (4)*(DE) Prerequisite(s): 201.**Formerly: (RE) Prerequisite(s): 201.*

REVISE DESCRIPTION, DROP (RE) PREREQUISITE, AND ADD (DE) PREREQUISITE

301 Application of Statistical and Numerical Techniques in Engineering (3) Statistical methods for probabilities, expectations, sampling, and estimation; numerical methods for regression, integration, solution for systems of linear/nonlinear algebraic and differential equations.*(DE) Prerequisite(s): Engineering Fundamentals 230.**Formerly: Statistical methods for probabilities, expectations, sampling, and estimation; Numerical methods for regression, integration, solution of systems of linear/nonlinear algebraic and differential equations.**(RE) Prerequisite(s): Engineering Fundamentals 230.*

REVISE (RE) PREREQUISITE AND ADD (DE) PREREQUISITE

310 Chemical and Biomolecular Engineering Laboratory (3)(RE) Prerequisite(s): Mathematics 142.**(DE) Prerequisite(s): Engineering Fundamentals 230.**Formerly: (RE) Prerequisite(s): Engineering Fundamentals 230 and Mathematics 142.***DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE****(266) (COSC) Computer Science**

ADD

425 Machine Learning (3) Machine Learning is concerned with computer programs that automatically improve their performance through experience. This course covers the theory and practice of machine learning from a variety of perspectives. We cover topics such as learning decision trees, neural network learning, statistical learning methods, genetic algorithms, Bayesian learning methods, explanation-based learning, and reinforcement learning. Programming assignments include hands-on experiments with various learning algorithms.*(RE) Prerequisite(s): 302 and 311.**(DE) Prerequisite(s): Mathematics 142 and 251; ECE 313 or Mathematics 323.**Comment(s): Prior knowledge may satisfy prerequisite with consent of instructor.***456 Computer Graphics (3)** Digital image synthesis, geometric modeling and animation. Topics may include visual perception, displays and color spaces, frame buffers, affine transformations, data structures for geometric primitives, visible surface determination, shading and texturing, anti-aliasing computing light transport, rendering equation, shader programming, general purpose GPU programming, level of detail, curves and surfaces, and graphics hardware.*(RE) Prerequisite(s): 302.**Comment(s): Prior knowledge may satisfy prerequisite with consent of instructor.***461 Compilers (3)** Lexical analysis, parsing, program representation, type systems, runtime environments, code generation, optimization techniques.*(RE) Prerequisite(s): 302.*

ADD GRADING RESTRICTION

102 Introduction to Computer Science (4)Grading Restriction: A, B, C, No Credit grading.*

REVISE (RE) PREREQUISITE

302 Fundamental Algorithms (4)

(RE) Prerequisite(s): 140.

Formerly: (RE) Prerequisite(s): 140 and 160.

360 Systems Programming (4)

(RE) Prerequisite(s): 160 and 302.

Formerly: (RE) Prerequisite(s): 302.

DROP (DE) PREREQUISITE

370 Introduction to Scientific Computing (4)

Formerly: (DE) Prerequisite(s): 160.

REVISE REPEATABILITY

494 Special Topics in Computer Science (1-3)

Repeatability: May be repeated. Maximum 9 hours.

Formerly: Repeatability: May be repeated. Maximum 18 hours.

(319) (ECE) Electrical Engineering and Computer Engineering

ADD

444 Microwave Circuits (3) Transmission-line theory, microstrip and coplanar lines, S-parameters, matching networks, couplers, low-pass and band-pass filters, diode detectors, and mixers. Design of transistor amplifiers including noise performance. Design, fabrication, and measurements (1-10GHz) of microwave-integrated circuits using CAD tools and network analyzers.

(RE) Prerequisite(s): 341.

ADD GRADING RESTRICTION

206 Electrical Engineering Computations (4)

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

REVISE (RE) PREREQUISITE

313 Probability & Random Variables (3)

(RE) Prerequisite(s): Mathematics 142 or 148.

Formerly: (RE) Prerequisite(s): Math 231.

ADD (RE) PREREQUISITE

ECE 441 Digital Communications (3)

(RE) Prerequisite(s): 342.

REVISE TITLE, REVISE DESCRIPTION, REVISE (RE) PREREQUISITE, AND DROP (DE) PREREQUISITE

443 Antenna Systems Engineering (3) The electromagnetic and systems engineering of antennas for terrestrial wireless and satellite communications. Antenna impedance, beam pattern, gain, and polarization. Dipoles, monopoles, loop antennas, microstrip antennas, feed networks and baluns. Power and noise budgets for communication links.

Atmospheric propagation and multipath. Design, fabrication and measurements of single element and antenna arrays.

(RE) Prerequisite(s): 341.

Formerly: Antenna and Propagation (3) Introduction to antenna theory, including fundamental antenna concepts and parameters (directivity, gain, patterns, etc.) and signal propagation. Theory and design of linear and loop antennas, arrays, and other simple antennas. Includes Level 1 design projects.

(RE) Prerequisite(s): 316 and 341.

(DE) Prerequisite(s): 342.

ENGINEERING FUNDAMENTALS DIVISION

(323) (EF) Engineering Fundamentals

ADD

130 Survey of Engineering Entrepreneurship (1) Examination of entrepreneurship from an applied context as presented by successful regional engineering entrepreneurs. Living case studies are presented by engineers of all disciplines that have established viable organizations that serve marketplace needs.

Grading Restriction(s): Satisfactory/No Credit grading only.

Registration Restriction(s): Majors in the College of Engineering or Biosystems Engineering.

337 Honors Leadership Skills (3) Focuses on developing leadership skills. Provides students with self-assessment, developmental exercises, and case studies to prepare them for leadership roles.

Credit Restriction: Student cannot receive credit for both Management 331 and Engineering Fundamentals 337.

Registration Restriction: Students enrolled in the Honors Engineering Leadership Minor only.

357 Honors Introduction to Entrepreneurship (3) An introduction to entrepreneurship with an emphasis on identifying, evaluating and developing new venture opportunities. Topics include opportunity identification and evaluation, start-up strategies, business valuation, business plan development, attracting stakeholders, financing the venture, managing the growing business and exit strategies.

(RE) Prerequisite(s): 337.

Credit Restriction: Student cannot receive credit for both Management 350 and Engineering Fundamentals 357.

Registration Restriction: Students enrolled in the Honors Engineering Leadership Minor only.

400 Technology Commercialization (1) Students of engineering will be exposed to various approaches by which value is created from technology. Value creating business models commonly applied to technology ideas and products will be studied. Appropriate commercialization methods will be applied to student efforts in capstone design projects for various engineering majors.

Grading Restriction(s): Satisfactory/No Credit grading only.

Registration Restriction(s): Majors in the College of Engineering or Biosystems Engineering and senior standing.

DROP

202 Engineering Mechanics (2)

Equivalency Table

Current Course (323) (EF) Engineering Fundamentals	Equivalent Course Fall 2010 (650) (ME) Mechanical Engineering
202	202

ADD REGISTRATION RESTRICTION

***151 Physics for Engineers I (4)**

Registration Restriction(s): Majors in the College of Engineering or Biosystems Engineering.

***152 Physics for Engineers II (4)**

Registration Restriction(s): Majors in the College of Engineering or Biosystems Engineering.

