

**REPORT: COMMITTEE ON CURRICULA AND COURSES**

(For consideration by the Faculty Senate at its November 2, 2011 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 Peter Binev (Mathematics) in advance of Faculty Senate meeting if errors are noted, either by phone: 576-6269 or e-mail: [binev@math.sc.edu](mailto:binev@math.sc.edu)

**1. COLLEGE OF ARTS AND SCIENCES****A. Department of Earth and Ocean Sciences****Change in curriculum. Website 2011-2012 Bulletin – Geological Sciences, Concentration in Environmental Geosciences**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<p><i>General Major in Geological Sciences with Concentration in Environmental Geosciences (26 Hours)</i></p> <ul style="list-style-type: none"> <li>· GEOL 315</li> <li>· GEOL 325</li> <li>· GEOL 335</li> <li>· <del>Two</del> of the following 3 courses:               <ul style="list-style-type: none"> <li>o GEOL 305</li> <li>o GEOL 345</li> <li>o GEOL 355</li> </ul> </li> </ul>	<p><i>General Major in Geological Sciences with Concentration in Environmental Geosciences (26 Hours)</i></p> <ul style="list-style-type: none"> <li>· GEOL 315</li> <li>· GEOL 325</li> <li>· GEOL 335</li> <li>· <u>GEOL 355</u></li> <li>· <u>One</u> of the following 3 courses:               <ul style="list-style-type: none"> <li>o GEOL 305</li> <li>o GEOL <u>371</u></li> <li>o GEOL <u>548</u></li> </ul> </li> </ul>

**B. Environment and Sustainability Program****Change in curriculum. Website 2011-2012 Bulletin – addition of B.A. in Environmental Studies**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
	<p><b>Bachelor of Arts, Environmental Studies</b></p> <p><b>Admission, Progression and Transfer Standards</b></p> <p>1. Any student applying for transfer to the environmental studies major from other programs within the University, or from accredited colleges and universities, is required to have a minimum grade point average of 2.8 on a 4.00 scale and a minimum of 12 credit hours.</p>

2. Environmental Studies majors may enroll in a course for major credit a maximum of twice to earn the required grade of **C** or higher. For the purposes of this standard of progression, withdrawal with a **W** does not constitute enrollment.

### **Learning Outcomes**

- Students will demonstrate their knowledge of fundamental concepts in environmental studies.
- Students will be able to utilize information from more than one discipline related to environmental studies, and be able to synthesize that information to analyze interdisciplinary environmental problems.
- Students will demonstrate effective writing skills.
- Students will demonstrate effective oral communication skills.

### **Degree Program**

*(120 total hours required)*

Degree candidates for a Bachelor of Arts with a major in Environmental Studies must satisfy the College Core requirements. These requirements are designed to provide students with a broad experience in the liberal arts and sciences and awareness of diverse analytical approaches to environmental problems. Courses are intended to guide students in developing intellectual skills in analysis, synthesis, and evaluation as well as communication.

### **1. College core** (58-68 hours)

#### **A. Writing** (6 hrs)

See Curriculum I of College of Arts and Science general education requirements.

#### **B. Foreign Languages** (0-9 hrs)

See Curriculum I of College of Arts and Science general education requirements.

#### **C. History** (9 hrs)

European (HIST 101 or 102)

American (HIST 111 or 112)

History other than European or American including: HIST 104-109, 301, and selected courses 347 to 358

#### **D. Mathematics/Analytical Reasoning** (6-7 hrs)

MATH 122 or MATH 141

and

STAT 201, 205, 509 or 515

#### **E. Philosophical Reasoning** (3 hrs)

See Curriculum I of College of Arts and Science general education requirements.

Ethics course recommended.

