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Undergraduate Council Meeting Minutes

Office of the Provost

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1-29-2008

## Undergraduate Council Minutes of Meeting January 29, 2008

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**The University of Tennessee, Knoxville**  
**Undergraduate Council**  
**Minutes of Meeting**  
**January 29, 2008**  
**2:00 p.m. – 8<sup>th</sup> Floor Board Room – Andy Holt Tower**

MEMBERS PRESENT: Michael Camp (student member), Don Clark, Sarah El-Ghazaly (student member), Denver Graninger, Rob Heller, John Koontz, Jon Levin, Norman Magden, Mark Moon, Johnnie Mozingo, Bill Park, Chris Pionke, John Romeiser (Chair), Harold Roth, Casey Sams, Mark Schimmenti, Matthew Theriot (also ex-officio), Dixie Thompson, Pavlos Tzermias

EX-OFFICIO MEMBERS PRESENT: Mary Albrecht, Fadia Alvic (for George Hoemann), Richard Bayer, Don Cox, Tom George, Sally McMillan, Ruth Darling, Fred Pierce, Rita Smith, Pia Wood

The meeting was called to order at 2:00 p.m. by John Romeiser, Chair.

The [Minutes of the October 30, 2007](#), meeting of the Undergraduate Council were approved.

**COMMITTEE REPORTS**

- [Academic Policy Committee](#) - Norman Magden
- [Advising Committee](#) – Ruth Darling
- **Appeals Committee** - Bill Park

A training session was held early in the fall for new committee members. Fall readmission applications were reviewed through late October and November. In January, approximately a dozen fall dismissals have been reviewed. A detailed report will be provided at the next meeting.

- [Curriculum Committee](#) - Johnnie Mozingo
- [General Education Committee](#) - Chuck Collins

**ANNOUNCEMENTS AND OTHER BUSINESS**

Items on the agenda for the March meeting will be proposals for By-laws changes and the appointment of a Nominating Committee for Council Chair.

The meeting was adjourned at 2:50 p.m.

**2008 Meeting Dates**  
**2:00 p.m. - 8<sup>th</sup> Floor Board Room - Andy Holt Tower**

**March 4, 2008**  
**April 22, 2008**

Undergraduate Council Web site: <http://web.utk.edu/~ugcouncil/>

**ACADEMIC POLICY COMMITTEE****All changes effective Fall 2008**

REVISE CHANGES IN REGISTRATION POLICY AND COUNTING WF IN GPA

October 25, 2007

To: Academic Policy Committee  
From: Todd Diacon, Professor of History/Vice Provost  
Re: Withdrawal Deadline Proposal

*Proposal: Extend the deadline for withdrawing from a course with a W to the 63<sup>d</sup> day of the semester; maintain the current WP and WF drop deadlines (84<sup>th</sup> day); discontinue counting the WF grade in a student's grade point average.*

Make the following changes in the *Undergraduate Catalog* to reflect the above:

Revise last sentence before Undergraduate Grades chart (regarding GPA calculation) to: not including hours for which grades of I, N, NC, NR, P, S, W, WP, and WF have been received.

Delete WF from Undergraduate Grades chart and revise note following the chart to read:  
Note: WP and WF carry no quality points or credit hours.

Revise second bullet under Changes in Registration to:

- From the 11<sup>th</sup> day until the 63<sup>d</sup> calendar day, students may drop courses which will receive the notation of W (Withdrawn) for full term courses in Fall and Spring.

Revise fifth bullet under Changes in Registration to:

- After the 63<sup>d</sup> day and to the 84<sup>th</sup> calendar day of classes, . . .

Delete sixth bullet under Changes in Registration.

- ~~The WF is calculated in the grade point average as an F.~~

Under heading, Grades that do not Influence Grade Point Average, revise as follows:

Bullet 3 - W (Withdrawn) - change forty-first calendar day to 63<sup>rd</sup> calendar day  
Bullet 4 - WP (Withdrawn Passing) - change forty-second calendar day to 63<sup>rd</sup> calendar day

Add Bullet 5: WF (Withdrawn Failing) is assigned in courses when a student withdraws from a course after the 63<sup>rd</sup> calendar day of classes and is failing the course at the time of withdrawal.

Under Repeating Courses - first paragraph (regarding first three repeated lower-division courses):

Delete: A grade of WF counts as one of the repeats covered in this policy.  
Revise next sentence to: Grades of W, WP, and WF do not count as one of the repeats covered by this policy.

## Rationale:

The current W deadline (41<sup>st</sup> day of the semester) is before midterm. This forces students to make course withdrawal decisions too early and with too little information as it does not allow them to include performance on midterm examinations in their decision making.

The proposed 63d day deadline is 2 weeks after midterm, and allows students to make better informed decisions based on the added information of midterm examination and assignment grades.

The 63d day deadline is 5 weeks before the end of classes. This allows ample time for students who withdraw from a course to devote added time to improving their performance in remaining courses.

This change will place us more in line with peer and aspirational peer universities.

The WF, when counted in a student's grade point average, is redundant of the F grade. The appearance of a WF on the transcript is sufficient notice of, and punishment for, the student's performance in a course at the time of the drop.

Comparison with Association of American University (AAU aspirational peer) schools (last day to drop a course with a W notation on the transcript):

University of North Carolina, Chapel Hill: 55<sup>th</sup> day; University of Wisconsin-Madison: 59<sup>th</sup> day; University of Michigan: 70<sup>th</sup> day; UGA: 57<sup>th</sup> day; Florida: 88<sup>th</sup> day; Texas: 51<sup>st</sup> day; Indiana: W deadline is 58<sup>th</sup> day (\$8 fee); University of Washington: W deadline is 46<sup>th</sup> day (\$20 fee); Penn State: WP, WF, WN (no grade-not calculated in gpa) deadline is 60<sup>th</sup> day; University of Kansas: WP, WF (not calculated in gpa) deadline is 81<sup>st</sup> day.

## REVISE SENIORS ELIGIBLE FOR GRADUATE CREDIT POLICY

*Undergraduate Catalog* - page 41 - Seniors Eligible for Graduate Credit

Revise last bullet

FROM: Courses taken for graduate credit may not be used for both the baccalaureate and a graduate degree.

TO: Courses taken for graduate credit may not be used for both the baccalaureate and a graduate degree program except in the case of approved dual bachelor's/master's programs.

## REVISE CLASS ATTENDANCE AND ELIGIBILITY POLICY

On page 38 of the 2007-2008 *Undergraduate Catalog*, insert the following sentence as a separate opening paragraph.

Academic success is built upon regular class attendance. At the University of Tennessee students are expected to attend all of their scheduled classes.

## REVISE GENERAL REQUIREMENTS FOR A BACHELOR'S DEGREE

On page 46 of the 2007-2008 *Undergraduate Catalog*, replace the last sentence in the bullet addressing the 30 hour residence requirement with the following sentence.

Special arrangements to allow study abroad courses, work taken at other University of Tennessee campuses, and all other requests for waiving this requirement must be approved by the dean of the college in which the student is enrolled.

Formerly: Special arrangements to allow work taken at other University of Tennessee campuses to be counted as part of this requirement must be approved by the dean of the student's major college.

## Academic Probation and Academic Dismissal

Based upon a study of Academic Review/Probation/Dismissal Policies at THEC Peer Institutions, the Academic Review Workgroup put forth the following recommendations to serve as discussion points for revising the current policies:

- The focus of the proposed revisions should be on early intervention and helping students make successful progress toward degree completion.
- It was recommended that the term “Academic Review” be changed to “Academic Probation” to provide students with an earlier awareness of the seriousness of poor academic performance.
- It was recommended that dismissal decisions will be based upon students maintaining a minimum 2.00 cumulative GPA rather than deficiency points which are confusing to students.
- Once a student is placed on probation, the next term he/she receives less than a 2.00 GPA, he/she would be automatically suspended. This was recommended to simplify the process, and incorporate a uniform/automated model for dismissal. Such a model can be achieved by implementing a computer-based dismissal system which is possible with technology improvements.
- A student released from his or her college with a cumulative grade point average of 2.00 or higher may seek admission to an alternate college and major. Releasing students who are not making progress in meeting degree requirements provides an opportunity to provide early intervention and re-direction to these students. The committee felt it was important to separate the issue of releasing students from that of academic dismissal. A student released from a college but not suspended from the university is classified as a University Student and is advised in the College of Arts and Sciences.
- The Academic Review Workgroup examined one year of data to determine the impact the proposed policy would have on academic dismissals at the university. Using academic review and dismissal data from Fall 2006 and Spring 2007, the Workgroup found that if the proposed policy had been in place for those terms, approximately 100 more students would have been academically suspended. It is important to note, though, that the Workgroup also found that about half of those students who were not dismissed under the current policy would have been dismissed the following term anyway. Thus, the current policy allowed students to accumulate more deficiency points and damage their academic record further. The proposed policy would intervene with students at an earlier point.

### Proposed Changes to Catalog Copy:

**Change the section titled “Academic Review and Pending Academic Dismissal” page 44 and the section titled “Academic Dismissal” on page 45:**

#### To:

#### **Academic Probation**

A student will be placed on Academic Probation when (1) his/her cumulative GPA falls below the minimum acceptable level of 2.00 for one semester **or** (2) the semester GPA falls below the minimum acceptable level of 2.00 two consecutive terms of enrollment. During the semester that a student is placed on Academic Probation, and any other semesters in Academic Probation, a student must participate in a special directive advising program to help the student address concerns that are impacting his/her academic performance, and to outline a plan for achieving academic success. This model of early intervention is designed to help students regroup and position themselves for academic success.

Students on Academic Probation status during a term will automatically be suspended at the end of that term if **both**:

- The cumulative GPA is below a 2.00, and
- The term GPA is below a 2.00

A student will no longer be on academic probation when his or her cumulative grade point average is 2.00 or higher and the term grade point average is 2.00 or higher. This policy is in place in recognition of the University of Tennessee, Knoxville’s minimum grade point average of 2.00 for graduation.

#### **Academic Dismissal**

Academic Dismissal is the end result of a pattern of receiving grades that are below the university’s standards for good academic standing (GPA of 2.00 or better).

Students who have been academically dismissed, are not eligible to enroll in classes, either full-time or part-time at the University of Tennessee (including correspondence and on-line courses). Academically dismissed students are not permitted to live in university housing and no longer have the privileges provided through the UT student identification card (VolCard). Academically dismissed students must remain away from the university for a mandatory absence and should use the period of dismissal to reflect on and address the factors that led to poor performance.

- **First Academic Dismissal**  
A student dismissed for the first time may not be readmitted until after a full semester (not including summer) has elapsed.
- **Second Academic Dismissal**  
A student dismissed for the second time may be readmitted after one calendar year has elapsed and after completing a minimum of 12 semester credits of academic coursework with at least a 2.50 cumulative grade point average from accredited institution(s) of higher education. Students who have been dismissed twice are required to meet with the Undergraduate Council Appeals Committee. Students may be readmitted only when they present evidence that they are capable of performing at the level required to meet university academic standards and completing all degree requirements within a reasonable length of time.
- **Third Academic Dismissal**  
After a third dismissal, a student is ineligible to attend the university and may not apply for readmission.

Students who have been academically dismissed and who are readmitted will be dismissed again if they fail to earn a 2.00 minimum term GPA at the end of the first semester after readmission and every term thereafter until the cumulative GPA reaches a 2.00.

For further information on readmission after academic dismissal, see Readmission to the University under the Admission to the University section of this catalog.

**Change the section title “Readmission to the University” on page 26:**

**To:**

A student who previously attended UT Knoxville as a non-degree seeking student and wishes to re-enter as a degree-seeking student must complete an application for undergraduate admission. A student who has attended another college or university since attending the University of Tennessee, Knoxville, must have an official transcript sent to the Office of Undergraduate Admissions.

For specific deadline dates, students should contact the Office of Undergraduate Admissions or visit <http://admissionsutk.edu/undergraduate/prfilingdates.shtml>.

**Readmission after Academic Dismissal**

Students who have been academically dismissed from UT Knoxville must apply for readmission by June 1 for fall, November 1 for spring, and April 1 for summer. Submitting an application does not guarantee admission.

- **First Academic Dismissal**  
A student dismissed for the first time may not be readmitted until after a full semester (not including summer) has elapsed.
- **Second Academic Dismissed**  
A student dismissed for the second time may be readmitted after one calendar year has elapsed and after completing a minimum of 12 semester credits of academic coursework with at least a 2.50 cumulative grade point average from accredited institution(s) of higher education. Students who have been dismissed twice are required to meet with the Undergraduate Council Appeals Committee. Students may be readmitted only when they present evidence that they are capable of performing at the level required to meet university academic standards and completing all degree requirements within a reasonable length of time.

- **Third Academic Dismissed**

After a third dismissal, a student is ineligible to attend the university and may not apply for readmission.

Students who have been dismissed and are readmitted will be required to participate in a special program that emphasizes academic success skills and strategies.

Students who have been academically dismissed and who are readmitted will be dismissed again if they fail to earn a 2.00 minimum term GPA at the end of the first semester after readmission and every term thereafter until the cumulative GPA reaches a 2.00.

## ADVISING COMMITTEE

Advising Committee Report  
Undergraduate Council  
January 29, 2008

The Advising Committee met on January 24, 2008. The following reports were presented by various members of the committee:

1. Update on University Housing initiatives including a reception honoring students who earned 3.75 and above this past fall term and a Student Success Center and Hall Director intervention involving students who earned below a 2.0 this past fall term.
2. Early Alert schedule and process for Spring term 2008.
3. TennACADA meeting topics for spring term: Facebook technology and advising, diversity concerns in advising, and outreach to students through T-Talkin'.
4. Academic Success Workshops are in their final week – over 500 first year students whose fall GPA fell below a 2.0 have participated in the required workshops.
5. Update on the Academic Advising Sub-Committee of the Strategic Planning Committee including membership, goals and timeline for report.
6. A special meeting with Advising Deans and Directors to discuss progress on the Advising Program Review/Audit, scheduled for February 25 – 27 was held after the regular meeting. Formatting for the college reports was discussed as well as the interview schedule for the two days.

Comprehensive meeting notes and handouts are posted on the Advising Committee's Blackboard site.



**CURRICULUM COMMITTEE**

The Curriculum Committee met Tuesday, January 15, 2008, at 2:00 p.m. - 8<sup>th</sup> Floor Board Room - Andy Holt Tower.

Members present: Denver Graninger, Mark Moon, Johnie Mozingo (Chair), Bill Park, Chris Pionke, Casey Sams, Matthew Theriot (also ex-officio), Dixie Lee Thompson

Ex-Officio Members present: Don Cox, Tom George, Fred Pierce, John Romeiser

Others Attending: Mary Albrecht, Monique Anderson, Kim Campbell, Jennifer Hardy, Sally McMillan, Masood Parang, Margie Russell, G.V. Smith

Curricular proposals submitted by the following were reviewed and approved with minor corrections/revisions:

- 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
- University Studies

The meeting was adjourned at 4:00 p.m.

**Next Curriculum Committee Meeting**  
**April 8, 2008 - 3:30 p.m. - 4<sup>th</sup> Floor Conference Room - Andy Holt Tower**

★ Indicates courses with a General Education designation.

● Indicates majors, concentrations, minors that are being dropped/added.

## COLLEGE OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES

All changes effective Fall 2008

### I. COURSE CHANGES

#### DEPARTMENT OF AGRICULTURAL ECONOMICS

##### (047) Agricultural Economics

DROP

**330 Economics of Agricultural Biotechnology (3)**

**337 Honors: Economics of Agricultural Biotechnology (3)**

**450 Agricultural Industry Analysis and Forecasting (3)**

ADD

**324 Quantitative Methods in Agricultural Economics (3)** Quantitative analytical tools used in economics and business. Simple and multiple linear regression techniques applied to economic data. Analysis of cross-section and time series data. Optimization techniques applied to economic and business decisions.

*(RE) Prerequisite(s): Statistics 201.*

*(RE) Corequisite(s): 320.*

#### EQUIVALENCY TABLE

Current Course	Equivalent Course Fall 2008
<b>Agricultural Economics (047)</b>	<b>Agricultural Economics (047)</b>
450 Agricultural Industry Analysis and Forecasting	324 Quantitative Methods in Agricultural Economics

**201 Economics of the Global Food and Fiber System (4)** Introduction to microeconomic and macroeconomic principles and their application to the global food and fiber system. Specific topics include consumer and producer behavior, market equilibrium, monetary and fiscal policy, and international trade.

**471 Applied 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): Economics 201.*

REVISE TITLE AND DESCRIPTION

**315 Agricultural and Environmental Law (3)** Survey of legal topics related to agriculture and the natural environment. Topics include introduction to legal system, real property, civil liabilities, contracts, commercial transactions, environmental and natural resource regulation, farm and business organization, estate planning, and effective utilization of legal counsel.

Formerly:

Agricultural Law (3) Survey of legal topics related to agribusiness operations and production agriculture in Tennessee. Topics include introduction to legal system, torts, property, contracts, farm and business organization, environmental and natural resource regulation, estate planning, and effective utilization of legal counsel.

REVISE TITLE

**350 The Food and Agricultural Marketing System (3)**

REVISE TITLE

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

REVISE DESCRIPTION

**470 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.

**AGRICULTURE AND NATURAL RESOURCES (INTERDEPARTMENTAL UNIT)****(042) Agricultural and Extension Education**

DROP

**420 Methods of Teaching Agricultural Mechanics (2)**

ADD NEW ACADEMIC DISCIPLINE AND COURSES

**(043) Agricultural and Natural Resource Leadership**

ADD

**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 Leadership Development in Small Groups and Teams (3)** Learning about 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.

**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.

**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.

**412 Seminar in Agricultural and Natural Resource Leadership (1)** Analyzing contemporary issues in the field of agricultural and natural resource leadership.

*Repeatability: May be repeated. Maximum 2 hours.*

**492 Internship in Agricultural and Natural Resource Leadership (3)** Pre-approved supervised experience with agricultural firm or organization in the area of leadership.

*Repeatability: May be repeated. Maximum 6 hours.*

**DEPARTMENT OF BIOSYSTEMS ENGINEERING AND SOIL SCIENCES****(196) Biosystems Engineering**

REVISE TITLE OF PRIMARY CROSS-LISTED COURSE AND ADD (DE) PREREQUISITE

**416 Hydrology** (Same as Civil Engineering 416.)

*(DE) Prerequisite(s): Statistics 251.*

**(194) Biosystems Engineering Technology**

DROP

**212 Surveying (3)**

ADD

**412 Surveying (3)** Measurement of landforms using radar, remote imagery, satellite real-time kinematics, and laser-based surveying instruments. Survey methods and mapping using GIS. Precision landform measurement of distances, angles, and areas; differential and profile leveling; topographic surveying and mapping; area computation.

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

*Recommended Background: College mathematics and computer literacy.*

## EQUIVALENCY TABLE

Current Course	Equivalent Course Fall 2008
<b>Biosystems Engineering Technology (194)</b>	<b>Biosystems Engineering Technology (194)</b>
212 Surveying	412 Surveying

**(345) Environmental and Soil Sciences**

ADD CREDIT RESTRICTION

**444 Environmental Soil Physics (3)***Credit Restriction: Students cannot receive credit for both 444 and 544.***DEPARTMENT OF FORESTRY, WILDLIFE AND FISHERIES****(398) Forestry, Wildlife and Fisheries**

REVISE TITLE, DESCRIPTION, ADD REGISTRATION RESTRICTION

**412 Human Dimensions of Natural Resources (3)** Natural resource management as a social process focusing on human, social and organizational factors. Managing the self, multiple relationships, and conflicting public wants. Influences of human values, attitudes and behaviors, and place, and those of organizational and professional cultures. Stakeholder and collaborative approaches to natural resource management, partnerships, public involvement, and conflict management.

*Registration Restriction(s): Minimum student level - senior.***(993) Wildlife and Fisheries Science**

ADD

**295 Practicum in Wildlife and Fisheries Sciences (1-3)** Designed to give students practical, hands-on wildlife and/or fisheries experience working with a state, federal, or private natural resources organization. Provides credit for approved employment in natural resources management or research, 1 hour credit for every 160 hours of work. Students may find work on their own or with faculty assistance. Students must submit an approved work plan to their advisor, keep a daily log submitted every 2 weeks and prepare a final written report.

*Repeatability: May be repeated. Maximum 6 hours**Comment(s): Restricted to forestry and wildlife and fisheries science majors.*

**431 Wildlife Physiology and Nutrition (3)** An introduction and overview of the physiological and nutritional mechanisms important behind the regulation of wild animal populations (primarily wild birds and mammals). Wildlife responses to seasonal changes in habitat are critical for understanding management options. Discussion of use of chemical immobilization options, physiological indicators, and genetic analysis of wild animal population dynamics.

*Credit Restriction: Students may not receive credit for both 431 and 531.*

DROP

**201 Ecology and Management of Wildlife Health (1)**

REVISE TITLE, DESCRIPTION AND DELETE (RE) PREREQUISITES

**301 Ecology and Management of Wildlife Health (3)** Review of ecological and environmental factors affecting wildlife health, and tools available for effective wildlife disease surveillance and management. Emphasis on the importance of multidisciplinary and interagency collaboration for management of wildlife health problems.

REVISE CREDIT HOURS

**496 Internship in Wildlife and Fisheries (3)****DEPARTMENT OF PLANT SCIENCES****(791) Plant Sciences**

ADD

**465 Biofuel Crop Ecology (2)** Studies of the fundamental ecological, biochemical, functional, and agronomic aspects of bioenergy feedstocks, in the context of three distinct systems: ethanol from simple sugars, ethanol from structural carbohydrates, and diesel from oil crops. Special attention will be given to current technological paradigms in biology and materials science, as well as considerations of tradeoffs in terms of domestic security and impacts on the domestic food supply and ecology.

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

**475 Professional Issues in Bioenergy (3)** Study and discussion of professional issues and practices in the bioenergy field, including economics, policy, engineering, processing, agronomy, biotechnology.

*Registration Restriction(s): Minimum student level - junior.*

REVISE TITLE AND DESCRIPTION

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

ADD CREDIT RESTRICTION

**454 Plant Biotechniques (3)**

*Credit Restriction: Students may not receive credit for both 454 and 554.*

REVISE CREDIT HOURS

**226 Public Horticulture (3)**

**436 Plant and Garden Photography (3)**

REVISE CREDIT HOURS, DELETE CONTACT HOUR DISTRIBUTION, ADD (DE) PREREQUISITE

**435 Field and Forage Crops (3)**

*(DE) Prerequisite(s): 250.*

REVISE TITLE

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

REVISE CONTACT HOUR DISTRIBUTION

**421 Native Plants in the Landscape (3)**

*Contact Hour Distribution: One 1.5-hour lecture, one 4-hour lab.*

REVISE (RE) PREREQUISITES

**348 Landscape Plant Physiology (2)**

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

DELETE (RE) PREREQUISITES

**290 Fall Herbaceous Ornamental Plants (3)**

**291 Spring Herbaceous Ornamental Plants (3)**

**429 Field Study of Public Horticulture Institutions (2)**

## II. PROGRAM CHANGES

### DEPARTMENT OF AGRICULTURAL ECONOMICS

- DROP AGRICULTURAL ECONOMICS AND BUSINESS MAJOR (BACHELOR OF SCIENCE IN AGRICULTURE)  
AGRICULTURAL EQUIPMENT SYSTEMS MANAGEMENT CONCENTRATION
- DROP AGRICULTURAL ECONOMICS AND BUSINESS MINOR
- ADD FOOD AND AGRICULTURAL BUSINESS MAJOR  
AGRICULTURAL EQUIPMENT SYSTEMS MANAGEMENT CONCENTRATION
- ADD FOOD AND AGRICULTURAL BUSINESS MINOR

**From:** High, Katherine Noel  
**Sent:** Friday, November 30, 2007 2:54 PM  
**To:** Mary L Albrecht/AGDEANS/COL/UTIA  
**Cc:** Rayman, Brenda L  
**Subject:** Establishment of Sub-majors in the Department of Ag Economics

Mary,  
 Your request to rename the following major does not require Board of Trustees or THEC approval:

**Current**

College: CASNR  
 Department: Ag Economics  
 Major: Ag Economics and Business

**Proposed**

College: CASNR  
 Department: Ag Economics  
 Major: Food and Agricultural Business

Please let me know when the name change becomes effective, and I will make the appropriate changes in the UT Comprehensive Listing of Academic Programs and notify THEC to make changes in the THEC Academic Inventory.

Thanks,  
 Katie

On pages 49-51 of the 2007-2008 *Undergraduate Catalog*, replace catalog text and showcases to reflect the above changes.

**FOOD AND AGRICULTURAL BUSINESS MAJOR**

**Advisors**

McLemore, Park, and Riley

Students majoring in food and agricultural business are prepared for a wide variety of career opportunities. The focus of their studies is on the functioning of the agri-food sector in the global economic system and the economic principles for decision making by business managers, consumers, policymakers and others within that sector. Students complete a curriculum designed to provide them with a broad-based education and the specialized skills necessary for a successful career in the agri-food industry or with a related organization or public agency. The curriculum builds upon the university-wide general education requirements by adding a set of directed electives from within the College of Agricultural Sciences and Natural Resources, a set of core courses from within the College of Business Administration, and a set of required courses within the Department of Agricultural Economics. Students customize their program by selecting among upper-division electives within the department. General elective hours in the curriculum allow flexibility for students to pursue a minor within some area of technical agriculture or another field such as communications. Students have ample opportunity to develop strong microcomputer skills and gain practical real-world experiences through case study analyses, the NAMA marketing team, internships, and extracurricular activities.

Students graduating with a major in food and agricultural business have many career options. Many graduates take positions in management or marketing with businesses involved in the farm input supply sector. This would include large multinational corporations that manufacture inputs such as machinery, chemicals, and feed, as well as local retailers of such items. Other graduates manage operations involved in the production of agricultural commodities or the processing of food products. Graduates also find career opportunities with food distribution and retailing companies serving as managers, marketing representatives, or in areas of customer service and public relations. Graduates are employed in financial institutions, insurance agencies, or real estate companies. Many industry organizations and government agencies also have employment opportunities for our graduates. It is not uncommon for our graduates to take positions with businesses that are outside the agri-food industry. Graduates also find themselves well prepared for graduate study in agricultural economics or agribusiness management, as well as for professional programs such as law.

**Requirements for the Bachelor of Science in Agriculture - Food and Agricultural Business Major**

<b>First Year</b>	<b>Hours Credit</b>
Agricultural Economics 110 .....	1
Nutrition 100* .....	3
<sup>1</sup> Biological Science Elective* .....	4
<sup>2</sup> Cultures and Civilizations Electives* .....	6
English 101*, 102* .....	6
Mathematics 123*, 125* .....	6
Psychology 110* or Political Science 102* or Sociology 120* .....	3
 <b>Second Year</b>	
Accounting 200 .....	3
Economics 201*, 212 .....	7
Food Science and Technology 101 or 150 .....	3

Agricultural and Natural Resources 290 .....	3
Philosophy 243* .....	3
<sup>3</sup> Physical Sciences Electives* .....	8
Statistics 201* .....	3

**Third Year**

Agricultural Economics 310, 320, 324, 342, 350, 412 .....	16
Agricultural Extension Education 440* or English 360* or Journalism and Electronic Media 201* .....	3
<sup>4</sup> Nondepartmental CASNR Electives .....	6
Communication Studies 210* or 240* .....	3
<sup>2</sup> Arts and Humanities Electives .....	3

**Fourth Year**

Agricultural Economics 410, 442 .....	4
<sup>5</sup> Agricultural Economics Electives .....	12
Any 300-level Economics course .....	3
<sup>4</sup> Nondepartmental CASNR Electives .....	3
Free Electives .....	8

**Total 120**

\*Meets University General Education Requirement.

<sup>1</sup> Selected from Biology 101, 102, 130, 140.<sup>2</sup> Selected from any course on the University General Education list.<sup>3</sup> Selected from Chemistry 100, 110, 120, 130, Geography 131, 132, Geology 101, 102, 103, ESS 210.<sup>4</sup> Selected from any CASNR course with the following exceptions: (1) if Environmental and Soil Science 120 or 220 or Agricultural and Extension Education 440 are used to meet other requirements, they may not be used to meet this requirement; and (2) no more than three credit hours can be used from Animal Science 360 and 461.<sup>5</sup> A maximum of 3 credit hours can be used from each of the following courses: Agricultural Economics 356, 492 and 493.**AGRICULTURAL EQUIPMENT SYSTEMS MANAGEMENT CONCENTRATION**

The agricultural equipment systems management concentration is a unique interdisciplinary program that combines courses from the Food and Agricultural Business major with course from Biosystems Engineering Technology. Students develop a high degree of technical expertise with respect to agricultural equipment, as well as the ability to apply sound business and economic principles to management of a business. Graduates are particularly well prepared for career opportunities in the agricultural machinery industry as dealership managers, as well as with agribusiness firms in operations management.

Students in this concentration are strongly encouraged to obtain an industry internship that will complement their academic program.

**Requirements for the Bachelor of Science in Agriculture - Food and Agricultural Business Major - Agricultural Equipment Systems Management Concentration**

<b>First Year</b>	<b>Hours Credit</b>
Agricultural Economics 110 .....	1
Biology 111*, 112* .....	8
<sup>1</sup> Cultures and Civilizations* .....	6
English 101*, 102* .....	6
Mathematics 123*, 125* .....	6
Agricultural and Natural Resources 290 .....	3
<b>Second Year</b>	
Accounting 200 .....	3
Economics 201*, 212 .....	7
Biosystems Engineering Technology 202 .....	3
Chemistry 120* .....	4
Philosophy 243* .....	3
Physics 161* .....	3
Environmental and Soil Sciences 210 .....	4
Statistics 201* .....	3
<b>Third Year</b>	
Agricultural Economics 310, 320, 324, 342, 350, 412 .....	13
Environmental and Soil Sciences 324 .....	3
Biosystems Engineering Technology 326 .....	3
Agricultural Extension Education 440* or English 360* or Journalism and Electronic Media 201* .....	3
<sup>1</sup> Arts and Humanities Elective* .....	3
Communication Studies 210* or 240* .....	3

Psychology 110\* or Political Science 102\* or Sociology 120\* ..... 3

**Fourth Year**

Agricultural Economics 410, 442 ..... 4  
<sup>2</sup>Agricultural Economics Electives..... 9  
 Biosystems Engineering Technology 432, 442, 452, 462..... 12  
 Any 300-level Economics course..... 3  
 Statistics 320 or 365 ..... 3  
**Total 122**

\*Meets University General Education Requirement.

<sup>1</sup> Choose any course from University General Education list.

<sup>2</sup> A maximum of three credit hours can be used from each of the following courses: Agricultural Economics 356, 492 and 493.

**Minor in Food and Agricultural Business**

<b>Required Courses</b>	<b>Hours Credit</b>
Economics 201 .....	4
Agricultural Economics 212, 342, 350, 412 .....	12
Accounting 200 .....	3
Agricultural Economics Elective.....	3
	<b>Total 22</b>

● **ADD NATURAL RESOURCE AND ENVIRONMENTAL ECONOMICS MAJOR (BACHELOR OF SCIENCE IN AGRICULTURE) (PENDING THEC APPROVAL)**

On page 51 of the 2007-2008 *Undergraduate Catalog*, add:

**NATURAL RESOURCE AND ENVIRONMENTAL ECONOMICS MAJOR\*****Advisors**

Clark and Park

*\*This program is pending approval from the Tennessee Higher Education Commission. Students will be admitted to the major should the program be approved.*

Students majoring in natural resource and environmental economics are prepared for a variety of careers in both the private and public sectors. With increasing competition for limited land, water and other natural resources in the U.S. and throughout the world, as well as growing concern about environmental degradation of various sorts, there is a growing need for professionals who can assist in the process of balancing economic and environmental tradeoffs. Private firms face serious challenges in meeting stricter environmental regulations and achieving self-imposed environmental goals. Public agencies must continually seek to design policies so that society's resource conservation or environmental quality goals are achieved in a cost-effective manner.

The curriculum builds upon the university-wide general education requirements with a set of core courses in business and economics. Students then take advanced and specialized course work that focuses on the economic foundations for policies designed foster natural resource conservation or enhance environmental quality. The curriculum is highly interdisciplinary. Courses are required in the physical and environmental sciences covering subject matter such as conservation, ecology and forestry, as well as soil and water resource issues. Course work is required in environmental ethics, environmental law and other social science disciplines such as sociology. Students gain skills using tools such as geographic information systems for analysis of spatially-referenced data.

Students graduating with this major may find employment in private firms with environmental compliance activities or conservation initiatives directed toward energy or other natural resources. Opportunities also exist with consulting firms that assist clients in meeting environmental objectives. Many nonprofit environmental organizations seek to employ staff with economic training. Several federal government agencies, including the Environmental Protection Agency and the departments of Agriculture, Interior and Energy, employ natural resource and environmental economists. State and local government agencies also provide opportunities for employment. The major provides a strong background for graduate studies in natural resource and environmental economics, leading to career opportunities in teaching and/or research, as well as high-level policy positions. Students would also be well prepared to pursue a professional program in environmental law.

**Requirements for the Bachelor of Science in Agriculture - Natural Resource and Environmental Economics Major**

<b>First Year</b>	<b>Hours Credit</b>
Agricultural Economics 110 .....	1
Forestry, Wildlife and fisheries 250* .....	3
<sup>1</sup> Biological Science Elective* .....	4
Environmental and Soil Science 120* and 220* .....	6
English 101*, 102* .....	6
Mathematics 123*, 125* .....	6



Psychology 110\* or Political Science 102\* or Sociology 120\* ..... 3

**Second Year**

Accounting 200 ..... 3

Economics 201\*, 212 ..... 7

<sup>2</sup>Arts and Humanities Elective\* ..... 3

Agricultural and Natural Resources 290 ..... 3

Philosophy 245\* ..... 3

<sup>3</sup>Physical Sciences Elective\* ..... 4

Environmental and Soil Sciences 210 ..... 4

Statistics 201\* ..... 3

**Third Year**

Agricultural Economics 310, 315, 320, 342 or 350, 430 ..... 13

Economics 362 ..... 3

Biosystems Engineering Technology 326 ..... 3

<sup>4</sup>Nondepartmental CASNR Electives ..... 6

Communication Studies 210\* or 240\* ..... 3

Agricultural Economics 324 ..... 3

**Fourth Year**

Agricultural Economics 410, 470, 471 ..... 7

<sup>5</sup>Agricultural Economics Electives ..... 6

Economics 463 ..... 3

Agricultural Extension Education 440\* or English 360\* or

Journalism and Electronic Media 201\* ..... 3

Economics 361 or 371, or Geography 340 or 346 or 436, or Sociology 360 ..... 3

Electives ..... 8

**Total 120**

\*Meets University General Education Requirement.

<sup>1</sup> Selected from Biology 101, 102, 111, 112, 130.

<sup>2</sup> Selected from any course on the University General Education list.

<sup>3</sup> Selected from Chemistry 100, 110, 120, 130, Geography 131, 132, Geology 101, 102, 103.

<sup>4</sup> Selected from Environmental and Soil Science 324, 462; Forestry 314, 321, 420, 422; Forestry, Wildlife and Fisheries 420.

<sup>5</sup> A maximum of three credit hours can be used from each of the following courses: Agricultural Economics 356, 492 and 493.

**AGRICULTURE AND NATURAL RESOURCES (INTERDEPARTMENTAL UNIT)**

- DROP AGRICULTURAL SCIENCE MAJOR (BACHELOR OF SCIENCE IN AGRICULTURE)
  - AGRICULTURAL EDUCATION CONCENTRATION
  - AGRICULTURAL EXTENSION EDUCATION CONCENTRATION
- ADD AGRICULTURE AND NATURAL RESOURCE LEADERSHIP, EDUCATION AND COMMUNICATIONS MAJOR (BACHELOR OF SCIENCE IN AGRICULTURE)
  - AGRICULTURAL SCIENCE CONCENTRATION
  - AGRICULTURAL LEADERSHIP CONCENTRATION
  - AGRICULTURAL EDUCATION CONCENTRATION
  - AGRICULTURAL EXTENSION EDUCATION CONCENTRATION

**From:** High, Katherine Noel  
**Sent:** Friday, November 30, 2007 3:08 PM  
**To:** Mary L Albrecht/AGDEANS/COL/UTIA  
**Cc:** Rayman, Brenda L  
**Subject:** Renaming of Major from Agricultural Science to Agriculture and Natural Resource Leadership, Education and Communications

Mary,  
 Your request to rename the following major does not require Board of Trustees or THEC approval:

**Current**

College: CASNR  
 Major: Agricultural Science  
 Sub-majors: Agricultural Education  
 Agricultural Extension Education  
 Degree: BSAg

**Proposed**

College: CASNR  
 Major: Agriculture and Natural Resource Leadership, Education and Communications  
 Sub-majors: Agricultural Science  
 Agricultural Leadership  
 Agricultural Education  
 Agricultural Extension Education  
 Degree: BSAg

Please let me know when the name change becomes effective, and I will make the appropriate changes in the UT Comprehensive Listing of Academic Programs and notify THEC to make changes in the THEC Academic Inventory.