REVISE REGISTRATION RESTRICTION

***157 Honors: Physics for Engineers I (4)**

Registration Restriction(s): Majors in the College of Engineering or Biosystems Engineering who are in the Chancellor's Honors Program.

***158 Honors: Physics for Engineers II (4)**

Registration Restriction(s): Majors in the College of Engineering or Biosystems Engineering who are in the Chancellor's Honors Program.

DEPARTMENT OF INDUSTRIAL AND INFORMATION ENGINEERING**(556) (IE) Industrial Engineering**

ADD SECONDARY CROSS-LIST

457 Engineering Entrepreneurship (3) (See Mechanical Engineering 457).

REVISE DESCRIPTION

405 Engineering Economic Analysis (3) Introduction to engineering economy and its application in engineering practice. Time-value of money and discounted cash flow techniques. Decisions among engineering alternatives involving design options, equipment selection, break-even points, and similar situations. Cost estimating and consideration of taxes and inflation. Analyzing uncertainty in economic estimates using nonprobabilistic techniques. Introduction to technomics including transaction cost analysis, concept of technomic metrics, key trends driving exponential change in the economy and organizations.

Formerly: Introduction to engineering economy and its application in engineering practice. Time- value of money and discounted cash flow techniques. Decisions among engineering alternatives involving design options, equipment selection, break-even points, and similar situations. Cost estimating and consideration of taxes and inflation. Analyzing uncertainty in economic estimates using nonprobabilistic techniques.

DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

(638) (MSE) Materials Science and Engineering

ADD

210 Introduction to Materials Science and Engineering Laboratory (1) Laboratory assignments demonstrating introductory concepts in materials science and engineering; heat treating, mechanical testing, microscopy.

(RE) Corequisite(s): 201.

408 Functional Nanoscale Materials: Processing, Properties and Applications (3) Principles of nanoscale materials processing by nucleation, self-assembly, thin film and bulk techniques, and lithography. Fundamentals of size-dependent mechanical, electronic and optical properties and their characterization. Applications of nanoscale materials to energy harvesting, information processing and structural materials.

(RE) Prerequisite: 201.

REVISE CREDIT HOURS AND CONTACT HOUR DISTRIBUTION

250 Introduction to Materials Kinetics and Transport Phenomena (3)

Contact Hour Distribution: 3 hours lecture.

Formerly: 4 hours

Contact Hour Distribution: 3 hours lecture and 1 hour lab.

REVISE TITLE AND REPEATABILITY

290 Professional Development I (0)

Repeatability: May not be repeated.

Formerly: Materials Seminar.

May be repeated. Maximum 4 times.

291 Professional Development II (1)

Repeatability: May not be repeated.

Formerly: Materials Seminar.

May be repeated. Maximum 4 times.

REVISE (RE) PREREQUISITE, DROP (DE) PREREQUISITE, AND DROP (RE) COREQUISITE

304 Principles of Materials Laboratory (1)

(RE) Prerequisite(s): 300, 320, 340, 360.

Formerly:

(RE) Prerequisite(s): 201.

(DE) Prerequisite(s): 360.

(RE) Corequisite(s): 320 and 340.

REVISE DESCRIPTION

360 Principles of Ceramic Materials (3) Description of the atomic structure of ceramic materials and glasses. Description of defects in ceramic materials and correlations to physical properties. Features and operations of ternary phase diagrams of ceramic systems.

Formerly: Characterization of ceramic materials as to their crystal structure and their mechanical, electrical, and optical properties.

Ceramic fabrication processes from the initial green body fabrication through the firing state.

REVISE (RE) PREREQUISITE

370 Materials Processing (3)

(RE) Prerequisite(s): 340 and 360.

Formerly: (RE) Prerequisite(s): 201 and 250.

ADD (RE) PREREQUISITE AND REGISTRATION PERMISSION

***405 Structural Characterization of Materials (4)**

(RE) Prerequisite(s): Physics 232.

Registration Permission: Consent of instructor.

REVISE TITLE, DESCRIPTION, (RE) PREREQUISITE, AND ADD REGISTRATION RESTRICTION

410 Theory and Processing of Conventional and Nano-Structured Devices (3) Conventional and nano-scale device structure and processing; p-n junctions, semiconductor diode solid state amplifiers; semiconductor crystal growth, epitaxial growth, doping, ion implantation, diffusion, and lithography.

(RE) Prerequisite(s): Physics 232.

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

Formerly:

Theory and Processing of Electronic Materials (3) The quantum theory of electrons in solids. The free electron approximation, band theory, and Fermi surfaces. Brillouin zones for matter waves and acoustic waves in periodic media. Lattice and electronic contributions to metallic specific heats. The electrical conductivity for metals. Intrinsic and extrinsic semiconductors, p-n junctions, and semiconductor diode solid state amplifiers. Semiconductor crystal growth, epitaxial growth, doping, ion implantation, diffusion, and lithography. (RE) Prerequisite(s): 201 and Physics 232.

REVISE REGISTRATION RESTRICTION

***489 Materials Design (3)**

Registration Restriction(s): Materials Science and Engineering majors and senior standing.

Formerly: Registration Restriction(s): Minimum student level — senior.

DEPARTMENT OF MECHANICAL, AEROSPACE AND BIOMEDICAL ENGINEERING

(018) (AE) Aerospace Engineering

DROP (RE) PREREQUISITE AND ADD (RE) COREQUISITE

***410 Professional Topics (2)**

(RE) Corequisite(s): 426.

Formerly: (RE) Prerequisite(s): English 102.

(192) (BME) Biomedical Engineering

ADD

420 Systems Biology and Complex System Theory (3) Mathematical techniques and complex system theory for understanding and solving biological as well as biomedical problems at the small scale. The focus is on mathematical modeling, dynamic analysis, control and automation techniques for disease diagnosis and treatment at the molecular and cellular level. Case studies include: immune system dynamics and control, immune-vaccine interactions and optimal vaccine strategy design, cellular system control, molecular diagnosis and treatment, lab-on-a-chip technology, DNA and protein microarray technology, and controlled drug delivery.

(RE) Prerequisite(s): Mathematics 231; 200 or 251.

(650) (ME) Mechanical Engineering

ADD EQUIVALENCY

202 Engineering Mechanics (2)

Equivalency Table

Current Course (323) (EF) Engineering Fundamentals	Equivalent Course Fall 2010 (650) (ME) Mechanical Engineering
202	202

ADD

472 Sustainable Energy Engineering (3) An in-depth examination of engineering systems to convert, store, transport, and use energy, with emphasis on technologies that reduce dependence on fossil fuels and/or emission of greenhouse gases; examines various conventional energy production technologies such as fossil fuel and nuclear (both fission and fusion) and renewable energy conversion technologies such as solar, wind, hydro, geothermal, wave, and thermoelectric energy; Examines their end-use practices and consumption practices. The course will emphasize using quantitative methods to assess and compare different technologies.
(RE) Prerequisite(s): 331.

ADD (RE) PREREQUISITE

450 Mechanical Engineering Design I (1-4)
(RE) Prerequisite(s): 363.

ADD PRIMARY CROSS-LISTING

457 Engineering Entrepreneurship (3) (Same as IE 457).

DEPARTMENT OF NUCLEAR ENGINEERING

(716) (NE) Nuclear Engineering

REVISE DESCRIPTION

***401 Radiological Engineering Laboratory (3)** Radiation sources, detector types, radiation counting and spectroscopy, analog and digital electronics for detectors.

