

**REPORT: COMMITTEE ON CURRICULA AND COURSES**  
(For consideration by the Faculty Senate at its October 3, 2012 meeting.)

Per the USC Policies and Procedures Manual - Academic Affairs section ACAF 2.00 and 2.03 Appendices, any department which has a proposal being recommended by the Committee on Curricula and Courses must have a representative in attendance at the Faculty Senate meeting in which said proposal is to be recommended.

Please contact Brian Habing (Statistics) in advance of Faculty Senate meeting if errors are noted, either by phone: 777-3578 or e-mail: [habing@stat.sc.edu](mailto:habing@stat.sc.edu)

**1. COLLEGE OF ARTS AND SCIENCES**

**New course designator**

SAEL – Social Advocacy and Ethical Life

**A. Department of Art**

**Change in course number and Core designation**

From: ARTE 360     Interdisciplinary Relationships in the Arts. (3)

To:     ARTE 260     Interdisciplinary Relationships in the Arts. (3)

**Carolina Core AIU**

**B. Comparative Literature Program**

**Core designation**

CLPT 270     World Literature. [=ENGL 270] (3)

**Carolina Core AIU**

**C. Department of English**

**Core designation**

ENGL 270     World Literature. [=CPLT 270] (3)

**Carolina Core AIU**

**D. Department of History**

**Core designation**

HIST 112     United States History since 1965. (3)

**Carolina Core GHS**

**E. Department of Languages, Literatures, and Cultures**

**Addition of Distance Education Delivery to Existing Course**

CLAS 230     Medical and Scientific Terminology. (3)

**Core designation**

RUSS 280     Introduction to Russian Civilization. (3)

**Carolina Core AIU**

## 2. MOORE SCHOOL OF BUSINESS

Department of International Business

Change in curriculum. Website 2012-2013 Bulletin – International Business

### Undergraduate Major – course options

<u>Current</u>	<u>Proposed</u>
<b>4. International Business (15 Hours)</b> <hr/>	<b>4. International Business (15 Hours)</b> <hr/>
The international business major must be taken in combination with a second major in business and requires 27-36 hours.	The international business major must be taken in combination with a second major in business and requires 27-36 hours.
<b>Minimum of one of the following functional courses (3 Hours):</b> <hr/>	<b>Minimum of one of the following functional courses (3 Hours):</b> <hr/>
<ul style="list-style-type: none"><li>• IBUS 401 - International Financial Management</li><li>• IBUS 402 - International Marketing</li><li>• IBUS 405 - International Information Systems</li><li>• MGSC 405 - International Information Systems</li><li>• MGMT 406 - International Human Resource Management</li><li>• <del>ECON 303 – The International Economy</del></li></ul>	<ul style="list-style-type: none"><li>• IBUS 401 - International Financial Management</li><li>• IBUS 402 - International Marketing</li><li>• IBUS 405 - International Information Systems</li><li>• MGSC 405 - International Information Systems</li><li>• MGMT 406 - International Human Resource Management</li><li>• <u>ECON 503 – International Trade Economics</u></li><li>• <u>ECON 504 – International Monetary Economics</u></li><li>• <u>ECON 505 – International Development Economics</u></li></ul>
<b>Minimum of one of the following thematic courses (3-6 Hours):</b> <hr/>	<b>Minimum of one of the following thematic courses (3-6 Hours):</b> <hr/>
<ul style="list-style-type: none"><li>• IBUS 422 - Foreign Market Entry and Growth</li><li>• IBUS 423 - Cross-Cultural Behavior and Negotiations</li><li>• IBUS 424 - Exporting and Importing</li><li>• IBUS 425 - Competitive Strategies in Developing Countries</li><li>• IBUS 426 - Global Competitive Analysis</li></ul>	<ul style="list-style-type: none"><li>• IBUS 422 - Foreign Market Entry and Growth</li><li>• IBUS 423 - Cross-Cultural Behavior and Negotiations</li><li>• IBUS 424 - Exporting and Importing</li><li>• IBUS 425 - Competitive Strategies in Developing Countries</li><li>• IBUS 426 - Global Competitive Analysis</li></ul>