Thanks,  
 Katie

On pages 51-52 of the 2007-2008 *Undergraduate Catalog*, replace catalog text and showcases to reflect the above changes.

**AGRICULTURE AND NATURAL RESOURCES  
 (Interdepartmental Unit)**

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.

**AGRICULTURE AND NATURAL RESOURCE LEADERSHIP, EDUCATION AND COMMUNICATIONS MAJOR -  
 AGRICULTURAL SCIENCE CONCENTRATION**

**Advisors**

Contact Office of the Dean, College of Agricultural Sciences and Natural Resources

**Requirements for the Bachelor of Science in Agriculture – Agriculture and Natural Resource Leadership,  
 Education and Communications Major – Agricultural Science Concentration**

**First Year**

**Hours Credit**

Agriculture and Natural Resources 100..... 1

Agriculture and Natural Resources 290 .....	3
Animal Science 160 .....	3
<sup>1</sup> Chemistry 100*-110* or 120*-130* .....	8
English 101*, 102* .....	6
Mathematics 113* and Quantitative Reasoning Course* .....	6
Plant Sciences 115 .....	3
<b>Second Year</b>	
Agricultural and Extension Education 211 .....	3
Agricultural Economics 212 .....	3
<sup>1</sup> Biology 130*-140* or 101*-102* .....	8
Communication Studies 210* or 240* .....	3
<sup>2</sup> Economics Elective .....	3-4
Environmental and Soil Sciences 210 .....	4
Food Science and Technology 101 .....	3
<sup>3</sup> Free Elective .....	3
<b>Third Year</b>	
<sup>3</sup> Agricultural Sciences and Natural Resources Elective .....	6
Entomology and Plant Pathology 313 or 321 .....	3
<sup>3,4</sup> Cultures and Civilizations Elective* .....	3
<sup>3,4</sup> Arts and Humanities Elective* .....	3
<sup>5</sup> Minor .....	15
<b>Fourth Year</b>	
<sup>3</sup> Agricultural Sciences and Natural Resources Electives .....	9
<sup>3,4</sup> Arts and Humanities Elective* .....	3
<sup>3,4</sup> Cultures and Civilizations Elective* .....	3
<sup>2,3,4</sup> Social Sciences Elective* .....	3-6
<sup>3</sup> Free Electives .....	2-5
<sup>5</sup> Minor .....	9
	<b>Total 124</b>

\*Meets University General Education Requirement.

<sup>1</sup> 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.

<sup>2</sup> 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 approved General Education-Social Sciences list.

<sup>3</sup> 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.

<sup>4</sup> Choose from the University General Education lists.

<sup>5</sup> Students should select one of the minors offered by the College of Agricultural Sciences and Natural Resources: animal science, biosystems engineering technology, entomology and plant pathology, environmental and soil sciences, food and agricultural business, food science and technology, forestry, international agriculture and natural resources, 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 23 hours, the excess hours will become free electives.

## AGRICULTURAL LEADERSHIP CONCENTRATION

### Advisors

Cooper, Fritz

### Requirements for the Bachelor of Science in Agriculture - Agricultural and Natural Resource Leadership, Education and Communications Major - Agricultural Leadership Concentration

	Hours	Credit
<b>First Year</b>		
Agriculture and Natural Resources 100 or Agricultural and Natural Resource Leadership 101 .....		1
Agricultural and Natural Resource Leadership 102 .....		3
Agricultural Economics 212 .....		3
Agriculture and Natural Resources 290 .....		3
<sup>1</sup> Biology 130*-140* or 101*-102* or 111*-112* .....		8
English 101*, 102* .....		6
Mathematics 113* and Quantitative Reasoning Course* .....		6
<b>Second Year</b>		
Agricultural and Extension Education 211 .....		3
Agricultural and Natural Resource Leadership 202 .....		3

Animal Science 220 or Plant Sciences 210 .....	3
<sup>1</sup> Chemistry 100*-110* or 120*-130* .....	8
Communication Studies 210* or 240* .....	3
<sup>2</sup> Economics Elective .....	3-4
Environmental and Soil Sciences 210 .....	4
Food Science and Technology 101 or 269 .....	3
Plant Sciences 290 or 291 .....	3

**Third Year**

Agricultural and Natural Resource Leadership 302, 303, 304 .....	9
Agricultural and Extension Education 440* .....	3
Entomology and Plant Pathology 313 or 321 .....	3
<sup>3,4</sup> Cultures and Civilizations Elective* .....	3
<sup>3,4</sup> Arts and Humanities Elective* .....	3
<sup>5</sup> Minor .....	9

**Fourth Year**

Agricultural and Natural Resource Leadership 412 .....	3
Agricultural and Natural Resource Leadership 492 .....	3
Animal Science 495 .....	1
Biosystems Engineering and Technology 452 .....	3
Philosophy 245* .....	3
<sup>3,4</sup> Cultures and Civilizations Elective* .....	3
<sup>2,3,4</sup> Social Sciences Elective* .....	3
<sup>4</sup> Free Electives .....	2-3
<sup>5</sup> Minor .....	9

**Total 124**

\*Meets University General Education Requirement.

<sup>1</sup>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.

<sup>2</sup>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 approved General Education-Social Sciences list.

<sup>3</sup>Choose from the University General Education lists.

<sup>4</sup>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.

<sup>5</sup>Students should select one of the minors offered by the College of Agricultural Sciences and Natural Resources: animal science, biosystems engineering technology, entomology and plant pathology, environmental and soil sciences, food and agricultural business, food science and technology, forestry, international agriculture and natural resources, 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 23 hours, the excess hours will become free electives.

**AGRICULTURAL EDUCATION CONCENTRATION****Advisor**

Fritz

**Requirements for the Bachelor of Science in Agriculture - Agricultural and Natural Resource Leadership, Education and Communications Major - Agricultural Education Concentration**

<b>First Year</b>	<b>Hours Credit</b>
Agricultural and Natural Resource Leadership 101 or Agriculture and Natural Resources 100 .....	1
Agricultural and Natural Resource Leadership 102 .....	3
Agriculture and Natural Resources 290 .....	3
<sup>1</sup> Biology 101*-102* or 130*-140* .....	8
Economics 201* .....	4
English 101*, 102* .....	6
Environmental and Soil Sciences 120* or 220* .....	3
Mathematics 113* and 115* .....	6
<b>Second Year</b>	
Agricultural and Extension Education 211 .....	3
Agricultural and Extension Education 201 .....	1
Agricultural and Natural Resource Leadership 202 .....	3
Agricultural Economics 212 .....	3
Animal Science 220 .....	3

<sup>2</sup> Arts and Humanities Elective* .....	3
<sup>1</sup> Chemistry 100*-110* or 120*-130* .....	8
Environmental and Soil Sciences 210 .....	4
Plant Sciences 230 and 290 or 291 .....	6

**Third Year**

Agricultural and Extension Education 345 .....	3
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
<sup>2</sup> Cultures and Civilizations Elective* .....	3

**Fourth Year**

Agricultural and Extension Education 435 and 436 .....	12
Agricultural and Extension Education 440* .....	3
Agricultural and Extension Education 434 .....	3
Animal Science 360* and 381 .....	6
<sup>2</sup> Social Sciences Elective* .....	3
<b>Total 125</b>	

\*Meets University General Education Requirement

<sup>1</sup>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.

<sup>2</sup>Choose from the University General Education lists.

**AGRICULTURAL EXTENSION EDUCATION CONCENTRATION****Advisor**

Waters

**Requirements for the Bachelor of Science in Agriculture - Agricultural and Natural Resource Leadership, Education and Communications Major - Agricultural Extension Education Concentration**

<b>First Year</b>	<b>Hours Credit</b>
Agricultural and Extension Education 211 .....	3
Agriculture and Natural Resources 100 .....	1
Agriculture and Natural Resources 290 .....	3
Animal Science 280 .....	3
<sup>1</sup> 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
<b>Second Year</b>	
Agricultural and Extension Education 201 .....	1
Agricultural Economics 212 .....	3
Animal Science 220 .....	3
<sup>1</sup> Chemistry 100*-110* or 120*-130* .....	8
Communication Studies 210* .....	3
Economics 201* .....	4
Environmental and Soil Sciences 210 .....	4
Plant Sciences 115 .....	6
Psychology 110* .....	3
<b>Third Year</b>	
Agricultural and Extension Education 345 .....	3
Agricultural Economics 342 .....	3
Animal Science 330 .....	3
Entomology and Plant Pathology 313 (preferred) or 321 .....	3
Environmental and Soil Sciences 344 .....	3
Food Science and Technology 269 .....	2
Forestry, Wildlife and Fisheries 250 .....	3
Plant Sciences 250 .....	3
<sup>2,3</sup> Cultures and Civilizations Elective* .....	3

<sup>2,3</sup>Art and Humanities Elective\* ..... 3

#### Fourth Year

Agricultural and Extension Education 434 ..... 3

<sup>3</sup>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

<sup>2,3</sup>Arts and Humanities Elective\* ..... 3

<sup>3</sup>Free Electives ..... 3-4

**Total 124**

\*Meets University General Education Requirement

<sup>1</sup>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.

<sup>2</sup>Choose from the University General Education lists.

<sup>3</sup>One of the University General Education Electives, Agricultural Sciences and Natural Resources Electives or Free Electives must be a Communicating through Writing (WC) course.

## DEPARTMENT OF BIOSYSTEMS ENGINEERING AND SOIL SCIENCE

### REVISE CATALOG TEXT

On page 55 of the 2007-2008 *Undergraduate Catalog*, revise the first paragraph to:

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 TECHNOLOGY MINOR

Change Biosystems Engineering Technology 212 to Biosystems Engineering Technology 412.

### REVISE BIOSYSTEMS ENGINEERING MAJOR

Revise Second Year requirements:

#### Requirements for the Bachelor of Science in Biosystems Engineering - Biosystems Engineering Major

Second Year	Hours Credit
Mechanical Engineering 231, 321, 331 .....	9

Formerly: Mechanical Engineering 231, 321.....	6
Nuclear Engineering 203.....	3

### REVISE TECHNICAL ELECTIVES FOR ENVIRONMENTAL AND SOIL SCIENCES MAJOR - SOIL SCIENCE CONCENTRATION - ENVIRONMENTAL SCIENCE CONCENTRATION

On page 57 of the 2007-2008 *Undergraduate Catalog*, revise lists of technical electives to:

#### TECHNICAL ELECTIVES FOR SOIL SCIENCE AND ENVIRONMENTAL SCIENCE CONCENTRATIONS

Plant Sciences 250

Formerly: Plant Sciences 335

### REVISE ENVIRONMENTAL AND SOIL SCIENCES MAJOR - AGRICULTURAL SYSTEMS TECHNOLOGY CONCENTRATION

Revise the Second and Third Years to:

#### Requirements for the Bachelor of Science in Environmental and Soil Sciences - Environmental and Soil Sciences Major - Agricultural Systems Technology Concentration

Second Year	Hours Credit
Accounting 200 .....	3
Agricultural Economics 212 .....	3
Agriculture and Natural Resources 290.....	3

<sup>1</sup> Arts and Humanities Elective* .....	3
<sup>1</sup> Cultures and Civilizations Elective* .....	3
Economics 201* .....	4
Environmental and Soil Sciences 210 .....	4
Communication Studies 210* or 240* .....	3
Physics 221* .....	4
Statistics 201* .....	3

**Third Year**

Agricultural Economics 350 or 355 .....	3
Biosystems Engineering Technology 326, 412 .....	6
<sup>1</sup> Cultures and Civilizations Elective* .....	3
English 360* .....	3
Entomology and Plant Pathology 313, 321 .....	6
Environmental and Soil Sciences 301*, 324, 334 .....	7
Plant Sciences 457 .....	2

## REVISE ENVIRONMENTAL AND SOIL SCIENCES MAJOR - ENVIRONMENTAL SCIENCE CONCENTRATION

Revise Fourth Year requirements:

**Requirements for the Bachelor of Science in Environmental and Soil Sciences - Environmental and Soil Sciences Major - Environmental Science Concentration**

<b>Fourth Year</b>	<b>Hours Credit</b>
Biosystems Engineering Technology 412 or 474 .....	3
Formerly: Biosystems Engineering Technology 212 or 474.....	3

## REVISE REQUIREMENTS FOR ENVIRONMENTAL AND SOIL SCIENCES MAJOR - SOIL SCIENCE CONCENTRATION

Revise Third Year requirements:

**Requirements for the Bachelor of Science in Environmental and Soil Sciences - Environmental and Soil Sciences Major - Soil Science Concentration**

<b>Third Year</b>	<b>Hours Credit</b>
Biosystems Engineering Technology 326 or 412 .....	3
Plant Sciences 250 .....	3
Formerly: Biosystems Engineering Technology 212 or 326.....	3
Plant Sciences 335.....	3

**DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY**

## REVISE FOOD SCIENCE AND TECHNOLOGY MAJOR - PRE-PROFESSIONAL CONCENTRATION

Revise Third and Fourth Year requirements and footnotes 5 and 6:

**Requirements for the Bachelor of Science in Food Science - Food Science and Technology Major - Pre-Professional Concentration**

<b>Third Year</b>	<b>Hours Credit</b>
Food Science and Technology 301 .....	1
Formerly: Food Science and Technology 301 or University Honors 117.....	1

**Fourth Year**

Food Science and Technology 401 .....	1
Formerly: Food Science and Technology 401 or University Honors 458.....	1

<sup>5</sup> Choose from Biochemistry and Cellular and Molecular Biology 230, 401, 402; Microbiology 430, Physics 222, Ecology and Evolutionary Biology 240; Biology 240, Food Science and Technology 415, 430, 441, 442, 445, 461, 490, 495 or 493 (maximum of 3 hours)

Formerly:

<sup>5</sup> Choose from Biochemistry and Cellular and Molecular Biology 230, 401, 402; Microbiology 430, Physics 222, Ecology and Evolutionary Biology 240; Biology 240, Food Science and Technology 415, 430, 441, 442, 445, 461, 490, 495 or 493 (maximum of 3 hours), or Nutrition 420.

<sup>6</sup> Choose from Food Science and Technology 150, 240, 415, 430, 441, 442, 445, 461, 462, 490, 495 or 493 (maximum of 3 hours).

Formerly:

<sup>6</sup> Choose from Food Science and Technology 415, 430, 441, 442, 445, 461, 462, 490, 495 or 493 (maximum of 3 hours).

REVISE FOOD SCIENCE AND TECHNOLOGY MAJOR - SCIENCE CONCENTRATION

Revise Third and Fourth Year requirements:

**Requirements for the Bachelor of Science in Food Science - Food Science and Technology Major - Science Concentration**

<b>Third Year</b>	<b>Hours Credit</b>
Food Science and Technology 301 .....	1
Formerly:	
Food Science and Technology 301 or University Honors 117 .....	1
Food Science and Technology 441 and 461 or 462 .....	5-6
Formerly:	
Food Science and Technology 441 .....	3
Electives .....	3-4
Formerly:	
Electives .....	5
 <b>Fourth Year</b>	
Food Science and Technology 415 and 445 . . . . .	8
Food Science and Technology 490, 493 and 495 .....	9
Electives .....	7-11
Formerly:	
Food Science and Technology 445, 461, 490, 495 .....	13
Food Science and Technology 415 .....	.4
Food Science and Technology 493 .....	.3
Electives .....	.5-7

REVISE FOOD SCIENCE AND TECHNOLOGY MAJOR - TECHNOLOGY/BUSINESS CONCENTRATION

Revise Third and Fourth Years requirements:

**Requirements for the Bachelor of Science in Food Science - Food Science and Technology Major - Technology/Business Concentration**

<b>Third Year</b>	<b>Hours Credit</b>
Food Science and Technology 301 .....	1
Formerly:	
Food Science and Technology 301 or University Honors 117 .....	1
 <b>Fourth Year</b>	
Food Science and Technology 415, 445, 461 or 462, 490 and 495 .....	16-17
<sup>5</sup> Directed Technology/Business Electives .....	3
Food Science and Technology 493 .....	3
Electives .....	3-4
Formerly:	
Food Science and Technology 445, 461, 490 and 495 .....	13
<sup>5</sup> Directed Technology/Business Electives .....	.6
Food Science and Technology 493 .....	.3
Electives .....	.4

REVISE MINOR IN FOOD SCIENCE AND TECHNOLOGY

**Minor in Food Science and Technology**

	<b>Hours Credit</b>
Food Science and Technology 101 .....	3
Formerly:	
Food Science and Technology 140 .....	3



**DEPARTMENT OF FORESTRY, WILDLIFE AND FISHERIES**

## REVISE WILDLIFE AND FISHERIES SCIENCE MAJOR - WILDLIFE AND FISHERIES MANAGEMENT CONCENTRATION

**Requirements for the Bachelor of Science in Wildlife and Fisheries Science- Wildlife and Fisheries Science Major - Wildlife and Fisheries Management Concentration**

<b>First Year</b>	<b>Hours Credit</b>
Forestry, Wildlife and Fisheries 250*	3
English 101*, 102*	6
Biology 130*-140* or 101*-102*	8
<sup>1</sup> Chemistry 120*-130* or 100*-110*	8
<sup>2</sup> Cultures and Civilizations* and Arts and Humanities Elective*	6
<b>Second Year</b>	
Forestry, Wildlife and Fisheries 212	3
Economics 201*	4
Mathematics 125*	3
Statistics 201* or Mathematics 115*	3
Biosystems Engineering Technology 326 or Geography 411	3
Animal Science 220 or Wildlife and Fisheries Science 431	3-4
Biology 250	4
Communications Studies 210* or 240*	3
Environmental and Soil Sciences 210	4
<sup>2</sup> Cultures and Civilizations* or Arts and Humanities Elective*	3
<b>Third Year</b>	
Wildlife and Fisheries Science 305, 323, 340, 341, 350, 440, 442	16
Forestry, Wildlife and Fisheries 312*, 313, 317	8
Ecology and Evolutionary Biology 470 or Environmental and Soil Sciences 324 or Wildlife and Fisheries Science 301	3-4
<sup>2</sup> Cultures and Civilizations* or Arts and Humanities Elective*	3
<b>Fourth Year</b>	
Select three from Wildlife and Fisheries Science 433, 443, 444, 445	9
Forestry, Wildlife and Fisheries 416	3
Forestry, Wildlife and Fisheries 412, or Forestry 321* or Forestry 422	3
Ecology and Evolutionary Biology 330 or 433	3
Ecology and Evolutionary Biology 474	4
<sup>3</sup> Science Elective	6
<sup>1</sup> Social Science Elective*	3
<b>Total 125-127</b>	

\*Meets University General Education Requirement.

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

<sup>2</sup>Courses selected from the University General Education lists. One of the Cultures and Civilizations (CC) or Arts and Humanities (AH) or Social Sciences (SS) courses must be a Communicating through Writing course (WC); Forestry, Wildlife and Fisheries 312 and Forestry 321 are both designated as WC courses.

<sup>3</sup>300-level and above from Animal Science; Biosystems Engineering Technology; Ecology and Evolutionary Biology; Entomology and Plant Pathology; Environmental and Soil Sciences; Forestry; Forestry, Wildlife and Fisheries; Plant Sciences; or Geography 410, 411, 412, 413, 436.

## REVISE WILDLIFE AND FISHERIES SCIENCE MAJOR-WILDLIFE HEALTH CONCENTRATION

**Requirements for the Bachelor of Science in Wildlife and Fisheries Science- Wildlife and Fisheries Science Major - Wildlife Health Concentration**

<b>First Year</b>	<b>Hours Credit</b>
Wildlife and Fisheries 101	1
Forestry, Wildlife and Fisheries 250	3
Biology 130*-140*	8
Chemistry 120*-130*	8
Mathematics 125*	3
Statistics 201* or Mathematics 115*	3
English 101*, 102*	6

**Second Year**

Animal Science 220 .....	3
Biology 240, 250 .....	8
Microbiology 310, 319 .....	5
Chemistry 350, 360, 369.....	8
Physics 221*, 222* .....	8

**Third Year**

Wildlife and Fisheries Science 301 .....	3
Forestry, Wildlife and Fisheries 317 .....	3
Animal Science 380.....	3
Biochemistry and Cellular and Molecular Biology 401, 440.....	7
Economics 201*.....	4
Communications Studies 210 or 240* .....	3
<sup>1</sup> Cultures and Civilizations* or Arts and Humanities Electives* .....	6

**Fourth Year**

Select two from Wildlife and Fisheries Science 433, 443, 444, 445 .....	6
Wildlife and Fisheries Sciences 431 .....	3
Biochemistry and Cellular and Molecular Biology 411.....	3
Biosystems Engineering Technology 326 or Geography 411 .....	3
<sup>2</sup> Science Elective .....	3
<sup>1</sup> Social Science Elective* .....	3
<sup>1</sup> Cultures and Civilizations* or Arts and Humanities Electives* .....	6

**Total 120**

\*Meets University General Education Requirement.

<sup>1</sup> General Education Electives: Choose two from the Cultures and Civilizations (CC) list, two courses from the Arts and Humanities (AH) list, one from the Social Sciences (SS) list for a total of 15 credit hours. One of the Cultures and Civilizations (CC) or Arts and Humanities (AH) or Social Sciences (SS) courses must be a Communicating through Writing course (WC).

<sup>2</sup> 300-level and above from Animal Science; Biosystems Engineering Technology; Ecology and Evolutionary Biology; Entomology and Plant Pathology; Environmental and Soil Sciences; Forestry; Forestry, Wildlife and Fisheries; Plant Sciences; or Geography 410, 411, 412, 413, 436.

**DEPARTMENT OF PLANT SCIENCES**

- DROP THE FOLLOWING CONCENTRATION FOR THE PLANT SCIENCES MAJOR  
PLANT SCIENCE, BIOTECHNOLOGY AND HORTICULTURE

- ADD THE FOLLOWING CONCENTRATIONS FOR THE PLANT SCIENCES MAJOR  
BIOENERGY  
BIOTECHNOLOGY  
HORTICULTURE SCIENCE AND PRODUCTION

REVISE CATALOG TEXT TO REFLECT THE ABOVE CHANGES

On page 64 of the 2007-2008 *Undergraduate Catalog*, replace the third paragraph with the following:

Students should declare a concentration early in their undergraduate program and strictly follow the curriculum described for the concentration. Students who transfer into plant sciences from other colleges or programs must meet the same requirements as those entering the department as freshman. A minimum grade point average of 2.25 is required for all Plant Sciences courses taken in the major.

DELETE CORE COURSES TEXT

On page 64 of the 2007-2008 *Undergraduate Catalog*, delete the following text:

**Core Courses**

The core courses for the plant sciences concentrations which are required for entry into upper-division courses are as follows:

**LANDSCAPE DESIGN CONCENTRATION**

Two courses in English composition (English 101 and 102 or equivalent); Mathematics 113 or 123 or 151 or equivalent; Computer Sciences 100 or 102 or equivalent; general chemistry (Chemistry 100 or 120 or equivalent); two courses in general botany (Biology 111 and 112 or equivalent); soil science (Environmental and Soil Sciences 210 or equivalent); Basic Landscape Plants (Plant Sciences 220 or equivalent); Fundamentals of Landscape Design (Plant Sciences 280 or equivalent).

**PLANT SCIENCE, BIOTECHNOLOGY AND HORTICULTURE CONCENTRATION**

Two courses in English composition (English 101 and 102 or equivalent); two courses in mathematics (Mathematics 123 and 125 or Mathematics 151 and 152 or equivalent); two courses in general chemistry (Chemistry 100 and 110 or 120 and 130 or equivalent); two courses in general botany (Biology 111 and 112 or equivalent); soil science (Environmental and Soil Sciences 210 or equivalent); Computer Applications to Problem Solving (Agriculture and Natural Resources 290 or equivalent).

**PUBLIC HORTICULTURE CONCENTRATION**

Two courses in English composition (English 101 and 102 or equivalent); Mathematics 113 or 123 or 151 or equivalent; Computer Sciences 100 or 102 or equivalent; general chemistry (Chemistry 100 or 120 or equivalent); two courses in general botany (Biology 111 and 112 or equivalent); soil science (Environmental and Soil Sciences 210 or equivalent); a plant materials course (Plant Sciences 220 or 230 or 290 or equivalent); Public Horticulture (Plant Sciences 226 or equivalent).

**TURFGRASS SCIENCE AND MANAGEMENT CONCENTRATION**

Two courses in English composition (English 101 and 102 or equivalent); two courses in mathematics (Mathematics 123 and 125 or equivalent); two courses in general chemistry (Chemistry 100 and 110 or 120 and 130 or equivalent); two courses in general botany (Biology 111 and 112 or equivalent); soil science (Environmental and Soil Sciences 210 or equivalent); Turfgrass Management (Plant Sciences 240 or equivalent); Computer Applications to Problem Solving (Agriculture and Natural Resources 290 or equivalent).

**DELETE DROPPED CONCENTRATION TEXT AND SHOWCASE**

On page 65 of the 2007-2008 *Undergraduate Catalog*, delete:

**PLANT SCIENCE, BIOTECHNOLOGY AND HORTICULTURE CONCENTRATION****REVISE TECHNICAL ELECTIVES**

On page 64 of the 2007-2008 *Undergraduate Catalog*, replace Technical Electives list with the following:

**BIOENERGY CONCENTRATION**

Biochemistry and Cellular and Molecular Biology; Biosystems Engineering; Biosystems Engineering Technology; Chemistry; Ecology and Evolutionary Biology; Management; Marketing; Microbiology; Physics; Spanish; Statistics; 200-level and above from Biology, Business Administration; 300-level and above from Agricultural Economics, Environmental and Soil Science, Forestry, Financial Management, Plant Sciences; Accounting 200; Engineering Fundamentals 100; English 360\*; Finance 301; Information Management 341, 342; Journalism/Electronic Media 450, 451, 456; Materials Science and Engineering 101, 201; Public Relations 270; Rural Sociology 380.

**BIOTECHNOLOGY CONCENTRATION**

Biochemistry and Cellular and Molecular Biology, Biosystems Engineering, Biosystems Engineering Technology, Chemistry, Ecology and Evolutionary Biology, Management, Marketing, Microbiology, Physics, Spanish, Statistics; 200-level and above from Biology, Business Administration; 300-level and above from Agricultural Economics, Environmental and Soil Science, Forestry, Plant Sciences; Accounting 200; Business Law 301; English 295, 360; Finance 301; Geology 201, 202; Journalism/Electronic Media 450, 451, 456.

**HORTICULTURE SCIENCE AND PRODUCTION CONCENTRATION**

300-level and above from Agricultural Economics, Environmental and Soil Science, Forestry, Plant Sciences; 200-level and above from Biology, Business Administration; courses from Biochemistry and Cellular and Molecular Biology, Biosystems Engineering, Biosystems Engineering Technology, Chemistry, Ecology and Evolutionary Biology, Management, Marketing, Microbiology, Physics, Spanish, Statistics; and Accounting 200; Business Law 301; English 295, 360; Finance 301; Geology 201, 202; Journalism/Electronic Media 450, 451, 456.

**LANDSCAPE DESIGN AND CONSTRUCTION CONCENTRATION**

Business Administration; Entomology and Plant Pathology; Plant Sciences; Statistics; Accounting 200, Advertising courses; Architecture 111, 180, 211, 232, 271; Art 101, 103; Art Drawing 211, 212; Art Media Arts 231, 331; Art Painting 213, 214, 215, 216; Biochemistry and Cellular and Molecular Biology 306; Biology 250; Biosystems Engineering Technology 202, 412; Business Law 301; Communication Studies 310; Ecology and Evolutionary Biology 304, 330, 433; English 295\*, 360\*; Environmental and Soil Science 324, 334; Forestry 321; Forestry Wildlife and Fisheries 211, 250, 311, 317; Geography 131, 365, 366; Geology 201, 202, 203; Philosophy 243\*, 244, 245\*; Political Science 402, 403, 446; Spanish 111, 112, 211, 212; University Studies 413.

**PUBLIC HORTICULTURE CONCENTRATION**

300-level and above for Environmental and Soil Sciences; Forestry; Art 481; Agriculture and Extension Education 345; Communication Studies 440; Ecology and Evolutionary Biology 309, 330, 433; Educational Psychology 210; English 295\*, 360\*; Philosophy 245\*; Public Relations 270; Recreation and Leisure Studies 201, 430.

**TURFGRASS SCIENCE AND MANAGEMENT CONCENTRATION**

300-level and above from Agricultural Economics; Biochemistry and Cellular and Molecular Biology; Biosystems Engineering; Biosystems Engineering Technology; Ecology and Evolutionary Biology; Entomology and Plant Pathology; Environmental and Soil Sciences; Forestry; Plant Sciences; and English 295\*, 360\*.

**INSERT TEXT AND SHOWCASES FOR NEW CONCENTRATIONS**

On pages 65 to 66 of the 2007-2008 *Undergraduate Catalog*, insert:

**BIOENERGY CONCENTRATION**

The bioenergy concentration is intended for students who are interested in pursuing careers in the quickly-expanding biofuels and bioenergy fields. The graduate will have the background and internship experience to enter directly into the bioenergy workforce. The bioenergy industry primarily is concerned with converting plant feedstocks into liquid fuels such as ethanol and biodiesel. The great resurgence of industry and public support for research and development in this field will require a modern and multidisciplinary workforce. The student will have the opportunity to explore branch disciplines of bioenergy such as agronomy, biotechnology, business and economics, chemistry, engineering or microbiology. In

addition, the need for scholars and scientists with advanced degrees (MS and PhD) will also grow exponentially in bioenergy as billions of dollars of federal funds is channeled towards new bioenergy solutions. The bachelor's degree will also prepare students for entrance into graduate programs.

#### Requirements for the Bachelor of Science in Plant Sciences - Plant Sciences Major - Bioenergy Concentration

First Year	Hours Credit
<sup>1</sup> Agriculture and Natural Resources 100 or First Year Studies 101 .....	1
Biology 111*, 112* .....	8
<sup>2</sup> Chemistry 120* and 130* .....	8
English 101*, 102* .....	6
Plant Sciences 250 .....	3
<sup>2,3</sup> Quantitative Reasoning Electives* .....	6
<b>Second Year</b>	
Agriculture and Natural Resources 290 .....	3
<sup>3</sup> Arts and Humanities Electives* .....	6
Communication Studies 210* or 240* .....	3
<sup>3</sup> Cultures and Civilizations Elective* .....	3
<sup>4</sup> Economics Elective* .....	3-4
Environmental and Soil Sciences 210 .....	4
<sup>3,4</sup> Social Sciences Elective* .....	3
Technical Electives .....	5-6
<b>Third Year</b>	
Agricultural Economics 212 .....	3
Biochemistry and Cellular and Molecular Biology 321 .....	4
<sup>3</sup> Cultures and Civilizations Elective* .....	3
<sup>5</sup> Agricultural and Extension Education 440* or English 295* or 360* or Journalism and Electronic Media 201* .....	3
Plant Sciences 353, 435 .....	5
Technical Electives .....	13
<b>Third Year Summer</b>	
Plant Sciences 492 .....	3
<b>Fourth Year</b>	
<sup>2</sup> Specialty Area .....	9-11
Environmental and Soil Sciences 334 .....	3
Plant Sciences 331, 465, 475, 497 .....	9
Technical Electives .....	3
Unrestricted Electives .....	4-6
	<b>Total 124</b>

\* Meets University General Education Requirement.

<sup>1</sup>Required of freshmen only; requirement is waived for transfer students.

<sup>2</sup>Choose one Specialty Area. Select Chemistry and Quantitative Reasoning Electives General Education courses based on prerequisites for courses in the Specialty Area.

<sup>3</sup>Choose from the University General Education lists. Selection should be made in conference with academic advisor.

<sup>4</sup>Economics 201 (4) Principles of Economics 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 for economics but will not satisfy the General Education-Social Science requirement. In these cases, the student should take two courses from the approved General Education-Social Sciences list.

<sup>5</sup>Meets the University General Education Requirement for Communicating through Writing (WC).

#### SPECIALTY AREAS

Specialty electives are grouped into specialty areas. Students must complete one specialty area, consisting of three courses (9-11 credit hours). Students wishing to expand on a specialty or complete more than one specialty area are welcome to do so, using Technical Electives for this purpose. A course may be counted in one specialty area only and may not be used to fulfill any other elective requirement. Check the *Undergraduate Catalog* for any prerequisites required for these courses.

##### Agronomy

Plant Sciences 457, 459; and select 6 hours from Environmental and Soil Sciences 300-level and above.

##### Biosystems Engineering

Biosystems Engineering 231; Biosystems Engineering Technology 326, 432, 434, 462.

##### Biotechnology

Biology 240; Plant Sciences 454 or Biochemistry and Cellular and Molecular Biology 404; Biochemistry and Cellular and Molecular Biology 401 or Microbiology 210.

##### Business

Accounting 200; Agricultural Economics 355, 470; Business Administration 201, Marketing 300; Statistics 201.

**Chemistry**

Chemistry 230 or 310; Chemistry 350, 360, 369; Food Science and Technology 410, 419.

**Forestry and Wildlife**

200-level and above from Forestry; 200-level and above from Forestry, Wildlife and Fisheries.

**Microbiology**

Microbiology 210 and above; Food Science and Technology 420, 429.

**BIOTECHNOLOGY CONCENTRATION**

The biotechnology concentration is designed for students wishing to pursue advanced degrees in plant molecular biology and biotechnology and/or careers in the plant biotechnology industry. For example, the curriculum will prepare students to be competitive for entrance into MS and PhD degree programs, which in turn, prepare students for life as professional scientists. Alternatively, the plant biotechnology industry and biotechnology-affiliated industries have recurrent demand for competent BS-level scientists. One hallmark of the degree is requirement for students to participate in research directly in an affiliated faculty member's lab. This hands-on experience is reported by students to be a highlight of their degree program.

**Requirements for the Bachelor of Science in Plant Sciences - Plant Sciences Major - Biotechnology Concentration**

<b>First Year</b>	<b>Hours</b>	<b>Credit</b>
<sup>1</sup> Agriculture and Natural Resources 100 or First Year Studies 101 .....	1	1
<sup>2</sup> Arts and Humanities Elective* .....	3	3
Biology 111*, 112* .....	8	8
Chemistry 120* and 130* .....	8	8
English 101*, 102* .....	6	6
<sup>2</sup> Quantitative Reasoning Electives* .....	6	6
<b>Second Year</b>		
Agriculture and Natural Resources 290 .....	3	3
Agricultural Economics 212 .....	3	3
<sup>2</sup> Arts and Humanities Elective* .....	3	3
Communication Studies 210* or 240* .....	3	3
<sup>2</sup> Cultures and Civilizations Elective* .....	3	3
Environmental and Soil Sciences 210 .....	4	4
<sup>3</sup> Economics Elective* .....	3-4	3-4
Plant Sciences 210 .....	3	3
<sup>2,3</sup> Social Sciences Elective* .....	3	3
Unrestricted Electives .....	2-3	2-3
<b>Third Year</b>		
Biochemistry and Cellular and Molecular Biology 321 .....	4	4
<sup>2</sup> Cultures and Civilizations Elective* .....	3	3
Chemistry 350 .....	3	3
Entomology and Plant Pathology 313 or 321 or 410 .....	3	3
Environmental and Soil Sciences 334 .....	3	3
<sup>4</sup> Plant Sciences Electives .....	9	9
Plant Sciences 457-458 or 457-459 .....	3	3
Technical Electives .....	3	3
<b>Fourth Year</b>		
Plant Sciences 353, 454, 461 and 470 .....	9	9
Plant Sciences 454 or Biochemistry and Cellular and Molecular Biology 404.....	3-4	3-4
Plant Sciences 492 or 497 .....	3	3
Technical Electives .....	14-15	14-15
	<b>Total</b>	<b>124</b>

\* Meets University General Education Requirement.

<sup>1</sup> Required of freshmen only; requirement is waived for transfer students.

<sup>2</sup> Choose from the University General Education lists. Selection should be made in conference with academic advisor.

<sup>3</sup> Economics 201 (4) Principles of Economics 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 for economics but will not satisfy the General Education-Social Science requirement. In these cases, the student should take two courses from the approved General Education-Social Sciences list.

<sup>4</sup> Select any Plant Sciences courses beyond those that are required.

NOTE: Students must meet the University General Education Requirement for Communicating through Writing by selecting a course with a (WC) designation. This course may be in the major or from another discipline. Plant Sciences 410 and 448 satisfy the Communicating through Writing requirement.

**HORTICULTURE SCIENCE AND PRODUCTION CONCENTRATION**

The horticulture science and production concentration is designed to provide students with the knowledge and skills needed for production, management and marketing of horticultural crops. This concentration also prepares students with strong interests in science and/or technology to pursue opportunities in research-related fields, including graduate studies. Careful selection of departmental courses and other electives in consultation with the assigned academic advisor will prepare graduates for the career of their choice. Employment prospects range managing nursery and greenhouse businesses, to consulting and education, to marketing fruits and vegetables for healthier lifestyles.