Formerly: Radiation detection and counting instrumentation, counting statistics, half-life and decay schemes, alpha and beta spectroscopy, radiation fields and dosimetry, gamma spectrometry.

404 Nuclear Fuel Cycle (3) Mining, milling, enrichment, fuel fabrication, in-core management, nuclear reactor theory, reprocessing, waste disposal, regulatory requirements, nuclear facilities, nuclear material accountancy and physical protection. Exercise on signatures and observables of nuclear materials processing.

Formerly: Topics relative to nuclear fuel cycle including, mining, milling, fabrication, in-core management, reprocessing, waste disposal. Regulatory and radiation health issues and requirements.

REVISE DESCRIPTION AND (DE) PREREQUISITE

***402 Nuclear Engineering Laboratory (3)** Heat transfer experiments, instrumentation and controls, diffusion properties of neutrons, measurements of nuclear materials, nuclear reactor measurements.

(DE) Prerequisite: 401.

Formerly: Cross section measurements, diffusion properties of neutrons, shielding, dynamics and controls, and heat transfer experiments.

(DE) Prerequisite(s): 342 and 401.

II. PROGRAM CHANGES

◆ ADD HONORS ENGINEERING LEADERSHIP MINOR

In the 2009-2010 Undergraduate Catalog, add an Honors Engineering Leadership Minor:

A coursework and experiential program is offered by the College of Engineering leading to a minor in Engineering Leadership. This minor is restricted to College of Engineering students (including Biosystems Engineering majors) in the Chancellor's Honors Program or the Haslam Scholars Program. Students not in one of these university honors programs but admitted to an engineering honors concentration are also eligible.

The minor requires **18 hours**, plus non-credit capstone service and leadership activities.

Core Courses (complete 3 courses):

EF 337 and 357	6
UNHO 267 or 347	3

Elective Courses (select 3 courses):

Philosophy 241	
Management 451	
Management 460	
Psychology 440	
Communication Studies 440	9

College Leadership Capstone:

Students in this minor are expected to demonstrate leadership by assuming leadership positions in the College and University. This requirement has two parts and completion must be certified by the minor advisor:

1. Contribute service to the College or University through holding a selected or elected leadership position. Examples of acceptable positions are College Ambassador, Co-op Ambassador, Officer of Student Technical Society, Orientation Leader, Resident Assistant for Engage residential community, or other positions approved by minor advisor.
2. Demonstrate technical project leadership, normally by a) serving as team leader for senior design or other departmental project course, or b) competing in the College of Business' Business Plan competition to commercialize a new product. The minor advisor could approve other experiences for this requirement.

◆ **ADD ENGINEERING ENTREPRENEURSHIP MINOR**

In the 2009-2010 Undergraduate Catalog, add an Engineering Entrepreneurship Minor:

Come for a degree ... leave with a company! The Engineering Entrepreneurship Minor provides students with exposure to the broad range of skills required to succeed in a technologically-based entrepreneurial endeavor including introduction to engineering entrepreneurs for mentoring, analysis of technology trends, fundamentals of intellectual property protection, ethics in business, practice in key communications skills, understanding of the due diligence process, exposure to proposal writing, management challenges and involvement in basic elements of starting a company. Students should consult with their advisor to select elective courses that also satisfy requirements for their major.

The minor consists of **17-20 hours**.

Core Courses (complete 4 courses):

EF 130, 400	2
IE 405.....	3
ME 457.....	3

Electives (select 2 courses):

PHIL 241 or 243; CMST 220 or 440; ENGL 360	6
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Senior Discipline Design Capstone (select one course)

AE 429; BSE 402; BME 469; CBE 480, 488, or 490; CE 400; COSC 400; ECE 400*; IE 422; MSE 489*; ME 460; NE 47	3-6
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*Meets University General Education requirement.

NOTE:

Capstone of the "E-Ship" Minor is the creation of a fundable proposal based on student generated technologies from senior design studies or technologies available from area sources (UT, ORNL, others). Some of the coursework could also be used to satisfy general education and technical electives for undergraduate degree programs subject to the approval of the student's department.

REVISE COLLEGE TEXT (TRANSFER STUDENTS HEADING)

Transfer students, including internal University of Tennessee, Knoxville, transfers, must meet the minimum requirements stated below to be considered for admission to a major within the college. These minimum standards for consideration do not guarantee being admitted to the major. The final admission decision for the major resides with the department head or designee.

- Must have earned a minimum 2.8 cumulative average and a C or better in each of these specific courses, or their equivalent: English 101, Chemistry 120 (for Computer Science students: COSC 102 and 140 or equivalents), and Math 141 (and subsequent courses in the three sequences, if taken).

- If the student has completed any Physics course, they must have earned a grade of C or better.
- The overall record will be evaluated for quality and seriousness of purpose. An excessive number of withdrawals, incompletes, repeated courses, or failures may result in denial.

Any University of Tennessee, Knoxville, student desiring association with one of the departments of the College of Engineering should go to the Engineering Advising Office. An advising session is held, with the major items of consideration being the same as for external transfer students.

If external transfer students are denied admission to the College of Engineering, the student must contact Undergraduate Admissions to declare a new major for admission to UT.

DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING

REVISE DEPARTMENTAL TEXT (INTRODUCTORY TEXT BEFORE PROGRESSION HEADING)

In the 2009-2010 Undergraduate Catalog, revise the departmental mission statement to:

Chemical and biomolecular engineering is engaged in the development, design, operation, and management of plants and processes for economical, safe conversion of chemical raw materials to useful products, such as pharmaceuticals, plastics, and specialty chemicals. It is a broadly based discipline with heavy emphasis on chemistry and mathematics, with supporting study in areas such as physics, materials science, and humanities.

Chemical and biomolecular engineering graduates of the University of Tennessee, Knoxville, possess the knowledge base, intellectual skills, and professional commitment which prepare them for innovative technical leadership, graduate study, productive service to society, and continued professional growth through lifelong learning. Preparation is based in the attainment of the objectives identified below, regular evaluation of the achievement of these objectives, and use of evaluation results to improve the educational process.

- Graduates of the UT Knoxville chemical and biomolecular engineering program who enter professional practice will demonstrate a high level of technical competence, along with career progression toward positions of technical or managerial leadership.
- Graduates of the UT Knoxville chemical and biomolecular engineering program who pursue full-time graduate or advanced professional study will complete their programs of study successfully.
- Graduates of the UT Knoxville chemical and biomolecular engineering program will continue their professional growth through lifelong learning.

The curriculum provides a central core of required courses with the flexibility in the upper-division years to years to permit emphasis on preparation for graduate school or professional employment, and to concentrate in either chemical or biomolecular tracks. To graduate in chemical and biomolecular engineering, students must complete the published curriculum with a grade of C or better in all required chemical and biomolecular engineering courses, as well as meeting general university and college requirements.

A minimum of 18 hours of general education courses are required. These courses must meet the University General Education Requirement. A writing course (WC) and oral communication course (OC) must be included in the general education electives.