<ul style="list-style-type: none"> <li>• IBUS 427 - Global Stakeholder Management</li> </ul> <p><b>One of the following regional courses (3 Hours):</b></p> <hr/> <ul style="list-style-type: none"> <li>• IBUS 441 - Business in Latin America*</li> <li>• IBUS 442 - Business in Asia*</li> <li>• <del>IBUS 443 - Business in Europe*</del></li> <li>• IBUS 444 - Business in Africa</li> <li>• <i>*Because one or more of these courses may not be offered on campus during the two years that a student may be taking major-level courses, these courses are most appropriate for study abroad</i></li> </ul>	<ul style="list-style-type: none"> <li>• IBUS 427 - Global Stakeholder Management</li> </ul> <p><b>One of the following regional courses (3 Hours):</b></p> <hr/> <ul style="list-style-type: none"> <li>• IBUS 441 - Business in Latin America*</li> <li>• IBUS 442 - Business in Asia*</li> <li>• <u>IBUS 443 - Business in Europe</u></li> <li>• IBUS 444 - Business in Africa</li> <li>• <i>*Because one or more of these courses may not be offered on campus during the two years that a student may be taking major-level courses, these courses are most appropriate for study abroad</i></li> </ul>
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### 3. COLLEGE OF ENGINEERING AND COMPUTING

#### Change in curriculum. Website 2012-2013 Bulletin – Degree Requirements and Carolina Core

<u>Current</u>	<u>Proposed</u>
<p><b>Engineering Science, B.S.E.</b>  <b>Degree Requirements (128 Hours)</b></p> <p><b>9 Hours</b></p> <ul style="list-style-type: none"> <li>• ENGL 101 - Critical Reading and Composition</li> <li>• ENGL 102 - Rhetoric and Composition</li> </ul> <p><b><i>Select one of the following:</i></b></p> <ul style="list-style-type: none"> <li>• <del>ENGL 462 - Technical Writing</del></li> <li>• <del>ENGL 463 - Business Writing</del></li> </ul> <p><b>Liberal Arts (9 Hours)</b></p> <p><b>14 Hours</b></p> <ul style="list-style-type: none"> <li>• MATH 141 - Calculus I</li> <li>• MATH 142 - Calculus II</li> <li>• MATH 241 - Vector Calculus</li> <li>• MATH 242 - Elementary Differential Equations</li> </ul> <p><b>3 Hours</b></p> <ul style="list-style-type: none"> <li>• STAT 509 - Statistics for Engineers</li> </ul>	<p><b>Engineering Science, B.S.E</b>  <b>Degree Requirements (128 Hours)</b></p> <p><b>AIU: Aesthetic and Interpretive Understanding (3 hours).</b> Any approved Carolina Core AIU course.</p> <p><b>ARP: Analytical Reasoning and Problem-Solving (8 hours)</b>  MATH 141 - Calculus I  MATH 142 - Calculus II</p> <p><b>CMW: Effective, Engaged, and Persuasive Communication: Written Component (6 hours)</b>  ENGL 101 - Critical Reading and Composition  ENGL 102 - Rhetoric and Composition</p> <p><b>GSS: Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)</b> Any approved Carolina Core GSS course.</p> <p><b>GHS: Global Citizenship and Multicultural</b></p>