#### **F. Laboratory Sciences** (16 hrs)

CHEM 111,

and

either sequence of BIOL 101/101 L and 102/102L or MSCI 101 and 102,

	<p>and one of the following: ENVR 101/101L, GEOL 101, 103, 201 or GEOG 201</p> <p><b>G. Humanities (9 hrs)</b> a) Fine Arts (3) b) Literature English (ENGL 270- 289 or other as noted) (3) c) Select one course selected from among African American studies, English 270 or higher, fine arts, foreign languages and literatures, history, women's and gender studies 111, philosophy, religious studies (3)</p> <p><b>H. Social Sciences (9 hrs)</b> POLI 201; ECON 221, ECON 223, or ECON 224; and 1 additional course selected from Curriculum I of College of Arts and Science general education requirements.</p> <p><b>I. Cultural Awareness Requirements (three courses; one from each)</b> Students must complete a minimum of three different courses for a total of 9 hours with at least one course from each of the following: a) a course treating in some specific way the culture of the student's foreign language b) a course in North American Studies c) a course in culture other than American or Western European</p> <p><b>2. Major Requirements (36-37 hours)<sup>1</sup></b> All majors must complete at least 36-37 hours of approved courses, including the core requirements of 27 hours. Majors must complete enough additional hours from the selected courses to bring them to the required 36-37 hours total. Students are required to develop a program of study in consultation with their advisor. A minimum grade of <b>C</b> is required for all courses used to fulfill major requirements.</p> <p><b>Special opportunities</b> The major endorses the use of independent study courses to further students' intellectual pursuits in alternative ways. Before students may register for an independent study course, they must submit a completed independent study contract which has been approved by their major advisor and the Director of Undergraduate Studies. No student may apply more than 6 hours of independent study credits toward the degree. A grade-point average of 2.50 or greater is required to enroll in independent study courses.</p> <p><b>Core Requirements (27 hours)</b> <b>Required of all majors (15 hrs)</b> ENVR 201 and 202 Environmental Science and Policy I &amp; II (8 hrs) ENVR 590 Environmental Issues Seminar (3 hrs) BIOL 301 and 301L Ecology and Evolution (4 hrs) <b>Select 4 of 6 (12 hrs)</b> ENVR 548 {=ECON 548} Environmental Economics or ECON 509 Economics of Sustainable Development (3 hrs)</p>
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<sup>1</sup> Please see current University of South Carolina undergraduate course catalog for information about prerequisites required to enroll in many of these courses.

ENGL 434 Environmental Literature (3 hrs)  
 GEOG 343 Human Impact on the Environment (3 hrs)  
 HIST 448 American Environmental History (3 hrs)  
 PHIL 322 Environmental Ethics (3 hrs)  
 POLI 477 Green Politics or POLI 478 Environmental Policy (3 hrs)

**Selected Courses with Advisor Approval (9-10 HOURS)**

Students, in consultation with their advisor, will develop a program of study to meet their educational goals in environmental studies courses. No more than 2 courses should be selected from a single discipline.

The list of courses from which students may select their additional 9-10 hours, in consultation with their advisor, includes:

**Approved Courses**

ANTH 208 Anthropology of Globalization and Development (3)  
 ANTH 212 Food and Culture (3)  
 ANTH 213 Ethnobotany: Plants and Peoples (3)  
 ANTH 513 Anthropological Ethnobotany (3)  
 ANTH 525 Ethnoecology (3)  
 ANTH 569 {=GEOG 569} Environment and Development (3)  
 BIOL 526 The Fall Flora (4)  
 BIOL 527 The Spring Flora (4)  
 BIOL 528 The Summer Flora (4)  
 BIOL 524 Mycology (4)  
 BIOL 525 Marine Plants (4)  
 BIOL 534 Animal Behavior (3)  
 BIOL 536 Ichthyology (4)  
 BIOL 570 Principles of Ecology  
 BIOL 575 Marine Ecology (3)  
 ECON 500 Urban Economics (3)  
 ECON 508 Law and Economics (3)  
 ECON 509 Economics of Sustainable Development (3)  
 ECON 548 {=ENVR 548} Environmental Economics (3)  
 ECON 594 Introduction to Econometrics (3)  
 EMCH 529 Sustainable Design and Development (3)  
 ENGL 434 Environmental Literature (3)  
 ENGL 462 Technical Writing (3)  
 ENHS 492 Special Topics in Environmental Health Sciences (3)  
 ENHS 555 Conservation and Environmental Health in Marine Systems (3)  
 ENHS 592 Advanced Special Topics in Environmental Health (3)  
 ENHS 660 Concepts of Environmental Health Science (3)  
 ENHS 662 Industrial Health Programs (3)  
 ENHS 665 Biofilms in Environmental Health and Disease (3)  
 ENHS 670 Environmental Pollutants and Human Health (3)  
 ENHS 671 From Air to Alveoli: Exposure Science (3)  
 ENHS 675 Infectious Disease Ecology (3)  
 ENVR 399 Independent Study (1-6)  
 ENVR 500 Environmental Practicum (3)  
 ENVR 501 Topics in the Environment (3)