REVISE CHEMICAL ENGINEERING MAJOR

Second Year

- Add Chemistry 310, 319 (+4 hours)

Third Year

- Revise Chem Option I to Chem Option
- Revise Bio Option I to Bio Option
- Drop one Arts and Humanities elective (-3 hrs)
- Add PHIL 242 (AH)(OC) or PHIL 242 (AH)(OC) (+3 hrs)

Fourth Year

- Drop Chem/Bio Option II (-3 hrs)
- Revise Technical Electives from 6 hours to 5 hours (-1 hr)

Footnotes

¹ Students who may already have credit for a Communicating Orally (OC) course may select any course with an (AH) designation from the university general education list.

Formerly: Students must also meet the university oral communication requirement through a course with an (OC) designation (for example, Philosophy 242 or 244).

² Change Chem Option I to Chem Option.

³ Change Bio Option I to Bio Option.

REVISE CHEMICAL ENGINEERING MAJOR, HONORS CONCENTRATIONS

- Revise second bullet (remove CBE 477 and 478):
Complete MATH 247; CHEM 483; CBE 407, CBE 447, and one of the following: CBE 467, CBE 488, CBE 498.

REVISE CHEMICAL ENGINEERING MAJOR, BIOMOLECULAR ENGINEERING CONCENTRATION

Third Year

- Add Chemistry 360 and 369 (+4 hrs)
- Add Cultures and Civilizations/Social Science requirements
- Add Arts and Humanities requirement (+3 hrs)
- Add PHIL 242* (AH) (OC) or PHIL 244* (AH)(OC) (+3 hrs)
- Drop Cultures and Civilizations/Social Science requirements (+9 hrs)

Fourth Year

- Drop BCMB 402 (-4 hrs)
- Add Cultures and Civilizations/Social Science requirements (-9 hrs)
- Drop Arts and Humanities requirement (-6 hrs)

Footnotes

¹ Students who may already have credit for a Communicating Orally (OC) course may select any course with an (AH) designation from the university general education list.

Formerly: Students must also meet the university oral communication requirement through a course with an (OC) designation (for example, Philosophy 242 or 244).

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

REVISE CIVIL ENGINEERING MAJOR, FIVE-YEAR BS/MS PROGRAM

- Revise first paragraph:
The department offers a 5-year BS-MS program with a BS (major in civil engineering) and an MS (major in civil engineering or environmental engineering) for qualified students. The primary component of the program is that qualified students may take up to 6 hours of approved graduate courses for their senior undergraduate electives and have them count toward both their bachelor's and master's degrees at the University of Tennessee. This program is designed for students attending the University of Tennessee for their Master of Science degree because other universities may not accept these courses for graduate credit since they were used to satisfy requirements for the Bachelor of Science degree. Significant components of the program are:
Formerly: The department offers a 5-year BS-MS program with a BS (major in civil engineering) and an MS (major in civil or environmental engineering) for qualified students. The primary component of the program is that qualified students may take up to 6 hours of approved graduate courses for their senior undergraduate electives and have them count toward both their bachelor's and master's degrees. Significant components of the program are:
- Revise second bullet to:
Admission must be approved by the department and the Graduate School.
Formerly: Admission must be approved by the department, the College of Engineering, and the Graduate School.
- Revise third bullet to:
Students must at least be conditionally admitted to the program prior to taking courses that receive credit for both the BS and MS degrees. All courses taken for graduate credit must be approved by the graduate program director. Students admitted to the program must request permission from the Graduate School to take approved courses for graduate credit. Students admitted to the program must also follow the normal procedure for admission to the Graduate School.
Formerly: Students must at least be conditionally admitted to the program prior to taking courses that receive credit for both the BS and MS degrees. All courses taken for graduate credit must be approved by the chair of the department and the Graduate School.
- Revise the fourth bullet to:

Students will not be eligible for assistantships until they are enrolled as graduate-level students in the Graduate School.

Formerly: Students will not be eligible for assistantships until they complete their bachelor's degree.

DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

ADD DEPARTMENTAL TEXT (5-YEAR BS/MS NON-THESIS PROGRAM HEADING)

The department offers a 5 year BS-MS program for qualified students. The primary component of the program is that qualified students may take up to 6 hours of approved graduate courses for their senior undergraduate electives and have them count toward both their bachelor's and master's degrees at the University of Tennessee. This program is designed for students attending the University of Tennessee for their Master of Science degree because other universities may not accept these courses for graduate credit since they were used to satisfy requirements for the Bachelor of Science degree. Significant components of the program are:

- Students must have an overall GPA of at least 3.4 to be admitted to the program. Conditional admission may be granted after completing 64 hours of required course work while full admission is granted after completing 96 hours of required course work with a minimum overall GPA of 3.4.
- Students must at least have conditional admission before taking graduate courses for both their bachelor's and master's degrees. All courses taken for graduate credit must be approved by the departmental chair of the program. Students admitted to the program must request permission from the Graduate School to take approved courses for graduate credit.
- Students admitted to the program must also follow the normal procedure for admission to the Graduate School. Admission of students into this program must be approved by the department and the Graduate School. Students will not be eligible for graduate assistantships until they are enrolled as graduate-level students in the Graduate School.

ADD FIVE YEAR BS-MS PROGRAM, COMPUTER ENGINEERING

The department offers a 5 year BS-MS program for qualified students. The primary component of the program is that qualified students may take up to 6 hours of approved graduate courses for their senior undergraduate electives and have them count toward both their bachelor's and master's degrees at the University of Tennessee. This program is designed for students attending the University of Tennessee for their Master of Science degree because other universities may not accept these courses for graduate credit since they were used to satisfy requirements for the Bachelor of Science degree. Significant components of the program are:

- Students must have an overall GPA of at least 3.4 to be admitted to the program. Conditional admission may be granted after completing 64 hours of required course work while full admission is granted after completing 96 hours of required course work with a minimum overall GPA of 3.4.
- Students must at least have conditional admission before taking graduate courses for both their bachelor's and master's degrees. All courses taken for graduate credit must be approved by the departmental chair of the program. Students admitted to the program must request permission from the Graduate School to take approved courses for graduate credit.
- Students admitted to the program must also follow the normal procedure for admission to the Graduate School. Admission of students into this program must be approved by the department and the Graduate School.
- Students will not be eligible for graduate assistantships until they are enrolled as graduate-level students in the Graduate School.

ADD FIVE YEAR BS-MS PROGRAM, COMPUTER SCIENCE

The department offers a 5 year BS-MS program for qualified students. The primary component of the program is that qualified students may take up to 6 hours of approved graduate courses for their senior undergraduate electives and have them count toward both their bachelor's and master's degrees at the University of Tennessee. This program is designed for students attending the University of Tennessee for their Master of Science degree because other universities may not accept these courses for graduate credit since they were used to satisfy requirements for the Bachelor of Science degree. Significant components of the program are:

- Students must have an overall GPA of at least 3.4 to be admitted to the program. Conditional admission may be granted after completing 64 hours of required course work while full admission is granted after completing 96 hours of required course work with a minimum overall GPA of 3.4.
- Students must at least have conditional admission before taking graduate courses for both their bachelor's and master's degrees. All courses taken for graduate credit must be approved by the departmental chair of the program. Students admitted to the program must request permission from the Graduate School to take approved courses for graduate credit.