**Requirements for the Bachelor of Science in Plant Sciences - Plant Sciences Major - Horticulture Science and Production Concentration**

<b>First Year</b>	<b>Hours Credit</b>
<sup>1</sup> Agriculture and Natural Resources 100 or First Year Studies 101 .....	1
<sup>2</sup> Arts and Humanities Elective* .....	3
Biology 111*, 112* .....	8
Chemistry 100 and 110*, or 120* and 130* .....	8
English 101*, 102* .....	6
<sup>2</sup> Quantitative Reasoning Electives* .....	6
<b>Second Year</b>	
Agriculture and Natural Resources 290 .....	3
<sup>2</sup> Arts and Humanities Elective* .....	3
Communication Studies 210* or 240* .....	3
<sup>2</sup> Cultures and Civilizations Elective* .....	3
Environmental and Soil Sciences 210 .....	4
<sup>3</sup> Economics Elective* .....	3-4
Plant Sciences 210 .....	3
Physics 101.....	3
<sup>2,3</sup> Social Sciences Elective* .....	3
<b>Third Year</b>	
Biochemistry and Cellular and Molecular Biology 321 or Forestry 414 .....	3-4
<sup>2</sup> Cultures and Civilizations Elective* .....	3
English 295* or 360* .....	3
Entomology and Plant Pathology 313 or 321 or 410 .....	3
Environmental and Soil Sciences 334 .....	3
Plant Sciences 220, 230, 290 or 291 .....	3
Plant Sciences 457-458 or 457-459 .....	3
<sup>4</sup> Plant Sciences Electives .....	6
Technical Electives .....	4-5
<b>Fourth Year</b>	
Plant Sciences 331, 353, 410*, 430, 470 .....	13
Plant Sciences 492 or 497 .....	3
<sup>4</sup> Plant Sciences Electives .....	6
Technical Electives .....	4-5
Unrestricted Electives .....	5
	<b>Total 124</b>

\* Meets University General Education Requirement.

<sup>1</sup>Required of freshmen only; requirement is waived for transfer students.

<sup>2</sup>Choose from the University General Education lists. Selection should be made in conference with academic advisor.

<sup>3</sup>Economics 201 (4) Principles of Economics 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 for economics but will not satisfy the General Education-Social Science requirement. In these cases, the student should take two courses from the approved General Education-Social Sciences list.

<sup>4</sup>Select any Plant Sciences courses beyond those that are required.

NOTE: Students must meet the University General Education Requirement for Communicating through Writing by selecting a course with a (WC) designation. This course may be in the major or from another discipline. Plant Sciences 410 and 448 satisfy the Communicating through Writing requirement.

## REVISE REQUIREMENTS FOR LANDSCAPE DESIGN AND CONSTRUCTION CONCENTRATION

**Requirements for the Bachelor of Science in Plant Sciences - Plant Sciences Major - Landscape Design and Construction Concentration**

<b>First Year</b>	<b>Hours Credit</b>
<sup>1</sup> Agriculture and Natural Resources 100 or First Year Studies 101 .....	1
<sup>2</sup> Arts and Humanities Elective* .....	.3
Biology 111*, 112* .....	8
Chemistry 100* or 120* .....	4
Computer Science 100* .....	3
English 101*, 102* .....	6
<sup>2</sup> Quantitative Reasoning Elective* .....	3
<sup>2,3</sup> Social Sciences Elective* .....	3-6
<b>Second Year</b>	
Communication Studies 210* or 240* .....	3
<sup>3</sup> Economics Elective* .....	.3-4
Environmental and Soil Sciences 210 .....	4
Plant Sciences 210, 220, 280 .....	9
Technical Electives .....	8
Unrestricted Elective .....	2-4
<b>Third Year</b>	
<sup>2</sup> Cultures and Civilizations Elective* .....	3
Plant Sciences 350, 380 .....	.6
Select from Plant Sciences 226, 230, 240, 330, 348, 360, or 370.....	5-6
Plant Sciences 290 or 291 .....	.3
Technical Electives .....	.6
Unrestricted Electives .....	.3-8
<b>Third Year – Summer</b>	
Plant Sciences 492 .....	.3
<b>Fourth Year</b>	
<sup>2</sup> Arts and Humanities Elective* .....	.3
<sup>2</sup> Cultures and Civilizations Elective* .....	.3
Plant Sciences 421, 460, 480, 485 .....	13
Select from Plant Sciences 348, 410*, 427, 429, 430, 434, 436, 437, 441,446, 448*, 450, 469, 470, 493, or 497 .....	5-6
Technical Electives .....	4-5
<b>Total 124</b>	

\* Meets University General Education Requirement.

<sup>1</sup>Required of freshmen only; requirement is waived for transfer students.

<sup>2</sup>Choose from the University General Education lists. Selection should be made in conference with academic advisor.

<sup>3</sup>Economics 201 satisfies the University General Education-Social Science requirement and the major requirement for economics. If the student transfers ECON LD for 3 credit hours, it will satisfy the major requirement for economics but will not satisfy the University General Education-Social Science requirement. In these cases, the student should take two courses from the Social Sciences list.

NOTE: Students must meet the University General Education Requirement for Communicating through Writing by selecting a course with a (WC) designation. This course may be in the major or from another discipline.

## REVISE REQUIREMENTS FOR THE PUBLIC HORTICULTURE CONCENTRATION

**Requirements for the Bachelor of Science in Plant Sciences - Plant Sciences Major - Public Horticulture Concentration**

<b>First Year</b>	<b>Hours Credit</b>
<sup>1</sup> Agriculture and Natural Resources 100 or First Year Studies 101 .....	1
<sup>2</sup> Arts and Humanities Elective* .....	.3
Biology 111*, 112* .....	8
Chemistry 100* or 120* .....	4
Computer Science 100* or 102** .....	.3
English 101*, 102* .....	6
Environmental and Soil Sciences 210 .....	4
<sup>2</sup> Quantitative Reasoning Elective* .....	3

**Second Year**

<sup>2</sup> Arts and Humanities Elective* .....	3
Communication Studies 240* .....	3
<sup>2</sup> Cultures and Civilizations Elective* .....	3
Plant Sciences 210 .....	3
Select from Plant Sciences 220, 226, 280, 290, or 291 .....	12
<sup>2,3</sup> Social Sciences Elective* .....	3-6
<sup>3</sup> Economics Elective* .....	3-4
Technical Electives .....	0-3

**Third Year**

<sup>2</sup> Cultures and Civilizations Elective* .....	3
Plant Sciences 230, 240, 328, 330, 370, 410*, 434, 436.....	21
Technical Electives .....	3-4

**Third Year - Summer**

Plant Sciences 492 .....	3
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**Fourth Year**

Entomology and Plant Pathology 313 or 321 .....	3
Entomology and Plant Pathology 410 .....	3
Plant Sciences 448*, 470 .....	6
Select from Plant Sciences 427, 430, 437, 439, 446, or 469.....	10
Technical Electives .....	3
Plant Sciences 421 or Unrestricted Electives .....	3

**Total 124**

\* Meets University General Education Requirement.

<sup>1</sup>Required of freshmen only; requirement is waived for transfer students.

<sup>2</sup>Choose from the University General Education lists. Selection should be made in conference with academic advisor.

<sup>3</sup>Economics 201 satisfies the University General Education-Social Science requirement and the major requirement for economics. If the student transfers ECON LD for 3 credit hours, it will satisfy the major requirement for economics but will not satisfy the University General Education-Social Science requirement. In these cases, the student should take two courses from the Social Sciences list.

NOTE: Students must meet the University General Education Requirement for Communicating through Writing by selecting a course with a (WC) designation. This course may be in the major or from another discipline.

**REVISE REQUIREMENTS FOR TURFGRASS SCIENCE AND MANAGEMENT CONCENTRATION****Requirements for the Bachelor of Science in Plant Sciences - Plant Sciences Major - Turfgrass Science and Management Concentration**

	<b>Hours Credit</b>
<b>First Year</b>	
<sup>1</sup> Agriculture and Natural Resources 100 or First Year Studies 101 .....	1
<sup>2</sup> Arts and Humanities Elective .....	3
Chemistry 120* and 130* .....	8
<sup>2</sup> Cultures and Civilizations Elective* .....	3
English 101*, 102* .....	6
<sup>2</sup> Quantitative Reasoning Electives* .....	6
<sup>2,3</sup> Social Sciences Elective* .....	3-6
<b>Second Year</b>	
Agriculture and Natural Resources 290 .....	3
Biology 111*, 112* .....	8
Communications Studies 210* or 240* .....	3
<sup>3</sup> Economics Elective* .....	3-4
Environmental and Soil Sciences 210 .....	4
Plant Sciences 240, 241 .....	4
Select from Plant Sciences 210, 220, 280, or 290 .....	3
Unrestricted Electives .....	2-3
<b>Third Year</b>	
<sup>2</sup> Cultures and Civilizations Elective* .....	3
Select from Plant Sciences 210, 220, 280, 290 or 291 .....	3
Plant Sciences 330, 331, 341, 343, 348, 442, and 457-458.....	13
Technical Electives .....	3
Unrestricted Electives .....	8



**Third Year - Summer**

Plant Sciences 492 ..... 3

**Fourth Year**

<sup>2</sup>Arts and Humanities Elective\* ..... 3

Biology 250 or Biochemistry and Cellular and Molecular Biology 321 ..... 4

Entomology and Plant Pathology 313 ..... 3

Environmental and Soil Sciences 334 ..... 3

Plant Sciences 441, 470 ..... 5

Technical Electives ..... 10-11

**Total 124**

\* Meets University General Education Requirement.

<sup>1</sup>Required of freshmen only; requirement is waived for transfer students.

<sup>2</sup> Choose from the University General Education lists. Selection should be made in conference with academic advisor.

<sup>3</sup> Economics 201 satisfies the University General Education-Social Science requirement and the major requirement for economics. If the student transfers ECON LD for 3 credit hours, it will satisfy the major requirement for economics but will not satisfy the University General Education-Social Science requirement. In these cases, the student should take two courses from the Social Sciences list.

NOTE: Students must meet the University General Education Requirement for Communicating through Writing by selecting a course with a (WC) designation. This course may be in the major or from another discipline.

**COLLEGE OF ARCHITECTURE AND DESIGN**  
All changes effective Fall 2008

REVISE BACHELOR OF ARCHITECTURE

**Requirements for the Bachelor of Architecture**

<b>First Year</b>	<b>Hours Credit</b>
Architecture 101 or 107, 102 .....	5
Architecture 211* or 217* .....	3
Formerly:	
Architecture 101, 102.....	5
Architecture 211*.....	3

REVISE BACHELOR OF SCIENCE IN INTERIOR DESIGN

**Requirements for the Bachelor of Science in Interior Design**

<b>First Year</b>	<b>Hours Credit</b>
Interior Design 141, 171, 172 or 177 .....	8
Formerly:	
Interior Design 141, 171, 172.....	8
<b>Fourth Year</b>	
Interior Design 471,472 or 477, 480 .....	15
Formerly:	
Interior Design 471, 472, 480.....	15

## COLLEGE OF ARTS AND SCIENCES

All changes effective Fall 2008

### PART I: COURSE CHANGES

#### DEPARTMENT OF ANTHROPOLOGY

##### (122) Anthropology

ADD

★ **117 Honors: Human Origins (3)** Honors survey of humanity's background, fossil primates, fossil human remains, and living races of humankind. **(NS)**

*Credit Restriction: Students may not receive credit for both 117 and 110.*

*Comment(s): Same as 110 but designed for high-achieving students.*

★ **127 Honors: Prehistoric Archaeology (3)** Honors introduction to methods and techniques used to identify and date archaeological cultures, reconstruct past lifeways and describe cultural evolution. Overview of the prehistory of Africa, western Europe, southwest Asia, and the Americas from earliest dated human cultures to rise of complex civilizations.

**(CC)**

*Credit Restriction: Students may not receive credit for both 127 and 120.*

*Comment(s): Same as 120 but designed for high-achieving students.*

★ **137 Honors: Cultural Anthropology (3)** Honors introduction to major concepts and methods in the study of culture; survey of cross-cultural similarities and differences in subsistence, social organization, economic, political, and religious institutions; language, ideology and arts. Contributions of anthropology to resolving contemporary human problems. **(SS)**

*Credit Restriction: Students may not receive credit for both 137 and 130.*

*Comment(s): Same as 130 but designed for high-achieving students.*

**454 Archaeology of the African Diaspora (3)** Historical archaeology of African, North American and Latin American sites relating to the transatlantic slave trade and the experiences of enslaved Africans in the New World from the 15th to the 19th centuries. Writing-emphasis course.

*(RE) Prerequisite(s): 120 or 127.*

*Recommended Background: 361.*

**461 Archaeological Resource Management (3)** Federal legislation and regulations affecting identification, protection, and management of archaeological resources. Professional ethics and responsibilities and relationship of federal and state agencies, public interest groups, and professional archaeologists in conduct of federally sponsored archaeology.

**466 Archaeology of Southeastern United States (3)** Archaeological research on prehistoric American Indian cultures in Southeastern United States.

#### EQUIVALENCY TABLE

Current (122) Anthropology Course	Equivalent (122) Anthropology Course Fall 2008
561	461
564	466

#### SCHOOL OF ART

##### (140) Art

ADD

**102 Introduction to 4-D Studio Art (3)** A thematic introduction to visual literacy, basic art theory, and technique in 4-D art through verbal, written, and experiential exercise.

*(RE) Corequisite(s): 101 or 103.*

DROP

##### 295 Intermediate Design and Color (3)

REVISE TITLE AND DESCRIPTION

**101 Introduction to Studio Art I (3)** A thematic introduction to visual literacy, basic art theory, inter-media technique, and material focusing on formal understanding through verbal, written, and experiential exercise.

REVISE TITLE, DESCRIPTION, AND ADD (RE) PREREQUISITE

**103 Introduction to Studio Art II (3)** A thematic introduction to visual literacy, basic art theory, inter-media technique, and material focusing on conceptual understanding through verbal, written, and experiential exercise.

*(RE) Prerequisite(s): 101.*

### **(135) Art Ceramics**

REVISE REPEATABILITY

**421 Ceramics: Advanced Handbuilding (6)**

*Repeatability: May be repeated. Maximum 18 hours.*

**422 Ceramics: Advanced Throwing (6)**

*Repeatability: May be repeated. Maximum 18 hours.*

## **DEPARTMENT OF AUDIOLOGY AND SPEECH PATHOLOGY**

### **(160) Audiology and Speech Pathology**

DELETE (RE) COREQUISITE

**303 Introduction to Hearing Science (3)**

## **DEPARTMENT OF BIOCHEMISTRY AND CELLULAR AND MOLECULAR BIOLOGY**

### **(188) Biochemistry and Cellular and Molecular Biology**

REVISE TO ADD CONTACT HOUR DISTRIBUTION AND DELETE (DE) PREREQUISITES

**403 Advanced Genetics Laboratory (3)**

*Contact Hour Distribution: Laboratory and lecture.*

REVISE CREDIT HOURS AND (RE) PREREQUISITES

**404 Plant Molecular Biology (3)**

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

## **DIVISION OF BIOLOGY**

### **(190) Biology**

REVISE DESCRIPTION, ADD CONTACT HOUR DISTRIBUTION AND COMMENTS

★ **111 General Botany (4)** Introduction to the principles of plant biology covering cell biology, respiration, photosynthesis, genetics (including mitosis, meiosis, Mendelian inheritance, recombinant DNA Technology) and classification and diversity of the prokaryotes, fungi, protista, and plant kingdoms. **(NS)**

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

*Comment(s): Although not required, it is recommended 111-112 be taken in sequence.*

REVISE DESCRIPTION, ADD CONTACT HOUR DISTRIBUTION AND COMMENTS

★ **112 General Botany (4)** Topics include development of the plant body, anatomy, hormonal and environmental growth regulation, plant nutrition, regulation of water and nutrients, origin of life and mechanisms of evolution, speciation, and population genetics, ecology including dynamics of communities and ecosystems, the interaction of plants and people including origin of agriculture, the Green Revolution, and plants as medicines, a survey of current environmental issues related to plant biology and tree identification. **(NS)**

*Contact Hour Distribution: 3 hours lecture, 1 hour lab and field trips.*

*Comments: Although not required, it is recommended 111-112 be taken in sequence.*

**DEPARTMENT OF CHEMISTRY****(235) Chemistry**

ADD

**358 Honors: Organic Chemistry I (3)** Enhanced version of Chemistry 350 with added emphasis on reactive species, important structural variations, synthesis, and biological implications.

*Credit Restriction: Students may not receive credit for both 358 and 350.*

*(DE) Prerequisite(s): 138 or 130.*

*Comment(s): Students using 130 as a prerequisite must have a grade of B or better and permission of instructor.*

*Intended and recommended for chemistry, biochemistry, and other physical science majors preparing for careers in science or health-related fields.*

**368 Honors: Organic Chemistry II (3)** Enhanced version of Chemistry 360 with added emphasis on reactive species, important structural variations, synthesis, and biological implications.

*Credit Restriction: Students may not receive credit for both 368 and 360.*

*(DE) Prerequisite(s): 358 or 350.*

*(RE) Corequisite(s): 369.*

*Comment(s): Students using 350 as a prerequisite must have a grade of B+ or better and permission of instructor.*

*Intended and recommended for chemistry, biochemistry, and other physical science majors preparing for careers in science or health-related fields.*

REVISE (RE) PREREQUISITE

**360 Organic Chemistry II (3)**

*(RE) Prerequisite(s): 350 or 358.*

REVISE DESCRIPTION AND (RE) COREQUISITE

**369 Organic Chemistry Laboratory (2)** Experiments on topics discussed in 350-360 and 358-368.

*(RE) Corequisite(s): 360 or 368.*

**DEPARTMENT OF CLASSICS****(257) Classics**

ADD

**340 Greek and Roman Athletics (3)** A survey of Greek and Roman athletic festivals and events, and the role of athletes in ancient society; special focus on the Olympic Games. Writing-emphasis course.

**384 Gender and Sexuality in Ancient Rome (3)** Examines the Roman view of gender roles and sexuality. Evidence from literature, epigraphy, and material culture is used to consider what the ideals of behavior were for Roman women and men, what constituted deviation from these ideals, and how "real" Romans may actually have behaved. Writing-emphasis course.

**445 Ancient and Medieval Seafaring (3)** Survey of seafaring in the Mediterranean and northern Europe from its very beginning, c. 11,000 BCE, until the late Middle Ages. Discussion of shipwrecks, iconographic evidence, and texts. Emphasis on ship construction and the evidence it provides about seafaring, naval warfare, technology, the exploitation of natural resources, levels of labor, social differences in society, and changes in the economy. Writing-emphasis course.

**472 Latin Paleography (3)** Introduction to the Latin hands used in Western Europe from the Roman through the Humanistic period, when most writing in the West was in Latin. The focus is on identifying and dating hands and on transcribing them accurately. Discussions, student presentations, examinations, papers. Writing-emphasis course.

*(DE) Prerequisite(s): 431, 432, or 435.*

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

ADD AND REQUEST APPROVAL FOR VARIABLE TITLE

**471 Special Topics in Medieval Latin Literature (3)** Selected topics in Medieval Latin literature. Discussions, student presentations, examinations, papers. Writing-emphasis course.

*Repeatability: May be repeated. Maximum 9 hours.*

*(DE) Prerequisite(s): 431, 432, or 435.*

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

REVISE DESCRIPTION OF PRIMARY COURSE AND DELETE CROSS-LISTING

**362 Roman Law (3)** Historical development of Roman law in the Classical period (50 BCE-250 CE) with particular attention to the analysis of case-law in the areas of contract, property, or delict. Writing-emphasis course.

**FORMER DEPARTMENT OF COMPUTER SCIENCE (SEE COLLEGE OF ENGINEERING)**

## MEMORANDUM

To: UT Faculty and Staff  
 From: Robert Holub, Provost and Vice Chancellor for Academic Affairs  
 Subject: Merger of Computer Science and Electrical and Computer Engineering  
 Date: Nov. 17, 2006

It gives me great pleasure to announce the merger of the Department of Computer Science and the Department of Electrical and Computer Engineering. The new department, which will be named the Department of Electrical Engineering and Computer Science, will reside in the College of Engineering. It will provide new perspectives on computational science and open up novel and exciting possibilities for creative work.

The faculties of each of these departments have already agreed in principle to approve the merger, which will officially take place on July 1, 2007. Committees consisting of members from both former departments have been hard at work ironing out the details. The departments and the entire faculty owe a great debt of thanks to the merger committee that has worked so hard to organize this union and to keep it on track.

I am certain that the existence of Electrical Engineering and Computer Science signals a new day for computational sciences on the Knoxville campus. I look forward to working with Dean Way Kuo and with the new unit to make certain that the transition is accomplished smoothly.

MOVE ACADEMIC DISCIPLINE (266) COMPUTER SCIENCE AND COURSES FROM THE DEPARTMENT OF COMPUTER SCIENCE (COLLEGE OF ARTS AND SCIENCES) TO THE DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE (COLLEGE OF ENGINEERING)

**DEPARTMENT OF EARTH AND PLANETARY SCIENCES****(424) Geology**

ADD

★ **207 Honors: Age of the Dinosaurs (4)** Students in this course will attend the lectures of Geology 205 and complete all assignments for that class. In addition, the students will participate in a field trip, hands-on exercises, and discussion sessions with the instructor. **(NS)**

*Contact Hour Distribution: 2 hour discussion and 1 field trip.*

*Credit Restriction: Students may not receive credit for both 207 and 205.*

★ **208 Honors: Earth as an Ecosystem: Modern Problems and Solutions (4)** Students in this course will attend the lectures of Geology 202 and complete all assignments for that class. In addition, students will participate in field trips, site sampling, and research discussions with the instructor. **(NS)**

*Contact Hour Distribution: 2 hour discussion and 2 field trips.*

*Credit Restriction: Students may not receive credit for both 208 and 202.*

**497 Honors: Senior Thesis (3)** Student- or instructor-initiated independent study resulting in completion of an approved senior thesis.

*Credit Restriction: Applies only to honors geology concentration or Chancellor's Honors.*

*Registration Permission: Consent of instructor.*

**DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY****(278) Ecology and Evolutionary Biology**

ADD AND CROSS-LIST PRIMARY COURSE

**413 Art and Organism - Integrative Biology of Aesthetic Experience (3)** An integrative approach to fundamental concepts of developmental biology, ecology, evolutionary biology, and physiology applied to culture, art and aesthetic experience. *(Same as University Studies 413.)*

## EQUIVALENCY TABLE

Current Course	Equivalent Course Fall 2008
University Studies (984) 411	Ecology and Evolutionary Biology (278) 413

**426 Plant-Animal Interactions (3)** Introduction to the evolutionary and ecological aspects of interactions between plants and animals, including herbivory, pollination, and seed dispersal. Emphasis is on historical development of the field, discussions of primary literature, design of experiments, and writing.

*(RE) Prerequisite(s): Biology 250.*

DROP

**402 Practicum in Ecology and Evolutionary Biology (2)**

**412 Minicourse in Ecology and Evolutionary Biology (2)**

REVISE DESCRIPTION AND DELETE REPEATABILITY

**490 Undergraduate Seminar (1)** Weekly departmental research seminar presenting current research in the areas of ecology, behavior and evolutionary biology by UT faculty and researchers from around the world.

## DEPARTMENT OF ENGLISH

### (339) English

ADD AND CROSS-LIST SECONDARY COURSES

★ **225 Introduction to African Literature (3)** (See *Africana Studies 225.*) (AH)

**335 African Literature (3)** (See *Africana Studies 335.*)

ADD AND CROSS-LIST PRIMARY COURSES

★ **226 Introduction to Caribbean Literature (3)** Survey of the major genres in Caribbean literature. Course makes cross-cultural and cross-national comparisons; general overview of themes and styles. Major authors may include: Naipul, Rhone, Brathwaite, Hodge, Mais, Lovelace, and Marshall. Writing-emphasis course. (Same as *Africana Studies 226.*) (AH)

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

**336 Caribbean Literature (3)** Survey of the major works of Caribbean literature; emphasis on poetry, drama, prose fiction, applicable theory and critical terms. Major authors may include: Brodber, Rhone, Lamming, Brathwaite, Naipul, Walcott, Selvon, Kincaid, and Marshall. Writing-emphasis course. (Same as *Africana Studies 336.*)

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

REVISE DESCRIPTION, CREDIT RESTRICTION, AND COMMENTS

**118 Honors: English Composition (3)** Grading scale and workload are same as in regular sequence though course proceeds at an accelerated pace. Emphasis on argumentation, critical inquiry, rhetorical analysis, and research methods. May include the study of a long work of literature or nonfiction in addition to a selection of interdisciplinary readings.

*Credit Restriction: Students receiving a passing grade below B in 118 will complete the English Composition requirement by taking 102. Students receiving a grade of B or above will complete their freshman English requirements by choosing 102, a sophomore-level course in the English Department, or 355.*

*Comment(s): ACT English and composite scores at or above 29 or SAT critical reading and composite scores of 680 and 1280 required.*

REVISE DESCRIPTION

★ **254 Themes in Literature (3)** Study of important themes in English, American, and World Literatures. Some sample themes are religion, crime, law, ecology, science, exploration, revolution, colonization initiation, education. Multi-genre focus. See Timetable for topics. (AH) (WC)

REVISE TO ADD PREREQUISITE

**262 Introduction to Poetry Writing (3)**

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

REVISE TITLE AND DESCRIPTION OF PRIMARY CROSS-LISTED COURSE

**381 American Tales, Songs, and Material Culture: An Introduction to Folklore (3)** Modern folklore/folk-life studies. Emphasis upon folktale, tall tale, myth, legend, folk balladry and music, proverbs, riddles, superstitions, games, food, crafts, art, and architecture. (Same as *American Studies 381.*)

REVISE CROSS-LISTING OF PRIMARY COURSE

**490 Language and the Law (3)** (Same as *Linguistics 490.*)

REVISE PRIMARY COURSE TO REMOVE CROSS-LISTING

**496 The Rhetoric of Legal Discourse (3)**

**DEPARTMENT OF GEOGRAPHY****(415) Geography**

ADD AND REQUEST APPROVAL FOR VARIABLE TITLE

**309 Special Topics (1-3)** Instructor-initiated course on selected research-related topics.  
*Repeatability: May be repeated. Maximum 6 hours.*

ADD AND CROSS LIST PRIMARY COURSE

**374 Geography of East Asia (3)** Physical, cultural and economic characteristics of East Asia. Writing-emphasis course.  
*(Same as Asian Studies 374.)*

ADD

**451 The Global Economy (3)** Global patterns of industries and markets. International flow of resources, goods, and capital. Major trading blocs. Writing-emphasis course.

DROP

**351 The Global Economy (3)**

**EQUIVALENCY TABLE**

Current Course	Equivalent Course Fall 2008
(415) 351	(415) 451

REVISE CONTACT HOUR DISTRIBUTION

**432 Dendrochronology (4)**  
*Contact Hour Distribution: 3 hours lecture and 2 hours lab.*

**DEPARTMENT OF HISTORY****(462) History**

ADD

★ **267 Honors: A History of World Civilization (3)** Students will attend the appropriate 261 lectures and the designated honors discussion section. Writing-emphasis course. **(CC)**

★ **268 Honors: A History of World Civilization (3)** Students will attend the appropriate 262 lectures and the designated honors discussion section. Writing-emphasis course. **(CC)**

**INTERDISCIPLINARY PROGRAMS****(023) Africana Studies**

ADD PRIMARY COURSES AND CROSS LIST

★ **225 Introduction to African Literature (3)** Survey of first wave of African literature up to the mid-1960s; course discusses the major genres and emphasizes comparative, cross-cultural and cross-national approaches. Writing-emphasis course. *(Same as English 225.) (AH)*  
*(RE) Prerequisite(s): English 102 or 118.*

**335 African Literature (3)** Survey of the major works and issues in African literature from the mid – 1960s to the present. Special emphasis placed on the refashioning of the English language to carry an identifiably African experience; focus on fiction and drama, applicable theory and critical terms. Writing-emphasis course. *(Same as English 335.)*  
*(RE) Prerequisite(s): English 102 or 118.*

ADD SECONDARY COURSES CROSS-LISTED COURSES

★ **226 Introduction to Caribbean Literature (3)** *(See English 226.) (AH)*

**336 Caribbean Literature (3)** *(See English 336.)*



**(145) Asian Studies**

ADD SECONDARY CROSS-LISTED COURSE

**374 Geography of East Asia (3)** *(See Geography 374.)***(440) Global Studies**

ADD

**492 Off-Campus Study (1-15)***Repeatability: May be repeated. Maximum 15 hours.**Comment(s): Requires advance approval of hours and topic by program chair.***(600) Latin American Studies**

ADD SECONDARY CROSS-LISTED COURSE

**303 Highlights of Brazilian Civilization (3)** *(See Portuguese 303.)***(617) Legal Studies**

DROP ACADEMIC DISCIPLINE AND ALL COURSES

**★ 244 Professional Responsibility (3)** *(See Philosophy 244.) (AH) (OC)***301 The Legal Environment of Business (3)** *(See Business Law 301.)***330 Law in American Society (3)** *(See Political Science 330.)***331 Sociological Research (3)** *(See Sociology 331.)***340 Women, Politics, and the Law (3)** *(See Women's Studies 340.)***341 Judicial Process and Policymaking (3)** *(See Political Science 341.)***362 Roman Law (3)** *(See Classics 362.)***392 Philosophy of Law (3)** *(See Philosophy 392.)***393 Global Justice and Human Rights (3)** *(See Philosophy 393.)***400 Mass Communication Law and Ethics (3)** *(See Journalism and Electronic Media 400.)***401 Political Analysis (3)** *(See Political Science 401.)***430 United States Constitutional Law: Sources of Power and Restraint (3)** *(See Political Science 430.)***431 United States Constitutional Law: Civil Rights and Liberties (3)** *(See Political Science 431.)***435 Criminal Law and Procedure (3)** *(See Political Science 435.)***442 Administrative Law and Regulatory Policymaking (3)** *(See Political Science 442.)***445 Administration of Justice (3)** *(See Political Science 445.)***451 Criminal Justice (3)** *(See Sociology 451.)***455 Society and Law (3)** *(See Sociology 455.)***469 Freedom of Speech (3)** *(See Communication Studies 469.)***470 International Law (3)** *(See Political Science 470.)***490 Language and Law (3)** *(See English 490.)***493 Independent Study (1-3)****494 Internship (3)****496 The Rhetoric of Legal Discourse (3)** *(See English 496.)***499 Mock Trial (1)**

**(994) Women's Studies**

ADD SECONDARY CROSS-LISTED COURSE

**454 Gender and Crime (3)** (See Sociology 453.)

REVISE PRIMARY COURSE TO DELETE CROSS-LISTING

**340 Women, Politics, and the Law (3)****DEPARTMENT OF MATHEMATICS****(641) Mathematics**

ADD

**307 Honors: Introduction to Abstract Mathematics (3)** Honors version of 300.*(RE) Prerequisite(s): 142.**Registration Restriction(s): Mathematics majors only.**Comment(s): Honors students and well-prepared students from other majors may enroll with permission of the instructor.***467 Honors: Topology (3)** Includes topology of line and plane, separation properties, compactness, connectedness, continuous functions, homeomorphisms, continua, and topological invariants.*(RE) Prerequisite(s): 300.**(DE) Prerequisite(s): 241 or 247.*

DROP

**461 Topology (3)**

EQUIVALENCY TABLE

Current Course	Equivalent Course Fall 2008
(641) 461	(641) 467

REVISE COMMENTS AND ADD REGISTRATION RESTRICTION

**497 Undergraduate Honors Seminar (2)***Registration Restriction(s): Students in honors mathematics concentration only.**Comment(s): Other students may register with permission of the instructor.***DEPARTMENT OF MODERN FOREIGN LANGUAGES AND LITERATURES****(405) French**

REVISE DESCRIPTION AND ADD (RE) PREREQUISITES

**432 Contemporary French Culture (3)** Current French cultural issues placed in historical perspective with a comparative emphasis. Writing-emphasis course.*(RE) Prerequisite(s): 351 or 352.***(433) German**

REVISE DESCRIPTION AND REGISTRATION PERMISSION

**477 German Honors (1)** Preparation of a proposal and an outline for an honors paper.*Registration Permission: Consent of program chair.***478 German Honors (1)** Preparation of a proposal and an outline for an honors portfolio.*Registration Permission: Consent of program chair.*

REVISE TO ADD DESCRIPTION

**497 Senior Honors (1-6)** Preparation of an honors paper or an honors portfolio, and oral presentation of the senior honors project to the German faculty.

REQUEST APPROVAL FOR VARIABLE TITLE

**305 Readings in German (3)****350 German-Jewish Topics in Literature and Culture (3)****420 Selected Topics in German Literature from 1750 to the Present (3)**

**(584) Italian**

REVISE TO ADD REPEATABILITY, COMMENTS, AND REQUEST APPROVAL FOR VARIABLE TITLE

**422 Topics in Italian Cinema (3)**

*Repeatability: May be repeated. Maximum 6 hours.*

*Comment(s): Open to non-majors. Majors will read texts and write papers in Italian.*

**(811) Portuguese**

ADD AND CROSS-LIST

**303 Highlights of Brazilian Civilization (3)** Survey of Brazilian civilization with special attention to geographical features, historical events and popular culture. Topics may vary. Taught in Portuguese. Writing-emphasis course. (*Same as Latin American Studies 303.*)

*Repeatability: May be repeated if content varies. Maximum 6 hours.*

*Recommended Background: 212 or 400.*

DROP

**302 Literature, Culture, and Civilization of the Portuguese-Speaking World (3)**

REVISE TITLE AND DESCRIPTION, DELETE (RE) PREREQUISITES, ADD RECOMMENDED BACKGROUND

**301 Cultural Readings in Portuguese (3)** Emphasis on key areas of the language, literature, and other cultural aspects of the Portuguese-speaking world. Taught in Portuguese.

*Recommended Background: 212 or 400.*

REVISE DESCRIPTION, ADD COMMENT, AND DELETE (RE) PREREQUISITE OF PRIMARY CROSS-LISTED COURSE

**315 Aspects of Luso-Brazilian Literature (3)** Selected writers, trends, and artistic movements set against a broad background of cultural, socio-political and historical developments. Taught in English. Writing-emphasis course. (*Same as Latin American Studies 315.*)

*Comment(s): Open to non-majors. Portuguese majors and minors will read texts and write papers in Portuguese.*

**(924) Spanish**

ADD

**420 Applied Linguistics (3)** Introduction to applied linguistics, with a special emphasis on the theoretical and practical aspects of the teaching of Spanish as a foreign language. Fundamental concepts in linguistics within the context of Spanish grammar and their use in the study of second language acquisition, foreign language learning and foreign language teaching. Conducted in Spanish with readings in both English and Spanish.

*(RE) Prerequisite(s): 323.*

REVISE RECOMMENDED BACKGROUND AND ADD COMMENT

**150 Intermediate Spanish Transition (3)**

*Recommended Background: At least 2 years of Spanish in high school.*

*Comment(s): Placement exam required.*

DELETE (DE) PREREQUISITE AND REVISE COMMENT

**★ 217 Honors: Intermediate Spanish (3) (CC)**

*Comment(s): Departmental placement test required.*

**SCHOOL OF MUSIC****(698) Music General**

ADD

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

*Repeatability: May be repeated. Maximum 30 hours.*

*Registration Permission: Consent of instructor.*

**(710) Music Instrumental**

ADD

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

*Repeatability: May be repeated. Maximum 30 hours.*

*Registration Permission: Consent of instructor.*

**(711) Music Jazz**

ADD

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

*Repeatability: May be repeated. Maximum 30 hours.  
Registration Permission: Consent of instructor.*

**(712) Music Keyboard**

ADD

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

*Repeatability: May be repeated. Maximum 30 hours.  
Registration Permission: Consent of instructor.*

**(713) Music Performance**

ADD

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

*Repeatability: May be repeated. Maximum 30 hours.  
Registration Permission: Consent of instructor.*

REVISE TITLE

**140 Euphonium (1-3)****141 Euphonium (1-3)****240 Euphonium (1-3)****241 Euphonium (1-3)****340 Euphonium (1-3)****341 Euphonium (1-3)****440 Euphonium (1-3)****441 Euphonium (1-3)****(717) Music Technology**

ADD

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

*Repeatability: May be repeated. Maximum 30 hours.  
Registration Permission: Consent of instructor.*

**(715) Music Voice**

ADD

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

*Repeatability: May be repeated. Maximum 30 hours.  
Registration Permission: Consent of instructor.*

**DEPARTMENT OF PHILOSOPHY****(745) Philosophy**

ADD

★ **327 Honors: Ancient Western Philosophy (3)** Honors version of 320. Writing-emphasis course. **(WC)**

★ **328 Honors: 17th- and 18th-Century Philosophy (3)** Honors version of 324. Writing-emphasis course. **(WC)**

★ **347 Honors: Ethics (3)** Honors version of 340. Writing-emphasis course. **(WC)**

**407 Honors: Thesis (1-3)**

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

ADD AND REQUEST APPROVAL FOR VARIABLE TITLE

**460 Topics in Philosophy of Science (3)**

*Repeatability: May be repeated if topic differs. Maximum 6 hours.  
Recommended Background: 6 hours of philosophy courses.*

**480 Topics in Metaphysics and Epistemology (3)**

*Repeatability: May be repeated if topic differs. Maximum 6 hours.  
Recommended Background: 6 hours of philosophy courses.*

REVISE PRIMARY COURSE TO DELETE CROSS-LISTING WITH LEGAL STUDIES

★ **244 Professional Responsibility (3)** (*Same as Religious Studies 244.*) **(AH) (OC)**

**392 Philosophy of Law (3)**

**393 Global Justice and Human Rights (3)** (*Same as Global Studies 393.*)

**DEPARTMENT OF POLITICAL SCIENCE**

**(801) Political Science**

REVISE PRIMARY COURSE TO REMOVE CROSS-LISTING WITH LEGAL STUDIES

**330 Law in American Society (3)**

**341 Judicial Process and Policymaking (3)**

**401 Political Analysis (3)**

**430 United States Constitutional Law: Sources of Power and Restraint (3)**

**431 United States Constitutional Law: Civil Rights and Liberties (3)**

**435 Criminal Law and Procedure (3)**

**442 Administrative Law and Regulatory Policymaking (3)**

**445 Administration of Justice (3)**

**470 International Law (3)**

**DEPARTMENT OF PSYCHOLOGY**

**(830) Psychology**

ADD

**435 Multicultural Psychology (3)** Issues of race, ethnicity, socioeconomic status, gender, spirituality, sexual orientation, and ability level as related to the theory, research, and practice of psychology will be examined. Focus will be on increasing personal self-awareness and knowledge of multicultural issues.