	<p>ENVR 548 {=ECON 548} Environmental Economics (3)  ENVR 572 {=BIOL 572} Freshwater Ecology (3)  GEOG 202 Weather and Climate (4)  GEOG 321 Cities, Environmental Transformation, and Sustainability (3)  GEOG 324 Landscapes of the United States (3)  GEOG 330 Geography of Disasters (3)  GEOG 341 Cartography (3)  GEOG 343 Human Impact on the Environment (3)  GEOG 345 Interpretation of Aerial Photographs (3)  GEOG 346 Climate and Society (3)  GEOG 347 Water as a Resource (3)  GEOG 348 Biogeography (3)  GEOG 360 Geography of Wind (3)  GEOG 363 Geographic Information Systems (3)  GEOG 365 Hurricanes and Tropical Climatology (3)  GEOG 371 Air Pollution Climatology (3)  GEOG 511 Planning and Locational Analysis (3)  GEOG 516 Coastal Zone Management (3)  GEOG 521 Landscapes of South Carolina (3)  GEOG 530 Environmental Hazards (3)  GEOG 541 Advanced Cartography (3)  GEOG 545 Synoptic Meteorology (4)  GEOG 546 Applied Climatology (3)  GEOG 547 Fluvial Geomorphology (3)  GEOG 549 Water and Watersheds (3)  GEOG 551 Principles of Remote Sensing (3)  GEOG 552 LiDARgrammetric and Photogrammetric Digital Surface Mapping (3)  GEOG 563 Advanced Geographic Information Systems (3)  GEOG 564 GIS-Based Modeling (3)  GEOG 566 Social Aspects of Environmental Planning and Management (3)  GEOG 567 Long-Term Environmental Change (3)  GEOG 568 Human Dimensions of Global Environmental Change (3)  GEOG 569 {=ANTH 569} Environment and Development (3)  GEOG 570 Geography of Public Land and Water Policy (3)  GEOG 571 Microclimatology (4)  GEOG 573 Climatic Change and Variability (3)  GEOL 202 Rocks and Minerals (4)  GEOL 315 Earth Surface Processes (4)  GEOL 335 Processes of Global Environmental Change (3)  GEOL 371 A View of the River (3)  GEOL 520 Geochemistry (3)  GEOL 560 Earth Resource Management (3)  GERM 295 Green Technology in Germany (3)  HRTM 383 Ecotourism (3)  HRTM 428 Sustainable Food Service Systems (3)  HRTM 482 Sustainable Tourism Planning and Policy (3)  HRTM 485 Sustainable Tourism (3)  HIST 448 American Environmental History (3)  HIST 492 Topics in History (when appropriate) (3)  JOUR 302 History and Philosophy of the Mass Media (3)  JOUR 303 Law and Ethics of the Mass Media (3)</p>
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JOUR 306 Theories of Mass Communications (3)  
 JOUR 310 Mass Media and Society (3)  
 JOUR 311 Minorities, Women, and the Mass Media (3)  
 JOUR 501 Freedom, Responsibility and Ethics of the Mass Media (3)  
 JOUR 506 Mass Media Criticism (3)  
 JOUR 540 Magazine Article Writing (3)  
 JOUR 542 Public Opinion and Persuasion (3)  
 JOUR 562 Communicating Science, Health and the Environment (3)  
 JOUR 571 Faith, Values and the Mass Media (3)  
 MART 321 Writing for Media (3)  
 MART 371 The Moving Image (3)  
 MART 380 New Media Art (3)  
 MSCI 311 Biology of Marine Organisms (3)  
 MSCI 390 Science and Environmental Policy (3)  
 PHIL 320 Ethics (3)  
 PHIL 321 Medical Ethics (3)  
 PHIL 322 Environmental Ethics (3)  
 PHIL 323 Ethics of Science and Technology (3)  
 PHIL 324 Business Ethics (3)  
 PHIL 325 Engineering Ethics (3)  
 PHIL 535 Ecofeminism (3)  
 POLI 365 State Government (3)  
 POLI 368 Interest Groups and Social Movements (3)  
 POLI 370 Introduction to Public Administration (3)  
 POLI 373 Regulatory Policies (3)  
 POLI 374 Public Policy (3)  
 POLI 431 Science, Technology, and Public Policy (3)  
 POLI 452 The Judicial Process (3)  
 POLI 462 The Legislative Process (3)  
 POLI 463 The American Chief Executive(3)  
 POLI 465 Psychology and Politics (3)  
 POLI 470 Federalism and Intergovernmental Relations (3)  
 POLI 477 Green Politics (3)  
 POLI 478 Environmental Policy (3)  
 PSYC 487 Community Psychology (3)  
 SOCY 308 Community Organization (3)  
 SOCY 310 Social Demography (3)  
 SOCY 311 Ecology of Human Social Systems (3)  
 SOCY 315 World Population: Problems and Policies (3)  
 SOCY 501 Cities and Politics (3)  
 SOCY 514 Urbanization (3)  
 SOCY 550 Sociology of Science (3)  
 SPCH 331 Organizational Communication (3)  
 SPCH 380 Persuasive Communication (3)  
 SPCH 464 Speechwriting (3)