- Students admitted to the program must also follow the normal procedure for admission to the Graduate School. Admission of students into this program must be approved by the department and the Graduate School.
- Students will not be eligible for graduate assistantships until they are enrolled as graduate-level students in the Graduate School.

ADD FIVE YEAR BS-MS PROGRAM, ELECTRICAL ENGINEERING

The department offers a 5 year BS-MS program for qualified students. The primary component of the program is that qualified students may take up to 6 hours of approved graduate courses for their senior undergraduate electives and have them count toward both their bachelor's and master's degrees at the University of Tennessee. This program is designed for students attending the University of Tennessee for their Master of Science degree because other universities may not accept these courses for graduate credit since they were used to satisfy requirements for the Bachelor of Science degree. Significant components of the program are:

- Students must have an overall GPA of at least 3.4 to be admitted to the program. Conditional admission may be granted after completing 64 hours of required course work while full admission is granted after completing 96 hours of required course work with a minimum overall GPA of 3.4.
- Students must at least have conditional admission before taking graduate courses for both their bachelor's and master's degrees. All courses taken for graduate credit must be approved by the departmental chair of the program. Students admitted to the program must request permission from the Graduate School to take approved courses for graduate credit.
- Students admitted to the program must also follow the normal procedure for admission to the Graduate School. Admission of students into this program must be approved by the department and the Graduate School. Students will not be eligible for graduate assistantships until they are enrolled as graduate-level students in the Graduate School.

DEPARTMENT OF INDUSTRIAL AND INFORMATION ENGINEERING

REVISE INDUSTRIAL ENGINEERING MAJOR

- Add IE 457 to technical elective options in footnote 2.

REVISE INDUSTRIAL ENGINEERING MAJOR, FIVE-YEAR BS/MS PROGRAM

- **Revise first paragraph:**
The department offers a 5-year BS-MS program with a major in industrial engineering for qualified students. The primary component of the program is a qualified student may take up to 9 hours of approved graduate courses for their senior undergraduate courses and have them count toward both the bachelor's and master's degrees at the University of Tennessee. This program is designed for students attending the University of Tennessee for their Master of Science degree because other universities may not accept these courses for graduate credit since they were used to satisfy requirements for the Bachelor of Science degree. The student may also take an additional 9 credit of courses, while working towards their bachelor's, which will count only for the master's degree. Qualifications for admission to the program are:
Formerly: The department offers a 5-year BS-MS non-thesis program with a major in industrial engineering for qualified students. The primary component of the program is a qualified student may take up to 9 hours of approved graduate courses for their senior undergraduate courses and have them count toward both the bachelor's and master's degrees. Qualifications for admission to the program are:
- **Combine and revise bullets 1 and 2:**
The student must have an earned minimum cumulative GPA of at least 3.4 to be considered for admission to the program. Conditional admission may be granted the student after completing 65 hours of the required course work.
Formerly: The student must have an earned minimum cumulative GPA of at least 3.40 to be considered for admission to the program. Conditional admission may be granted after completing 64 hours of the requirements for the bachelor's degree in industrial engineering as specified by any industrial engineering curriculum (undergraduate catalog) in effect during that student's attendance at the University of Tennessee, Knoxville provided the curricula has been in effect within six years of the date of graduation.
- **Revise third bullet:**
Conditional admission must be obtained before taking a graduate course that is to be used to satisfy the requirements of both the bachelor's and master's degrees. Students admitted to the program must request permission from the Graduate School to take approved courses for graduate credit. Students admitted to the program must also follow the normal procedure for admission to the Graduate School.
Formerly: Conditional admission must be obtained before taking a graduate course that is to be used to satisfy the requirements of both the bachelor's and master's degrees.

- Add bullet after fourth:
Full admission must be obtained before taking a graduate course that is to be used to satisfy the requirements only for the master's degree. These courses must be identified in advance, with the proposed master's advisor or the Industrial Engineering Graduate Program Coordinator.
- Revise last bullet:
A student will not be eligible for a graduate assistantship until the student is enrolled as graduate-level students 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 industrial engineering coursework.
Formerly: A student will not be eligible for a graduate assistantship until the student has satisfied all of the requirements for the bachelor's degree.

DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

REVISE MATERIALS SCIENCE AND ENGINEERING MAJOR

Second Year

- Add MSE 210
- Drop ECON 201 or 207
- Revise Social Science Elective from 3 hours to 6 hours

Footnotes

² Change ...one approved course in the Social Science cluster to... two approved courses in the Social Science cluster.

⁴ Materials Science and Engineering electives: 410, 421, 425, 432, 440, 445, 466, 472, 474, 476, 484, 485, 486, 494, 495.
Formerly: Materials Science and Engineering electives: 410, 421, 429, 445, 470, 472, 474, 484, 494, 495.

◆ ADD MATERIALS SCIENCE & ENGINEERING MAJOR, NANOMATERIALS CONCENTRATION

In addition to satisfying the requirements described in the materials science and engineering major, candidates for the nanomaterials concentration must also satisfy the following stipulations.

	Hours Credit
MSE 408, 410	6
¹ Select two: CHEM 473; MSE 421, 466, 474; PHYS 411.....	6

Total Hours: 12

¹ Credit for other courses that address processing, structure, properties, or behavior of nanomaterials may be substituted by permission of academic advisor and department head.

DEPARTMENT OF MECHANICAL, AEROSPACE, AND BIOMEDICAL ENGINEERING

REVISE DEPARTMENTAL TEXT (FULL STATUS HEADING)

- Revise Engineering Fundamentals 202 to Mechanical Engineering 202
- Revise Engineering Fundamentals 231 to Mechanical Engineering 231
- Drop Engineering Fundamentals 321

REVISE FIVE-YEAR BS/MS PROGRAM (DEPARTMENTAL TEXT AND EACH MAJOR)

- Revise first paragraph:
The department offers a 5 year BS-MS program for qualified students. The primary component of the program is that qualified students may take up to 9 hours of approved graduate courses for their senior undergraduate electives and have them count toward both their bachelor's and master's degrees at the University of Tennessee. This program is designed for students attending the University of Tennessee for their Master of Science degree because other universities may not accept these courses for graduate credit since they were used to satisfy requirements for the Bachelor of Science degree. Significant components of the program are:
Formerly: The department offers a 5-year BS-MS program for qualified students. The primary component of the program is that qualified students may take up to 9 hours of approved graduate courses for their senior undergraduate electives and have them count toward both their bachelor's and master's degrees. Significant components of the program are:

- **Revise second bullet:**
Students must at least have conditional admission before taking graduate courses for both their bachelor's and master's degrees. All courses taken for graduate credit must be approved by the departmental chair of the program. Students admitted to the program must request permission from the Graduate School to take approved courses for graduate credit. Students admitted to the program must also follow the normal procedure for admission to the Graduate School.
Formerly: Students must at least have conditional admission before taking graduate courses for both their bachelor's and master's degrees. All courses taken for graduate credit must be approved by the chair of the program and the Graduate School.
- **Revise third bullet:**
Admission of students into this program must be approved by the department and the Graduate School.
Formerly: Admission of students into this program must be approved by the department, the College of Engineering, and the Graduate School.
- **Revise fourth bullet:**
Students will not be eligible for graduate assistantships until they are enrolled as graduate-level students in the Graduate School.
Formerly: Students will not be eligible for assistantships until they complete their bachelor's degree.