*(RE) Prerequisite(s): 110.*

**DEPARTMENT OF RELIGIOUS STUDIES**

**(863) Religious Studies**

ADD

★ **107 Honors: World Religions in History (3)** Introduction of religion in culture and society, including examination of religious traditions from China, India, and the Mediterranean world. Writing-emphasis course. **(CC)**

**DEPARTMENT OF SOCIOLOGY**

**(915) Sociology**

ADD

**463 Community Sociology (3)** The environment shapes human interactions and human interactions shape the construction of environments. This course explores how individuals construct and participate in communities.

REVISE DESCRIPTION AND REMOVE CROSS-LISTING WITH LEGAL STUDIES

**331 Sociological Research (3)** Selected issues in philosophy of social science, research design, sampling, methods of data collection, and interpretation.

REVISE PRIMARY COURSE TO REMOVE CROSS-LISTING WITH LEGAL STUDIES

**451 Criminal Justice (3)**

**455 Society and Law (3)**

REVISE TITLE

**452 Race, Ethnicity, Crime, and Justice (3)**

REVISE PRIMARY COURSE TO ADD CROSS-LISTING

**453 Gender and Crime (3)** (*Same as Women's Studies 454.*)

## DEPARTMENT OF THEATRE

### (976) Theatre

ADD

**484 Photography for the Theatre (3)** Digital photography techniques for shooting live performance events under challenging lighting environments.

*Registration Permission: Consent of instructor.*

DROP

**454 Scenery Painting (2)**

**462 Lighting Design II (3)**

REVISE CREDIT HOURS

**242 Fundamentals of Costume Design and Technology (3)**

**252 Fundamentals of Scene Design and Technology (3)**

**262 Fundamentals of Lighting Design and Technology (3)**

**481 Applied Theatre (1)**

REVISE TITLE

**321 Advanced Acting II (3)**

REVISE TITLE AND ADD REGISTRATION PERMISSION

**450 Special Topics in Design and Technology (1-3)**

*Registration Permission: Consent of instructor.*

## PART II: PROGRAM CHANGES

### COLLEGE OF ARTS AND SCIENCES

REVISE REQUIREMENTS

Part A: Divisional Distribution Requirements: Natural Science, List B

Add Anthropology 117

Add Geology 207, 208

Part A: Divisional Distribution Requirements: Social Science, List A

Add Anthropology 137

Part A: Divisional Distribution Requirements: Social Science, List B

Add Anthropology 127

Delete Musicology 290

Part A: Divisional Distribution Requirements: Humanities, List B

Add Philosophy 347

Part A: Divisional Distribution Requirements: Humanities, List C – Study or Practice of the Arts  
 Add Musicology 290\*  
 Delete University Honors 157, 257

Part A: Divisional Distribution Requirements: Non-U.S. History  
 Add History 267, 268

Part B: Upper Level Distribution Requirements: List A, United States Studies  
 Add Anthropology 454  
 Delete Legal Studies 330, 340, 455, 469

Part B: Upper Level Distribution Requirements: List B, Foreign Studies, Africa  
 Add Africana Studies 335  
 Add English 335

Part B: Upper Level Distribution Requirements: List B, Foreign Studies, Asia  
 Add Asian Studies 374  
 Add Geography 374

Part B: Upper Level Distribution Requirements: List B, Foreign Studies, Europe  
 Add Classics 340, 362, 384, 442, 443, 444, 445, 471, 472  
 Add Philosophy 327, 328

Part B: Upper Level Distribution Requirements: List B, Foreign Studies, Latin America  
 Add Africana Studies 336  
 Add English 336  
 Add Latin American Studies 303  
 Add Portuguese 303

On page 75 of the 2007-2008 *Undergraduate Catalog* under the heading "Majors," add the following paragraph between the first and second paragraph:

#### **Majors**

Students may declare a major as soon as they have met required standards; however, they must officially declare a major by the time they have earned 75 credit hours. Transfer students who have earned more than 75 hours before entering UT must declare a major upon completing 15 hours of UT credit. The requirements for declaring a specific major are stated under the department or program listing. To declare a major, students should go to the academic department which houses the major. For more information, contact Arts and Sciences Advising Services.

On page 74 of the 2007-2008 *Undergraduate Catalog*, Part B: Upper Level Distribution Requirements, revise to delete 2nd paragraph and add the following to 1st paragraph:

All students must complete one course from each list. All courses are writing-emphasis courses.

## **PRE-PROFESSIONAL PROGRAMS**

### **REVISE PRE-DENTAL CONCENTRATION**

#### **Requirements for the Bachelor of Science - Pre-Professional Programs Major - Pre-Dental Concentration**

<b>First Year</b>	<b>Hours Credit</b>
Move from Second Year to First Year:	
Communicating Orally (OC) course*.....	3
Delete:	
Electives.....	3
<b>Second Year</b>	
Insert (on last line):	
Biology 240.....	4
<b>Third Year</b>	
Delete:	
<sup>7</sup> Electives.....	0-10
Insert (on last two lines):	
Biochemistry and Cellular and Molecular Biology 401.....	4
<sup>7</sup> Other Biology.....	4-5

Revise footnote 7 to:

<sup>7</sup>The College of Dentistry requires one of the following courses: Microbiology 310-319, 210; Ecology and Evolutionary Biology 240.

Revise total to:

**Total 92 minimum**

Formerly: Total 90 minimum

## DEPARTMENT OF ANTHROPOLOGY

### REVISE PROGRESSION REQUIREMENTS

#### **Progression Requirements**

Progression into the anthropology major is based on performance in the three prerequisite courses – 110 or 117, 120 or 127, and 130 or 137.

Formerly:

Progression into the anthropology major is based on performance in the three prerequisite courses – 110,120, and 130.

### REVISE ANTHROPOLOGY MAJOR

#### **ANTHROPOLOGY MAJOR**

##### **Archaeological method and theory**

One course from 361, 362, 461, 464.

Formerly:

One course from 361, 362, 440, 464.

##### **Archaeological area**

One course from 360, 363, 454, 462, 463, 466.

Formerly:

One course from 360, 363, 462, 463

Delete last paragraph under Anthropology Major heading:

Continuation in the anthropology major requires maintenance of a 2.50 GPA or better in all anthropology courses. Students failing to meet this standard will be notified in writing that they are on probation and their records will be reviewed. Those who continue in probationary status for two consecutive semesters will be dropped from the major.

### REVISE HONORS ANTHROPOLOGY CONCENTRATION

#### **HONORS CONCENTRATION**

The Department of Anthropology offers introductory honors courses (117, 127, 137), an honors course for juniors (357) and a Senior Honors Thesis (457), leading to an honors concentration. The honors concentration consists of at least 12 hours of anthropology honors courses, generally distributed as follows: at least 2 of the 3 introductory honors courses should be taken (during the freshman and/or sophomore years), 357 (generally during the Fall semester of the junior year) and at least three hours of 457 (generally taken during the senior year). To provide access to the honors concentration for transfer students and for students who have already completed the basic prerequisite courses, at least six hours of anthropology Honors-by-Contract courses may be completed in addition to 357 and 457. To satisfy the remaining requirements for the major, 24 additional hours of upper-division coursework in anthropology must be completed as specified above.

Permission of the instructor is required to enroll in any of the introductory honors courses. To progress into 357, grades of B or better in the introductory honors courses are required or permission of instructor if the student did not complete the introductory honors sequence. A grade of B or better and a thesis proposal approved by the instructor of 357 and by the faculty member agreeing to direct the thesis are required in order to enroll in 457. The Senior Honors Thesis (457) is expected to be either original research or an in-depth literature review of a relevant anthropological topic. To graduate with honors the student must pass 457 with a grade of B or better.

Upon completion of the above requirements, and the earning of a final cumulative university GPA of at least 3.25, the student will graduate with Honors in Anthropology.

### REVISE ANTHROPOLOGY MINOR

#### **Minor in Anthropology**

Anthropology 110 or 117, 120 or 127, and 130 or 137 are prerequisite to a minor in anthropology . . .

Formerly:

Anthropology 110, 120, 130 are prerequisite to a minor in anthropology . . .



**SCHOOL OF ART**

REVISE CERAMICS CONCENTRATION

**Requirements for the Bachelor of Fine Arts - Studio Art Major - Ceramics Concentration**

<b>Core</b>	<b>Hours Credit</b>
Art 101, 102, 103 .....	9
Formerly:	
Art 101, 103.....	6
Art 295.....	3
<b>Concentration</b>	
Approved Concentration Elective: Art Sculpture 246 or 346 .....	3
Formerly:	
Approved Concentration Electives: Art Ceramics 424, 429; Art Drawing 212; Art Sculpture 241, 242, 243, 245, 246; Art Printmaking 262, 263; Art Painting 213, 214, 215 .....	9
<b>General Curriculum (consult University General Education Requirement for appropriate choices within each category)</b>	
Communicating through Writing* .....	3
Communicating Orally* .....	3
Formerly:	
Communicating through Writing* .....	0-3
Communicating Orally* .....	0-3
<b>Total 120</b>	
Formerly: Total 120-126	

REVISE DRAWING CONCENTRATION

**Requirements for the Bachelor of Fine Arts - Studio Art Major - Drawing Concentration**

<b>Core</b>	<b>Hours Credit</b>
Art 101, 102, 103 .....	9
Formerly:	
Art 101, 103.....	6
Art 295.....	3
<b>Concentration</b>	
Approved Concentration Electives - 6 hours from Art Drawing 219/419 (maximum 6 hours); Art Painting 213, 214, 215, 216; Art Printmaking 262, 263 .....	6
Formerly: 9 hours	
Studio Electives .....	12
Formerly:	
.....	15
<b>General Curriculum (consult University General Education Requirement for appropriate choices within each category)</b>	
Communicating through Writing* .....	3
Communicating Orally* .....	3
Formerly:	
Communicating through Writing* .....	0-3
Communicating Orally* .....	0-3
<b>Total 120</b>	
Formerly: Total 120-126	

REVISE MEDIA ARTS CONCENTRATION

**Requirements for the Bachelor of Fine Arts - Studio Art Major - Media Arts Concentration**

<b>Core</b>	<b>Hours Credit</b>
Art 101, 102, 103 .....	9
Formerly:	
Art 101, 103.....	6
Art 295.....	3

**Concentration**

Art Media Arts 435 and/or 436 ..... 16

Formerly:

Art Media Arts 435 and/or 436.....8

Art Media Arts photography courses (300 and 400 level).....8

300- and 400-level electives in Media Arts ..... 6

Formerly:

.....9

<sup>1</sup>Studio Electives

..... 9

Formerly:

.....12

**General Curriculum (consult University General Education Requirement for appropriate choices within each category)**

Communicating through Writing\* ..... 3

Communicating Orally\* ..... 3

Formerly:

Communicating through Writing\* .....0-3

Communicating Orally\* .....0-3

**Total 120**

Formerly: Total 120-126

REVISE PAINTING CONCENTRATION

**Requirements for the Bachelor of Fine Arts - Studio Art Major - Painting Concentration**

<b>Core</b>	<b>Hours Credit</b>
Art 101, 102, 103 .....	9

Formerly:

Art 101, 103.....6

Art 295.....3

**Concentration**

Approved Concentration Electives - 6 hours from the following - Art Drawing 219/419 (maximum 6 hours); Art Painting 215, 216; Art Drawing 212 ..... 6

Formerly:

.....9

<sup>1</sup>Studio Electives

..... 12

Formerly:

.....15

**General Curriculum (consult University General Education Requirement for appropriate choices within each category)**

Communicating through Writing\* ..... 3

Communicating Orally\* ..... 3

Formerly:

Communicating through Writing\* .....0-3

Communicating Orally\* .....0-3

Total 120

Formerly: 120-126

REVISE PRINTMAKING CONCENTRATION

Requirements for the Bachelor of Fine Arts - Studio Art Major - Printmaking Concentration

<b>Core</b>	<b>Hours Credit</b>
Art 101, 102, 103 .....	9
Formerly:	
Art 101, 103.....	6
Art 295.....	3
<b>Concentration</b>	
<sup>1</sup> Studio Electives .....	18
Formerly:	
.....	24
<b>General Curriculum (consult University General Education Requirement for appropriate choices within each category)</b>	
Communicating through Writing* .....	3
Communicating Orally* .....	3
Formerly:	
Communicating through Writing* .....	0-3
Communicating Orally* .....	0-3
<b>Total 120</b>	
Formerly: Total 120-126	

REVISE SCULPTURE CONCENTRATION

Requirements for the Bachelor of Fine Arts - Studio Art Major - Sculpture Concentration

<b>Core</b>	<b>Hours Credit</b>
Art 101, 102, 103 .....	9
Formerly:	
Art 101, 103.....	6
Art 295.....	3
<b>Concentration</b>	
<sup>1</sup> Studio Electives .....	18
Formerly:	
.....	24
<b>General Curriculum (consult University General Education Requirement for appropriate choices within each category)</b>	
Communicating through Writing* .....	3
Communicating Orally* .....	3
Formerly:	
Communicating through Writing* .....	0-3
Communicating Orally* .....	0-3
<b>Total 120</b>	
Formerly: Total 120-126	

REVISE WATERCOLOR CONCENTRATION

Requirements for the Bachelor of Fine Arts - Studio Art Major - Watercolor Concentration

<b>Core</b>	<b>Hours Credit</b>
Art 101, 102, 103 .....	9
Formerly:	
Art 101, 103.....	6
Art 295.....	3
<b>Concentration</b>	
Approved Concentration Electives - 6 hours from the following-Art Drawing 219/419 (maximum 6 hours); Art Painting 213, 214; Art Drawing 212.....	6
Formerly:	
.....	9

<sup>1</sup> Studio Electives .....	12
Formerly:	
.....	15
<b>General Curriculum (consult University General Education Requirement for appropriate choices within each category)</b>	
Communicating through Writing* .....	3
Communicating Orally* .....	3
Formerly:	
Communicating through Writing* .....	.0-3
Communicating Orally* .....	.0-3

**Total 120**

Formerly: Total 120-126

REVISE GRAPHIC DESIGN MAJOR

**Requirements for the Bachelor of Fine Arts - Graphic Design Major**

<b>Art Core</b>	<b>Hours Credit</b>
Art 101, 102, 103 .....	9
Formerly:	
Art 101, 103.....	6
Art 295.....	3
<b>Graphic Design</b>	
Art Graphic Design 251, 252, 351, 352, 356, 451, 452* (OC), 455 (in sequence) .....	24
Formerly:	
Art Graphic Design 251, 252, 351, 352, 356, 451, 452, 455 (in sequence).....	24

**Total 120**

Formerly: 123

REVISE ART HISTORY MAJOR

**Requirements for the Bachelor of Arts - Art History Major**

	<b>Hours Credit</b>
Art History 376 (WC)* .....	3
Insert on line after Total	
* Meets University General Education Requirement	
Formerly:	
Art History 376.....	3

REVISE STUDIO ART MAJOR (BACHELOR OF ARTS)

**Requirements for the Bachelor of Arts - Studio Art Major**

	<b>Hours Credit</b>
Art 101, 102, 103 (all with a grade of C or better).....	.9
Formerly:	
Art 101, 103, 295 .....	.9

**DIVISION OF BIOLOGY**

REVISE BIOLOGICAL SCIENCES MAJOR

On page 85 of the 2007-2008 *Undergraduate Catalog*, Biological Sciences Major, replace the entire section and delete Progression Requirements.

**BIOLOGICAL SCIENCES MAJOR**

The biological sciences major offers concentrations in biochemistry and cellular and molecular biology; ecology and evolutionary biology; microbiology; and plant biology. To declare biology as a major, Chemistry 120-130 and Biology 111-112 or 130 must be completed with a minimum grade of C.

**Prerequisites to all Concentrations**

Chemistry 120-130; Physics 221-222; Mathematics 141-142 or 151-152; Biology 111-112 or 130, Biology 140-240-250.

## REVISE BIOCHEMISTRY AND CELLULAR AND MOLECULAR BIOLOGY CONCENTRATION

On page 85 of the 2007-2008 *Undergraduate Catalog*, Biochemistry and Cellular and Molecular Biology Concentration, 1st bullet, revise 1st part of 1st sentence (through parentheses) to:

- At least 16 additional credit hours selected from biochemistry and cellular and molecular biology courses numbered 300 or above (except Biochemistry and Cellular and Molecular Biology 306, 310, 457)

Formerly:

At least 16 additional credit hours selected from biochemistry and cellular and molecular biology courses numbered 300 or above (except Biochemistry and Cellular and Molecular Biology 310, 457)

## REVISE ECOLOGY AND EVOLUTIONARY BIOLOGY CONCENTRATION (THIRD BULLET)

- Upper-Division Courses – A total of 24 additional hours is required at the 300 level or above. Fifteen of these hours must be ecology and evolutionary biology courses, (304, 305, 413 are not allowed for credit in the concentration) including one course from each of the following categories.

Evolution – Ecology and Evolutionary Biology 410, 426, 460, 465, and 495.

Formerly:

Upper-Division courses -- A total of 24 additional hours is required at the 300 level or above to include at least 15 hours from Ecology and evolutionary Biology, and at least one course from each of the following categories.  
Evolution -- Ecology and Evolutionary Biology 410, 460, 465, 495.

## REVISE HONORS ECOLOGY AND EVOLUTIONARY BIOLOGY CONCENTRATION

**Honors Option**

Requirements for the honors option are:

- Fulfill all requirements for the major in biological sciences with a concentration in ecology and evolutionary biology, while achieving at least a grade of B in the individual courses applied to the concentration, maintaining a GPA of at least 3.50 in this concentration, and an overall GPA of at least 3.25.
- Complete 9 hours of honors course work from: Undergraduate Research 400 and Independent Studies 493; 490 Undergraduate Seminar (1 credit); Honors-by-Contract courses at 300 level or higher.
- Complete Senior Honors Thesis 407 with thesis to be approved by student's committee.

## REVISE HONORS MICROBIOLOGY CONCENTRATION

**Honors Option**

An honors option is offered to students who have completed the required 300-level microbiology courses with a minimum grade point average of 3.50 in microbiology courses and 3.25 for all courses. Students must successfully complete an additional 15 hours of 400 level microbiology courses that must include the undergraduate research courses 401 and 402 (honors course), and write a thesis based on their research. Students must also complete nine additional hours of honors courses in addition to 402.

**DEPARTMENT OF CHEMISTRY**

## REVISE CHEMISTRY MAJOR (BACHELOR OF SCIENCE IN CHEMISTRY)

Revise Second Year to:

**BACHELOR OF SCIENCE IN CHEMISTRY - CHEMISTRY MAJOR**

<b>Second Year</b>	<b>Hours Credit</b>
Chemistry 350 or 358 - 360 or 368 .....	6

Formerly:

Chemistry 350-360 ..... 6

## REVISE CHEMISTRY MAJOR (BACHELOR OF SCIENCE)

Revise first sentence to:

**BACHELOR OF SCIENCE - CHEMISTRY MAJOR**

The major consists of Chemistry 240, 310, 319, 350-360 or 358-368, 369, 471-481 or 473-483, 479 and 10 hours of additional work in chemistry numbered above 200 that . . .

Formerly:

The major consists of Chemistry 240, 310, 319, 350-360, 369, 471-481 or 473-483, 479 and 10 hours of additional work in chemistry numbered above 200 that . . .

## REVISE HONORS CHEMISTRY CONCENTRATION

On page 87 of the 2007-2008 *Undergraduate Catalog*, replace with:

**HONORS CONCENTRATION**

Candidates for the honors concentration must fulfill all of the requirements for either the Bachelor of Science in Chemistry or the regular Bachelor of Science degree and must satisfy the following stipulations: they must complete with a grade of C or better Mathematics 141-142, Physics 135-136 or 137-138, and Chemistry 473-483; they must complete a senior research project and thesis by successfully completing Chemistry 400 and 408; they must take at least 12 hours of honors courses; and they must have an overall university GPA of 3.25 with a chemistry GPA of at least 3.25.

## REVISE CHEMISTRY MINOR

On page 88 of the 2007-2008 *Undergraduate Catalog*, replace with:

**Minor in Chemistry**

A minor in chemistry consists of 15 hours of chemistry courses numbered above 200 including 310, 319 (4 hours) and at least one of the following sequences: 350-360 or 358-68, 369 (8 hours); or 471-481, 479 (8 hours), or 473-483, 479 (8 hours).

**DEPARTMENT OF CLASSICS**

## REVISE CLASSICAL CIVILIZATION CONCENTRATION

**CLASSICAL CIVILIZATION CONCENTRATION**

The concentration in classical civilization consists of 27 hours. The required core of the major is Classics 201. 9 hours may be from any Classics course numbered 200 or above (excluding Classics 273); the remaining 15 hours must be from Classics 251-252, 261-264, any Classics course numbered 300 or above, History 366, and Philosophy 320. Students are encouraged to satisfy the foreign language requirement with Greek or Latin.

## REVISE HONORS CLASSICAL CIVILIZATION CONCENTRATION

**HONORS CLASSICAL CIVILIZATION CONCENTRATION**

The honors classical civilization concentration consists of 29 hours. The required core of the major is Classics 201. Nine hours may be from any Classics course numbered 200 or above (excluding Classics 273). Fifteen hours must include Classics 251-252 or 261-264 with the remaining 9 hours to be from any Classics course numbered 300 or above, History 366, and Philosophy 320. The student must pass Classics 201 with a B+ or better. To graduate with Honors, the student must maintain a GPA of at least 3.50 in Classics courses and a minimum cumulative UT GPA of 3.50. The student must also take a minimum of 15 hours of honors courses, not all of which need to be in the major subject area. Finally, the student will present an honors thesis for which two hours of course credit may be earned.

## REVISE GREEK CONCENTRATION

**GREEK CONCENTRATION**

The concentration in Greek consists of 27 hours including 18 hours of Greek language courses numbered above 200 plus 9 hours to be chosen from any courses in the Classics Department numbered above 200 (excluding Classics 201 and 273), History 366, and Philosophy 320.

## REVISE HONORS GREEK CONCENTRATION

**HONORS GREEK CONCENTRATION**

The honors Greek concentration consists of 29 hours. Eighteen hours of Greek language courses numbered above 200 are required, plus 9 from the following – any courses in the Classics Department numbered 200 and above (excluding 201 and 273), History 366, and Philosophy 320. The student must maintain a minimum GPA of 3.50 in Greek language courses and a minimum cumulative UT GPA of 3.50. In addition, of the 9 non-language hours described above, 6 must be in courses numbered 300 or higher. The student must take a minimum of 15 hours of honors courses, not all of which need to be in the major subject area. The student will present an honors thesis, for which 2 hours of independent study credit may be earned.

## REVISE LATIN CONCENTRATION

**LATIN CONCENTRATION**

The concentration in Latin consists of 27 hours including 18 hours of Latin language courses numbered above 200 plus 9 hours to be chosen from any courses in the Classics Department numbered above 200 (excluding Classics 201 and 273), History 366, and Philosophy 320.

## REVISE HONORS LATIN CONCENTRATION

**HONORS LATIN CONCENTRATION**

The honors Latin concentration consists of 29 hours. Eighteen hours of Latin language courses numbered above 200 are required, plus 9 from the following – any courses in the Classics Department numbered 200 and above (excluding 201 and 273), History 366, and Philosophy 320. The student must maintain a minimum GPA of 3.50 in Latin language

courses and a minimum cumulative UT GPA of 3.50. In addition, of the 9 non-language hours described above, 6 must be in courses numbered 300 or higher. The student must take a minimum of 15 hours of honors courses, not all of which need to be in the major subject area. The student will present an honors thesis, for which 2 hours of independent study credit may be earned.

#### REVISE CLASSICAL CIVILIZATION MINOR

##### **Minor in Classical Civilization**

A minor in classical civilization consists of 18 hours including Classics 201 plus any 6 hours from Classics courses numbered 200 or above (excluding Classics 273). The remaining 9 hours may be from Classics 261-264, 251-252, any Classics course numbered 300 or above, History 366, and Philosophy 320.

#### REVISE GREEK MINOR

##### **Minor in Greek**

The Greek minor consists of 18 hours including 12 hours of Greek language courses numbered above 200, and 6 hours chosen from any Classics courses numbered 200 or above (excluding Classics 201 and 273), History 366, and Philosophy 320.

#### REVISE LATIN MINOR

##### **Minor in Latin**

The Latin minor consists of 18 hours including 12 hours of Latin language courses numbered above 200, and 6 hours chosen from any Classics courses numbered 200 or above (excluding Classics 201 and 273), History 366, and Philosophy 320.

### **FORMER DEPARTMENT OF COMPUTER SCIENCE (SEE COLLEGE OF ENGINEERING)**

#### MEMORANDUM

To: UT Faculty and Staff  
From: Robert Holub, Provost and Vice Chancellor for Academic Affairs  
Subject: Merger of Computer Science and Electrical and Computer Engineering  
Date: Nov. 17, 2006

It gives me great pleasure to announce the merger of the Department of Computer Science and the Department of Electrical and Computer Engineering. The new department, which will be named the Department of Electrical Engineering and Computer Science, will reside in the College of Engineering. It will provide new perspectives on computational science and open up novel and exciting possibilities for creative work.

The faculties of each of these departments have already agreed in principle to approve the merger, which will officially take place on July 1, 2007. Committees consisting of members from both former departments have been hard at work ironing out the details. The departments and the entire faculty owe a great debt of thanks to the merger committee that has worked so hard to organize this union and to keep it on track.

I am certain that the existence of Electrical Engineering and Computer Science signals a new day for computational sciences on the Knoxville campus. I look forward to working with Dean Way Kuo and with the new unit to make certain that the transition is accomplished smoothly.

MOVE COMPUTER SCIENCE MAJOR, HONORS CONCENTRATION, AND MINOR FROM THE DEPARTMENT OF COMPUTER SCIENCE (COLLEGE OF ARTS AND SCIENCES) TO THE DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE (COLLEGE OF ENGINEERING).

### **DEPARTMENT OF EARTH AND PLANETARY SCIENCES**

#### REVISE GEOLOGY MAJOR

##### **GEOLOGY MAJOR**

##### **Corequisite Requirements**

Corequisite requirements include Mathematics 141-142, Biology 130, and Physics 135 or Physics 221.

Formerly:

Corequisite requirements include Mathematics 141-142, and three courses from Biology 130-140 and Physics 135-136.

#### REVISE HONORS GEOLOGY CONCENTRATION

##### **HONORS CONCENTRATION**

Students with five completed upper-division courses and a cumulative GPA of at least 3.25 are encouraged to pursue an honors concentration. In addition to fulfilling all requirements for the geology major, an honors concentration requires successful completion of 9 hours of honors course work (including Honors-by-Contract courses or other honors courses), 3 hours of Geology 491, 492, or 493 beyond normal major requirements, approval of a written thesis, and oral

presentation of the thesis results. A GPA of at least 3.25 must be maintained throughout matriculation. Interested students should consult their academic advisor for details.

## DEPARTMENT OF ENGLISH

### REVISE ENGLISH MAJOR AND CONCENTRATIONS

Delete English Major section and replace with the following:

#### ENGLISH MAJOR

The English major consists of ten courses at the 300-400 level; four of which are required of all majors and six of which are taken in one of the following concentrations: creative writing, literature, rhetoric and writing, or technical communication.

#### Prerequisites and Corequisites

Any two English courses at the 200 level.

#### CREATIVE WRITING CONCENTRATION

The concentration requires a two-course sequence in poetry or fiction writing (363-463 or 364-464); three additional writing courses; and one special topics course, major authors course, or senior seminar.

#### LITERATURE CONCENTRATION

The concentration requires 376 to be taken, if possible, near the beginning of the student's major program; one course in American literature; one course in literature before 1800; one additional literature course; one special topics course, major authors course, or senior seminar; and one English elective, preferably in a different concentration within English.

#### RHETORIC AND WRITING CONCENTRATION

The concentration requires 355 to be taken near the beginning of the student's major program; two of the following: 455, 495, 496; one additional course in rhetoric or writing; one special topics course, major authors course, or senior seminar; and one English elective.

#### TECHNICAL COMMUNICATION CONCENTRATION

The concentration requires 360 to be taken near the beginning of the student's major program; two of the following: 460, 462, 466; one additional course in rhetoric or writing; one special topics course, major authors course, or senior seminar; and one English elective.

#### INDIVIDUALIZED PROGRAM CONCENTRATION

The Director of Undergraduate Studies is empowered to approve individualized programs developed by students in consultation with their advisors. These programs should be designed to achieve academically sound objectives that are not addressed by the above requirements.

#### HONORS CONCENTRATION

For students who qualify, the English Department offers specially designed courses at all levels. The first-year and second-year honors courses are enriched versions of regular sections in composition, and in American and British literatures. To be given honors in English on the transcript, a student must have achieved a 3.25 or better GPA, a 3.5 or better grade point in English courses, and the student must complete 12 hours in honors courses in English at the 200-400 levels, including 398, Junior-Senior Honors Seminar, and 498, Senior Honors Thesis. Any 300 or 400-level courses in English may be taken for honors credit through the Honors-by-Contract program with the permission of the instructor. Courses taken at the graduate level for undergraduate credit may be petitioned to count for honors credit in English. Depending on the topic, 398 may be petitioned to count for one of the other English major requirements as well.

## DEPARTMENT OF GEOGRAPHY

### REVISE GEOGRAPHY MAJOR

On page 92 of the 2007-2008 *Undergraduate Catalog*, replace first paragraph with:

#### GEOGRAPHY MAJOR

Geography 131 and 132 and 101 or 102 are prerequisites to the major, which consists of 27 hours as follows. Geography 310 and 499; either 320, 421 or 423; either 340 or 351; one course from among 410, 411, 412, 413 or 415; one course from among 361, 363, 365, 366, 371, 373, or 374; and nine additional credits, at least 6 of which must be taken at the 400 level. No more than 3 hours of Geography 490 may be counted toward the major.

### REVISE HONORS GEOGRAPHY CONCENTRATION

#### HONORS CONCENTRATION

Students must maintain an overall GPA of 3.25 to graduate with honors. Twelve hours of honors work must be taken, including Geography 497 and 498 (Honors: Senior Thesis) under the direction of a faculty mentor. A written final copy of the thesis must be submitted to the Department of Geography. Balance of credit hours may be taken in honors courses or through honors-by-contract arrangements. Students should consult their advisor about participation.



## DEPARTMENT OF HISTORY

### REVISE HONORS HISTORY CONCENTRATION

#### HONORS CONCENTRATION

The honors concentration provides history majors the opportunity to work with a faculty mentor on an individualized research project. All declared history majors with an overall GPA of at least 3.25 are invited to participate in the honors concentration. The honors concentration consists of 33 hours, including 30 hours as outlined in the Bachelor of Arts major above. Honors students must take 307, 407-408, plus one additional honors course (which may be an honors-by-Contract course). A grade of B or above must be maintained in all honors courses, along with an overall GPA of 3.25.

The Department of History offers honors sections of the western civilization, world civilization, and United States history survey courses. These honors courses are open to non-majors as well. Students interested in honors work at any level should consult the department's honors coordinator.

## INTERDISCIPLINARY PROGRAMS

### REVISE GLOBAL STUDIES CONCENTRATION

#### Section A, Track II - Global Politics and Economy

add Economics 322, 421

### REVISE LATIN AMERICAN STUDIES CONCENTRATION

Revise 2nd paragraph, 2nd and 3rd sentences:

Three hours are to be selected from either Spanish 323 or Portuguese 315, 326. The remaining hours are to be chosen from Anthropology 313, 316, 319; Geography 373; History 360, 361, 460, 461, 462, 475; Political Science 456; Portuguese 430, 432; Spanish 331, 333, 334, 401, 402, 465, 479.

### REVISE MINOR IN LATIN AMERICAN STUDIES

Revise 2nd and 3rd sentences:

#### Minor in Latin American Studies

Six of the hours are to be the Introduction to Latin American Studies sequence 251-252; 3 of the hours are to be selected from either Spanish 323 or Portuguese 315, 326; the remaining 9 hours are to be selected from the courses listed in either track of the concentration.

### ● DROP LEGAL STUDIES CONCENTRATION

On page 95 of the 2007-2008 *Undergraduate Catalog*, Interdisciplinary Programs Major, Legal Studies Concentration, Delete the entire section.

### REVISE LINGUISTICS CONCENTRATION

#### Concentration (30 hours)

Revise 2nd bullet by removing Linguistics 429.

### REVISE LINGUISTICS MINOR

Revise 1st bullet by removing Linguistics 429.

## DEPARTMENT OF MATHEMATICS

### REVISE MATHEMATICS MAJOR

Revise first sentence, third paragraph:

#### MATHEMATICS MAJOR

Major requirements consist of 37 semester hours of mathematics courses including (1) Mathematics 231, 241 (or 247), 251 (257), 300 (307); and (2) . . .

REVISE MATHEMATICS HONORS CONCENTRATION

On page 98 of the 2007-2008 Undergraduate Catalog, Mathematics Honors Program, change heading to:

**HONORS CONCENTRATION**

Formerly: Honors Program

Delete the 2nd and 3rd paragraphs and replace with the following:

For purposes of the mathematics honors requirements, the upper-division mathematics GPA (MGPA) consists of the GPA for Mathematics 300 (307), all mathematics courses used to fulfill the requirements for part (2) of the mathematics major, and mathematics graduate courses numbered 510 or higher.

Students who wish to participate in the honors concentration must meet the requirements for, and officially declare, a mathematics major with honors concentration. A student may declare this concentration after completing Mathematics 300 (or 307) if his/her cumulative MGPA is at least 3.4. The mathematics honors concentration must be declared prior to the last 60 hours of enrollment (usually this means prior to the beginning of the junior year). The 60 hours requirement may be waived for students having a large number of transfer, AP, or other credits not earned at the University of Tennessee.

To continue as a mathematics major with honors concentration the student must:

- Maintain a 3.4 or higher cumulative MGPA. (Any mathematics honors student whose cumulative MGPA drops below 3.4 in a given semester may keep the honors concentration provided the cumulative MGPA returns to 3.4 after the subsequent semester and remains above 3.4 until graduation.)
- Attend at least three mathematics-related public lectures (such as the Mathematics Junior Colloquium or a departmental seminar) during each semester.
- Make adequate progress towards completing the mathematics honors thesis at least one full semester prior to graduation.

The requirements to graduate with honors in mathematics are the same as those for the mathematics major except in part (2) only six courses at the 300-400 level are required, and at least two 400-level two-semester sequences must be taken, at least one of which must be an honors sequence. Moreover, the following requirements must be met.

- Graduate with an overall GPA of at least 3.25 and an MGPA of at least 3.4.
- Complete at least 4 hours of Mathematics 497.
- Complete at least 3 hours of Senior Honors Thesis (Mathematics 498) and submit a completed thesis at least 30 calendar days prior to the end of the final semester of enrollment.
- Complete a total of 24 hours of honors courses or mathematics courses numbered 510 or higher (except seminars) for undergraduate credit, which may include courses used to fulfill other requirements to graduate with a mathematics honors concentration.

The honors category upon graduation is determined as follows: MGPA at least 3.40 – Honors; MGPA at least 3.60 – High Honors; MGPA at least 3.80 – Highest Honors.