### **3. Electives**

Students should take note that the Bachelor of Arts and Bachelor of Science degrees in Curricula Section I require a minimum of 120 semester hours in academic subjects. (Other

	degrees may require more than 120 semester hours.)  No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses.
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**Change in curriculum. Website 2011-2012 Bulletin – Minor in Environmental Studies**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<p><b>College of Arts and Sciences (Curriculum I) or College of Hospitality, Retail, and Sport Management Majors</b></p> <hr/> <ul style="list-style-type: none"> <li>• BIOL 301 - Ecology and Evolution</li> <li>• BIOL 570 - Principles of Ecology</li> <li>• CHEM 321 - Quantitative Analysis</li> <li>• ENVR 399 - Independent Study</li> <li>• GEOG 346 - Climate and Society</li> <li>• GEOG 360 - Geography of Wind</li> <li>• GEOG 347 - Water as a Resource</li> <li>• GEOG 371 - Air Pollution Climatology</li> <li>• GEOG 560 - Source Materials for Geographic Instruction</li> <li>• GEOG 561 - Geographic Concepts for Teachers</li> <li>• GEOG 570 - Geography of Public Land and Water Policy</li> <li>• MSCI 390 - Science and Environmental Policy</li> <li>• ECIV 350 - Introduction to Environmental Engineering</li> <li>• ECIV 551 - Elements of Water and Wastewater Treatment</li> <li>• ENCP 540 - Environmentally Conscious Manufacturing</li> <li>• STAT 519 - Sampling</li> </ul>	<p><b>College of Arts and Sciences (Curriculum I) or College of Hospitality, Retail, and Sport Management Majors</b></p> <hr/> <ul style="list-style-type: none"> <li>• BIOL 301 - Ecology and Evolution</li> <li>• BIOL 570 - Principles of Ecology</li> <li>• CHEM 321 - Quantitative Analysis</li> <li>• ENVR 399 - Independent Study</li> <li>• GEOG 346 - Climate and Society</li> <li>• GEOG 360 - Geography of Wind</li> <li>• GEOG 347 - Water as a Resource</li> <li>• GEOG 371 - Air Pollution Climatology</li> <li>• GEOG 560 - Source Materials for Geographic Instruction</li> <li>• GEOG 561 - Geographic Concepts for Teachers</li> <li>• GEOG 570 - Geography of Public Land and Water Policy</li> <li>• MSCI 390 - Science and Environmental Policy</li> <li>• ECIV 350 - Introduction to Environmental Engineering</li> <li>• ECIV 551 - Elements of Water and Wastewater Treatment</li> <li>• ENCP 540 - Environmentally Conscious Manufacturing</li> <li>• <u>ENHS 660 – Concepts of Environmental Health Science</u></li> <li>• STAT 519 - Sampling</li> </ul>

**C. Department of Geography**

**New course**

**GEOG 542** Dynamic Cartography. (3) Theories and principles of interactive and animated cartographic design.  
(Prereq: GEOG 341 or permission of instructor)  
**Effective: Fall 2012**