<p><b>4 Hours</b></p> <ul style="list-style-type: none"> <li>• CHEM 111 - General Chemistry I</li> </ul> <p><b>4 Hours</b></p> <ul style="list-style-type: none"> <li>• PHYS 211/L - Essentials of Physics I/Lab</li> </ul> <p><b>Science Elective (8 Hours)</b> Two from the following:</p> <ul style="list-style-type: none"> <li>• CHEM 112 - General Chemistry II</li> <li>• PHYS 212/L - Essentials of Physics II/Lab</li> <li>• BIOL 101/L - Biological Principles I/Lab</li> <li>• BIOL 102/L - Biological Principles II/Lab</li> </ul> <p><b>4 Hours</b></p> <ul style="list-style-type: none"> <li>• CSCE 145 - Algorithmic Design I</li> </ul> <p><b>6 Hours</b></p> <ul style="list-style-type: none"> <li>• ELCT 102 - Electrical Science</li> <li>• ELCT 221 - Circuits</li> </ul> <p><b>3 Hours</b></p> <ul style="list-style-type: none"> <li>• ECHE 300 - Chemical Process Principles</li> </ul> <p><b>19 Hours</b></p> <ul style="list-style-type: none"> <li>• ENCP 101 - Introduction to Engineering I</li> <li>• ENCP 200 - Statics</li> <li>• ENCP 201 - Introduction to Applied Numerical Methods</li> <li>• ENCP 290 - Thermodynamic Fundamentals</li> <li>• ENCP 481 - Project Management</li> <li>• ENCP 491 - Capstone Design Project I</li> <li>• ENCP 492 - Capstone Design Project II</li> </ul> <p><b>Engineering Electives (30 Hours)</b></p> <p><b>Focus Area Electives (15 Hours)</b></p> <p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>1. The liberal arts courses must include at least one history course, one fine arts course, and one social science course. The College maintains a list of approved history, fine arts, and social science electives.</li> <li>2. Engineering electives require five courses, including at least two upper division courses, in each of two engineering disciplines. The College</li> </ol>	<p><b>Understanding: Historical Thinking (3 hours)</b> Any approved Carolina Core GHS course.</p> <p><b>GFL: Global Citizenship and Multicultural Understanding: Foreign Language (0-8 hours)</b> Any approved Carolina Core course(s) for GFL or score of two or better on foreign language placement test.</p> <p><b>SCI: Scientific Literacy (8 hours)</b> CHEM 111 - General Chemistry I PHYS 211 - Essentials of Physics I PHYS 211L - Essentials of Physics I Lab</p> <p><b>CMS: Effective, Engaged, and Persuasive Communication: Spoken Component (3 hours)</b> <u>SPCH 140 - Public Communication</u></p> <p><b>INF: Information Literacy (0-3 hours)</b> Any approved overlay or stand-alone Carolina Core INF course.</p> <p><b>VSR: Values, Ethics, and Social Responsibility (0 - 3 hours)</b> Any approved overlay or stand-alone Carolina Core VSR course.</p> <p><b>Other Required General Education Courses</b></p> <p>(6 Hours) MATH 241 - Vector Calculus MATH 242 - Elementary Differential Equations</p> <p>(3 Hours) STAT 509 - Statistics for Engineers</p> <p>(8 Hours) Choose two from the following: CHEM 112 - General Chemistry II PHYS 212/L - Essentials of Physics II/Lab BIOL 101/L - Biological Principles I/Lab BIOL 102/L - Biological Principles II/Lab</p> <p><b>Required Courses in the Major</b></p> <p>(4 Hours) CSCE 145 - Algorithmic Design I</p> <p>(6 Hours)</p>
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<p>maintains a list of approved course sequences.</p> <p>3. The College maintains a list of approved focus area electives. Other focus area electives must be non-introductory courses in an area of concentration and approved by the student's advisor</p>	<p>ELCT 102 - Electrical Science ELCT 221 - Circuits</p> <p>(3 Hours) ECHE 300 - Chemical Process Principles</p> <p>(19 Hours) ENCP 101 - Introduction to Engineering I ENCP 200 - Statics ENCP 201 - Introduction to Applied Numerical Methods ENCP 290 - Thermodynamic Fundamentals ENCP 481 - Project Management ENCP 491 - Capstone Design Project I ENCP 492 - Capstone Design Project II</p> <p>(30 Hours) Engineering Electives<sup>1</sup></p> <p>(15 Hours) Focus Area Electives<sup>2</sup></p> <p>Notes:</p> <p>1. Engineering electives require five courses, including at least two upper division courses, in each of two engineering disciplines. The College maintains a list of approved course sequences.</p> <p>2. The College maintains a list of approved focus area electives. Other focus area electives must be non-introductory courses in an area of concentration and approved by the student's advisor.</p>
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### **A. Department of Computer Science and Engineering**

#### **Change in prerequisite and Core designation**

From: CSCE 101 Introduction to Computer Concepts. (3)  
Prereq: two years of college preparatory mathematics or equivalent

To: CSCE 101 Introduction to Computer Concepts. (3)  
**Carolina Core ARP**

From: CSCE 102 General Application Programming. (3)  
Prereq: two years of college preparatory mathematics or equivalent

To: CSCE 102 General Application Programming. (3)  
**Carolina Core ARP**

### **B. Department of Mechanical Engineering**

**New courses with Distance Education Delivery**

EMCH 556 Introduction to Risk analysis and Reactor Safety. (3) An introduction to probabilistic risk assessment (PRA) methods as applied to nuclear power plants but also examples from the chemical industry, aerospace, transportation, and other sectors. Addresses failure and reliability analysis, fault trees, event trees, reactor safety, regulatory practice. Prereq: STAT 509 or consent of instructor