REVISE INDUSTRIAL EMPLOYMENT - SAMPLE PROGRAM SHOWCASE

Revise Second Year, line one:

<b>Industrial Employment</b>	<b>Hours Credit</b>
<b>Second Year</b>	
Mathematics 231, 241 (or 247), 251 (or 257), and 300 (or 307).....	13

Formerly:  
Mathematics 231, 241 (or 247), 251 (or 257), and 300 ..... 13

REVISE PREPARATION FOR GRADUTE SCHOOL - SAMPLE PROGRAM SHOWCASE

Revise Second Year, line one:

<b>Preparation for Graduate School</b>	<b>Hours Credit</b>
<b>Second Year</b>	
Mathematics 231, 247, 257, and 307 (or 300).....	13

Formerly:  
Mathematics 231, 247, 257, and 300 ..... 13

## REVISE SECONDARY EDUCATION - SAMPLE PROGRAM SHOWCASE

Revise Second Year, line one:

<b>Secondary Education</b>	<b>Hours Credit</b>
<b>Second Year</b>	
Mathematics 231, 241 (or 247), 251 (257), and 300 (307) .....	13
Formerly:	
Mathematics 231, 241 (or 247), 251 (or 257), and 300 .....	13

REVISE ACCELERATED/5<sup>TH</sup> YEAR MASTER OF SCIENCE

Revise First Year, line one:

<b>Accelerated/5<sup>th</sup> Year Master of Science</b>	<b>Hours Credit</b>
<b>First Year</b>	
Mathematics 147-148 and 307 (or 300) .....	11
Formerly:	
Mathematics 147-148 and 300 ....	11

## REVISE MINOR IN MATHEMATICS

Revise second sentence:

**Minor in Mathematics**

The minor consists of Mathematics 231, 241 (or 247), 251 (257), 300 (307) and 9 additional hours at the 300-400 level (except 309, 399, 405, 490, 497 and 498).

Formerly:

The minor consists of Mathematics 231, 241, 251, 300 and 9 additional hours at the 300-400 level (except 309, 399, 405, 490, 497 and 498).

**DEPARTMENT OF MODERN FOREIGN LANGUAGES AND LITERATURES**

## REVISE GERMAN STUDIES CONCENTRATION

On page 101 of the 2007-2008 *Undergraduate Catalog*, German Major, German Studies Concentration, Literature, Culture, Arts, revise the list of German courses to:

**Literature, Culture, Arts**

German 301, 302, 305, 323, 350, 363, 415, 416, 419, 420, 431, 432, 433, 434

Formerly:

German 301, 302, 305, 323, 350, 415, 422, 423, 424

## REVISE HONORS GERMAN CONCENTRATION

Delete existing text and replace with:

**HONORS CONCENTRATION**

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 German 477 or 478 with a grade of B+ or better, and a senior honors project (German 497) directed by a faculty member. 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 (German 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 coursework. German honors students will also complete a study abroad experience in a German-speaking country.

To be admitted to the honors program, students must present a cumulative grade point average in German major courses of at least 3.50 and have an overall GPA of not less than 3.25. Students should apply for admission to the honors program at the end of their junior year. Application forms are available in the department office. Since courses taken abroad are not calculated in the overall average, the department reserves the right to make a judgment on the appropriateness of a study abroad curriculum for acceptance as honors work and to require other 400-level courses as a condition for the degree.

## REVISE LANGUAGE AND WORLD BUSINESS

On page 101 of the 2007-2008 *Undergraduate Catalog*, revise to add the following paragraph after the first paragraph:

**FRENCH, GERMAN, ITALIAN, RUSSIAN, SPANISH MAJOR • LANGUAGE AND WORLD BUSINESS  
CONCENTRATION or INTERDISCIPLINARY PROGRAMS MAJOR • LANGUAGE AND WORLD BUSINESS –  
CHINESE, JAPANESE, OR PORTUGUESE CONCENTRATION**

Due to the extensive and multidisciplinary coursework required by the language and world business concentration/major, students are permitted to use three courses from the concentration/major to fulfill College of Arts and Sciences Basic Skills and Distribution requirements. These courses include Statistics 201 (toward fulfilling the Mathematics and Quantitative Reasoning requirement), Economics 201 (toward fulfilling the Social Science requirement), and one course toward fulfilling the Humanities List A-Literature requirement or the Upper Level Distribution List B-Foreign Studies requirement.

On page 101, of the 2007-2008 *Undergraduate Catalog*, Language and World Business - Portuguese concentration, revise list of courses to:

**A. Language Requirements****Portuguese Concentration (30 hours)**

Portuguese 301, 302, 309, 315, 326, 430, 432; and 9 hours of courses from - Portuguese 400, 409, 490, 491, 493; History 360, 361, 460; Spanish 401, 465.

Formerly:

Portuguese 301, 302, 309, 315, 326, 409, and 430 or 432; and 9 hours of courses from - Portuguese 490, 491, 493; History 360, 361, 460; Spanish 401, 465.

**SCHOOL OF MUSIC**

## REVISE BACHELOR OF MUSIC - MUSIC EDUCATION CONCENTRATION – WIND/PERCUSSION EMPHASIS

Revise Footnote 1:

**Requirements for the Bachelor of Music • Music Education Concentration – Wind/Percussion Emphasis**

<sup>1</sup> Ensemble requirement of 7 credits to be divided as follows: 2 credits of Music Ensemble 353 (Wind Ensemble), 352 (Symphonic Band), 350 (Concert Band), or 370 (Symphony Orchestra); 380 (Concert Choir), 330 (Chamber Singers), 383 (Men's Chorale), 389 (Women's Chorale).

## REVISE BACHELOR OF MUSIC - MUSIC EDUCATION CONCENTRATION – STRING EMPHASIS

Revise Second Year, Third Year, Fourth Year and Footnotes:

**Requirements for the Bachelor of Music • Music Education Concentration – String Emphasis**

<b>Second year</b>	<b>Hours</b>	<b>Credit</b>
Music Education 210 or 211 .....	1	1
Music Education 220 or 221 .....	1	1
Formerly:		
Music Education 210.....	1	
Music Education 220.....	1	
<b>Third year</b>		
<sup>4</sup> Music Ensemble .....	1	1
<b>Fourth Year</b>		
<sup>5</sup> Social Sciences* .....	3	3
<sup>3</sup> Natural Sciences* .....	3	3
<sup>6</sup> Quantitative Reasoning* .....	3	3
Music Performance (300 or 400 level) .....	2	2
Music General 200 .....	0	0
<sup>4</sup> Music Ensemble .....	1	1

<sup>1</sup> See Cultures and Civilizations – University General Education Requirement. Select two courses on the list or two courses in a foreign language at the intermediate level.

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

<sup>3</sup> See Natural Sciences – University General Education Requirement. Select two courses from the list. At least one of the courses must have a laboratory.

<sup>4</sup> Choose from Music Ensemble 370 (Orchestra), 353 (Wind Ensemble), 350 (Concert Band), 352 (Symphonic Band), 380 (Concert Choir), 330 (Chamber Singers), 383 (Men's Chorale), or 389 (Women's Chorale)

<sup>5</sup> See Social Sciences – University General Education Requirement.

<sup>6</sup> See Quantitative Reasoning list – University General Education Requirement.

REVISE BACHELOR OF MUSIC - MUSIC MAJOR - MUSIC EDUCATION CONCENTRATION  
 – VOCAL-GENERAL/KEYBOARD EMPHASIS

Revise Music Ensemble Requirements and Third Year:

**Requirements for the Bachelor of Music • Music Major • Music Education Concentration – Vocal-  
 General/Keyboard Emphasis**

<b>First Year</b>	<b>Hours Credit</b>
Music Ensemble 330, 380, 383 or 389 .....	2
Formerly:	
Music Ensemble (1,1).....	2
<b>Second Year</b>	
Music Ensemble 330, 380, 383 or 389 .....	2
Formerly:	
Music Ensemble (1,1).....	2
<b>Third Year</b>	
<sup>3</sup> Natural Sciences* .....	4
Mathematics 115* .....	3
Music Performance (200- or 300-level Keyboard) (2,2).....	4
Music General 200 (0,0) .....	0
Music Ensemble 330, 380, 383 or 389 .....	2
Music Ensemble 399.....	2
Music Ensemble 340.....	1
Music Theory 450 .....	2
Musicology 380*.....	3
Music Education 210 or 211 .....	1
Music Education 251.....	1
Music Education 310, 320 (3,2) .....	5
Music Voice 450 .....	2
Instructional Technology 486.....	3
<b>Fourth Year</b>	
Music Ensemble 330, 380, 383 or 389 .....	1

REVISE BACHELOR OF MUSIC - MUSIC MAJOR - MUSIC EDUCATION CONCENTRATION – VOCAL-  
 GENERAL/VOCAL EMPHASIS

Revise Footnotes and Third Year Requirements:

**Requirements for the Bachelor of Music • Music Major • Music Education Concentration – Vocal-General/Vocal  
 Emphasis**

<b>First Year</b>	<b>Hours Credit</b>
<sup>2</sup> Music Ensemble (1,1) .....	2
<b>Second Year</b>	
<sup>3</sup> Cultures and Civilizations* .....	6
<sup>2</sup> Music Ensemble (1,1) .....	2
<b>Third Year</b>	
<sup>4</sup> Natural Sciences* .....	4
Mathematics 115* .....	3
Music Performance (200- or 300-level Voice) (2,2) .....	4
Music General 200 (0,0) .....	0
<sup>2</sup> Music Ensemble (1,1).....	2
Music Ensemble 340 .....	1
Music Theory 450 .....	2
Musicology 380*.....	3
Music Education 210 or 211 .....	1
Music Education 250, 251.....	2
Music Education 310, 320 .....	5
Music Voice 450 .....	2
Instructional Technology 486 .....	3
<b>Fourth Year</b>	
<sup>5</sup> Social Sciences .....	3
<sup>4</sup> Natural Sciences* .....	3

<sup>6</sup>Quantitative Reasoning\* ..... 3  
<sup>2</sup>Music Ensemble ..... 1

- <sup>1</sup> See Communicating Orally list – University General Education Requirement. Select one course from the list.  
<sup>2</sup> Choose from Music Ensemble 380 (Concert Choir), 330 (Chamber Singers), 383 (Men’s Chorale), 389 (Women’s Chorale).  
<sup>3</sup> See Cultures and Civilizations list – University General Education Requirement. Select two courses on the list or two courses in a foreign language at the intermediate level.  
<sup>4</sup> See Natural Sciences list – University General Education Requirement. Select two courses from the list. At least one of the courses must have a laboratory.  
<sup>5</sup> See Social Sciences list – University General Education Requirement.  
<sup>6</sup> See Quantitative Reasoning list – University General Education Requirement.

● ADD BRASS INSTRUMENTS CONCENTRATION (BACHELOR OF MUSIC - MUSIC MAJOR)

**Requirements for the Bachelor of Music • Music Major • Brass Instruments Concentration**

<b>First Year</b>	<b>Hours Credit</b>
English 101*, 102* .....	6
Music Theory 110, 120 .....	6
Music Theory 130, 140 .....	2
Musicology 110* .....	3
Music Performance (100 level) (3,3) .....	6
<sup>1</sup> Music Ensemble (1,1) .....	2
Music Keyboard 110,120 .....	2
<sup>2</sup> Cultures and Civilization .....	6
Music General 200 (0,0) .....	0
<b>Second Year</b>	
Music Theory 210, 220 .....	6
Music Theory 230, 240 .....	2
Musicology 210*, 220* .....	6
Music Performance (200 level) (3,3).....	6
<sup>1</sup> Music Ensemble (1,1).....	2
Music Keyboard 210, 220 .....	2
<sup>3</sup> Social Sciences* .....	6
Music General 200 (0,0) .....	0
<b>Third Year</b>	
Music Theory 310 .....	3
Music Theory 320 .....	2
Music Performance (300 level) (3,3) .....	6
<sup>1</sup> Music Ensemble (1,1) .....	2
Musicology 380* .....	3
Music Instrumental 310, 320 or 330 .....	3
Music General 200 (0,0) .....	0
Music General 301 .....	0
Electives .....	3
<sup>4</sup> Natural Sciences* .....	7
<b>Fourth Year</b>	
Music Education 310.....	3
Music Electives .....	4
Music Performance (400 level) (3,3).....	6
<sup>1</sup> Music Ensemble (1, 1) .....	2
Music General 200 (0,0) .....	0
Music General 401 .....	0
<sup>5</sup> Quantitative Reasoning* .....	6
<sup>6</sup> Communicating Orally* .....	3
Electives .....	4
<b>Total 120</b>	

\* Meets University General Education Requirement.  
<sup>1</sup> 6 credits of Music Ensemble 353 (Wind Ensemble), 350 (Concert Band), 352 (Symphonic Band), 370 (Symphony Orchestra); 2 credits of 353 (Wind Ensemble), 350 (Concert Band), 352 (Symphonic Band), 370 (Symphony Orchestra), 383 (Men’s Chorale), 389 (Women’s Chorale), 380 (Concert Choir), 330 (Chamber Singers), 303 (Small Jazz Ensemble), 305 (Studio Orchestra), 304 (Jazz Ensemble), 306 (Trombone Choir).

<sup>2</sup>See Cultures and Civilizations list – University General Education Requirement. Select two courses on the list or two courses in a foreign language at the intermediate level.

<sup>3</sup>See Social Sciences list – University General Education Requirement. Select two courses from the list.

<sup>4</sup>See Natural Sciences list – University General Education Requirement. Select two courses from the list. At least one of the courses must have a laboratory.

<sup>5</sup>See Quantitative Reasoning list – University General Education Requirement. Select two courses from the list.

<sup>6</sup>See Communicating Orally list – University General Education Requirement. Select one course from the list.

#### REVISE BACHELOR OF MUSIC - MUSIC MAJOR - ORGAN CONCENTRATION

Revise Footnotes:

##### Requirements for the Bachelor of Music • Music Major • Organ Concentration

First Year	Hours	Credit
<sup>1</sup> Music Ensemble (1,1) .....	2	2
<b>Second Year</b>		
<sup>1</sup> Music Ensemble (1,1) .....	2	2
<sup>2</sup> Quantitative Reasoning* .....	6	6
<b>Third Year</b>		
<sup>1</sup> Music Ensemble (1,1) .....	2	2
<sup>3</sup> Social Sciences* .....	6	6
<sup>4</sup> Communicating Orally* .....	3	3
<b>Fourth Year</b>		
<sup>1</sup> Music Ensemble (1,1) .....	2	2
<sup>5</sup> Natural Sciences .....	7	7

<sup>1</sup>4-8 credits of Music Ensemble 380 (Concert Choir), 330 (Chamber Singers), 383 (Men's Chorale) or 389 (Women's Chorale). 1-4credits of Music Ensemble 399 (accompanying) may be used for the ensemble.

<sup>2</sup> See Quantitative Reasoning list – University General Education Requirement. Select two courses from the list.

<sup>3</sup>See Social Sciences list – University General Education Requirement. Select two courses from the list.

<sup>4</sup> See Communicating Orally list – University General Education Requirement. Select one course from the list.

<sup>5</sup>See Natural Sciences list – University General Education Requirement. Select two courses from the list. At least one of the courses must have a laboratory.

#### REVISE BACHELOR OF MUSIC - MUSIC MAJOR - PIANO CONCENTRATION

Revise Footnotes:

##### Requirements for the Bachelor of Music • Music Major • Piano Concentration

First Year	Hours	Credit
<sup>1</sup> Music Ensemble (1,1) .....	2	2
<sup>2</sup> Cultures and Civilizations* .....	6	6
<b>Second Year</b>		
<sup>3</sup> Natural Sciences* .....	7	7
<sup>4</sup> Communicating Orally* .....	3	3
<b>Third Year</b>		
<sup>5</sup> Social Sciences* .....	6	6
Music Theory 310 .....	3	3
<b>Fourth Year</b>		
<sup>6</sup> Quantitative Reasoning* .....	6	6

<sup>1</sup> Choose from Music Ensemble 380 (Concert Choir), 330 (Chamber Singers), 383 (Men's Chorale), 389 (Women's Chorale), 353 (Wind Ensemble), 352 (Symphonic Band), 350 (Concert Band), 370 (Symphony Orchestra).

<sup>2</sup> 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.

<sup>3</sup> See Natural Sciences list – University General Education Requirement. Select two courses from the list. At least one of the courses must have a laboratory.

<sup>4</sup> See Communicating Orally list – University General Education Requirement. Select one course from the list.

<sup>5</sup> See Social Sciences list – University General Education Requirement. Select two courses from the list.

<sup>6</sup> See Quantitative Reasoning list – University General Education Requirement.

## REVISE BACHELOR OF MUSIC • MUSIC MAJOR • PIANO PEDAGOGY CONCENTRATION

Revise Footnotes:

**Requirements for the Bachelor of Music • Music Major • Piano Pedagogy Concentration**

<b>First Year</b>	<b>Hours Credit</b>
<sup>2</sup> Music Ensemble (1,1) .....	2
<b>Second Year</b>	
<sup>3</sup> Natural Sciences* .....	7
<b>Third Year</b>	
<sup>4</sup> Social Sciences* .....	3
<b>Fourth Year</b>	
<sup>5</sup> Quantitative Reasoning* .....	6
<sup>6</sup> Communicating Orally* .....	3

<sup>1</sup> 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.

<sup>2</sup> Choose from Music Ensemble 380 (Concert Choir), 330 (Chamber Singers), 383 (Men's Chorale), 389 (Women's Chorale), 353 (Wind Ensemble), 352 (Symphonic Band), 350 (Concert Band), 370 (Symphony Orchestra).

<sup>3</sup> See Natural Sciences list – University General Education Requirement. Select two courses from the list. At least one of the courses must have a laboratory.

<sup>4</sup> See Social Sciences list – University General Education Requirement.

<sup>5</sup> See Quantitative Reasoning list – University General Education Requirement. Select two courses from the list.

<sup>6</sup> See Communicating Orally list – University General Education Requirement. Select one course from the list.

## REVISE BACHELOR OF MUSIC • MUSIC MAJOR • SACRED MUSIC CONCENTRATION • ORGAN TRACK

Revise Footnotes:

**Requirements for the Bachelor of Music • Music Major • Sacred Music Concentration • Organ Track**

<b>First Year</b>	<b>Hours Credit</b>
<sup>1</sup> Music Ensemble (1,1) .....	2
<b>Second Year</b>	
<sup>1</sup> Music Ensemble (1,1) .....	2
<sup>2</sup> Quantitative Reasoning* .....	6
Music Education 200 .....	1
<b>Third Year</b>	
<sup>3</sup> Social Sciences* .....	3
<sup>1</sup> Music Ensemble (1,1) .....	2
<sup>4</sup> Religious Studies .....	3
<sup>5</sup> Communicating Orally* .....	3
<b>Fourth Year</b>	
<sup>1</sup> Music Ensemble (1,1) .....	2
<sup>6</sup> Natural Sciences* .....	7
<sup>3</sup> Social Sciences* .....	3

<sup>1</sup> 4-8 credits of Music Ensemble 380 (Concert Choir), 330 (Chamber Singers), 383 (Men's Chorale) or 389 (Women's Chorale); 1-4 credits of 399 (accompanying).

<sup>2</sup> See Quantitative Reasoning list – University General Education Requirement. Select two courses from the list.

<sup>3</sup> See Social Sciences list – University General Education Requirement.

<sup>4</sup> To be chosen from Religious Studies 101\*, 102\*, 232, 305, 311, 321, 322, 326, 351, 352, 355, 370, 425, 430.

<sup>5</sup> See Communicating Orally list – University General Education Requirement. Select one course from the list.

<sup>6</sup> See Natural Sciences list – University General Education Requirement. Select two courses from the list. At least one of the courses must have a laboratory.

## REVISE BACHELOR OF MUSIC - MUSIC MAJOR - SACRED MUSIC CONCENTRATION - PIANO TRACK

Revise Footnote 1:

**Requirements for the Bachelor of Music • Music Major • Sacred Music Concentration • Piano Track**

<sup>1</sup> Piano majors take 4 hours of Music Ensemble 399 (accompanying) and 4 hours of Music Ensemble 330 (Chamber Singers), 380 (Concert Choir), 383 (Men's Chorale), or 389 (Women's Chorale).



## REVISE BACHELOR OF MUSIC - MUSIC MAJOR - SACRED MUSIC CONCENTRATION - VOICE TRACK

Revise Footnotes:

**Requirements for the Bachelor of Music • Music Major • Sacred Music Concentration • Voice Track**

<b>First Year</b>	<b>Hours Credit</b>
<sup>1</sup> Music Ensemble (1,1) .....	2
<sup>2</sup> Music Performance (1,1) .....	2
<b>Second Year</b>	
<sup>3</sup> Natural Sciences* .....	7
<sup>2</sup> Music Performance (1,1) .....	2
<b>Third Year</b>	
<sup>4</sup> Social Sciences* .....	6
<sup>5</sup> Communicating Orally* .....	3
<b>Fourth Year</b>	
<sup>6</sup> Quantitative Reasoning* .....	6
<sup>7</sup> Religious Studies .....	3

<sup>1</sup> 6-8 credits of Music Ensemble 380 (Concert Choir), 330 (Chamber Singers), 383 (Men's Chorale) or 389 (Women's Chorale); 1-2 credits of Music Ensemble 340 (Opera Theatre).

<sup>2</sup> Class Piano (Music Keyboard 110-120, 210-220) or Organ (Music Performance 190).

<sup>3</sup> See Natural Sciences list – University General Education Requirement. Select two courses from the list. At least one of the courses must have a laboratory.

<sup>4</sup> See Social Sciences list – University General Education Requirement. Select two courses from the list.

<sup>5</sup> See Communicating Orally list – University General Education Requirement. Select one course from the list.

<sup>6</sup> See Quantitative Reasoning list – University General Education Requirement. Select two courses from the list.

<sup>7</sup> To be chosen from Religious Studies 101\*, 102\*, 232, 305, 311, 321, 322, 326, 351, 352, 355, 370, 425, 430.

## REVISE BACHELOR OF MUSIC • MUSIC MAJOR • STUDIO MUSIC AND JAZZ CONCENTRATION

Revise Footnotes and make correction (Second Year):

**Requirements for the Bachelor of Music • Music Major • Studio Music and Jazz Concentration**

<b>First Year</b>	<b>Hours Credit</b>
<sup>1</sup> Music Ensemble (1,1) .....	2
<b>Second Year</b>	
<sup>1</sup> Music Ensemble (1,1) .....	2
Music Technology 340 .....	3
Formerly: Music Theory 340.....3 (Correction - Music Theory 340 is not a course.)	
<sup>2</sup> Social Sciences * .....	3
<b>Third Year</b>	
<sup>1</sup> Music Ensemble (1,1) .....	2
<sup>2</sup> Natural Sciences* .....	7
<sup>3</sup> Cultures and Civilizations .....	6
<b>Fourth Year</b>	
<sup>2</sup> Social Sciences* .....	3
<sup>5</sup> Quantitative Reasoning* .....	3
<sup>1</sup> Music Ensemble (1,1) .....	2
<sup>6</sup> Communicating Orally* .....	3

<sup>1</sup> Choose from 303 (Small Jazz Ensemble), 305 (Studio Orchestra), 304 (Jazz Ensemble), 306 (Trombone Choir)

<sup>2</sup> See Social Sciences list – University General Education Requirement.

<sup>3</sup> See Natural Sciences list – University General Education Requirement. Select two courses from the list. At least one of the courses must have a laboratory.

<sup>4</sup> See Cultures and Civilizations list – University General Education Requirement. Select two courses on the list or two courses in a foreign language at the intermediate level.

<sup>5</sup> See Quantitative Reasoning list – University General Education Requirement.

<sup>6</sup> See Communicating Orally list – University General Education Requirement. Select one course from the list.

## REVISE BACHELOR OF MUSIC - MUSIC MAJOR - THEORY/COMPOSITION CONCENTRATION

Revise Footnote 1:

**Requirements for the Bachelor of Music • Music Major • Theory/Composition Concentration**

<sup>1</sup> 6-8 credits of Music Ensemble 353 (Wind Ensemble), 350 (Concert Band), 352 (Symphonic Band), 370 (Symphony Orchestra), 383 (Men's Chorale), 389 (Women's Chorale), 380 (Concert Choir), 330 (Chamber Singers), 303 (Small Jazz Ensemble), 305 (Studio Orchestra), 304 (Jazz Ensemble), 306 (Trombone Choir). One credit of Music Ensemble 399 (accompanying) and 1 credit of Music Ensemble 340 (Opera Theater) may be used for ensemble requirement.

Formerly:

<sup>1</sup>For string majors – Music Ensemble 370. For wind, brass, percussion majors – Music Ensemble 350, 352, 353, or 370. For piano/organ majors – Music Ensemble 399 (4 hours maximum), 380, 330, 383, 389.

## REVISE BACHELOR OF MUSIC - MUSIC MAJOR - VOICE CONCENTRATION

Revise Footnotes and Third and Fourth Year Requirements:

**Requirements for the Bachelor of Music • Music Major • Voice Concentration**

<b>First Year</b>	<b>Hours</b>	<b>Credit</b>
<sup>1</sup> Music Ensemble (1,1) .....	2	2
<sup>2</sup> Foreign Language .....	6	6
<b>Second Year</b>		
<sup>1</sup> Music Ensemble (1,1) .....	2	2
<b>Third Year</b>		
Musicology 380* .....	3	3
<sup>2</sup> Foreign Language .....	6	6
<sup>3</sup> Social Sciences* .....	3	3
Music Theory 310 .....	3	3
Music Performance 355 (3,3).....	6	6
<sup>1</sup> Music Ensemble (1,1) .....	2	2
Music Ensemble 340 (1,1) .....	2	2
Music General 200 (0,0) .....	0	0
Music General 301 .....	0	0
<sup>4</sup> Natural Sciences* .....	7	7
Music Education 310 .....	3	3
<b>Fourth Year</b>		
Music Voice 410, 420 .....	4	4
Music Voice 450, 460 .....	3	3
Music Performance 455 (3,3) .....	6	6
Music Ensemble 340 (1,1) .....	2	2
Music General 200 (0,0) .....	0	0
Music General 401 .....	0	0
<sup>3</sup> Social Sciences* .....	3	3
<sup>5</sup> Communicating Orally* .....	3	3
<sup>6</sup> Quantitative Reasoning .....	6	6

<sup>1</sup>Choose from Music Ensemble 380 (Concert Choir), 330 (Chamber Singers), 383 (Men's Chorale) or 389 (Women's Chorale).

<sup>2</sup>Consult voice concentration advisor for the appropriate language concentrations.

<sup>3</sup>See Social Sciences list – University General Education Requirement.

<sup>4</sup>See Natural Sciences list – University General Education Requirement. Select two courses from the list. At least one of the courses must have a laboratory.

<sup>5</sup>See Communicating Orally list – University General Education Requirement. Select one course from the list.

<sup>6</sup>See Quantitative Reasoning list – University General Education Requirement. Select two courses from the list.

- DROP WOODWIND, BRASS, AND PERCUSSION INSTRUMENTS CONCENTRATION
- ADD WOODWIND AND PERCUSSION INSTRUMENTS CONCENTRATION

**Requirements for the Bachelor of Music • Music Major • Woodwind and Percussion Instruments Concentration**

<b>First Year</b>	<b>Hours Credit</b>
English 101*, 102* .....	6
Music Theory 110, 120 .....	6
Music Theory 130, 140 .....	2
Musicology 110* .....	3
Music Performance (100 level) (3,3) .....	6
<sup>1</sup> Music Ensemble (1,1) .....	2
Music Keyboard 110,120 .....	2
<sup>2</sup> Cultures and Civilization* .....	6
Music General 200 (0,0) .....	0
<b>Second Year</b>	
Music Theory 210, 220 .....	6
Music Theory 230, 240 .....	2
Musicology 210*, 220* .....	6
Music Performance (200 level) (3,3) .....	6
<sup>1</sup> Music Ensemble (1,1) .....	2
Music Keyboard 210, 220 .....	2
<sup>3</sup> Social Sciences* .....	6
Music General 200 (0,0) .....	0
<b>Third Year</b>	
Music Theory 310 .....	3
Music Theory 320 .....	2
Music Performance (300 level) (3,3) .....	6
<sup>1</sup> Music Ensemble (1,1) .....	2
Musicology 380* .....	3
Music Instrumental 310, 320 or 330 .....	3
Music General 200 (0,0) .....	0
Music General 301 .....	0
Electives .....	3
<sup>4</sup> Natural Sciences* .....	7
<b>Fourth Year</b>	
Music Education 310 .....	3
Music Electives .....	4
Music Performance (400 level) (3,3) .....	6
<sup>1</sup> Music Ensemble (1,1) .....	2
Music General 200 (0,0) .....	0
Music General 401 .....	0
<sup>5</sup> Quantitative Reasoning* .....	6
<sup>6</sup> Communicating Orally* .....	3
Electives .....	4
<b>Total 120</b>	

\* Meets University General Education Requirement.

<sup>1</sup> Choose from Music Ensemble 353 (Wind Ensemble), 352 (Symphonic Band), 350 (Concert Band), 370 (Symphony Orchestra), 304 (Jazz Ensemble), 305 (Studio Orchestra)

<sup>2</sup> See Cultures and Civilizations list – University General Education Requirement. Select two courses on the list or two courses in a foreign language at the intermediate level.

<sup>3</sup> See Social Sciences list – University General Education Requirement. Select two courses from the list.

<sup>4</sup> See Natural Sciences list – University General Education Requirement. Select two courses from the list. At least one of the courses must have a laboratory.

<sup>5</sup> See Quantitative Reasoning list – University General Education Requirement. Select two courses from the list.

<sup>6</sup> See Communicating Orally list – University General Education Requirement. Select one course from the list.

## REVISE MUSIC MAJOR (BACHELOR OF ARTS)

Revise Footnote 3 to:

**BACHELOR OF ARTS DEGREE - MUSIC MAJOR**

<sup>3</sup> For brass majors – 4 credits of Music Ensemble 353, 350, 352, 370, 383, 389, 350, 330, 303, 305, 304, 306. For piano/organ majors – 2-4 credits of Music Ensemble 380, 330, 383 or 389; 1-2 credits of Music Ensemble 399. For string majors – 4 credits of Music Ensemble 370. For voice majors – 2-4 credits of Music Ensemble 380, 330, 383 or 389; 1-2 credits of Music Ensemble 340. For woodwind, percussion majors – 4 credits of Music Ensemble 353, 352, 350, 370, 304, 305.

**DEPARTMENT OF PHILOSOPHY**

## REVISE PHILOSOPHY MAJOR

On page 111 of the 2007-2008 *Undergraduate Catalog*, revise to:

**PHILOSOPHY MAJOR****Corequisites**

Three hours of logic, normally 130 or 135.

Formerly:

Prerequisites

Three hours of logic, normally 130 or 135.

## ● ADD HONORS PHILOSOPHY CONCENTRATION

**HONORS CONCENTRATION****Corequisite**

Philosophy 135.

**GPA Requirement for Graduation**

3.25 GPA overall, 3.50 in Philosophy.

**Course Requirements**

At least 24 hours of philosophy courses at the 200-level or above, at least 15 of which are at the 300-level or above, including at least 3 at the 400-level or above. At least 12 of the 24 hours must be in philosophy honors courses. The 24 hours must include one course from each of the following three pairs (at least two of them honors courses): 320 or 327; 324 or 328; 340 or 347. At least one hour of 407 (Honors Thesis), passed with a B or better, must be included.

**DEPARTMENT OF PHYSICS AND ASTRONOMY**

## ● ADD HONORS ASTRONOMY CONCENTRATION

Delete HONORS ACADEMIC AND HONORS APPLIED CONCENTRATIONS heading and text and replace with:

**HONORS CONCENTRATIONS**

Students who complete all requirements for the academic, applied, or astronomy concentrations will be awarded a degree with honors if their cumulative GPA is at least 3.25, their GPA in 300- and 400-level mathematics and physics courses is at least 3.50, they complete a minimum of 12 hours in honors courses, and they complete a written senior thesis reporting results of research conducted under faculty supervision and defended before a committee of three physics faculty members. A minimum of 3 credit hours of Physics 493 is required.

Formerly:

HONORS ACADEMIC AND HONORS APPLIED CONCENTRATIONS

Students who complete all requirements for the academic or applied concentrations will be awarded a degree with honors if their cumulative GPA is at least 3.00, their GPA in 300- and 400-level mathematics and physics courses is at least 3.50, and they complete a written senior thesis reporting results of research conducted under faculty supervision and defended before a committee of three physics faculty members. A minimum of 3 credit hours of Physics 493 is required.

## DEPARTMENT OF PSYCHOLOGY

### REVISE HONORS PSYCHOLOGY CONCENTRATION

Revise 4th and 5th sentences:

#### **HONORS CONCENTRATION**

Any semester with a GPA below 3.25 will lead to consideration of a student's dismissal from the program by the program faculty. The honors concentration includes all the requirements of the psychology major and at least 12 hours of honors courses including at least 4 hours of Psychology 347, 3 hours of Psychology 367, 3 hours of Psychology 467.

Formerly:

Any semester with a GPA below 3.20 will lead to consideration of a student's dismissal from the program by the program faculty. The honors concentration includes all the requirements of the psychology major and at least 10 hours of upper-division psychology honors courses, including at least 4 hours of Psychology 347 (continuous registration is preferred), 3 hours of Psychology 367, and 3 hours of Psychology 467.

## DEPARTMENT OF SOCIOLOGY

### REVISE SOCIOLOGY MAJOR (ENTRY INTO TO THE MAJOR)

Revise 1st sentence:

#### **SOCIOLOGY MAJOR**

Before applying to the Sociology Department for admission to the major, a student must complete either Sociology 110 or 120 or their honors equivalent with a grade of C or above.

Formerly:

Before applying to the Sociology Department for admission to the major, a student must complete either Sociology 110 or 120 or their honors equivalent with a grade of C+ or above.

### REVISE ENVIRONMENTAL ISSUES AND GLOBALIZATION CONCENTRATION

Revise 1st paragraph:

#### **ENVIRONMENTAL ISSUES AND GLOBALIZATION CONCENTRATION**

All prerequisites required for the major are required for this concentration. The concentration in environmental issues and globalization consists of Sociology 321 and 331 and 21 hours of upper-division sociology courses as follows – 360; either 442 or 446; two courses from 344, 464, 465, and 495; and three courses selected in consultation with advisor.

Formerly:

All prerequisites required for the major are required for this concentration. The concentration in environmental issues and globalization consists of Sociology 321 and 331 and 21 hours of upper-division sociology courses as follows – 360; either 442 or 446; two courses from 344, 464, and 465; and three courses selected in consultation with advisor.

## DEPARTMENT OF THEATRE

### REVISE THEATRE MAJOR

Add sentence at end of paragraph:

#### **THEATRE MAJOR**

...approved by the department. At least half of the major must be at the 300 level or above.

Formerly:

Theatre 100 is a prerequisite to a major which consists of 220, 242, 252, 262, 300, 411, 412, 430 and 12 additional hours of theatre courses numbered 200 and above, 3 of which may be in cognate areas approved by the Department.

**COLLEGE OF BUSINESS ADMINISTRATION**  
All changes effective Fall 2008

**PART I: COURSE CHANGES**

**(205) Business Administration**

ADD

**401 Peer Mentor Techniques (1)** Training of upper-class students as mentors and advisors for freshmen. Includes cognitive and developmental theories of the college-age student, teaching and learning styles, group communication and listening techniques, and mentoring and advising skills.

*Registration Restriction(s): Majors in the College of Business Administration.*  
*Registration Permission: Consent of Instructor.*

**402 Peer Mentor Practicum (1)** Peer mentoring of first year students.

*Grading Restriction: Satisfactory/No Credit grading only.*  
*Repeatability: May be repeated. Maximum 3 hours.*  
*(RE) Prerequisite(s): 401.*  
*Registration Restriction: Majors in the College of Business Administration.*  
*Registration Permission: Consent of instructor.*

REVISE TO ADD GRADING RESTRICTION

**217 Leadership Seminar: Approaches (1)**

*Grading Restriction: Satisfactory/No Credit grading only.*

REVISE TO ADD CREDIT RESTRICTION

**100 Approaches to the College of Business Administration (1)**

*Credit Restriction: Students may not receive credit for both Business Administration 100 and First Year Studies 101.*

**SUPPORTING INFORMATION FROM THE STUDENT SUCCESS CENTER**

From: Kahrig, Tammy Sue  
Sent: Wednesday, November 14, 2007 4:32 PM  
To: Campbell, Kim  
Cc: Bridgeman-Prince, Stella; Darling, Dr Ruth A  
Subject: RE: BA 100 Syllabus

Hi Kim,

I have reviewed the BA 100 syllabus and have compared it to the FYS 101 syllabus. I concur with your thoughts and support your plans to pursue a credit restriction that would not allow students to take both. We offer too few seats, and I would like to ensure that we can give those seats to the students who need them the most. The content is very similar.

Thanks,  
Tammy

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Tammy Kahrig, Ph.D.  
Associate Director, Student Success Center  
The University of Tennessee  
1817 Melrose Avenue  
Knoxville, TN 37996-3551  
Phone: (865) 946-4357  
Fax: (865) 974-2944  
E-mail: tkahrig@utk.edu

**(583) International Business**

ADD

**459 International Competition and Performance (3)** Explores how globalization affects the strategic management of firms. Focus on firm strategies, processes and performance outcomes within an industry context. Addresses issues such as the historic rise of manufacturing multinationals and challenges of recent global growth of service and retail enterprises. Topics include: measuring performance differences across competitors, how domestic defenders challenge multinationals, roll-up strategies to manage global growth, and leadership and structural challenges of global competition.