**D. Department of Languages, Literatures, and Cultures**  
**Change in curriculum. Website 2011-2012 Bulletin – BA Spanish Major**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<p><b>General Major (27 Hours)</b></p> <ul style="list-style-type: none"> <li>• <del>Select 27 hours from SPAN 300 or above</del></li> </ul> <p><b>Intensive Major (33 Hours)</b></p> <ul style="list-style-type: none"> <li>• <del>Select 30 hours from SPAN 300 or above</del></li> <li>• SPAN 499 - Senior Seminar</li> <li>• Attainment of an advanced rating on an oral proficiency interview conducted by a departmentally approved tester</li> </ul>	<p><b>General Major (27 Hours)</b></p> <p><u>18 hours from:</u></p> <ul style="list-style-type: none"> <li>• <u>SPAN 309</u></li> <li>• <u>SPAN 310</u></li> <li>• <u>SPAN 312</u></li> <li>• <u>SPAN 400 or 500</u></li> <li>• <u>SPAN 401 or 501</u></li> <li>• <u>SPAN 404 or 405 or other literature course</u> <u>SPAN 300 or above</u></li> </ul> <p><u>Select additional 9 hours electives from SPAN 300, 305, 307, 316, 317, 350, 375, 398, 409, 417, 499, and any 500-level; 3 hours may be chosen from PORT 299 or above</u></p> <p><b>Intensive Major (33 Hours)</b></p> <p><u>21 hours from:</u></p> <ul style="list-style-type: none"> <li>• <u>SPAN 309</u></li> <li>• <u>SPAN 310</u></li> <li>• <u>SPAN 312</u></li> <li>• <u>SPAN 400 or 500</u></li> <li>• <u>SPAN 401 or 501</u></li> <li>• <u>SPAN 404 or 405 or other literature course</u> <u>SPAN 300 or above</u></li> <li>• SPAN 499 - Senior Seminar</li> </ul> <p><u>Select additional 12 hours electives from SPAN 300, 305, 307, 316, 317, 350, 375, 398, 409, 417, and any 500-level; 3 hours may be chosen from PORT 299 or above</u></p> <ul style="list-style-type: none"> <li>• Attainment of an advanced rating on an oral proficiency interview conducted by a departmentally approved tester</li> </ul>

**Change in curriculum. Website 2011-2012 Bulletin – BA Spanish Minor**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<p><b>Required Course (3 Hours)</b></p> <ul style="list-style-type: none"> <li>• SPAN 309 - Advanced Spanish Language I</li> </ul> <p><b><del>Spanish 200 or Above (6 Hours)</del></b></p> <ul style="list-style-type: none"> <li>• <del>Select 6 hours of SPAN 200 or above<sup>†</sup></del></li> </ul> <p><b><del>Spanish 300 or Above (9 Hours)</del></b></p> <ul style="list-style-type: none"> <li>• <del>Select 9 hours of Spanish 300 or above<sup>†</sup></del></li> </ul>	<p><b>Required Course (3 Hours)</b></p> <ul style="list-style-type: none"> <li>• SPAN 309 - Advanced Spanish Language I</li> </ul> <p><b><u>Elective Courses (15 Hours)</u></b></p> <ul style="list-style-type: none"> <li>• Select 6 hours of SPAN 200 or above</li> <li>• Select 9 hours of SPAN 300 or above; <u>3</u></li> </ul>



<p><b>Note</b>  <del><sup>1</sup>SPAN 315 may not be applied to the minor.</del></p>	<p><u>hours may be chosen from PORT 299 or above</u></p>
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### **E. Marine Science Program**

#### **Change in title**

From: MSCI 210 Oceans and Man. (3)  
 To: MSCI 210 Oceans and Society. (3)

From: MSCI 210L Oceans and Man Laboratory. (1)  
 To: MSCI 210L Oceans and Society Laboratory. (1)

#### **Change in curriculum. Website 2011-2012 Bulletin –Progression and Transfer requirements for B.S. in Marine Science**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<ul style="list-style-type: none"> <li>• <u>STAT 518 - Nonparametric Statistical Methods</u></li> <li>• <u>JOUR 562 - Communicating Science, Health and the Environment</u></li> </ul> <p><sup>1</sup> Credit for a degree will not be given for both CHEM 340 and CHEM 541.</p> <p><sup>2</sup> PHYS 212 may be used for both program requirement and major courses.</p>	<ul style="list-style-type: none"> <li>• <u>STAT 518 - Nonparametric Statistical Methods</u></li> <li>• <u>JOUR 562 - Communicating Science, Health and the Environment</u></li> </ul> <p><sup>1</sup> Credit for a degree will not be given for both CHEM 340 and CHEM 541.</p> <p><sup>2</sup> PHYS 212 may be used for both program requirement and major courses.</p>
	<p><b><u>Progression Requirement</u></b></p> <hr/>
	<p><u>Marine Science majors may enroll in the following courses a maximum of twice to earn the required grade of C or higher: MATH through 142, CHEM 111, CHEM 112, PHYS 201/201L or PHYS 211/211L, PHYS 202/202L or PHYS 212/212L. For the purposes of this standard of progression, withdrawal with a <b>W</b> does not constitute enrollment. These courses must be completed before the beginning of the student's third academic year (fifth major semester) as a marine science major.</u></p>
	<p><b><u>Transfer Requirement</u></b></p> <hr/> <p><u>Any student applying for transfer to the marine science major from other programs within the University, or from other accredited colleges and</u></p>