COLLEGE OF NURSING

All changes effective Fall 2010

I: COURSE CHANGES

(720) (NURS) Nursing

ADD (SPLITTING ONE COURSE INTO TWO)

495 Preceptorship (3) In depth practicum to develop knowledge and skill in a selected specialty area under direct guidance of a clinical preceptor.

Contact hour distribution: 3 lab.

(RE) Prerequisite(s): 406 and 451.

(RE) Corequisite(s): 403, 404, 421, and 461.

Comment: Taken in graduation term.

Registration restriction: Bachelor of Science in Nursing – nursing major.

496 Preparation for Professional Practice (1) Comprehensive preparation for the NCLEX-RN exam using a variety of strategies to promote student success such as self-directed learning activities and instructor led activities.

Contact hour distribution: 1 lecture.

(RE) Prerequisite(s): 406 and 451.

(RE) Corequisite(s): 403, 404, 421, and 461.

Comment: Taken in graduation term.

Registration restriction: Bachelor of Science in Nursing – nursing major.

DROP

490 Specialty Preceptorship (4)

Current Course (720) (NURS) Nursing	Equivalent Course Fall 2010 (720) (NURS) Nursing
490	495
	496

DROP GENERAL EDUCATION DESIGNATION

*341 Transcultural Nursing (2)

Formerly: **Satisfies General Education Requirement: (OC)**

*403 Health Promotion and Maintenance in Childbearing Families (5)

Formerly: **Satisfies General Education Requirement: (WC)**

II: PROGRAM CHANGES

REVISE COLLEGE TEXT (GRADING AND CONTINUATION POLICIES HEADING)

- Revise item 9 (replacing NURS 490 with NURS 496)
At periodic intervals specified by the faculty, students must take comprehensive examinations designed to predict success on the NCLEX (licensure) examination. Any student scoring less than 850 at the end of the junior year must take a one-hour independent study course during the summer before starting the senior clinical courses. Seniors will have two opportunities to achieve 850 on an exit exam given prior to graduation. A student who does not score 850 on the second exit exam at the end of spring term will be given a grade of Incomplete in 496 (Preparation for Professional Practice). The student will be given the opportunity to remediate and take a third exit exam no sooner than six weeks after the second exit exam. If the student does not score 850 on the third exit exam, the student will receive a failing grade for 496 and may be eligible to retake 496 in the fall term. If a failure of 496 is a second failure in the nursing program for this student, then the student is dismissed from the BSN program.

REVISE NURSING MAJOR

First Year

- Revise Arts and Humanities from 6 hours to 3 hours
- Revise Sociology or Anthropology Elective to Elective
- Add Communication Studies 210 or 240

Third Year

- Drop OC designation from Nursing 341

Fourth Year

- Drop WC designation from Nursing 403
- Replace Nursing 490 with Nursing 495 and 496

COLLEGE OF SOCIAL WORK

All changes effective Fall 2010

I: COURSE CHANGES**(905) (SOWK) Social Work**

ADD

483 Social Work Field Practice (1-12) Social work field practicum for integration of theory and practice. Concurrent field seminar. Course is equivalent to 480 and/or 481 and intended for students requiring alternate field practicum hours.

(RE) Prerequisite(s): 380

Registration Restriction(s): Social work majors only.

Registration Permission: Consent of BSSW program director.

ADD (RE) PREREQUISITE, ADD REGISTRATION RESTRICTION, AND DROP COMMENT

312 Interviewing Skills and the Helping Relationship in Social Work Practice (3)

(RE) Prerequisite(s): 200 or 207 and 250.

Registration Restriction(s): Social work majors only.

Formerly: Comment(s): Progression required. Social work majors only.

ADD REGISTRATION RESTRICTION AND DROP COMMENT

313 Social Work Practice with Individuals and Families (3)

Registration Restriction(s): Social work majors only.

Formerly: Comment(s): Progression required. Social work majors only.

315 Social Work Practice with Groups, Organizations and Communities (3)

Registration Restriction(s): Social work majors only.

Formerly: Comment(s): Progression required. Social work majors only.

380 Field Practice in Social Work I (3)

Registration Restriction(s): Social work majors only.

Formerly: Comment(s): Progression required. Social work majors only.

460 Integrative Seminar (3)

Registration Restriction(s): Social work majors only.

Formerly: Comment(s): Progression required. Social work majors only.

ADD REGISTRATION RESTRICTION, DROP COMMENT, AND DROP (RE) COREQUISITE

410 Social Work Research (3)

Registration Restriction(s): Social work majors only.

Formerly: (RE) Corequisite(s): 480.

Comment(s): Progression required. Social work majors only.

480 Field Practice in Social Work II (6)

Registration Restriction(s): Social work majors only.

Formerly: (RE) Corequisite(s): 410 or 417.

Comment(s): Progression required. Social work majors only.

ADD REGISTRATION RESTRICTION, REVISE (RE) PREREQUISITE, DROP (RE) COREQUISITE, & DROP COMMENT

481 Field Practice in Social Work III (6)

(RE) Prerequisite: 480.

Registration Restriction(s): Social work majors only.

Formerly:

(RE) Prerequisite(s): 410 or 417 and 480.

(RE) Corequisite(s): 460 or 467.

Comment(s): Progression required. Social work majors only.

REVISE (RE) PREREQUISITE, ADD REGISTRATION RESTRICTION, AND REVISE COMMENT

***314 Human Behavior and the Social Environment (3)**

(RE) Prerequisite(s): 200 or 207 and 250 and English 101 and English 102.

Comment: Students in majors other than social work may register for course with consent of instructor.

Registration Restriction(s): Social work majors only.

Formerly:

(RE) Prerequisite(s): English 101 and English 102.

Comment(s): Progression or consent of instructor required.

***317 Honors: Human Behavior in the Social Environment (3)**

(RE) Prerequisite(s): 200 or 207 and 250 and English 101 and English 102.

Comment: Students in majors other than social work may register for course with consent of instructor.

Registration Restriction(s): Social work majors only.

Formerly:

(RE) Prerequisite(s): English 101 and English 102.

Comment(s): Progression or consent of instructor required.

ADD (RE) PREREQUISITE, ADD REGISTRATION RESTRICTION, AND REVISE COMMENT

316 Understanding Diversity in a Global Society (3)

(RE) Prerequisite(s): 200 or 207 and 250.

Comment: Students in majors other than social work may register for course with consent of instructor.

Registration Restriction(s): Social work majors only.

Formerly: *Comment(s): Progression or consent of instructor required.*

318 Honors: Understanding Diversity in a Global Society (3)

(RE) Prerequisite(s): 200 or 207 and 250.

Comment: Students in majors other than social work may register for course with consent of instructor.

Registration Restriction(s): Social work majors only.

Formerly: *Comment(s): Progression or consent of instructor required.*

416 Social Welfare Policies and Issues (3)

(RE) Prerequisite(s): 200 or 207 and 250.

Comment: Students in majors other than social work may register for course with consent of instructor.

Registration Restriction(s): Social work majors only; minimum student level — senior.

Formerly: *Comment(s): Progression or consent of instructor required.*

462 - Child Welfare II: Skills and Practice Methods (3)

(RE) Prerequisite(s): 200 or 207 and 250.