*(RE) Prerequisite(s): Business Administration 361.*  
*Comment(s): Students must be admitted to an international business collateral or dual concentration.*  
*Registration Restriction(s): Majors in College of Business Administration.*

## REVISE TITLE AND DESCRIPTION

**449 International Finance (3)** Understanding the intricacies of international finance including how multinational companies operate in a number of different business activities within multiple countries. Topics covered include international monetary system, balance of payments, exchange rate utilization, and foreign exchange derivatives including currency forwards, futures options and swaps.

**DEPARTMENT OF ACCOUNTING AND INFORMATION MANAGEMENT****(216) Business Law**

REVISE PRIMARY COURSE TO DROP CROSS-LISTING

**301 Legal Environment of Business (3)****(558) Information Management**

REVISE TO ADD COREQUISITE

**442 e-Enterprise (3)***(RE) Corequisite(s): 342.*

REVISE DESCRIPTION AND ADD COREQUISITE

**443 Business Applications and Tools (3)** Fundamentals of business application logic, business application architectures, and project management. Students learn to apply advanced tools associated with spreadsheets and databases (using Visual Basic algorithms).

*(RE) Corequisite(s): 342.***PART II: PROGRAM CHANGES**

ADD ADVISING POLICY

On page 119 of the 2007-2008 Undergraduate Catalog in the left-hand column at the end of the first paragraph (under Undergraduate Programs Office heading), insert:

**Undergraduate Programs Office**

While the university's policy requires students to have one mandatory academic planning session per year, the College of Business Administration considers academic planning to be so critical that we require our students to meet with an advisor every fall and spring semester. To schedule an appointment, sign up online at <http://bus.utk.edu/undergrad>.

REVISE INTERNATIONAL BUSINESS COLLATERAL

For all majors with an International Business collateral option – Accounting, Enterprise Management, Finance, Human Resource Management, Logistics, and Marketing:

Any three courses chosen from: International Business 409 (3), International Business 419 (3), International Business 429 (3), International Business 439 (3), International Business 449 (3), or International Business 459 (3); and International Business 489 (0).

REVISE INTERNATIONAL BUSINESS DUAL CONCENTRATION

For all majors with an International Business dual concentration option – Accounting, Economics, Enterprise Management, Finance, Human Resource Management, Logistics, Marketing, and Statistics:

Any four courses chosen from: International Business 409 (3), International Business 419 (3), International Business 429 (3), International Business 439 (3), International Business 449 (3), or International Business 459 (3); and International Business 489 (0).

REVISE THE FOLLOWING SHOWCASES TO REFLECT THE ABOVE CHANGES TO THE INTERNATIONAL BUSINESS COLLATERAL AND THE INTERNATIONAL BUSINESS DUAL CONCENTRATION

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

INTERNATIONAL BUSINESS – Three courses from: International Business 409, 419, 429, 439, 449, or 459; and International Business 489.

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

<sup>7</sup>Any four courses chosen from International Business 409, 419, 429, 439, 449, or 459.

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

<sup>7</sup>Any four courses chosen from: International Business 409, 419, 429, 439, 449, or 459.

**Requirements for the Bachelor of Science in Business Administration • Enterprise Management Major • Collateral Option****Enterprise Management Collateral Options**

INTERNATIONAL BUSINESS – Three courses from International Business 409, 419, 429, 439, 449, or 459; and International Business 489.

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

<sup>7</sup>Any four courses chosen from International Business 409, 419, 429, 439, 449, or 459.

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

INTERNATIONAL BUSINESS – Three courses from International Business 409, 419, 429, 439, 449, or 459; and International Business 489.

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

<sup>7</sup>Any four courses chosen from: International Business 409, 419, 429, 439, 449, or 459.

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

INTERNATIONAL BUSINESS – Three courses from International Business 409, 419, 429, 439, 449, or 459; and International Business 489.

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

<sup>7</sup>Any four courses chosen from: International Business 409, 419, 429, 439, 449, or 459.

**Requirements for the Bachelor of Science in Business Administration • Logistics Major • Collateral Option****Logistics Collateral Options**

INTERNATIONAL BUSINESS – Three courses from: International Business 409, 419, 429, 439, 449, or 459; and International Business 489.

**Requirements for the Bachelor of Science in Business Administration • Logistics Major • Dual Concentration with International Business**

<sup>7</sup>Any four courses chosen from: International Business 409, 419, 429, 439, 449, or 459.

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

INTERNATIONAL BUSINESS – Three courses from International Business 409, 419, 429, 439, 449, or 459; and International Business 489.

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

<sup>7</sup>Any four courses chosen from: International Business 409, 419, 429, 439, 449, or 459.

**Requirements for the Bachelor of Science in Business Administration • Statistics Major • Dual Concentration with International Business**

<sup>7</sup>Any four courses chosen from: International Business 409, 419, 429, 439, 449, or 459.



**COLLEGE OF COMMUNICATION AND INFORMATION**  
All changes effective Fall 2008

**I. COURSE CHANGES****SCHOOL OF ADVERTISING AND PUBLIC RELATIONS****(012) Advertising**

REVISE TO ADD (RE) COREQUISITE

**360 Advertising Media Strategy (3)**  
*(RE) Corequisite(s): 380.*

**(841) Public Relations**

REVISE TO ADD (RE) COREQUISITE

**320 Public Relations Communication (3)**  
*(RE) Corequisite(s): 380.*

REVISE (RE) PREREQUISITES

**370 Public Relations Cases (3)**  
*(RE) Prerequisite(s): 320 and Advertising 340.*

REVISE TO ADD (RE) PREREQUISITES

**380 Public Relations Professional Seminar (1)**  
*(RE) Prerequisite(s): Advertising 310 and Advertising 340.*

**SCHOOL OF COMMUNICATION STUDIES****(250) Communication Studies**

REVISE PRIMARY COURSE TO DROP LEGAL STUDIES CROSS-LISTING

**469 Freedom of Speech** *(Same as American Studies 469.)*

**SCHOOL OF JOURNALISM AND ELECTRONIC MEDIA****(592) Journalism and Electronic Media**

REVISE PRIMARY COURSE TO DROP CROSS-LISTING

**400 Mass Communication Law and Ethics**

**II. PROGRAM CHANGES****COLLEGE OF COMMUNICATION AND INFORMATION**

REVISE PROGRESSION REQUIREMENTS

On page 135, column 2, section "Progression Requirements," revise paragraph 1 to:

**Progression Requirements**

Entering and transfer students are first associated with the college as pre-majors. They may progress into a major in communication studies after completing at least 30 hours of coursework, including the college gateway course (Communication and Information 150), with a minimum 2.50 UTK cumulative GPA.

On page 135, column 2, section "Progression Requirements," insert new paragraph between current paragraph 1 and current paragraph 2.

Entering students may progress into a major in journalism and electronic media after completing at least 30 hours of coursework, including the college gateway course (Communication and Information 150), with a minimum 2.50 cumulative GPA. Transfer students may progress into a major in journalism and electronic media after completing at least 30 hours of coursework, including the college gateway course (Communication and Information 150) and earning a minimum of 12 hours at the U of Tennessee, Knoxville, with a minimum 2.50 cumulative GPA.

On page 136, column 1, paragraph 1, revise last sentence to:

Until students progress into a major, they may not enroll in college courses numbered 300 or above.

**SCHOOL OF ADVERTISING AND PUBLIC RELATIONS**

REVISE ADVERTISING MAJOR

On page 136 of the 2007-2008 *Undergraduate Catalog*, revise Advertising Major showcase by moving Advertising 380 from "Fourth Year" to "Third Year" and revise footnotes 2, 4, and 6.

<sup>2</sup>This requirement is met by taking two courses from Astronomy 161 or 217, 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.

Formerly: <sup>2</sup>This requirement is met by taking two courses from the General Education Natural Sciences (NS) list. Both the courses must have a laboratory.

<sup>4</sup>English Literature Electives – English 201 or 207, 202 or 208, 206, 221, 222, 231 or 237, 232 or 238, 233, 251, 252, 253, 254.

Formerly: <sup>4</sup>English Literature Electives – English 201 or 207, 202 or 208, 221, 222, 231 or 237, 232 or 238, 233, 251, 252, 253, 254.

<sup>6</sup>Any course not taught in advertising, journalism and electronic media, or public relations.

Formerly: <sup>6</sup>Any course not taught in the College of Communication and Information.

REVISE PUBLIC RELATIONS MAJOR

On page 137 of the 2007-2008 *Undergraduate Catalog*, revise Public Relations Major showcase by moving Public Relations 380 from the "Fourth Year" to the "Third Year" and revise footnotes 2, 4, and 6. Revise General Electives in Fourth Year and Total Hours.

<sup>2</sup>This requirement is met by taking two courses from Astronomy 161 or 217, 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.

Formerly: <sup>2</sup>This requirement is met by taking two courses from the General Education Natural Sciences (NS) list. Both the courses must have a laboratory.

<sup>4</sup>English Literature Electives – English 201 or 207, 202 or 208, 206, 221, 222, 231 or 237, 232 or 238, 233, 251, 252, 253, 254.

Formerly: <sup>4</sup>English Literature Electives – English 201 or 207, 202 or 208, 221, 222, 231 or 237, 232 or 238, 233, 251, 252, 253, 254.

<sup>6</sup>Any course not taught in advertising, journalism and electronic media, or public relations.

Formerly: <sup>6</sup> Any course not taught in the College of Communication and Information.

**Fourth Year**

<sup>6</sup>General Elective ..... 0-1

Formerly:

<sup>6</sup>General Elective.....1

**Total 120**

Formerly:  
Total 120-121

**SCHOOL OF COMMUNICATION STUDIES**

REVISE COMMUNICATION STUDIES MAJOR

On page 137 of the 2007-2008 *Undergraduate Catalog*, revise footnotes 1, 2, and 6 to:

<sup>1</sup>To be chosen from Mathematics 113 or 117, 123, 125, 141, 142, 151, or 152.

Formerly: <sup>1</sup>Quantitative Reasoning (QR) Electives – Mathematics 113, 123, 125, 141, 142, 151, or 152.

<sup>2</sup>This requirement is met by taking two courses from: Astronomy 161 or 217, 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.

Formerly: <sup>2</sup>This requirement is met by taking two courses from the General Education Natural Sciences (NS) list. Both the courses must have a laboratory.

<sup>6</sup>Six hours of foreign language (same language) at the intermediate level.

Formerly: <sup>6</sup>Six hours of one intermediate foreign language is required.

## **SCHOOL OF JOURNALISM AND ELECTRONIC MEDIA**

### **REVISE JOURNALISM AND ELECTRONIC MEDIA MAJOR**

On page 139 of the 2007-2008 *Undergraduate Catalog*, revise footnotes 2, 3, 5, and 10 to:

<sup>2</sup> This requirement is met by taking two courses from: Anthropology 110 or 117; Astronomy 151 or 161 or 217, 152 or 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 of the courses must have a laboratory.

Formerly: <sup>2</sup> This requirement is met by taking two courses from the Natural Sciences (NS) University General Education list. At least one of the courses must have a laboratory.

<sup>3</sup>Two courses from Mathematics 113 or 117, 115, 123, 125, 141 or 147, 142 or 148, 151, 152.

Formerly: <sup>3</sup>Mathematics 113 or 117, 115, 123, 125, 141 or 147, 142 or 148, 151, 152.

<sup>5</sup>English Literature Electives – English 201 or 207, 202 or 208, 206, 221, 222, 231 or 237, 232 or 238, 233, 251, 252, 253, 254.

Formerly: <sup>5</sup>English 201 or 207, 202 or 208, 221, 222, 231 or 237, 232 or 238, 233, 251, 252, 253, 254.

<sup>10</sup> Any course not taught in advertising, journalism and electronic media, or public relations.

Formerly: <sup>10</sup>Any course not taught in the College of Communication and Information.

**COLLEGE OF EDUCATION, HEALTH, AND HUMAN SCIENCES**  
All changes effective Fall 2008

**I. COURSE CHANGES****DEPARTMENT OF CHILD AND FAMILY STUDIES****(245) Child and Family Studies**

REVISE REGISTRATION RESTRICTION

**101 Introduction to Child and Family Studies (2)***Registration Restriction(s): Freshmen and sophomores only.*

REVISE TITLE, DESCRIPTION, AND DROP (RE) PREREQUISITE

**211 Development in Infancy and Childhood (3)** Development from conception through middle childhood in various ecological contexts. Interrelationships among cognitive, emotional, social, and biological aspects of ontogeny. Normative and non-normative development. Includes observation.

REVISE TITLE, DESCRIPTION, AND (RE) PREREQUISITE

**213 Development in Adolescence and Adulthood (3)** Development from adolescence through adulthood in various ecological contexts. Interrelationships among cognitive, emotional, social, and biological aspects of ontogeny. Normative and non-normative development. Includes observation.

*(RE) Prerequisite(s): 211.***DEPARTMENT OF EDUCATIONAL PSYCHOLOGY AND COUNSELING****(255) Counselor Education**

REVISE TITLE

**480 Skills for Counseling (3)****DEPARTMENT OF EXERCISE, SPORT, AND LEISURE STUDIES****(347) Exercise Science**

REVISE REGISTRATION RESTRICTION

**480 Physiology of Exercise (3)***Registration Restriction(s): 2.50 GPA.*

REVISE TO ADD CONTACT HOUR DISTRIBUTION

**414 Fitness Testing and Exercise Prescription (3)***Contact Hour Distribution: 2 lectures and 1 lab.***DEPARTMENT OF THEORY AND PRACTICE IN TEACHER EDUCATION****(394) Foreign Language/ESL Education**

ADD

**466 ESL Assessment and Evaluation (3)** Highlights the implementation of authentic assessment, specifically, portfolio assessment for ESL students in K-12 settings. Focuses on designing appropriate tools for various assessment purposes. Specific types and different forms of assessment are examined based on their effectiveness and meaningfulness. Required for Tennessee (PreK-12) licensure.

*Comment(s): Requires admission to teacher education or consent of instructor.*

**476 Teaching English as a Second Language (3)** Examines ESL pedagogy, practices, research, and instructional strategies that accommodate students at all levels of ESL/EFL settings. Required for Tennessee (PreK-12) licensure.

*Comment(s): Requires admission to teacher education or consent of instructor.*

## (932) Special Education

ADD

**430 Practicum in Applied Behavior Analysis (3)** Emphasizes the application of applied behavior analysis principles including the study of designing, implementing, and evaluating behavior analytic interventions relevant to alleviating significant problem behaviors in the classroom setting. Learners examine topics in the use of applied behavior analysis such as direct instruction, behavior reduction, functional analysis, positive behavioral supports, and ethical issues in the use of various procedures.

*Registration Restriction(s): Qualification - admission to teacher education.*

**459 Neuromuscular and Health Disorders: Educational Implications (3)** Neurodevelopmental impairments, physical disabilities, sensory impairments and special health conditions, including genetic disorders and autism. Investigation of instructional techniques and adaptations and implementation of universal precautions.

*Registration Restriction(s): Qualification - admission to teacher education.*

## II. PROGRAM CHANGES

### REVISE ADMISSION TO TEACHER EDUCATION

On page U1259 of the April 17, 2007, Undergraduate Council Minutes, change #5 to:

5. Tennessee state law (TCA 49-5-5610) requires that students wishing to enter an approved higher education educator preparation program must submit to a criminal history background check. Admission to the program is dependent on clearance of any conviction(s) as referenced to a list of crimes that would prohibit a person from being licensed in Tennessee.

## DEPARTMENT OF CHILD AND FAMILY STUDIES

### REVISE THE TITLE OF THE PREK-K TEACHER LICENSURE PROGRAM

On page 144 of the 2007-2008 *Undergraduate Catalog* toward the middle of the left-hand column under CHILD AND FAMILIES STUDIES MAJOR, change the last paragraph of the section as follows:

Students electing to pursue the early development and learning (PreK-K) or the early childhood education teacher licensure preparation (PreK-3) specialty areas will take a total of 34 credit hours in this specialty area plus an additional 3 credit hours from their advanced social science electives.

On page 144 of the 2007-2008 *Undergraduate Catalog* toward the top of the right-hand column, change the title and the description of the PreK-K licensure program as follows:

#### **Early Development and Learning (PreK-K)**

The child and family studies major provides the undergraduate preparation needed for a student who would like to be licensed to teach early development and learning (PreK-K) in the State of Tennessee. This licensure program prepares students to teach children with and without disabilities, birth through age 6. Students who wish to pursue this licensure must complete the Early Development and Learning (PreK-K) specialty area and complete the CFS 472 practicum. Upon completion of 60 undergraduate hours, including completion of Child and Family Studies 350, students will complete the admission process to the Early Development and Learning (PreK-K) licensure program. Students interested in this licensure should work closely with their advisor to ensure that they understand and meet teacher education program requirements and that they strictly follow the application process.

On page 145 of the 2007-2008 *Undergraduate Catalog* toward the bottom of the right-hand column in the Specialty Area section, change the paragraph as follows:

#### **Specialty Areas**

Specialty electives are grouped into specialty areas. Students must complete a total of three specialty areas of 9 credit hours each. Students wishing to emphasize one specialty area may satisfy two of their three specialty areas by taking 18 credit hours in that area. A course may be counted in one specialty area only and may not be used to fulfill any other elective requirement. Check the Undergraduate Catalog for any prerequisites required for these courses. Students electing to pursue the specialty areas for early development and learning (PreK-K) teacher licensure or early childhood education teacher licensure preparation (PreK-3) will take a total of 34 credit hours in this specialty area plus an additional 3 credit hours from their advanced social science electives.

On page 145 of the 2007-2008 *Undergraduate Catalog* toward the middle of the right-hand column, change the title of the Early Childhood Education Teacher Licensure (PreK-K) Specialty Area to:

#### **Early Development and Learning (PreK-K) (all courses are required)**

REVISE THE DESCRIPTION OF THE EARLY CHILDHOOD EDUCATION TEACHER LICENSURE (PREK-3) PROGRAM

On page 144 of the 2007-2008 *Undergraduate Catalog* toward the middle of the right-hand column, change the description of the Early Childhood Education Teacher Licensure (PreK-3) program as follows:

**Early Childhood Education Teacher Licensure (PreK-3)**

The child and family studies major can provide the undergraduate preparation needed for a student who would like to be licensed to teach early childhood education in the State of Tennessee (PreK-3). The early childhood education licensure option is offered in conjunction with a master's degree in child and family studies (early childhood education concentration). Students who wish to pursue this option must take the early childhood education licensure (PreK-3) specialty area and the CFS 470 practicum as an undergraduate. Upon attainment of senior status (i.e., 90 hours), students will complete the admission to teacher education process (see details in the teacher education section of this catalog) and simultaneously make application for admission to the MS with a major in child and family studies (See the Graduate Catalog for details.) Acceptance into the teacher licensure program is contingent upon acceptance into the department's master's program. Students interested in this option should work closely with their advisor to ensure that they understand and meet the teacher education program requirements and the requirements for graduate study and that they strictly follow the application process.

REVISE CHILD AND FAMILY STUDIES MAJOR (SECOND YEAR, THIRD YEAR, FOURTH YEAR, AND FOOTNOTES 10, 11, 12 - DELETE FOOTNOTE 13)

**Requirements for the Bachelor of Science Health and Human Sciences - Child and Family Studies Major**

<b>Second Year</b>	<b>Hours Credit</b>
Child and Family Studies 211 .....	3
Child and Family Studies 220* .....	3
<sup>4</sup> History Elective .....	3
<sup>5</sup> Foreign Language Electives* .....	6
<sup>6</sup> Psychology/Sociology Electives* .....	6
<sup>7</sup> Social Sciences Elective* .....	3
<sup>8</sup> Specialty Area Electives .....	6
<sup>9</sup> Elective .....	3
 <b>Third Year</b>	
Child and Family Studies 213 .....	3
Child and Family Studies 320 .....	3
Child and Family Studies 385 .....	3
Child and Family Studies 395 .....	3
<sup>8</sup> Specialty Area Electives .....	15
<sup>10</sup> Advanced Social Sciences Electives .....	6
 <b>Fourth Year</b>	
<sup>11</sup> Child and Family Studies 405* .....	3
<sup>12</sup> Child and Family Studies 470, 472, 480, or 490 .....	12
<sup>8</sup> Specialty Area Electives .....	6
<sup>10</sup> Advanced Social Sciences Electives .....	6
<sup>9</sup> Electives .....	5

<sup>10</sup> A total of 12 hours selected from 300-400 level child and family studies courses or 300-400 level sociology, history, psychology, political science, anthropology, educational psychology, counselor education, or recreation and leisure studies courses. Teacher licensure students must take Child and Family Studies 353 to fulfill 3 of the required hours.

<sup>11</sup> Meets Communicating through Writing (WC) and Communicating Orally (OC) requirements.

<sup>12</sup> Students pursuing the Early Development and Learning (PreK-K) licensure must complete the CFS 472 practicum and those pursuing the Early Childhood Education (PreK-3) licensure must take the CFS 470 practicum. Child and Family Studies 470, 480 and 490 require a cumulative GPA of 2.50 (2.70 for Child and Family Studies 472, including transfer credits); completion of all prerequisites enforced by the registration system; a minimum grade of C in all child and family studies courses; completed application; student conduct and criminal background clearance. Child and Family Studies 470, 472, and 480 must be completed in one semester. Child and Family Studies 490 may be completed over several semesters.

REVISE CHILD AND FAMILY STUDIES MINOR

**Minor in Child and Family Studies**

<b>Required Courses</b>	<b>Hours Credit</b>
Child and Family Studies 211, 213, 220 .....	9
Select 9 hours from Child and Family Studies 240, 312, 320, 345, 360, 385, 440 .....	9
<b>Total 18</b>	

**DEPARTMENT OF EXERCISE, SPORT, AND LEISURE STUDIES**

## ADD PROGRESSION REQUIREMENTS FOR THE RECREATION AND LEISURE STUDIES MAJOR

On page 147 of the 2007-2008 *Undergraduate Catalog*, add progression requirements to read as follows:

**Progression Requirements**

Students must submit an application upon meeting the following minimum requirements:

- Completion of a minimum of 30 semester hours.
- Maintain a minimum of 2.50 GPA for all college work.
- Completion of Recreation and Leisure Studies 100 and 201 with a grade of C or better.

## REVISE RECREATION LEISURE ADMINISTRATION CONCENTRATION

**Requirements for the Bachelor of Science in Education - Recreation and Leisure Studies Major • Recreation and Leisure Administration Concentration (Accredited in General Recreation by NRPA/AALR)**

<b>First Year</b>	<b>Hours Credit</b>
English 101, 102* .....	6
Mathematics 125 or 141* .....	3
Statistics 201 .....	3
Cultures and Civilizations* .....	6
Arts and Humanities* .....	6
Recreation and Leisure Studies 201 .....	4
Recreation and Leisure Studies 100 .....	1
Communication Studies 210 or 240 .....	3
<b>Second Year</b>	
Accounting 200 .....	3
<sup>1</sup> English Elective* .....	3
Economics 201* .....	4
Recreation and Leisure Studies 320 .....	3
Business Administration 201 .....	4
<sup>2</sup> Recreation & Leisure Studies 290 .....	2
General Elective .....	3
Natural Science Electives* .....	7-8
<b>Third Year</b>	
<sup>3</sup> Recreation & Leisure Studies 310, 415 .....	6
Sport Management 450, 370; Recreation and Leisure Studies 440, 470 .....	6
<sup>2</sup> Recreation and Leisure Studies 390 .....	2
Health 310 .....	3
Marketing 300 .....	3
Finance 301 .....	3
Management 300 .....	3
One of the following: Safety 443; Forestry 321, 423; Political Science 330, 340 ; Hotel and Restaurant Administration 425 .....	3
<b>Fourth Year</b>	
Social Science Elective* .....	3
Recreation and Leisure Studies 410, 430 .....	6
<sup>4</sup> Electives .....	9
<sup>3,5</sup> Recreation & Leisure Studies 490 .....	12
<b>Total 120-121</b>	

\* Meets University General Education Requirement.

<sup>1</sup>Students must meet the University General Education Requirement for Communicating through Writing by selecting a course with a (WC) designation.

<sup>2</sup>Recreation and Leisure Studies 290 and 390 are for majors only and are required prior to enrolling in senior internship.

<sup>3</sup>A 2.50 GPA is required for enrollment in Recreation and Leisure Studies 310 and 490.

<sup>4</sup>Courses must be in addition to those specified for the major.

<sup>5</sup>Must meet guidelines set by Recreation and Leisure Studies. Senior standing required for Recreation and Leisure Studies 490.

NOTE: A minimum of 48 upper-division hours are required for graduation.

REVISE THERAPEUTIC RECREATION CONCENTRATION (FIRST YEAR AND FOURTH YEAR)

**Requirements for the Bachelor of Science in Education - Recreation and Leisure Studies Major - Therapeutic Recreation Concentration (Accredited in General Recreation by NPRA/AALR)**

<b>First Year</b>	<b>Hours Credit</b>
Recreation and Leisure Studies 100.....	1
(Insert at end of First Year)	
<b>Fourth Year</b>	
Electives.....	5
Formerly:	
Electives.....	6

**DEPARTMENT OF INSTRUCTIONAL TECHNOLOGY, HEALTH, AND CULTURAL STUDIES**

REVISE COMMUNITY HEALTH EDUCATION MINOR

**Minor in Community Health Education**

<b>Required Courses</b>	<b>Hours Credit</b>
Health 306.....	3
Select 3 hours from Health 300 or 330 .....	3
Select 9 hours from Health 375, 400, 404, 425, 426, 430, or 420 .....	9
	<b>Total 15</b>

**DEPARTMENT OF NUTRITION**

REVISE NUTRITION MAJOR (THIRD AND FOURTH YEARS)

**Requirements for the Bachelor of Science in Health and Human Sciences - Nutrition Major**

<b>Third Year</b>	<b>Hours Credit</b>
Electives.....	5
Formerly:	
Electives.....	6
<b>Fourth Year</b>	
Hotel, Restaurant and Tourism 341 .....	1
Formerly:	
Hotel, Restaurant and Tourism 326, 341.....	3
Classics 273.....	.3
Insert before Arts and Humanities Elective*	

DELETE PROGRESSION REQUIREMENTS FOR NUTRITION

On Page 149 of the 2007-2008 *Undergraduate Catalog*, Progression Requirements heading and text.

**DEPARTMENT OF THEORY AND PRACTICE IN TEACHER EDUCATION**

● **ADD MINOR IN ENGLISH LANGUAGE LEARNING**

On Page 153 of the 2007-2008 *Undergraduate Catalog*, add a Teaching Minor in English Language Learning:

**Minor in English Language Learning**

Students interested in becoming PreK-12 English as a Second Language teachers typically earn a Bachelor of Arts degree in the College of Arts and Sciences with a major in English, linguistics, or a world language (i.e., Asian Studies, French, German, Spanish). As part of their degree, they should take English 477 or 372; English 471(Sociolinguistics) is highly recommended. While completing requirements for the baccalaureate degree, students are encouraged to matriculate a minor in English language learning.

<b>Required Courses</b>	<b>Hours Credit</b>
Educational Psychology 210.....	3
Theory and Practice in Teacher Education 203.....	1
Foreign Language/ESL Education 466.....	3
Foreign Language/ESL Education 476.....	3



Educational Psychology 401 .....	3
Special Education 402 .....	3
Instructional Technology 486 .....	3
<b>Undergraduate Total</b>	<b>19</b>

The following courses are taken during the post-baccalaureate professional year. Students must apply to and be admitted by the Graduate School prior to registration.

	<b>Hours Credit</b>
Education 574 .....	2
Education 575 .....	12
Education 591 .....	4
Elementary Education 504 .....	3
Foreign Language/ESL Education 588 .....	3
<b>Graduate Total</b>	<b>24</b>

NOTE: Teacher licensure is granted at the successful completion of the professional year; 12 additional hours may be taken to complete the master's degree. For details, see the *Graduate Catalog*.

On page 153, revise catalog text to include new minor as follows:

**Teaching Minors**

Students who are earning a baccalaureate degree in the College of Arts and Sciences and who are also seeking teacher licensure in elementary education, English as a Second Language, English education, foreign language education, mathematics education, music education, science education, or social science education, are urged to earn a minor in elementary, English language learning, middle grades, or secondary education.

● DROP MODIFIED AND EARLY CHILDHOOD SPECIAL EDUCATION CONCENTRATION

● ADD MODIFIED AND COMPREHENSIVE SPECIAL EDUCATION CONCENTRATION

**Requirements for the Bachelor of Science in Education - Special Education Major - Modified and Comprehensive Special Education Concentration (with Optional Endorsements in Early Childhood Special Education and Elementary Education)**

	<b>Hours Credit</b>
<b>First Year</b>	
English 101*, 102* .....	6
Anthropology 130* .....	3
Quantitative Reasoning Elective* .....	6
Psychology 110* .....	3
Sociology Elective .....	3
Political Science Elective .....	3
<sup>1</sup> Physical Science Electives* .....	6
<b>Second Year</b>	
Philosophy 246* (AH) (WC) .....	3
Communication 210* or 240* or Communicating Orally (OC) General Education Elective* .....	3
Educational Psychology 210 .....	3
Non-US History .....	6
Geography Elective .....	3
<sup>1</sup> Biological Science Electives* .....	8
<sup>2</sup> Foreign Language* .....	6
<b>Third Year</b>	
Arts and Humanities* .....	3
Economics Elective .....	3
Child and Family Studies 211 .....	3
Information Science 330 .....	3
Audiology and Speech Pathology 320 .....	3
Recreation and Leisure Studies 425 .....	3
Educational Psychology 401 .....	3
<sup>3</sup> Elementary Education 422 .....	6
<sup>3</sup> Reading Education 430 .....	2
<sup>3,4</sup> Special Education 410 .....	3

**Fourth Year**

<sup>3</sup> Special Education 402 .....	3
<sup>3</sup> Special Education 419 .....	6
<sup>3</sup> Special Education 420 .....	3
<sup>3</sup> Special Education 456 .....	3
<sup>3</sup> Special Education 459 .....	3
<sup>3</sup> Special Education 432 .....	6
<sup>3</sup> Special Education 430 .....	3
<sup>3</sup> Instructional Technology 486 .....	3
<sup>3,4</sup> Special Education 471 .....	6

<b>Modified and Comprehensive Special Education (K-12)</b>	<b>Undergraduate Total 121</b>
<b>Elementary Education Option (K-6)</b>	<b>Undergraduate Total 121</b>
<b><sup>4</sup>Early Childhood Special Education Option (requires additional 9 hours)</b>	<b>Undergraduate Total 130</b>

\*Meets University General Education Requirement.

<sup>1</sup>Must include a total of 2 lab sciences from the University General Education Natural Sciences list.

<sup>2</sup>Intermediate-level competence.

<sup>3</sup>Requires admission to teacher licensure.

<sup>4</sup>Optional - Meets requirement for early Childhood Special Education licensure.

The following courses are taken during the post-baccalaureate professional year. Students must apply to and be admitted by the Graduate School prior to registration

<b>Internship</b>	<b>Hours Credit</b>
Education 575 .....	12
Elementary Education 505 .....	6
Education 574 .....	2
Education 591 .....	4
	<b>Graduate Total 24</b>

**COLLEGE OF ENGINEERING**  
All changes effective Fall 2008

**I. COURSE CHANGES****DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING****(226) Chemical Engineering**

DROP

**200 Chemical Engineering Fundamentals (3)**

ADD

**201 Material and Energy Balances (4)** Steady-state and transient material and energy balances in chemical and biomolecular systems. Introduction to flowsheet software.

*(RE) Prerequisite(s): Engineering Fundamentals 152 and Chemistry 130.*

*(RE) Corequisite(s): 250 and Engineering Fundamentals 230.*

**EQUIVALENCY TABLE**

Current Course (226) Chemical Engineering	Equivalent Course Fall 2008 (226) Chemical Engineering
200	201

ADD

**235 Fundamentals of Molecular Bioengineering (3)** Summary of principles of biochemistry, molecular biology, and genetics from an engineering and applied science perspective. Examples of biologically-based molecular technologies and analysis and manipulation of living systems for technological applications.

*(RE) Prerequisite(s): Biology 140.*

DROP

**215 Computer Applications in Chemical Engineering (3)****230 Introduction to Chemical Engineering Thermodynamics (3)****408 Honors Seminar (1)****410 Chemical Engineering Laboratory II (3)****411 Undergraduate Research Experience (3)**

REVISE TITLE, DESCRIPTION, PREREQUISITES, CREDIT HOURS

**250 Application of Chemical and Biomolecular Engineering Thermodynamics (4)** Basic concepts related to engineering applications of thermodynamics to the chemical and biomolecular industries; emphasis on flow processes, real gases and liquids, protein synthesis and hydration, estimation of physical properties, phase equilibria of industrial chemical and pharmaceutical processes, and chemical reaction equilibria including biomolecular applications.

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

REVISE PRIMARY COURSE TO ADD PREREQUISITE AND DROP CROSS-LISTING

**301 Application of Statistical and Numerical Techniques (3)**

*(RE) Prerequisite(s): Engineering Fundamentals 230.*

REVISE TITLE, DESCRIPTION, (RE) PREREQUISITES, AND REGISTRATION RESTRICTION

★ **310 Chemical and Biomolecular Engineering Laboratory (3)** Thermodynamics, fluid flow, and heat transfer experiments in chemical and biomolecular engineering. **(WC)**

*(RE) Prerequisite(s): Engineering Fundamentals 230 and Mathematics 142.*

*Registration Restriction(s): Chemical engineering major; 2.30 GPA.*

REVISE PREREQUISITE AND REGISTRATION RESTRICTION

**340 Mass Transfer and Separation Processes (3)**

*(RE) Prerequisite(s): 201 and 250.*

*Registration Restriction(s): 2.30 GPA.*

## REVISE REGISTRATION RESTRICTION

**360 Process Dynamics and Control (3)**

*Registration Restriction(s): 2.30 GPA.*

## REVISE DESCRIPTION

**380 Seminar (1)** Presentation and discussion of topics in the practice of chemical and biomolecular engineering.

## REVISE TITLE, DESCRIPTION, AND REPEATABILITY

**394 Chemical and Biomolecular Engineering Co-op (1)** Co-op experiences in chemical and biomolecular engineering.

Technical report writing and presentations.

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

## REVISE TITLE AND DESCRIPTION

**401 Review of Chemical and Biomolecular Engineering Fundamentals (1)** Review of selected topics covered on the discipline-specific part of the Fundamentals of Engineering Exam. Emphasis is on problem-solving strategies and solution methodology.

## REVISE DESCRIPTION AND REPEATABILITY

**407 Honors Seminar (1)** Presentations and discussions on topics of importance to chemical and biomolecular engineers.

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

## REVISE TITLE AND DESCRIPTION

**425 Chemical and Biomolecular Process Economics (3)** Concepts and methods of cost estimating, debt and equity financing, discounted cash flow methods, and estimation of product manufacturing costs. Includes case studies and the use of computer methods for financial and sensitivity analysis.

**445 Separation Process Technology for the Pharmaceutical and Chemical Process Industries (3)** Multicomponent distillation, theory and computer simulations; specialized technologies, including membrane separation, crystallization, adsorption, and chromatography.

## REVISE TITLE

**450 Chemical and Bioengineering Reactor Fundamentals (3)**

## REVISE DESCRIPTION AND CREDIT HOURS

**480 Equipment Design and Economic Methods (3)** Design, optimization, and costing of chemical and biochemical plant equipment. Introduction to economic evaluation methods, capital investment, discounted cash flows, and net present value.

## REVISE TITLE

**486 Chemical and Biological Process Safety (3)**

## REVISE DESCRIPTION AND ADD REGISTRATION PERMISSION AND COMMENTS

**488 Honors: Design Internship in Green Engineering (3)** Selected students work in small groups to address the prevention of industrial pollution through improved design of chemical and biochemical processes. Directed by faculty and engineers from a host company.

*Comment(s): May be substituted for 490 with departmental approval.*

*Registration Permission: Consent of instructor.*

## REVISE DESCRIPTION

**490 Process Design and Economic Analysis (3)** Development of process information into an integrated chemical or biochemical plant design. Process specifications, capital investment, operating costs, and economic feasibility. Computer simulation of final plant design.

## REVISE TITLE AND DESCRIPTION

**494 Special Problems in Chemical and Biomolecular Engineering (1-3)** Chemical and biomolecular engineering problems related to recent developments in industrial practice or engineering research.

## REVISE DESCRIPTION

**498 Honors Thesis (3)** Research on problems related to recent developments in chemical and biomolecular engineering.

**DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING****(254) Civil Engineering**

DROP

**395 Hydrology (3)**

REVISE TITLE OF SECONDARY CROSS-LISTED COURSE

**416 Hydrology (3)** *(See Biosystems Engineering 416.)*

REVISE REPEATABILITY

**309 Applied Professional Responsibility (1)***Repeatability: May be repeated. Maximum 6 hours.***DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE**

## MEMORANDUM

To: UT Faculty and Staff

From: Robert Holub, Provost and Vice Chancellor for Academic Affairs

Subject: Merger of Computer Science and Electrical and Computer Engineering

Date: Nov. 17, 2006

It gives me great pleasure to announce the merger of the Department of Computer Science and the Department of Electrical and Computer Engineering. The new department, which will be named the Department of Electrical Engineering and Computer Science, will reside in the College of Engineering. It will provide new perspectives on computational science and open up novel and exciting possibilities for creative work.