<p><b>3. Areas of Emphasis</b></p> <hr/> <p>Students may elect to have an <i>Area of Emphasis</i> specified directly on their academic transcript upon graduation from the Marine Science Program. In order to earn <i>Area of Emphasis</i> certification, students must take the following courses, with an additional course to be decided upon by the student and his or her Faculty Advisor. These courses may also be included in the 36 major credit hours required for graduation.</p>	<p><u>universities, is required to have a minimum overall grade point average of 2.50 on a 4.00 scale.</u></p> <p><b>3. Areas of Emphasis</b></p> <hr/> <p>Students may elect to have an <i>Area of Emphasis</i> specified directly on their academic transcript upon graduation from the Marine Science Program. In order to earn <i>Area of Emphasis</i> certification, students must take the following courses, with an additional course to be decided upon by the student and his or her Faculty Advisor. These courses may also be included in the 36 major credit hours required for graduation.</p>
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## F. Department of Mathematics

### Change in curriculum. Website 2011-2012 Bulletin – Major prerequisites and transfer requirements for B.S. in Mathematics

**Note: The Committee on Admissions and Scholastic Standards and Petitions also gave approval to the transfer requirements.**

<u>Current</u>	<u>Proposed</u>
<p><b>2. Major</b></p> <p><b>Major Prerequisites</b></p> <hr/> <p>The following courses fulfill some of the general education requirements, as well as some of the requirements of certain cognates and minors. These courses must be completed for the B.S. degree in mathematics:</p> <ul style="list-style-type: none"> <li>• <a href="#">MATH 141 - Calculus I</a> (Must be completed with a grade of C or better)</li> <li>• <a href="#">MATH 142 - Calculus II</a> (Must be completed with a grade of C or better)</li> <li>• <a href="#">MATH 241 - Vector Calculus</a> (Must be completed with a grade of C or better)</li> <li>• <a href="#">CSCE 145 - Algorithmic Design I</a></li> <li>• <del><a href="#">STAT 511 - Probability</a></del></li> <li>• <del><a href="#">STAT 512 - Mathematical Statistics</a></del></li> </ul>	<p><b>2. Major</b></p> <p><b>Major Prerequisites</b></p> <hr/> <p>The following courses fulfill some of the general education requirements, as well as some of the requirements of certain cognates and minors. These courses must be completed for the B.S. degree in mathematics:</p> <ul style="list-style-type: none"> <li>• <a href="#">MATH 141 - Calculus I</a> (Must be completed with a grade of C or better)</li> <li>• <a href="#">MATH 142 - Calculus II</a> (Must be completed with a grade of C or better)</li> <li>• <a href="#">MATH 241 - Vector Calculus</a> (Must be completed with a grade of C or better)</li> <li>• <a href="#">CSCE 145 - Algorithmic Design I</a></li> <li>• <u>One of the following sequences</u></li> </ul>