Comment: Students in majors other than social work may register for course with consent of instructor.

Registration Restriction(s): Social work majors only.

Formerly: *Comment(s): Progression or consent of instructor required.*

REVISE COMMENT

417 Honors: Social Work Research (3)

Comment: Social work majors not involved in the honors concentration may register with permission of the instructor.

Formerly: *Comment(s): Progression required. Social work majors not involved in the honors concentration may register with permission of the instructor.*

467 Honors: Integrative Seminar (3)

Comment: Social work majors not involved in the honors concentration may register with permission of the instructor and successful completion of Social Work 417 with a grade of B or above.

Formerly: *Comment(s): Progression required. Social work majors not involved in the honors concentration may register with permission of the instructor and successful completion of Social Work 417 with a grade of B or above.*

CHANCELLOR'S HONORS PROGRAM

All changes effective Fall 2010

I: COURSE CHANGES

(983) (UNHO) University Honors

ADD

497 Honors Thesis Research (3) Research involving substantial scholarly, scientific, or artistic endeavor representing the culmination of a student's undergraduate education.

Grading Restriction: Letter grade only.

ADD (RENUMBERED COURSE)

498 Honors Thesis Project (3) Substantial scholarly, scientific, or artistic endeavor representing the culmination of a student's undergraduate education. Required of all Chancellor's Honors Program students not completing an equivalent senior project for an academic department or program.

DROP (RENUMBERED COURSE)

499 Senior Honors Project (3)

Current Course (983) (UNHO) University Honors	Equivalent Course Fall 2010 (983) (UNHO) University Honors
499	498

II: PROGRAM CHANGES

REVISE PROGRAM TEXT (FIRST PARAGRAPH)

In the first paragraph:

- Revise first sentence:
The Chancellor's Honors Program is the University of Tennessee's principal honors program, serving between 5% and 10% of students and representing the majors in all nine of the university's undergraduate colleges.
- Revise fourth sentence:
Based in Morrill Hall, the Honors Community, a living/learning program, welcomes first-year and returning students, while other specialized programs are geared primarily for returning students. Prominent among these are the Honors Council, which is the Chancellor's Honors Program student government, the Honors Ambassador Program, which provides liaison with program constituents, and the Honors Peer Advisor Program, in which advanced students advise and mentor their peers.
- Revise fifth sentence:
Chancellor's Honors students may also benefit from exclusive grants in support of required Honors Thesis projects and required international and intercultural learning.

Formerly: The Chancellor's Honors Program is the University of Tennessee's principal honors program, serving 5% of students and representing the majors in all nine of the university's undergraduate colleges. The Chancellor's Honors Program is built on four cornerstones: course work, community, research, and participation in the Ready for the World Initiative. Featuring limited enrollments and dynamic faculty, enhanced and enriched honors course work is offered by the Chancellor's Honors Program, as well as by departments across the university. Based in Morrill Hall, the honors living/learning community welcomes first-year, as well as returning, Chancellor's Honors students, as does the Honors Council, the Chancellor's Honors Program student government. Chancellor's Honors students may also benefit from exclusive grants in support of required Senior Projects and required international or intercultural learning. In recognition of their exceptional academic achievement, Chancellor's Honors students receive special graduation recognitions.

REVISE PROGRAM TEXT (ELIGIBILITY HEADING)

- Revise first sentence:
The Chancellor's Honors Program is available to entering first-year students, current first- and second-year students, and qualified transfer students.

- Drop second paragraph.

Formerly: The Chancellor's Honors Program is available to entering freshmen and to qualified transfer and sophomore students. High school seniors with superior academic credentials are encouraged to apply. While there is no required minimum high school GPA or minimum ACT/SAT score, recent entering classes have had an average high school GPA of 4.0 and an average composite ACT of 31. Transfer students who have earned at least a 3.5 GPA in another honors program are eligible to apply, as are continuing UT students who have earned a minimum GPA of 3.25 on courses taken at UT Knoxville.

REVISE PROGRAM TEXT (REQUIREMENTS HEADING)

In addition to the requirements of their respective colleges, Chancellor's Honors students complete:

- One 1-credit University Honors seminar (University Honors 100).
- Seven 3-credit (or more) honors courses. These may include lower-level general education honors courses and upper-level honors courses. Only upper-level courses are eligible for the honors-by-contract option.¹
- One 3-credit Honors Thesis project (University Honors 498 or equivalent approved by CHP).

TOTAL: 25 credit hours of honors coursework

Formerly:

In addition to required work in their respective colleges, Chancellor's Honors students complete

- ENGL 118 (required), except for (1) incoming students with a 4 or 5 on the Literature and Composition AP test or with dual-enrollment credit for ENGL 101 and ENGL 102, and (2) incoming students with a 4 or 5 on the Language and Composition AP test or with dual-enrollment credit for ENGL 101 (and who must, therefore, enroll in ENGL 102).
- One 1-credit University Honors seminar (University Honors 100).
- One 200-level University Honors seminar to be completed during the second semester of freshman year.
- Four additional 100- or 200- level honors courses selected from University Honors courses or departmental honors offerings.
- Two upper-division honors courses in their major (Honors-by-Contract or Honors Independent Study may be substituted).¹
- One 3-credit senior project (University Honors 499 or equivalent approved by CHP).

TOTAL: 25-28 credit hours of honors course work.

GENERAL EDUCATION COMMITTEE REPORT

All changes effective Fall 2010

December 9, 2009 and January 13, 2010 Minutes

- The following courses were approved for gen ed:
 - WC
 - ALEC 440 - Communication Techniques in Agriculture
 - ENGL 376 - Colloquium in Literature
 - ENGL 264 - Introduction to Fiction Writing
 - Drop: AGEE 440; ENGL 363, 364; JREM 201; NURS 403; PLSC 448
 - AH
 - ENGL 207, 208, 237, 238, 258 (honors version of existing courses)
 - OC
 - ALEC 240 – Presentation and Sales Strategies for Agricultural Audiences
 - Drop: NURS 341
 - NS
 - BIOL 138-148 (honors version of existing courses)
 - GEOL 104 – Exploring the Planets
 - CC
 - UH 277 – Topic: Christians, Jews, and Muslims in Medieval Spain
 - CSE 200 – Survey of International Education
- All current gen ed courses that are being modified during the current curriculum cycle were also reviewed and received continued approval.
- At the December 9th meeting, the committee discussed a draft of a proposal for transferring general education courses from TBR and UT system 4-year schools. The statement was approved (with minor revisions) at the January 13th meeting. An additional meeting has been scheduled for January 27th at 8:30am.
 - Statement: "For students transferring from a 4-year Tennessee Board of Regents or University of Tennessee System campus, courses that transfer to UTK that count toward the general education requirements on that campus will count toward the corresponding general education requirement at UTK. Transfer students must still satisfy all college and major degree requirements."
 - Background: Last year the committee passed a policy that any student completing an associate's degree at a 2-year TBR school, and who transferred to UTK, would have met UTK's general education requirements. The policy was drafted in response to a piece of legislation passed in 200?, based partly on efforts to increase the number of TN citizens with college degrees. UT system folks who work with the legislation determined that this was not adequate and that seamless transferability of gen ed across all UT and TBR schools was required.
 - Action: The Provost called a meeting of relevant parties for discussion

of this issue. The initial proposal was similar to the one the gen ed committee passed: if a student completed gen ed at one of the TBR or UT system campuses then they would be considered as having completed gen ed at UTK. Two alternatives were proposed: one would credit students with completing gen ed by area if completed at the TBR/UT system campus. The other, and the one that seemed to work the best, was to credit transfer students for gen ed courses that they transferred to UTK.