EMCH 578 Introduction to Aerodynamics. (3) Fundamentals of aerodynamics. Elements of compressible flow. Thin airfoil theory, finite wing theory. Flow through nozzles diffusers and wind tunnels. Normal and oblique shock waves. Elements of the methods of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

**4. COLLEGE OF MASS COMMUNICATIONS AND INFORMATION STUDIES**

**School of Journalism and Mass Communications**

**Addition of Distance Education Delivery to Existing Course**

JOUR J368 Principles of Advertising. (3)

**5. COLLEGE OF NURSING**

**Change in curriculum. Website 2012-2013 Bulletin – General Education**

**Requirements and Carolina Core**

<u>Current</u>	<u>Proposed</u>
<b><u>General Education Requirements</u></b>	<b><u>Carolina Core and College General Education Requirements</u></b>
<i>General education course selections must meet University general education requirements.</i>	<u>CMW: Effective, Engaged, and Persuasive Communication: Written Component (6 hours) - ENGL 101 and 102 (with a grade of C or better).</u>
English: ENGL 101-102 or higher	<u>ARP: Analytical Reasoning and Problem-Solving (6-7 hours) – STAT 110 and either MATH 122 or MATH 141 or STAT 201 or STAT 205.</u>
Social Sciences: Two courses from one of these: sociology or psychology. One course must cover life-span content.	<u>SCI: Scientific Literacy (8 hours) - Two approved Carolina Core SCI courses, with laboratory, as specified by each degree program.</u>
Analytical Reasoning: To be satisfied in one of the following ways: 1) STAT 110 and MATH 122 or 2) STAT 110 and STAT 201.	<u>GFL: Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours) – Demonstrate proficiency in a foreign language by achieving a score of 2 or higher on Foreign Language Placement Test or by</u>
Foreign Language: Students must demonstrate ability in a foreign language equivalent to that obtained by two years of high-school study of one language. This ability may be demonstrated by placing at level two or higher on the Foreign Language Placement Exam for the language studied in high school. Those failing to do so must satisfactorily complete	

<p>equivalent study of a foreign language at USC. These students must pass 109 and 110 in French, German, Latin, or Spanish or 121 and 122 in any of the other languages.</p> <p>Electives: UNIV 101 is strongly recommended.</p>	<p><u>completing one Foreign Language through 110 or 121.</u></p> <p><u>GHS: Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours) - Select one three-credit Carolina Core approved GHS course. Each degree program maintains a list of allowed courses.</u></p> <p><u>GSS: Global Citizenship and Multicultural Understanding: Social Sciences (6 hours) Select one two approved Carolina Core GSS courses. At least one must be a three-hour course that addresses lifespan. Each degree program maintains a list of allowed courses</u></p> <p><u>AIU: Aesthetic and Interpretive Understanding (3 hours) - Any approved Carolina Core AIU course.</u></p> <p><u>CMS: Effective, Engaged, and Persuasive Communication: Spoken Component (0-3 hours) - Any approved overlay or stand-alone Carolina Core CMS course.</u></p> <p><u>INF: Information Literacy (0-3 hours) - Any approved overlay or stand-alone Carolina Core INF course.</u></p> <p><u>VSR: Values, Ethics and Social Responsibility (3 hours) – Approved Caroline Core VSR course as specified by each degree program.</u></p> <p><u>The individual programs in the College may have additional requirements that could be considered as contributing to the general education requirements.</u></p>
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**Change in restriction**

From: NURS 504 Emergency Preparedness for Health Care Professionals. (3)  
Note: Restricted to College of Nursing students.

To: NURS 504 Emergency Preparedness for Health Care Professionals. (3)  
Note: Open to Public Health, Nursing or Pre-Med students.

**6. SYSTEM AFFAIRS AND EXTENDED UNIVERSITY**

**Palmetto Programs**

**Addition of Distance Education Delivery to Existing Course**

- CRJU P323 Violence in America. (3)
- CRJU P491 Special Topics: Terrorism. (3)
- POLI P463 The American Chief Executive. (3)
- PSYC P420 Survey of Development Psychology. (3)

**Sumter Campus**

**Addition of Distance Education Delivery to existing course**

- BIOL V120 Human Biology (3)