The faculties of each of these departments have already agreed in principle to approve the merger, which will officially take place on July 1, 2007. Committees consisting of members from both former departments have been hard at work ironing out the details. The departments and the entire faculty owe a great debt of thanks to the merger committee that has worked so hard to organize this union and to keep it on track.

I am certain that the existence of Electrical Engineering and Computer Science signals a new day for computational sciences on the Knoxville campus. I look forward to working with Dean Way Kuo and with the new unit to make certain that the transition is accomplished smoothly.

MOVE ACADEMIC DISCIPLINE (266) COMPUTER SCIENCE AND COURSES FROM THE DEPARTMENT OF COMPUTER SCIENCE (COLLEGE OF ARTS AND SCIENCES) TO THE DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE (COLLEGE OF ENGINEERING)

MOVE ACADEMIC DISCIPLINE (319) AND ALL COURSES FROM THE DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING TO THE DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

**(266) Computer Science**

ADD

**400 Senior Design (5)** A major design project that focuses the student's attention on professional practice, accumulated background of curricular components, and recent developments in the field. This major design emphasis is directed to topics within the field of computer science. Includes required laboratory work.

*(RE) Prerequisite(s): 360.*

REVISE DESCRIPTION

**411 Senior Thesis I (3)** Frontiers of computer science technology and research. Students write a senior thesis. Writing-emphasis course.

REVISE CREDIT HOURS AND CONTACT HOUR DISTRIBUTION

**302 Fundamental Algorithms (4)***Contact Hour Distribution: 3 hours lecture and 1 lab.***340 Foundations of Software Engineering (4)***Contact Hour Distribution: 3 hours lecture and 1 lab.***350 Introduction to Technical Computing (4)***Contact Hour Distribution: 3 hours lecture and 1 lab.*

**360 Systems Programming (4)**

Contact Hour Distribution: 3 hours lecture and 1 lab.

**370 Introduction to Scientific Computing (4)**

Contact Hour Distribution: 3 hours lecture and 1 lab.

REVISE CONTACT HOUR DISTRIBUTION

**140 Data Structures (4)**

Contact Hour Distribution: 3 hours lecture and 1 lab.

**160 Computer Organization (4)**

Contact Hour Distribution: 3 hours lecture and 1 lab.

REVISE CREDIT HOURS, CONTACT HOUR DISTRIBUTION, AND CREDIT RESTRICTION

**★ 100 Introduction to Computers and Computing (4) (QR)**

Contact Hour Distribution: 3 hours lecture and 1 lab.

Credit Restriction: May not be applied toward the computer science major.

REVISE CREDIT RESTRICTION AND ADD CONTACT HOUR DISTRIBUTION

**★ 102 Introduction to Computer Science (4) (QR)**

Contact Hour Distribution: 3 hours lecture and 1 lab

Credit Restriction: Students who have received credit for 140 or 160 may not receive credit for 102 without consent of instructor. Students may not receive credit for both 102 and Electrical and Computer Engineering 206.

REVISE CREDIT HOURS, ADD CONTACT HOUR DISTRIBUTION, AND REMOVE REGISTRATION RESTRICTION

**365 Programming Languages and Systems (4)**

Contact Hour Distribution: 3 hours and 1 lab.

REVISE REPETITION

**494 Special Topics in Computer Science (1-3)**

Repeatability: May be repeated. Maximum 18 hours.

**(319) Electrical and Computer Engineering**

ADD CREDIT RESTRICTION

**206 Electrical Engineering Computations (4)**

Credit Restriction: Students may not receive credit for both 206 and Computer Science 102.

**ENGINEERING FUNDAMENTALS DIVISION****(323) Engineering Fundamentals**

ADD COREQUISITES AND DELETE PREREQUISITE

**202 Engineering Mechanics (2)**

(RE) Corequisite(s): 152 and Mathematics 142.

ADD

**333 Co-op/Intern Experience in Engineering (1)** Technical report writing and/or presentation is required. Student must be officially registered with the Office of Professional Practice in order to register for this course.

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

Repeatability: May be repeated. Maximum 3 hours.

Registration Permission: Consent of instructor.

**DEPARTMENT OF INDUSTRIAL AND INFORMATION ENGINEERING****(556) Industrial Engineering**

REVISE TITLE AND DESCRIPTION

**250 Sophomore Cooperative Learning Experience (1)** Exposure to the real-world practice of industrial engineering. Sophomores will be placed on teams with juniors and seniors and assigned a company or organization to study. The objectives are to develop observation and listening skills, teaming skills, and mentoring skills; and to provide the opportunity to gain a better understanding of industrial engineering as a discipline by observing industrial engineering in action. Students will be required to maintain a journal documenting their individual experiences and reflections, including

what the student has learned about effective team playing, the job of a practicing industrial engineer, and what the student was able to learn from or teach fellow team members. Each team will work on a project for the organization or company assigned, scoping and defining some problem of interest, and recommending a solution methodology. These project reports will go into a problem bank that will be used by Industrial Engineering 422 as a source of topics for senior design projects.

★ **350 Junior Cooperative Learning Experience (1)** Exposure to the real-world practice of industrial engineering. Juniors will be placed on teams with sophomores and seniors and assigned a company or organization to study. The objectives are to develop technical writing skills, teaming skills, and mentoring skills; and to provide the opportunity to apply and integrate course content in the IE curriculum in a real-world context. Students will be required to maintain a journal documenting their individual experiences and reflections, including what the student has learned about effective team playing, the application of industrial engineering in a practical setting, and what the student was able to learn from or teach fellow team members. Each team will work on a project for the organization or company assigned, scoping and defining some problem of interest and recommending a solution methodology. The Industrial Engineering 350 members of the team will be expected to take the lead in writing the final project report. These project reports will go into a problem bank that will be used by Industrial Engineering 422 as a source of topics for senior design projects. **(WC)**

**450 Senior Cooperative Learning Experience (1)** Exposure to the real-world practice of industrial engineering. Seniors will be asked to lead teams that consist of seniors, juniors, and sophomores. These teams will be assigned a company or organization to study. The objectives are to develop leadership skills, teaming skills, and mentoring skills; and to provide the opportunity to apply and integrate course content in the industrial engineering curriculum in a real-world context. Students will be required to maintain a journal documenting their individual experiences and reflections, including any leadership issues that arose and how the student dealt with them, what the student has learned about effective team playing, the application of industrial engineering in a practical setting, and how the student used his/her knowledge and leadership skills to mentor Junior and Sophomore members of the team. Each team will work on a project for the organization or company assigned, scoping and defining some problem of interest, and recommending a solution methodology. These project reports will go into a problem bank that will be used by Industrial Engineering 422 as a source of topics for senior design projects.

REVISE TITLE

**493 Special Topics (1-3)**

**494 Special Topics (1-3)**

**495 Special Topics (1-3)**

## DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

### (638) Materials Science and Engineering

ADD

**425 Welding Metallurgy (3)** Welding processes; physical metallurgy of welding; phase transformations; heat flow; residual stresses; theories of hot cracking, cold cracking and porosity formation; applications to process utilization.  
*Registration Permission: Consent of instructor.*

**432 Defects in Crystals (3)** Analytical and experimental analysis of defect interactions in solids.  
*Registration Permission: Consent of instructor.*

ADD AND CROSS LIST PRIMARY COURSE

**485 Advanced Biomaterials: Biological Application of Nanomaterials (3)** 0-d, 1-d and 2-d nanomaterials synthesis and characterization with emphasis of surface properties. Chemical and biological functionalization of nanomaterials and nano-bio interfaces. Biological and biomedical application of nanomaterials. (*Same as Biomedical Engineering 485.*)  
*(RE) Prerequisite(s): 474.*

**486 Cell and Tissue-Biomaterials Interaction (3)** Study of the fundamental principles involved in materials/cell and tissue interactions. Students will learn the underlying cellular and molecular mechanisms in host response to biomaterials. Emphasis will be placed on the integration of biomaterials/neuronal cell and tissue interactions into the design of neural implants (sensors, scaffolds, and therapeutics delivery modalities, etc.). (*Same as Biomedical Engineering 486.*)  
*(RE) Prerequisite(s): 474 or Biomedical Engineering 409.*

REVISE TO CROSS-LIST (PRIMARY COURSE)

**474 Biomaterials (3)** (*Same as Biomedical Engineering 474.*)

DROP SECONDARY CROSS-LISTED COURSE

**301 Application of Statistical and Numerical Techniques in Engineering (3)** (*See Chemical Engineering 301.*)

**DEPARTMENT OF MECHANICAL, AEROSPACE, AND BIOMEDICAL ENGINEERING****(018) Aerospace Engineering**

REVISE TITLE, ADD COREQUISITE, AND DROP PREREQUISITE

**★ 410 Professional Topics (2) (OC)***(RE) Corequisite(s): 426.***(192) Biomedical Engineering**

ADD

**345 Biomedical Engineering Instrumentation and Measurement (3)** Fundamentals of measurement systems. Standards, dynamic characteristics of instruments, and statistical data treatment. Transducers, signal conditioning, strain, pressure, and temperature and flow measurements.*(RE) Prerequisite(s): Aerospace Engineering 341 and Electrical and Computer Engineering 300.**(RE) Corequisite(s): 363.***363 System Dynamics (3)** Free and forced vibrations of damped and undamped lumped parameter systems. Transient and frequency response of lumped parameter systems. Introduction to feedback control systems.*(RE) Prerequisite(s): Mechanical Engineering 231 and Mathematics 231.*

DROP

**310 Biomechanics (3)****320 FDA Regulation of Biomedical Devices (2)**

REVISE CREDIT HOURS

**271 Biomedical Engineering Principles (1)**

REVISE CREDIT HOURS AND PREREQUISITE

**430 Biomedical Engineering Laboratory (3)***(RE) Prerequisite(s): 345 and Electrical and Computer Engineering 300.*

REMOVE PREREQUISITE AND ADD COREQUISITE

**★ 410 Professional Topics (2) (OC)***(RE) Corequisite(s): 455.*

DROP PREREQUISITE

**455 Biomedical Engineering Design I (2)**

DROP COREQUISITE

**473 Applied Biomechanics (3)**

DROP

**408 Cell Tissue and Engineering (3)**

ADD

**409 Cell Tissue and Engineering (3)** Mammalian cell culture. Effects of mechanical forces on cells. Tissue engineering of cardiovascular and orthopedic devices.*(RE) Prerequisite(s): Biochemistry and Cellular and Molecular Biology 230 or Biology 140.***EQUIVALENCY TABLE**

<b>Current Course</b>	<b>Equivalent Course Fall 2008</b>
(192) 408	(192) 409

ADD SECONDARY CROSS-LISTED COURSES

**474 Biomaterials (3)** *(See Materials Science and Engineering 474.)***485 Advanced Biomaterials: Biological Application of Nanomaterials (3)** *(See Materials Science and Engineering 485.)***486 Cell and Tissue-Biomaterials Interaction (3)** *(See Materials Science and Engineering 486.)*



**(650) Mechanical Engineering**

ADD

**202 Engineering Mechanics (2)** Review of vector algebra. Statics of two-dimensional trusses and frames, including methods of joints and sections. Geometric properties of cross sections, including first and second moments and location of centroid. Inertial properties of rigid bodies, including moment of inertia and location of mass center.

(RE) Corequisite(s): *Engineering Fundamentals 152 and Mathematics 142.*

REVISE (RE) PREREQUISITE AND DELETE (DE) PREREQUISITES

**231 Dynamics (3)**

(RE) Prerequisite(s): *202 and Engineering Fundamentals 152.*

**321 Mechanics of Materials (3)**

(RE) Prerequisite(s): *202 and Mathematics 142.*

DROP (RE) AND (DE) COREQUISITES

**363 System Dynamics**

REVISE TITLE, ADD COREQUISITE, AND DROP PREREQUISITE

**★ 410 Professional Topics (2) (OC)**

(RE) Corequisite(s): *450.*

**II. PROGRAM CHANGES**

REVISE COLLEGE ADMISSION REQUIREMENTS

On page 155 of the 2007-2008 *Undergraduate Catalog*, revise College Admission Requirements to:

**College Admission Requirements**

The College of Engineering has established admissions criteria for incoming freshmen based on several performance criteria, including completion of core academic subjects, GPA scores on these subjects and standardized test (SAT or ACT) scores. In addition to these requirements, a Success Prediction Indicator (SPI) number is used for admission to the College of Engineering. The SPI is calculated by adding an individual's ACT mathematics score to 10 times their core high school GPA (based on a 4.0 scale). For information on what constitutes core high school courses, please consult admission website <http://admissions.utk.edu/undergraduate/apply/requirements.shtml>.

The following table indicates the minimum required SPI for the corresponding academic year:

Academic Year 2008-09	Minimum SPI of 58
Academic Year 2009-10	Minimum SPI of 59
Academic Year 2010-11	Minimum SPI of 60

SPI EXAMPLE: A student with a high school core GPA of 3.5 and an ACT mathematics score of 28 would have an SPI of 63 using the formula  $(3.5 \times 10) + 28 = 63$ . SAT scores are converted to an equivalent ACT score to perform this calculation.

Students who wish to pursue a degree in the College of Engineering at the University of Tennessee, Knoxville, but do not meet the SPI criterion may enroll as University Undecided students and complete appropriate mathematics, science, and other courses before applying for admission to the College of Engineering.

REVISE ADVISING SERVICES SECTION

On page 156 of the 2007-2008 *Undergraduate Catalog*, revise the Advising Services section to:

**Advising Services**

<http://www.engr.utk.edu/advising/>

Engineering Advising Services provides excellent academic program planning services to undergraduate students in the College of Engineering, with specific attention given to the freshman class. Central to the mission of academic advising at the university is teaching students to understand the purpose of the curriculum and fostering their intellectual and personal development toward academic success and lifelong learning. Through individual, collaborative relationships with academic advisors students are best able to define and implement sound educational plans that are consistent with their personal values, goals, and career plans.

The College of Engineering is committed to the belief that academic advising engages students by teaching them how to become members of the higher education community, to think critically about their role and responsibilities as engineers, and to prepare them to be educated members of a global community. The students' learning outcomes of academic advising in the college are to craft a coherent educational plan based on assessment of abilities and interests; use a variety of campus resources to set goals, reach decisions, and achieve those goals; assume responsibility for meeting academic program requirements; cultivate the intellectual habits that lead to a lifetime of learning; and behave as citizens

who engage in the wider world around them. The Advising Services Office is located in 202 Estabrook Hall. The office can be reached by phone at (865) 974-4008.

New freshman students are assigned to Engineering Advising Services for academic advising until they have completed the freshman curriculum. Freshman students admitted to the College of Engineering are required to designate a field of study by the end of their freshman year. Upon completion of Engineering Fundamentals 152 (or equivalent), the students are assigned faculty advisors in their selected departments.

#### MOVE REQUIREMENTS FOR FIRST YEAR COURSES FOR HONORS CONCENTRATIONS FROM THE DEPARTMENTS AND INSERT BELOW THE ADVISING SERVICES SECTION

On page 156 of the 2007-2008 Undergraduate Catalog, insert section below Advising Services section

#### **First Year Courses for Honors Concentrations (For Computer Science, see listing in Department of Electrical Engineering And Computer Science section)**

Beginning students who wish to pursue an honors concentration in one of the engineering majors will normally be part of the Chancellor's Honors Program. Requirements for first-year coursework duplicate those of the Chancellor's Honors Program. Coursework requirements in the upper division are specific to the individual departments and the student is referred to those individual descriptions for explanation.

Specifically, first year requirements are:

- English 118, under the same conditions as stated in the requirements for the Chancellor's Honors Program.
- University Honors 100.
- One 200-level University Honors seminar to be completed during the second semester of the freshman year.
- Four additional 100- or 200-level honors courses. For engineering students, these would normally be Engineering Fundamentals 157, Engineering Fundamentals 158, and two courses chosen from Math 147, 148, 247 or Chemistry 128, 138.
- Other courses may be approved by the individual engineering departments upon entry to their honors concentration.

#### REVISE OFFICE OF PROFESSIONAL PRACTICE

On page 156 of the 2007-2008 *Undergraduate Catalog*, revise to:

#### **Office of Professional Practice [www.coop.utk.edu](http://www.coop.utk.edu)**

The University of Tennessee College of Engineering encourages all its students to obtain relevant work experience through the Office of Professional Practice. Engineering students can choose to participate in Cooperative (Co-op) Engineering or the College's Internship Program. Both offer qualified assignments that are an integral part of the educational process, as well as helps UT engineers identify skills, build networks, and foster relations in the engineering community.

Since 1926, UT engineers have blended classroom theory with practical engineering application in corporate or government settings. The Co-op Engineering Program is a study-work plan of education in which a student alternates periods of campus coursework with periods of employment in industry related to the student's major. As the second oldest Co-op Engineering Program in the south, most UT engineers work in assignments across the United States, however, more students are seeking opportunities internationally. Currently, over 40% of the undergraduate engineering students register and pursue one of the many positions available. One of the value added components is that all positions are paid. Salaries vary between organizations and locations. Most students are able to offset a substantial amount of college expenses with Co-op or Intern savings. We encourage our students to seek exposure that offers depth and skills development.

Professional staff will work in conjunction with advisors to outline an academic-work plan (Degree Plan), and address scholarship issues to schedule cycles of full-time academic terms with alternating terms of work. The University of Tennessee believes that this process offers a "real world" understanding of after graduation expectations. It also affords each student feedback from the employer to help gauge areas of interest and career direction. An added incentive, many companies hire their Co-op students for full-time employment after graduation.

Internships through the Office of Professional Practice follow the same standard of quality, but tend to be just one term. Most internships are offered in the summers (10-13 weeks) and are very competitive; and just like Co-op Engineering assignments, are monitored by university professionals. Sound advising helps intern candidates pursue positions offered at times other than summers.

All students in the College of Engineering can participate and should begin reviewing these opportunities the first semester at UT. Because of changing economic trends, some engineering majors may be in greater demand and selection criteria will vary among organizations. The practice of engineering is an art, which is learned on the job site as well as in the classroom. Only those students completing at least 52 weeks of approved work experiences will receive the Program's Cooperative Engineering Certificate. All students participating in internships and co-op engineering

programs through the Office of Professional Practice must enroll in Engineering Fundamentals 333 (1) for each semester employed in a co-op assignment.

Further details are available on our Web site or write to: Office of Professional Practice; 310 Perkins Hall; Knoxville, Tennessee 37996-2030.

#### REVISE COLLEGE OF ENGINEERING DESIGNATION OF A MINOR POLICY

On Page 157 of the 2007-2008 *Undergraduate Catalog*, revise to:

##### **Designation of a Minor**

An engineering undergraduate may declare a minor in an engineering or a non-engineering subject area and have the minor listed on the permanent record under the following conditions.

- Minors must be officially approved and described in the *Undergraduate Catalog*. No unofficial minors will be recognized.
- Courses taken to satisfy the minor may also be used to satisfy engineering degree requirements provided that the courses would be a part of engineering degree requirements even if no minor was declared. Completion of a minor often involves the taking of some courses which cannot be used to satisfy the minimum requirement for an engineering degree.
- A student should notify his or her advisor and major department office when beginning work on a minor. The intention to complete a minor must be declared at the time of application for graduation if the minor is to appear on the final transcript. Graduation applications are available in the Office of the University Registrar.

#### REVISE REQUIREMENTS FOR RELIABILITY AND MAINTAINABILITY MINOR

On page 157 of the 2007-2008 *Undergraduate Catalog*, under the Minor in Reliability and Maintainability Engineering, revise Industrial Engineering Electives to correct typo:

Industrial Engineering 300, 340

#### ADD COLLEGE OF ENGINEERING RELEASE AND DISMISSAL PROCEDURES

On Page 158 of the 2007-2008 *Undergraduate Catalog*, insert the following information prior to the Engineering Fundamentals Division section:

##### **PROBATION AND DISMISSAL PROCEDURES**

###### **Academic Probation in Engineering**

The university will review students having academic difficulty and on academic probation the week after final grades are posted. The university academic probation policy is stated in the Academic Policies and Procedures section of this catalog.

###### **Dismissal from Engineering**

Students dismissed from the College of Engineering and/or the University of Tennessee, Knoxville, will be removed from all courses if pre-registered for the following term. Dismissed students must follow university policies and procedures regarding academic dismissal and readmission as stated in the Academic Policies and Procedures and Admission to the University sections in this catalog. Dismissed students who are re-admitted will be University Undecided status and advised in the Arts and Sciences Advising Office. Dismissed students may no longer pursue a major in the College of Engineering.

## **ENGINEERING FUNDAMENTALS DIVISION**

### REVISE CATALOG TEXT

On Page 158 of the 2007-2008 *Undergraduate Catalog*, revise to:

#### **ENGINEERING FUNDAMENTALS DIVISION**

The Engineering Fundamentals Division is the academic home for all first-year engineering students. Located in Estabrook Hall, the division serves as a focus for all freshman student activities. The faculty of the division act as academic advisors and teach the principal courses in Engineering Fundamentals. These courses are designed to prepare students for entry into the sophomore year of every major in the college.

Academic standards in the first year are necessarily high. To assist students with deficient academic backgrounds in the necessary mathematics and computer skills, supplementary courses are offered as needed.

## DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING

### REVISE DEPARTMENTAL MISSION STATEMENT

On page 159 of the 2007-2008 *Undergraduate Catalog*, revise to:

Chemical engineering deals with 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 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 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 engineering program who pursue full-time graduate or advanced professional study will complete their programs of study successfully.
- Graduates of the UT Knoxville chemical 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 permit emphasis on preparation for graduate school or professional employment, and to concentrate in either chemical or biomolecular tracks. To graduate in chemical engineering, students must complete the published curriculum with a grade of C or better in all required chemical engineering courses, as well as meeting general university and college requirements.

A minimum of 18 hours of General Education courses is 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 THE PROGRESSION TO UPPER DIVISION POLICY

On Page 159 of the 2007-2008 *Undergraduate Catalog*, revise to:

#### **Progression to Upper Division**

Progression of chemical engineering students to departmental courses numbered 310 and above is competitive and is based on capacity. Factors considered include overall grade point average, performance in selected lower-division courses, and evidence of satisfactory and orderly progress through the prescribed curriculum.

#### **Upper-Division Status**

A lower-division student must apply for progression to upper-division status after completing Chemical Engineering 200, 235, 240, and 250 with a grade of C or better in each course and an overall GPA of 2.30 or better.

#### **Provisional Status**

Students who have completed Chemical Engineering 200, 235, 240, and 250 with an overall GPA of at least 2.30 may apply for provisional status. The granting of provisional upper-division status is based on availability of space in the departmental programs after upper-division status students have been accommodated. Provisional students are required to demonstrate the ability to perform satisfactorily in upper-division courses by completing a total of seven departmental courses with a grade of C or better in each course (including the four required for upper-division status). Permission to continue with upper-division classes depends on this minimum level of performance.

Any student with an overall GPA below 2.10 will not be admitted to upper-division chemical engineering courses. Students who have not been admitted to upper-division or provisional status will be dropped from upper-division departmental class rolls.

#### **Transfer Students**

Upper-division level transfer students are admitted on a provisional status basis only.

## REVISE REQUIREMENTS FOR THE CHEMICAL ENGINEERING MAJOR

**CHEMICAL ENGINEERING MAJOR****Requirements for the Bachelor of Science in Chemical Engineering**

<b>First Year</b>	<b>Hours Credit</b>
English 101* or 118*, 102*.....	6
Chemistry 120* or 128*, 130* or 138*.....	8
Mathematics 141* or 147*, 142* or 148* .....	8
Engineering Fundamentals 105, 151 or 157, 152 or 158.....	9
<b>Second Year</b>	
Chemical Engineering 200, 235, 240, 250.....	15
Mathematics 200, 231, 241 or 247.....	8
Engineering Fundamentals 230.....	2
Biology 140*.....	4
General Education Elective (Social Science)* .....	3
<b>Third Year</b>	
Chemical Engineering 301, 310*(WC), 340, 360, 380.....	13
Chemistry 350.....	3
<sup>1</sup> General Education Electives (Arts and Humanities)* .....	6
Physics 231.....	3
<sup>2</sup> Chem Option I .....	3
<sup>2</sup> Bio Option I.....	3
<sup>3</sup> Technical Elective.....	3
<b>Fourth Year</b>	
Chemical Engineering 401, 445, 450, 480, 488 or 490 .....	13
<sup>2</sup> Chem/Bio Option II .....	3
General Education Electives (Cultures and Civilizations, and Social Science)* .....	9
<sup>3</sup> Technical Electives.....	6
<b>Total 128</b>	

\*Meets the University General Education Requirement.

<sup>1</sup>Students must also meet the Oral Communication requirement through a course with an (OC) designation (for example, Philosophy 242 or Philosophy 244).

<sup>2</sup>See departmental Web site for course listings.

<sup>3</sup>One technical elective must be a Chemical Engineering course. Students choosing the bio-track must take Chemical Engineering 475 as one technical elective.

## REVISE REQUIREMENTS FOR THE BIOMOLECULAR ENGINEERING CONCENTRATION

**BIOMOLECULAR ENGINEERING CONCENTRATION****Requirements for the Bachelor of Science in Chemical Engineering - Biomolecular Engineering Concentration**

<b>First Year</b>	<b>Hours Credit</b>
English 101* or 118*, 102*.....	6
Chemistry 120* or 128*, 130* or 138*.....	8
Mathematics 141* or 147*, 142* or 148* .....	8
Engineering Fundamentals 105, 151 or 157, 152 or 158 .....	9
<b>Second Year</b>	
Chemical Engineering 200, 235, 240, 250.....	15
Mathematics 200, 231, 241 or 247 .....	8
Engineering Fundamentals 230.....	2
Biology 140*.....	4
<sup>1</sup> General Education Elective (Social Science)* .....	3
<b>Third Year</b>	
Chemical Engineering 301, 310*(WC), 340, 360, 380.....	13
Chemistry 350.....	3
<sup>1</sup> General Education Electives (Cultures and Civilizations, and Social Science)*.....	9
Physics 231* .....	3
Biology 240 .....	4
<b>Fourth Year</b>	
Chemical Engineering 401, 445, 450, 475, 480, 488 or 490 .....	16

<sup>2</sup> Bio Option I.....	3
<sup>1</sup> General Education Electives (Arts and Humanities)* .....	6
Biochemistry and Cellular and Molecular Biology 401, 402.....	8
	<b>Total 128</b>

\*Meets the University General Education Requirement.

<sup>1</sup>Students must also meet the Oral Communication requirement through a course with an (OC) designation (for example, Philosophy 242 or Philosophy 244).

<sup>2</sup>See departmental Web site for course listings.

## ● ADD HONORS BIOMOLECULAR ENGINEERING CONCENTRATION

### REVISE HONORS CHEMICAL ENGINEERING CONCENTRATION

On page 160 of the 2007-2008 *Undergraduate Catalog*, replace HONORS CONCENTRATION heading and text with:

#### **HONORS CONCENTRATIONS**

The honors concentrations encourage highly motivated students to experience a more rigorous preparation in the Department of Chemical and Biomolecular Engineering. Admission is selective and students will normally be participating in the Chancellor's Honors Program as well. Application to the honors concentrations is made when the student applies for upper-division status.

Candidates for the honors chemical engineering concentration and the honors biomolecular engineering concentration must complete the following requirements.

- First year courses for honors concentrations in the engineering majors.
- Further requirements for the honors chemical engineering concentration and the honors biomolecular engineering concentration are as follows. Maintain an overall GPA of at least 3.30 and a GPA of at least 3.30 in departmental courses. Complete Mathematics 247; Chemistry 483; Chemical Engineering 407, 447, and one of the following: Chemical Engineering 467, 477, 478, 488, 498. Complete a 3-hour senior design course. This requirement is satisfied by Chemical Engineering 488.

## **DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING**

### REVISE DEPARTMENTAL GRADUATION REQUIREMENTS

On page 160 of the 2007-2008 *Undergraduate Catalog*, Graduation Requirements, revise the last sentence to:

No more than two civil and environmental engineering courses in which a C- or lower is the highest grade earned may be counted toward graduation.

Formerly:

No more than two civil and environmental engineering courses in which a D or lower is the highest grade earned may be counted toward graduation.

### REVISE HONORS CIVIL ENGINEERING CONCENTRATION

On page 160 of the 2007-2008 *Undergraduate Catalog*, replace HONORS CONCENTRATION heading and text with the following:

#### **HONORS CONCENTRATION**

Students who wish to pursue the honors civil engineering concentration will normally be part of the Chancellor's Honors Program. Candidates for the honors civil engineering concentration must complete the following requirements.

- First year courses for honors concentrations in the engineering majors.
- Two upper-division honors courses in civil engineering via honors-by-contract or Civil Engineering 407. The contract must be submitted to the Chancellor's Honors Program for approval by the third week of the semester.
- A minimum of 3-credit hours of an honors senior project course. This requirement may be satisfied by Civil Engineering 407 or by enrolling in the honors section of the senior capstone design course (Civil Engineering 400).

**DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE**

MOVE COMPUTER SCIENCE MAJOR, HONORS CONCENTRATION, AND MINOR FROM THE DEPARTMENT OF COMPUTER SCIENCE (COLLEGE OF ARTS AND SCIENCES) TO THE DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE (COLLEGE OF ENGINEERING).

**MEMORANDUM**

To: UT Faculty and Staff  
 From: Robert Holub, Provost and Vice Chancellor for Academic Affairs  
 Subject: Merger of Computer Science and Electrical and Computer Engineering  
 Date: Nov. 17, 2006

It gives me great pleasure to announce the merger of the Department of Computer Science and the Department of Electrical and Computer Engineering. The new department, which will be named the Department of Electrical Engineering and Computer Science, will reside in the College of Engineering. It will provide new perspectives on computational science and open up novel and exciting possibilities for creative work.

The faculties of each of these departments have already agreed in principle to approve the merger, which will officially take place on July 1, 2007. Committees consisting of members from both former departments have been hard at work ironing out the details. The departments and the entire faculty owe a great debt of thanks to the merger committee that has worked so hard to organize this union and to keep it on track.

I am certain that the existence of Electrical Engineering and Computer Science signals a new day for computational sciences on the Knoxville campus. I look forward to working with Dean Way Kuo and with the new unit to make certain that the transition is accomplished smoothly.

● **CHANGE THE DEGREE FROM BACHELOR OF SCIENCE TO BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

From: Levy, Robert A  
 Sent: Monday, October 15, 2007 8:35 AM  
 To: Rayman, Brenda L  
 Cc: Jordan, Anita  
 Subject: RE: Computer Science

Nope. Consider it done.

Robert A. Levy, Ph.D.  
 Vice President for Academic Affairs & Student Success  
 The University of Tennessee

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 From: Rayman, Brenda L  
 Sent: Monday, October 15, 2007 8:08 AM  
 To: Levy, Robert A  
 Subject: Computer Science

The former undergraduate Computer Science major (Bachelor of Science - College of Arts and Sciences) will become Computer Science major (Bachelor of Science in Computer Science – College of Engineering).

Will this require Board of Trustees and THEC approval?

Brenda Rayman  
 Catalog Editor/Curriculum Coordinator  
 Office of the University Registrar

**REVISE CATALOG TEXT (INCLUDING ADDITION OF COMPUTER SCIENCE MAJOR, MINOR, AND HONORS CONCENTRATION)**

On pages 161-163 of the 2007-2008 *Undergraduate Catalog*, replace all Electrical and Computer Engineering catalog text with the following. (Delete the computer science material from page 88 of the catalog.)

The goals of the three Bachelor of Science programs, computer engineering, computer science, and electrical engineering, are to prepare students for entry into the profession; instill in students the capabilities required by the discipline, the recognition of the need to enhance the discipline, and the desire for life-long learning; and to equip students with a general knowledge of technical and non-technical disciplines so that they are prepared for further study in other fields including professional and graduate education.

The Bachelor of Science programs are based on a series of integrated courses. Students advance through a program in a sequential manner guided by prerequisite and co-requisite courses in the showcase curricula. These integrated sequentially-developed programs are highlighted by the systematic inclusion of the design process introduced in the sophomore year.

**Program Educational Objectives**

- Will apply the knowledge of the fundamentals of engineering, science, and mathematics in the practice of computer engineering, computer science, and electrical engineering or in advanced professional studies; will identify, formulate and solve computer engineering, computer science, and electrical engineering problems.
- Will design, analyze, and implement complex devices and systems containing hardware and software components while considering a combination of economic, ethical, safety, environmental, and social issues; will be able to use modern engineering and scientific techniques, skills, and tools.
- Will communicate effectively, function on multi-disciplinary teams, and engage in lifelong learning.

**Program Outcomes**

In addition to the eleven program outcomes listed in the College of Engineering section on National Accreditation, outcomes also include knowledge of probability and statistics including applications, and discrete math, and an understanding of advanced mathematics in the areas of differential equations, numerical analysis, linear algebra, and calculus. The computer engineering and electrical engineering programs are under continuous assessment and improvement based on Engineering Criteria 2000. The advisory committee to the department, which is made up of persons from industry, government, higher education students, recent graduates, and faculty, provides constituent input for setting program educational objectives and outcomes and establishing the requisite assessment modes for the program.

**General**

The courses of study for the Bachelor of Science in Computer Engineering, the Bachelor of Science in Computer Science, and the Bachelor of Science in Electrical Engineering are structured to provide a foundation in both the basic sciences and the specialized areas of the respective discipline. The programs also have sufficient general education electives to enhance the cultural growth of the student and develop professionals with a strong social awareness. The faculty seeks to keep classes small enough to allow effective interaction with students.

The selection of general education elective courses is left to each student but must be made in accordance with established College of Engineering policy.

To be eligible for the Bachelor of Science degree, a student must earn at least 30 hours of upper-division courses in the Department of Electrical Engineering and Computer Science at the University of Tennessee, Knoxville.

Generally, all sophomore- and junior-level courses taught in the department are taught at least twice per year. Senior-level courses are normally offered in either the fall or spring semester. Courses for which a senior course is a prerequisite will be normally offered in the spring semester with the prerequisite senior course being offered in the fall semester. This scheduling arrangement allows for flexibility since the student may elect the normal four-year schedule, an accelerated schedule, or choose to participate in the cooperative engineering program.

The department maintains a number of laboratory facilities to support the undergraduate teaching program. The laboratories are devoted specifically to circuits and systems, communications, computer networks, digital systems, electronics, image processing, electric machines, and power electronics and drives. Multiple Linux and Windows computer laboratories are available to students within the department.

The department requires at least a C in every computer engineering, computer science, electrical engineering, and mathematics course used for the undergraduate degrees.

Progression of departmental undergraduate students to the upper-division programs of the department is competitive and is based on the space available in the department. Factors considered in the decision include overall grade point average, grades earned in courses required in the lower division curricula of the department and College of Engineering, and seriousness of purpose and interest in departmental programs as exemplified by regular and orderly progress through the prescribed curriculum without abuse of withdrawal and course repeat privileges.

Students who take Electrical and Computer Engineering 300 will be evaluated during the semester they are registered for it. Transfer students for whom Electrical and Computer Engineering 300 transfer credit is given may take 9 semester hours in departmental courses before progression evaluation. All students, whether or not they transfer in, who are not accepted into the upper-division program of the department will either be put in a temporary probationary status or a non-progressed status and will not be permitted to register for any upper division courses within the department.

**HONORS CONCENTRATIONS**

Students who wish to pursue the honors electrical engineering concentration, honors computer engineering concentration, and honors computer science concentration will normally be part of the Chancellor's Honors Program.

Candidates for the honors electrical engineering concentration and honors computer engineering concentration must complete the first year courses for honors concentration in the engineering majors. Candidates for the honors computer science concentration must meet the first year requirements for the Chancellor's Honors Program.

In addition to satisfying the requirements described above, candidates for these three honors concentrations must also satisfy the following requirements.



- Two upper division honors courses in computer science or electrical and computer engineering via Honors-by-Contract or Honors Independent study, or equivalent. The contract or independent study must be submitted to the Chancellor's Honors Program for approval by the third week of the semester.
- Complete a 3-credit hour senior project course. This can normally be completed as part of the capstone design course, Electrical and Computer Engineering 400 for computer engineering and electrical engineering majors or Computer Science 400 for computer science majors.

### COMPUTER ENGINEERING MAJOR

Students in the senior year may choose from a wide spectrum of courses covering various aspects of computer engineering, computer science, electrical engineering, and related fields. Students must meet the design, depth, and breadth requirements in the department in their selection of these courses. Students are encouraged to discuss an appropriate senior program with their advisors.