- Concerns/Responses:
 - Reduction of the quality of gen ed or a UTK degree - By making it course-by-course, applying it based on a student's status (transfer), and still applying college and major requirements, we maintain appropriate control and integrity of our curriculum, and still provide the required openness to transfers. Many of the courses that will transfer and get credit already transfer in as specific gen ed courses; others that have no equivalence will basically get an automatic petition-to-count from this process.
 - Implementation difficulties - With the current SIS system it is not possible to make this work, but with the new Banner System, it will be possible to flag courses to designate them as 'gen ed'. There is still some work to be done in identifying (certifying?) that courses are gen ed on the source campus, but fortunately the TBR schools have a fairly short list of gen ed courses and have a common numbering system, so it should be more manageable.
 - Math - TBR only requires 1 math course and includes 2 courses (119 & 130) that UTK specifically does not include in gen ed. There is some loss against our gen ed requirements; it may not have such a big impact as many majors and colleges require specific math courses and don't allow 119 & 130 to count. Also, students will still have to take an additional math course.
 - US History - TBR schools have required US History, but that requirement is being loosened to allow (require?) students to take a non-US History. Also, UTK has the same issues as with math in that many colleges specify that students must take a non-US History, so this won't have a broad impact.
- Next Meeting (8:30am, UC 220)
 - 2/10/10

January 27, 2010 Minutes

The general education committee met to discuss the recent legislation passed by the state's General Assembly. The committee rescinded the catalog statement drafted at the January gen ed meeting and approved a revised policy submitted by Sally McMillan (see next page). Essentially, the policy extends transferability of gen ed courses to those students who have completed gen ed subject categories (i.e. natural sciences) but who may not have completed an associate's degree. The policy also extends gen ed transferability to 4-year Tennessee Board of Regents (TBR) schools. To assist with advising, each institution's registrar will be responsible for certifying native students' completion of gen ed categories beginning in fall 2011. Certifications will not be retroactive.

Revised General Education Policy**Students Applying for Transfer Prior to Degree Completion**

The University of Tennessee, Knoxville (UTK) has a competitive admission process for transfer students. The admission decision for transfer students with fewer than 30 earned transferable college-level hours will be based on their high school GPA, ACT/SAT scores, and a minimum required college GPA of 2.50. At the time of application, a transfer applicant must have completed at least 15 credit hours of transferable college work.

The admission decision for transfer students with at least 30 earned transferable college-level hours will be based largely on students' academic performance at their previous institution(s). In order to be considered for admission to UTK, a transfer applicant must have a minimum of a 2.00 grade point average (on a 4-point scale) in college credit courses eligible for transfer credit. Academic colleges or departments may require greater than a 2.00 for acceptance into certain programs. Transfer grade averages are calculated by UTK and frequently differ from averages calculated by other institutions. Only those courses in which at least a grade of C was earned will be eligible for transfer credit. Grades earned at other colleges and universities are used only for admission, course placement, and other academic decisions. Beginning with the entering class of Fall 2009, the transfer admissibility GPA will be calculated using all grades attempted, including repeated coursework, in college level or non-remedial courses.

Prior to graduating from UTK, transfer students must have completed their last 30 semester hours of credit at UTK and their last 60 semester hours of credit at a four-year college or university.

Students Applying for Transfer WITH an Associate of Arts or Associate of Science Degree from Tennessee Board of Regents (TBR) Community Colleges

Transfer applicants with a 2.0 college GPA (on a 4-point scale) in college-level, transferable courses who complete the Associate of Arts (AA) or the Associate of Science (AS) degree from the TBR community college system will be admissible to UTK. Academic colleges or departments may require greater than a 2.00 for acceptance into certain programs. Transfer grade averages are calculated by UTK and frequently differ from averages calculated by other institutions. Beginning with the entering class of Fall 2009, the transfer admissibility GPA will be calculated using all grades attempted, including repeated coursework, in college level or non-remedial courses.

AA and AS graduates will have fulfilled the general education requirement established by the faculty at UTK. Transfer of general education courses from the TBR community colleges is guaranteed through the following guidelines:

- Upon completion of the AA or AS degree, the requirements of general education will be complete and accepted by UTK in the transfer process without loss of credit.
- Upon completion of the AA or AS degree, transfer credit for D's or higher will be granted as part of the transfer process.

Students should be aware that many UTK majors require completion of an intermediate level sequence of a foreign language, and some majors require more advanced math and science requirements than required by TBR community college majors. Following one of the published UTK articulation agreements is the best path to enter UTK with junior standing in a transfer student's chosen UTK major.

Transfer students should review the detailed transfer information on major/degree requirements for their prospective UTK major. The following link contains information to assist transfer students in determining these requirements:

<http://registrar.tennessee.edu/transfer/agreements.shtml>

Grades earned at other colleges and universities are used only for admission, course placement, and other academic decisions. Prior to graduating from UTK, transfer students must have completed their last 30 semester hours of credit at UTK and their last 60 semester hours of credit at a four-year college or university.

Students Applying for Transfer from University of Tennessee (UT) or Tennessee Board of Regents (TBR) Colleges and Universities WITHOUT a completed Associate of Arts or Associate of Science Degree (Effective Fall 2011)

Transfer applicants from institutions in the University of Tennessee (UT) or Tennessee Board of Regents (TBR) systems who have not earned an Associate of Arts or Associate of Science Degree but who have been certified by the institution from which they are transferring as having completed all the general education requirements of that institution will have completed general education requirements for the University of Tennessee, Knoxville (UTK). They will not be required to take any additional coursework to meet general education requirements at UTK. Similarly, transfer applicants from institutions in UT or TBR systems who have been certified by the institution from which they are transferring as having completed sub-section(s) of general education (e.g., Natural Sciences) at that institution will be credited for completing the same section (if it exists) at UTK. The acceptance of certified general education completion does not imply that the student has met any other admission or degree requirements UTK.

Certification of general education completion must be provided by the institution at which the courses were taken. Certification must occur at the time the student transfers to UTK. No retroactive certification will be accepted. Acceptance of certified completion of general education will begin at UTK in Fall 2011.

Students should be aware that many UTK majors require completion of an intermediate level sequence of a foreign language, and some majors require more advanced math and science requirements than required by other UT or TBR institutions. For students transferring from a TBR community college, following one of the published UTK articulation agreements is the best path to enter UTK with junior standing in a transfer student's chosen UTK major.

Transfer students should review the detailed transfer information on major/degree requirements for their prospective UTK major. The following link contains information to assist transfer students in determining these requirements:

<http://registrar.tennessee.edu/transfer/agreements.shtml>

Grades earned at other colleges and universities are used only for admission, course placement, and other academic decisions. Prior to graduating from UTK, transfer

students must have completed their last 30 semester hours of credit at UTK and their last 60 semester hours of credit at a four-year college or university.