#### Requirements for the Bachelor of Science in Computer Engineering

First Year	Hours Credit
English 101* or 118*, 102* .....	6
Chemistry 120* .....	4
Math 141* or 147*, 142* or 148* .....	8
<sup>1</sup> Engineering Fundamentals 151 or 157, 152 or 158, 105 .....	9
Electrical and Computer Engineering 206 .....	4
<b>Second Year</b>	
Mathematics 231, 241, 251 .....	10
Physics 231*, 232* .....	7
Electrical and Computer Engineering 255, 313 .....	7
Electrical and Computer Engineering 300 .....	5
Computer Science 140 .....	4
<b>Third Year</b>	
Electrical and Computer Engineering 315, 335 .....	7
Computer Science 302, 360 .....	8
Mathematics 300 or 307 .....	3
Electrical and Computer Engineering 316, 342, 355, 395 .....	10
<sup>2</sup> Philosophy 241*, 243*, or 244* .....	3
<sup>2</sup> Cultures and Civilizations Electives* .....	6
<b>Fourth Year</b>	
Electrical and Computer Engineering 451-453 or 451-455 .....	6
Electrical and Computer Engineering 400* .....	5
<sup>3</sup> Computer Engineering Senior Electives .....	6
<sup>2</sup> Arts and Humanities Elective* .....	3
<sup>2</sup> Social Sciences Electives* .....	6
<sup>1</sup> Engineering Fundamentals 402 .....	1
<b>Total 128</b>	

\*Meets University General Education Requirements.

<sup>1</sup>Engineering Fundamentals 157 and 158 are honors versions of Engineering Fundamentals 151 and 152. Students in the Chancellor's Honors Program are not required to take Engineering Fundamentals 402.

<sup>2</sup>Can be taken at any time.

<sup>3</sup>Must be in electrical and computer engineering courses. At most, one computer engineering senior elective can be from any 300-level electrical and computer engineering courses. Approved senior electives are Electrical and Computer Engineering 325, 336, 341, 415, 416, 421, 422, 431, 432, 433, 441, 442, 443, 446, 453, 455, 471, 472, 481, and 482.

### COMPUTER SCIENCE MAJOR

Students may choose from a wide spectrum of courses covering various aspects of computer science, computer engineering, and related fields. Students must meet the design, depth, and breadth requirements in the department in their selection of these courses. Students are encouraged to discuss an appropriate program with their advisors.

#### Requirements for the Bachelor of Science in Computer Science

First Year	Hours Credit
Computer Science 102, 140 .....	8
Mathematics 141* or 147*, 142* or 148* .....	8
Physics 135* or 137*, 136* or 138* .....	8-10
English 101* or 118*, 102* .....	6
<b>Second Year</b>	
Computer Science 160, 311, 302 .....	11

Mathematics 241 or 247, 251 or 257, 300 or 307 ..... 10  
 Biology 101 or 130 or Chemistry 100 or 120 or Physics 231 ..... 3-4  
<sup>1</sup>Philosophy 241, 242, 243, or 244\* ..... 3  
<sup>1</sup>Oral Communications General Education Elective\* ..... 3

**Third Year**

Computer Science 360, 365, 380 ..... 11  
 Computer Science 340 or 370 or Math 371 ..... 3-4  
 Mathematics 323 or Electrical & Computer Engineering 313 ..... 3  
<sup>2</sup>Computer Science Upper Division Elective or Mathematics 231 ..... 3  
<sup>1</sup>Cultures and Civilizations Electives\* ..... 6  
<sup>1</sup>Social Science Elective\* ..... 3  
<sup>3</sup>General Elective ..... 2

**Fourth Year**

Computer Science 400 ..... 5  
 Computer Science Upper Division Electives ..... 15  
 English 355\* or 360\* ..... 3  
<sup>1</sup>Arts and Humanities Elective\* ..... 3  
<sup>1</sup>Social Science Elective\* ..... 3

**Total 120-124**

\* Meets University General Education Requirements

<sup>1</sup>Can be taken anytime

<sup>2</sup>Mathematics 231 can be substituted for three hours of upper division Computer Science electives

<sup>3</sup>Must be approved by advisor

**Minor In Computer Science**

The College of Engineering offers a minor in computer science to those undergraduate students whose academic history provides the prerequisites for the courses required by the minor. The minor requires the completion of a minimum of 24 credits in computer science courses. Some of the courses used in the minor may also satisfy requirements for the student's major. A grade of C or better is required in all computer science courses applied to the minor. The last 12 hours must be taken at the University of Tennessee, Knoxville. The minor is not open to computer engineering majors. Students may enroll in the minor program by completing a form at the Electrical Engineering and Computer Science office. A copy of the completed enrollment form and information on the minor requirements will be forwarded to the student's home department advisor.

**Required Courses**

**Hours Credit**

<sup>1</sup>Computer Science 102, 140, 160 ..... 12  
<sup>2</sup>Upper division computer science courses ..... 12  
**Total 24**

<sup>1</sup>Electrical Engineering majors may substitute Electrical and Computer Engineering 206 for Computer Science 102 and Electrical and Computer Engineering 255 for Computer Science 160.

<sup>2</sup>Mathematics 371 may be substituted for three hours

**ELECTRICAL ENGINEERING MAJOR**

Students in the senior year may choose from a wide spectrum of courses covering all aspects of electrical and computer engineering. Students must meet the design, depth, and breadth requirements of the department in their selection of these courses. The design requirement is met through a major engineering design experience in Electrical and Computer Engineering 400, Senior Design, and through the design process being integrated into specified courses throughout the program. Students are encouraged to discuss an appropriate senior program with their advisors.

**Requirements for the Bachelor of Science in Electrical Engineering**

**First Year**

**Hours Credit**

English 101\* or 118\*, 102\* ..... 6  
 Chemistry 120\* ..... 4  
 Mathematics 141\* or 147\*, 142\* or 148\* ..... 8  
<sup>1</sup>Engineering Fundamentals 151 or 157, 152 or 158, 105 ..... 9  
 Electrical and Computer Engineering 206 ..... 4

**Second Year**

Mathematics 200, 231, 241 ..... 8  
 Physics 231\*, 232\* ..... 7  
 Electrical and Computer Engineering 255, 313 ..... 7  
 Electrical and Computer Engineering 300 ..... 5  
<sup>2</sup>Philosophy 241\*, 243\*, or 244\* ..... 3

**Third Year**

Electrical and Computer Engineering 315, 325, 335, 341 .....	14
Electrical and Computer Engineering 316, 336, 342, 355, 395 .....	13
<sup>2</sup> Social Sciences Electives* .....	6

**Fourth Year**

Electrical and Computer Engineering 400* .....	5
<sup>3</sup> Electrical Engineering Senior Electives .....	12
<sup>4</sup> Technical Electives .....	6
<sup>2</sup> Arts and Humanities Elective* .....	3
<sup>2</sup> Cultures and Civilizations Electives* .....	6
<sup>1</sup> Engineering Fundamentals 402 .....	1
<b>Total</b>	<b>127</b>

\*Meets University General Education Requirement.

<sup>1</sup>Engineering Fundamentals 157 and 158 are honors versions of Engineering Fundamentals 151 and 152. Students in the Chancellor's Honors Program are not required to take Engineering Fundamentals 402.

<sup>2</sup>Can be taken at any time.

<sup>3</sup>Acceptable Senior Electrical and Computer Engineering sequences are 415-416, 421-422, 431-432, 431-433, 441-442, 443-446, 451-453, 451-455, 471-472, 481-482.

<sup>4</sup>Chemistry 130; Industrial Engineering 405; Materials Science and Engineering 201, 410; Mechanical Engineering 231, 321, 331, 344; Nuclear Engineering 342.

**ENGINEERING PHYSICS PROGRAM****REVISE HONORS ENGINEERING PHYSICS CONCENTRATION**

On page 164 of the 2007-2008 Undergraduate Catalog, replace HONORS CONCENTRATION and text with:

**HONORS CONCENTRATION**

In addition to satisfying the requirements for the engineering physics major, candidates for the honors concentration must also complete the following requirements.

- First year courses for honors concentrations in the engineering majors. (Note: Most of the honors requirements are course substitutions for the engineering physics major.)
- Two upper-division honors courses in engineering physics via Honors-by-Contract or Honors Independent Study. The contract or independent study must be submitted to the Chancellor's Honors Program by the third week of the semester.
- A minimum of 3-credit hours of Physics 493 and completion of a written senior thesis under faculty supervision and defended before a committee of three physics faculty members.
- GPA of at least 3.50 in 300- and 400-level mathematics and physics courses.

**DEPARTMENT OF INDUSTRIAL AND INFORMATION ENGINEERING****REVISE REQUIREMENTS FOR THE INDUSTRIAL ENGINEERING MAJOR**

On pages 165 of the 2007-2008 *Undergraduate Catalog*, revise to

**Requirements for the Bachelor of Science in Industrial Engineering**

<b>First Year</b>	<b>Hours Credit</b>
Chemistry 120* or 128* .....	4
English 101* or 118*, 102* .....	6
Mathematics 141* or 147*, 142* or 148* .....	8
Engineering Fundamentals 105, 151 or 157, 152 or 158 .....	9
Engineering Fundamentals 202 .....	2
<sup>1</sup> Social Sciences General Education Elective * .....	3
<b>Second Year</b>	
Accounting 200 or 207 .....	3
Statistics 251 .....	3
Math 200, 231, 241, or 247 .....	8
Physics 231* .....	3
Engineering Fundamentals 230 .....	2
Industrial Engineering 202, 250 .....	4
Materials Science and Engineering 201 .....	3

Mechanical Engineering 231, 331 ..... 6

**Third Year**

Economics 201\* or 207\* ..... 4  
 Electrical and Computer Engineering 301 ..... 3  
 Industrial Engineering 300, 301, 304, 405 ..... 12  
 Industrial Engineering 310, 330, 340, 350\* ..... 10  
 Philosophy 244\* ..... 3

**Fourth Year**

Industrial Engineering 401, 402, 404, 406 ..... 10  
 Industrial Engineering 421, 422, 427, 450 ..... 10  
<sup>2</sup>Technical Elective ..... 3  
<sup>3</sup>Cultures and Civilizations General Education Elective\* ..... 6  
<sup>4</sup>Arts and Humanities General Education Elective\* ..... 3

**Total 128**

\*Meets General Education Requirement.

<sup>1</sup>See Social Sciences – University General Education Requirement. Select one course from the list other than Economics 201 and 207.

<sup>2</sup>Technical electives must be taken from the Department of Industrial and Information Engineering list of approved courses, or be approved by the advisor and the department head.

<sup>3</sup>See Cultures and Civilizations – University General Education Requirement. Select two courses from the list or two courses in a foreign language at the intermediate level.

<sup>4</sup>See Arts and Humanities – University General Education Requirement. Select one course from the list other than Philosophy 244, Religious Studies 244.

**REVISE HONORS INDUSTRIAL ENGINEERING CONCENTRATION**

On pages 167 – 168 of the 2007-2008 *Undergraduate Catalog*, replace HONORS CONCENTRATION heading and text with:

**HONORS CONCENTRATION**

Students, who wish to pursue the honors industrial engineering concentration, will normally be part of the Chancellor's Honors Program. Candidates for the honors concentration in industrial engineering must complete the following requirements.

- First year courses for honors concentration in the engineering majors.
- Two upper-division honors courses in industrial engineering via Honors-by-Contract or Honors Independent Study. The contract or independent study must be submitted to the Chancellor's Honors Program for approval by the third week of the semester. (Note: These honors requirements are course substitutions for the industrial engineering major.)
- Minimum of 3-credit hours of an honors senior design course. This requirement is normally satisfied as part of their senior capstone design course (Industrial Engineering 422).

**DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING****REVISE REQUIREMENTS FOR THE MATERIALS SCIENCE AND ENGINEERING MAJOR****Requirements for the Bachelor of Science in Materials Science and Engineering**

<b>First Year</b>	<b>Hours Credit</b>
Materials Science and Engineering 101 .....	1
<sup>1</sup> English 101* or 118*, 102* .....	6
Chemistry 120* or 128*, 130* or 138* .....	8
Mathematics 141* or 147*, 142* or 148* .....	8
Engineering Fundamentals 105, 151 or 157, 152 or 158 .....	9
<b>Second Year</b>	
Materials Science and Engineering 201, 250, 260, 290, 291 .....	11
Physics 231*, 232* .....	7
Mathematics 200, 231, 241 or 247 .....	8
<sup>2</sup> General Education Electives (Social Sciences) .....	6
<b>Third Year</b>	
Materials Science and Engineering 300, 302, 304, 320, 340, 350, 360, 370, 390 .....	23
Statistics 251 .....	3
<sup>2</sup> General Education Electives (Arts and Humanities) .....	3
Technical Elective .....	3

**Fourth Year**

Materials Science and Engineering 405*(WC), 480, 489*(OC) .....	10
<sup>3</sup> Materials Science and Engineering Elective .....	6
Electrical and Computer Engineering 301 .....	3
Engineering Fundamentals 402 .....	1
Technical Elective .....	3
<sup>2</sup> General Education Electives (Cultures and Civilizations, Arts and Humanities) .....	9
<b>Total</b>	<b>128</b>

<sup>1</sup>Students receiving a grade of A or B in English 118 will complete their freshman English requirement by choosing English 102, a sophomore literature course in the English Department, or English 355.

<sup>2</sup>General Education courses must include Economics 201 or 207, any two approved courses under the Arts or Humanities cluster, any two approved courses under the Cultures and Civilizations cluster, and one approved course in the Social Sciences cluster.

<sup>3</sup>Materials Science and Engineering electives: 410, 421, 429, 445, 470, 472, 474, 484, 494, 495.

NOTE: Students must meet the University General Education Requirement for Communicating Orally by selecting a course with an (OC) designation (for example, Philosophy 242 or Philosophy 244).

**REVISE BIOMATERIALS CONCENTRATION**

On page 167 of the 2007-2008 *Undergraduate Catalog*, revise to:

**BIOMATERIALS CONCENTRATION**

In addition to satisfying the requirements described the materials science and engineering major, candidates for biomaterials concentration must also satisfy the following stipulations:

	<b>Hours Credit</b>
Required Courses: Materials Science and Engineering and 486 .....	3
Either: Biology 140(4) or Biochemistry and Cellular and Molecular Biology 230(5) .....	4-5
One of: Materials Science and Engineering 470, 485; Biomedical Engineering 409, 473.....	3
<b>Total</b>	<b>10-11</b>

● **ADD HONORS BIOMATERIALS CONCENTRATION****REVISE HONORS MATERIALS AND SCIENCE CONCENTRATION**

On page 167 of the 2007-2008 *Undergraduate Catalog*, replace the HONORS CONCENTRATION heading and text with:

**HONORS CONCENTRATIONS**

Students who wish to pursue the honors materials science and engineering concentration or the honors biomaterials concentration will normally be part of the Chancellor's Honors Program. Candidates for these honors concentrations must complete the following requirements.

- First year courses for honors concentration in the engineering majors.
- Two upper-division honors courses in Materials Science and Engineering via Honors-by-Contract or Honors Independent Study. The contract or independent study must be submitted to the Chancellor's Honors Program for approval by the third week of the semester. (Note: These honors requirements are course substitutions for the materials science and engineering major.)
- A minimum of 3-credit hours of an honors senior design course. This requirement is normally satisfied as part of their senior capstone design course (Materials Science and Engineering 489).

**DEPARTMENT OF MECHANICAL, AEROSPACE, AND BIOMEDICAL ENGINEERING****ADD FIVE-YEAR BS-MS PROGRAM**

On page 168 of the 2007-2008 *Undergraduate Catalog*, immediately above AEROSPACE ENGINEERING MAJOR, add:

**FIVE-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 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:

- 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 coursework while full admission is granted after completing 96 hours of required coursework with a minimum overall GPA of 3.4 in required coursework.

- 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.
- Admission of students into this program must be approved by the department, the College of Engineering, and the Graduate School.
- Students will not be eligible for assistantships until they complete their bachelor's degree.
- This program may also be used by students entering our doctoral programs directly after receiving their bachelor's degree.

## REVISE REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN AEROSPACE ENGINEERING

**Requirements for the Bachelor of Science in Aerospace Engineering**

<b>First Year</b>	<b>Hours Credit</b>
<sup>1</sup> English 101* or 118*, 102.....	6
Chemistry 120* or 128*.....	4
Mathematics 141* or 147*, 142* or 148* .....	8
Engineering Fundamentals 105, 151 or 157, 152 or 158 .....	9
Mechanical Engineering 202.....	2
<sup>2</sup> Social Sciences Elective* .....	3
<b>Second Year</b>	
Mathematics 200, 231, 241 or 247 .....	8
Aerospace Engineering 201.....	1
Physics 231*, 232*.....	7
Mechanical Engineering 231, 321, 391 .....	9
Materials Science and Engineering 201 .....	3
Engineering Fundamentals 230.....	2
Economics 201* or 207* .....	4
<b>Third Year</b>	
Aerospace Engineering 341, 345, 351, 363, 370 .....	16
Mechanical Engineering 331, 344, 363 .....	9
Electrical and Computer Engineering 301 .....	3
Philosophy 241*.....	3
<sup>2</sup> Arts and Humanities Elective* .....	3
<b>Fourth Year</b>	
Aerospace Engineering 410*, 422, 424, 425, 426, 429, 449.....	21
Engineering Fundamentals 402.....	1
<sup>2</sup> Cultures and Civilizations Electives* .....	6
	<b>Total 128</b>

\* Meets University General Education Requirement.

<sup>1</sup> Students receiving a grade of A or B in English 118 will complete their freshman English requirement by choosing English 102, a sophomore literature course in the English Department, or English 355.

<sup>2</sup> Choose from the University General Education list.

## REVISE HONORS AEROSPACE ENGINEERING CONCENTRATION

On page 169 of the 2007-2008 Undergraduate Catalog, replace HONORS CONCENTRATION heading and text to:

**HONORS AEROSPACE ENGINEERING CONCENTRATION**

In addition to satisfying the requirements for the aerospace engineering major, candidates for the honors aerospace engineering concentration must also complete the following requirements.

- First year courses for honors concentrations in the engineering majors. (Note: Most of the honors requirements are course substitutions for the aerospace engineering major.)
- Two upper-division honors courses in aerospace engineering via Honors-by-Contract or Honors Independent study. The contract or independent study must be submitted to the Chancellor's Honors Program by the third week of the semester.
- A minimum of 3-credit hours of an honors senior design course. This requirement is normally satisfied as part of the senior capstone design course (Aerospace Engineering 429).

## REVISE REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN BIOMEDICAL ENGINEERING

On page 169 of the 2007-2008 *Undergraduate Catalog*, revise to:

**Requirements for the Bachelor of Science in Biomedical Engineering**

<b>First Year</b>	<b>Hours Credit</b>
<sup>1</sup> English 101* or 118*, 102.....	6
Chemistry 120* or 128*, 130* or 138* .....	8
Mathematics 141* or 147*, 142* or 148* .....	8
Engineering Fundamentals 105, 151 or 157, 152 or 158 .....	9
Mechanical Engineering 202.....	2
<b>Second Year</b>	
Physics 231*, 232* .....	7
Mathematics 200, 231, 241 or 247 .....	8
Mechanical Engineering 231, 321 .....	6
Biochemistry and Cellular and Molecular Biology 230.....	5
<sup>2</sup> Cultures and Civilizations Elective* .....	3
Biomedical Engineering 271 .....	1
Statistics 251.....	3
<b>Third Year</b>	
Electrical and Computer Engineering 300, 315 .....	8
Aerospace Engineering 341.....	3
Biomedical Engineering 345, 363 .....	6
Mechanical Engineering 331.....	3
Philosophy 241* .....	3
Materials Science and Engineering 201 .....	3
Economics 201* or 207* .....	4
<b>Fourth Year</b>	
Engineering Fundamentals 402.....	1
Biomedical Engineering 410*, 430, 455, 469, 473.....	13
<sup>2</sup> Cultures and Civilizations Elective* .....	3
<sup>3</sup> Technical Elective.....	3
<sup>3</sup> Departmental Elective .....	6
<sup>2</sup> Arts and Humanities Elective* .....	3
<sup>2</sup> Social Sciences Elective* .....	3
<b>Total 128</b>	

\* Meets University General Education Requirement.

<sup>1</sup> Students receiving a grade of A or B in English 118 will complete their freshman English requirement by choosing English 102, a sophomore literature course in the English Department, or English 355. <sup>2</sup> Choose any course from the University General Education list.

<sup>3</sup> Departmental and technical electives must be pre-approved by the advisor and department head.

## REVISE HONORS BIOMEDICAL ENGINEERING CONCENTRATION

On page 170 of the 2007-2008 *Undergraduate Catalog*, replace HONORS CONCENTRATION heading and text with:

**HONORS BIOMEDICAL ENGINEERING CONCENTRATION**

In addition to satisfying the requirements for the biomedical engineering major, candidates for the honors concentration must also complete the following requirements.

- First year courses for honors concentrations in the engineering majors. (Note: Most of the honors requirements are course substitutions for the biomedical engineering major.)
- Two upper-division honors courses in biomedical engineering via Honors-by-Contract or Honors Independent Study. The contract or independent study must be submitted to the Chancellor's Honors Program by the third week of the semester.
- A minimum of 3-credit hours of an honors senior design course. This requirement is normally satisfied as part of the senior capstone design course (Biomedical Engineering 469).

## REVISE REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

On page 170 of the 2007-2008 *Undergraduate Catalog*, revise to:

**Requirements for the Bachelor of Science in Mechanical Engineering**

<b>First Year</b>	<b>Hours Credit</b>
<sup>1</sup> English 101* or 118*, 102.....	6
Chemistry 120* or 128*.....	4
Mathematics 141* or 147*, 142* or 148* .....	8
Engineering Fundamentals 105, 151 or 157, 152 or 158 .....	9
Mechanical Engineering 202.....	2
<sup>2</sup> Cultures and Civilizations Elective* .....	3
<b>Second Year</b>	
Mathematics 231, 241 or 247, 251 or 257 .....	10
Engineering Fundamentals 230 .....	2
Physics 231* .....	3
Mechanical Engineering 231, 321, 391 .....	9
Materials Science and Engineering 201 .....	3
Economics 201* or 207* .....	4
<sup>2</sup> Cultures and Civilizations Elective* .....	3
<b>Third Year</b>	
Mechanical Engineering 331, 344, 345, 363, 366, 466 .....	18
Electrical and Computer Engineering 301 .....	3
<sup>3,4</sup> Departmental Elective .....	3
Aerospace Engineering 341 .....	3
Philosophy 241* .....	3
<b>Fourth Year</b>	
Mechanical Engineering 410*, 475, 449, 450, 460 .....	13
Engineering Fundamentals 402 .....	1
Mechanical Engineering 365 or 463 .....	3
<sup>4</sup> Technical Elective .....	3
<sup>3,4</sup> Departmental Electives.....	6
<sup>2</sup> Social Sciences Elective* .....	3
<sup>2</sup> Arts and Humanities Elective* .....	3
<b>Total 128</b>	

\*Meets University General Education Requirement.

<sup>1</sup> Students receiving a grade of A or B in English 118 will complete their freshman English requirement by choosing English 102, a sophomore literature course in the English Department, or English 355. <sup>2</sup> Choose any course from the University General Education list.

<sup>3</sup> Must be chosen from Aerospace Engineering 351, 363, 422, 425; Mechanical Engineering 365, 406, 451, 452, 457, 463, 467, 480 or

other departmentally approved course.

<sup>4</sup> All departmental and technical electives must be pre-approved by the advisor and department head.

## REVISE HONORS MECHANICAL ENGINEERING CONCENTRATION

On page 170 of the 2007-2008 *Undergraduate Catalog*, replace HONORS CONCENTRATION heading and text with:

**HONORS MECHANICAL ENGINEERING CONCENTRATION**

In addition to satisfying the requirements for the mechanical engineering major, candidates for the honors mechanical engineering concentration must also complete the following requirements.

- First year courses for honors concentrations in the engineering majors. (Note: Most of the honors requirements are course substitutions for the mechanical engineering major.)
- Two upper-division honors courses in mechanical engineering via Honors-by-Contract or Honors Independent study. The contract or independent study must be submitted to the Chancellor's Honors Program by the third week of the semester.
- A minimum of 3-credit hours of an honors senior design course. This requirement is normally satisfied as part of the senior capstone design course (Mechanical Engineering 460).



**DEPARTMENT OF NUCLEAR ENGINEERING**

## REVISE HONORS NUCLEAR ENGINEERING CONCENTRATION

On page 172 of the 2007-2008 *Undergraduate Catalog*, replace HONORS CONCENTRATION heading and text with:

**HONORS NUCLEAR ENGINEERING CONCENTRATION**

In addition to satisfying the requirements for the nuclear engineering major, candidates for the honors nuclear engineering concentration must also complete the following requirements.

- First year courses for honors concentrations in the engineering majors. (Note: Most of the honors requirements are course substitutions for the nuclear engineering major.)
- Two upper-division honors courses in nuclear engineering via Honors-by-Contract or Honors Independent Study. The contract or independent study must be submitted to the Chancellor's Honors Program by the third week of the semester.
- A minimum of 3-credit hours of an honors senior design course. This requirement is normally satisfied as part of the senior capstone design course (Nuclear Engineering 472).

## REVISE HONORS RADIOLOGICAL ENGINEERING CONCENTRATION

On page 172 of the 2007-2008 *Undergraduate Catalog*, replace HONORS CONCENTRATION text with:

**HONORS RADIOLOGICAL ENGINEERING CONCENTRATION**

In addition to satisfying the requirements described for the nuclear engineering major (radiological engineering concentration), candidates for the honors radiological engineering concentration must also complete the following requirements.

- First year courses for honors concentrations in the engineering majors. (Note: Most of the honors requirements are course substitutions for the nuclear engineering major.)
- Two upper-division honors courses in nuclear engineering via Honors-by-Contract or Honors Independent Study. The contract or independent study must be submitted to the Chancellor's Honors Program by the third week of the semester.
- A minimum of 3-credit hours of an honors senior design course. This requirement is normally satisfied as part of their senior capstone design course (Nuclear Engineering 472).

## COLLEGE OF NURSING

All changes effective Fall 2008

### I. COURSE CHANGES

#### (720) Nursing

##### REVISE REGISTRATION RESTRICTIONS

##### **201 Introduction to Nursing (2)**

*Registration Restriction(s): Lower-division students - College of Nursing; minimum student level - sophomore.*

##### ADD

**342 Transcultural Issues (2)** Focus on cultural perspectives in health and illness. Discussion of diversity in and influence of culture on health promotion, maintenance, and restoration across the lifespan and in selected nursing specialties, ethnic populations, and religious denominations.

*Registration Restriction(s): Master of Science in Nursing – nursing major.*

*Comment(s): For non-nurse MSN students only.*

##### REVISE TITLE AND DESCRIPTION

**432 Health Promotion and Maintenance Strategies in the Community (3)** Focus on nursing care of at risk individuals, communities, and populations. Assessment of sociocultural values, environmental factors, health education, and community resources. Design of interventions to promote and maintain health through the use of epidemiological process. Clinical practice in a community health setting.

##### REVISE DESCRIPTION

**477 Honors Nursing Research (3)** Introduction to research design and methodologies. Critique of nursing research studies for application to evidence-based nursing practice. Includes a substantial, scholarly senior project to be conducted with approval of an advisor within the department. Students in the Chancellor's Honor Program are required to share their senior project in a public forum.

##### REVISE (RE) PREREQUISITES, REVISE COMMENTS

##### **351 Pharmacology I (2)**

*(RE) Prerequisite(s): Chemistry 110 and Nursing 319.*

*Comment(s): 6 hours of anatomy and physiology are required. Nursing students are expected to complete Nursing 319 prior to taking this course.*

##### REVISE REGISTRATION RESTRICTIONS

##### ★ **341 Transcultural Nursing (2) (OC)**

*Registration Restriction(s): Bachelor of Science in Nursing – nursing major; minimum student level – junior.*

### II. PROGRAM CHANGES

#### REVISE BSN GENERAL REQUIREMENTS

On page 173 of the 2007-08 *Undergraduate Catalog*, revise to:

##### **General Requirements**

In order to obtain a Bachelor of Science in Nursing degree students are required to successfully complete eight semesters of fulltime study or the equivalent in part-time study, for a total of 123-124 semester hours. One hundred twenty-three (123) hours are required for graduation. The program also accommodates registered nurses who hold associate degrees in nursing or who are graduates of diploma nursing programs. All upper-division courses, with the exception of 351, 400, 402, and 406, are restricted to students who have been approved for progression. (See Progression Policies and Procedures.) Students pursuing the nursing major are expected to take 319 prior to 351.

#### REVISE GRADING AND CONTINUATION POLICIES

On page 174 of the 2007-08 *Undergraduate Catalog*, revise #6 under Grading and Continuation heading to:

##### **Grading and Continuation Policies**

6. For undergraduate nursing students, 75% is the passing average grade in all nursing courses. To pass any clinical course, a student must achieve a minimum 75% weighted average across all examinations in the course, regardless of any other grades earned in other components of the course. If a student fails to achieve the minimum 75% weighted average on course examinations, the final course grade will be either D (67-74) or F (under 67). The following grading scale applies to all undergraduate nursing courses.

- A = 92-100
- B+ = 88-91
- B = 83-87
- C+ = 79-82
- C = 75-78
- D = 67-74
- F = < 67

REVISE INSURANCE REQUIREMENTS

On page 174 of the 2007-08 *Undergraduate Catalog*, revise to:

**Insurance Requirements**

Students must meet specific physical examination and immunization requirements as specified by state law and by the rules and regulations set forth by the various clinical agencies. All students must participate in the university's group professional liability insurance program. Specific information concerning these requirements will be provided to the students at appropriate times by the nursing faculty and/or the Director of Student Services.

REVISE REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN NURSING

Revise Third Year:

**Requirements for the Bachelor of Science in Nursing**

**Hours Credit**

**Third Year**

Nursing 311, 319, 333, 341\*, 351, 361, 381, 382 ..... 28

**COLLEGE OF SOCIAL WORK**  
All changes effective Fall 2008

**I. COURSE CHANGES****(905) Social Work**

ADD

**315 Social Work Practice with Groups, Organizations and Communities (3)** Generalist practice with emphasis on groups, organizations and communities, including treatment theories, techniques, and issues.

*(RE) Prerequisite(s): 312.*

*Comment(s): Progression required. Social work majors only.*

**410 Social Work Research (3)** Scientific method and research strategies to evaluate one's practice and/or social service delivery. Knowledge of statistical techniques required.

*(RE) Prerequisite(s): Mathematics 115 or Psychology 385.*

*(RE) Corequisite(s): 480.*

*Comment(s): Progression required. Social work majors only.*

DROP

**310 Social Work Research (3)****412 Social Work Practice III (3)**

REVISE TITLE AND COMMENT AND DELETE (RE) COREQUISITE

**312 Interviewing Skills and the Helping Relationship in Social Work Practice (3)**

*Comment(s): Progression required. Social work majors only.*

REVISE TITLE AND COMMENT AND DELETE (RE) AND (DE) COREQUISITES

**313 Social Work Practice with Individuals and Families (3)**

*Comment(s): Progression required. Social work majors only.*

REVISE COMMENT AND DELETE (RE) COREQUISITE

**★ 314 Human Behavior in the Social Environment (WC)**

*Comment(s): Progression or consent of instructor required.*

REVISE TITLE, DESCRIPTION AND COMMENT AND DELETE (RE) AND (DE) COREQUISITES

**316 Understanding Diversity in a Global Society (3)** Exploring race, ethnicity, gender, class, and sexual orientations from a social work perspective. Students develop self-awareness of their own culture and the culture of others and acquire knowledge and understanding of the impact of oppression on diverse groups.

*Comment(s): Progression or consent of instructor required.*

REVISE COMMENT, ADD (RE) PREREQUISITE, AND DELETE (RE) AND (DE) COREQUISITES

**380 Field Practice in Social Work I (3)**

*(RE) Prerequisite(s): 312.*

*Comment(s): Progression required. Social work majors only.*

REVISE COMMENT AND DELETE (RE) COREQUISITES

**416 Social Welfare Policies and Issues (3)**

*Comment(s): Progression or consent of instructor required.*

REVISE COMMENT AND ADD (RE) PREREQUISITES

**460 Integrative Seminar (3)**

*(RE) Prerequisite(s): 410 and 480.*

*Comment(s): Progression required. Social work majors only.*

DELETE COMMENT

**461 Child Welfare I: History, Programs, and Policies (3)**

REVISE COMMENT AND ADD (RE) COREQUISITE

**480 Field Practice in Social Work II (6)**

*(RE) Corequisite(s): 410.*

*Comment(s): Progression required. Social work majors only.*

REVISE (RE) PREREQUISITE AND COMMENTS, ADD (RE) COREQUISITE

**481 Field Practice in Social Work III (6)**

*(RE) Prerequisite(s): 410 and 480.*

*(RE) Corequisite(s): 460.*

*Comment(s): Progression required. Social work majors only.*

REVISE TITLE

**491 International Study**

**II. PROGRAM CHANGES**

REVISE REQUIREMENTS FOR BACHELOR OF SCIENCE IN SOCIAL WORK

Revise Third and Fourth Years:

**Requirements for the Bachelor of Science in Social Work**

	<b>Hours Credit</b>
<b>Third Year</b>	
Social Work 315, 380.....	6
Formerly:	
Social Work 310, 380.....	6
<b>Fourth Year</b>	
Social Work 410, 416.....	.6
Formerly:	
Social Work 412, 416.....	6

**UNIVERSITY STUDIES**  
All changes effective Fall 2008

**(984) University Studies**

DROP

**411 Art and Organism (3)**

ADD AND CROSS-LIST SECONDARY COURSE

**413 Art and Organism - Integrative Biology of Aesthetic Experience (3)** (*See Ecology and Evolutionary Biology 413.*)

**GENERAL EDUCATION COMMITTEE**

The General Education Committee met December 5, 2007 and January 16, 2008 in the University Center Room 237.

We approved the following changes (updates of existing courses are marked with a \*)

**WC Courses approved:**

- \*English 254: Themes in Literature
- \*Chemical Engineering 310: Chemical and Biomolecular Engineering Laboratory
- \*Industrial Engineering 350: Junior Cooperative Learning Experience
- \*Philosophy 244: Professional Responsibility
- Philosophy 327: Honors: Ancient Western Philosophy
- Philosophy 328: Honors: 17th- and 18th-Century Philosophy
- Philosophy 347: Honors: Ethics
- \*Plant Sciences 448: Horticultural Internet Communications
- \*Social Work 314: Human Behavior in the Social Environment

**WC Courses to remove from list:**

- University Honors 257: Special Topics in Arts and Humanities
- University Honors 267: Special Topics in Social Sciences
- University Honors 277: Special Topics in Cultures & Civilizations

**OC Courses approved:**

- \*Aerospace Engineering 410: Professional Topics
- \*Biomedical Engineering 410: Professional Topics
- \*Mechanical Engineering 410: Professional Topics
- Art Design/Graphic 452: Graphic Design Seminar
- Materials Science and Engineering 489: Materials Design

**OC Courses to remove from list:**

- Legal Studies 244: Professional Responsibility

**QR Courses approved:**

- \*Computer Science 100: Introduction to Computers and Computing
- \*Computer Science 102: Introduction to Computer Science

**QR Courses to remove from list:**

- University Honors 187: Quantitative Reasoning Honors Seminar

**NS Courses approved:**

- Anthropology 117: Honors: Human Origins
- \*Biology 111: General Botany
- \*Biology 112: General Botany
- Geology 207: Honors: Age of Dinosaurs
- Geology 208: Honors: Earth as an Ecosystem: Modern Problems and Solutions
- Haslam Scholars 288: Energy in the Modern World

**AH Courses approved:**

- Africana Studies 225: Same as English 225
- Africana Studies 226: Same as English 226
- English 225: Introduction to African Literature
- English 226: Introduction to Caribbean Literature
- \*English 254: Themes in Literature

Haslam Scholars 258: Foundations of Modernity

Topics approved for UH 257: Special Topics in the Arts and Humanities  
Scandalous Women (Brown)  
Thought and Values in Modern American 1870-1970 (Wheeler)

Topics approved for UH 267: Special Topics in the Social Sciences  
Film Noir and American Society (Frey)  
The Supreme Court in the American Political System (Stephens)  
The Decline of the Public Sphere (Dandaneau)

**AH Courses to remove from list:**

Legal Studies 244: Professional Responsibility  
University Honors 157: Arts & Humanities Honors Seminar

**SS Courses approved:**

Anthropology 137: Honors: Cultural Anthropology  
\*Economics 201: Introductory Economics: A Survey Course  
\*Haslam Scholars 268: Perspectives on Globalization

**SS Courses to remove from list:**

University Honors 167: SS Honors Seminar

**CC Courses approved:**

Anthropology 127: Honors: Prehistoric Archaeology  
History 267: Honors: History of World Civilization  
History 268: Honors: History of World Civilizations  
\*Spanish 217: Honors: Intermediate Spanish  
Religious Studies 107: Honors: World Religions in History

**CC Courses to remove from list:**

University Honors 177: Cultures & Civilizations Honors Seminar

**Spring 2008 Meetings (all in UC 237 at 8:30 a.m.)**

**February 13**

**March 26**

**April 23**