<ul style="list-style-type: none"> <li>• <del>STAT 509</del> or <del>STAT 515</del></li> <li>• <del>STAT 516</del> or <del>CSCE 146</del></li> </ul>	<ol style="list-style-type: none"> <li>1. <u>STAT 511 (or MATH 511) - Probability</u> and <u>STAT 512 - Mathematical Statistics</u></li> <li>2. <u>One of STAT 509 or STAT 515</u> and one of <u>STAT 516 or CSCE 146</u></li> </ol> <p><u>In addition, students who do not have at least a B average in MATH 141, 142, and 241 must complete MATH 300 - Transition to Advanced Mathematics with a C or better.</u></p>
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<p><b><u>Current</u></b></p> <p><i>Note:</i></p> <p><del>Students may enroll in each math course, including MATH 141, 142, and 241, a maximum of two times.</del></p>	<p><b><u>Proposed</u></b></p> <p><b><u>Retention</u></b></p> <p><u>A grade of C or better is required in each major course and in each of MATH 141, 142, and 241.</u></p> <p><u>A student may enroll in each major course and in each of MATH 141, 142, and 241 a maximum of two times. (Enrolled in a course is interpreted to mean that a grade, including W, has been recorded.)</u></p> <p><u>A student may repeat a maximum of three mathematics courses, including MATH 141, 142, and 241. (Receiving a grade of W is not to be considered a repeat.)</u></p> <p><b><u>Transfer Requirement</u></b></p> <p><u>Any student applying to transfer to the mathematics major from other programs within the University, or from other accredited colleges and universities, is required to have earned a grade of "B" or higher in at least one of the following courses, or their equivalent: USC's MATH 141 (Calculus I), MATH 142 (Calculus II), MATH 241 (Vector Calculus), or MATH 300 (Transition to Advanced Mathematics). An AP or IB exam score that</u></p>
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	<p><u>provides credit for MATH 142 also satisfies this requirement</u></p> <p><u>This requirement is in addition to the minimum University and College of Arts and Sciences requirements.</u></p>
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**G. Department of Statistics**  
**Change in curriculum. Website 2011-2012 Bulletin – Transfer requirements for B.S. in Statistics**

**Note: The Committee on Admissions and Scholastic Standards and Petitions also gave approval to the transfer requirements.**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<p><b>Retention:</b></p> <p>To be retained in the program, a student must obtain a grade of C or higher in at most two attempts in all mathematics, computer science, and statistics courses required for graduation.</p>	<p><b>Retention:</b></p> <p>To be retained in the program, a student must obtain a grade of C or higher in at most two attempts in all mathematics, computer science, and statistics courses required for graduation.</p> <p><b><u>Transfer Requirement:</u></b></p> <p><u>Any student applying to transfer to the statistics major from other programs within the University, or from other accredited colleges and universities, is required to have earned a grade of "B" or higher in at least one of the following courses, or their equivalent: USC's MATH 141 (Calculus I), MATH 142 (Calculus II), STAT 509 (Statistics for Engineers), or STAT 515 (Statistical Methods I). An AP or IB exam score that provides credit for MATH 142 also satisfies this requirement. STAT 509 and 515 are advanced undergraduate courses. This requirement is in addition to the minimum University and College of Arts and Sciences requirements.</u></p>

## 2. COLLEGE OF EDUCATION

### Department of Physical Education and Athletic Training

#### New courses

PEDU 267 Clinical Foundations in Athletic Training. (3) Basic knowledge and skills in athletic injury prevention, care, and recognition; medical terminology; fulfillment of athletic training clinical proficiencies.

**Effective: Fall 2012**

PEDU 350 Evaluation and Assessment of Upper Extremity Injuries. (3) Prevention, recognition, orthopedic assessment of common injuries to the upper body; immediate care, treatment, and rehabilitation of injuries and illnesses to athletes.

(Prereq: PEDU 349, 349L) (Coreq: PEDU 350L)

**Effective: Fall 2012**

PEDU 350L Evaluation and Assessment of Upper Extremity Injuries Lab. (1) Skill development for recognition, assessment, and treatment for injuries to the upper extremity.

(Prereq: PEDU 349, 349L) (Coreq: PEDU 350)

**Effective: Fall 2012**

#### Change in credit hours

From: PEDU 292 Athletic Training Clinical Experience I. (1)

To: PEDU 292 Athletic Training Clinical Experience I. (2)

**Effective: Fall 2012**

From: PEDU 293 Athletic Training Clinical Experience II. (1)

To: PEDU 293 Athletic Training Clinical Experience II. (2)

**Effective: Fall 2012**

#### Change in title, prerequisite and description

From: PEDU 348 Evaluation of Injuries I. (3) Provides knowledge and skills for orthopaedic/physical assessment of common injuries to the spine and lower body. Restricted to: Acceptance into ATEP. (Coreq: PEDU 348L)

To: PEDU 348 Evaluation and Assessment of Lower Extremity Injuries. (3) Knowledge and skills for orthopedic/physical assessment of common injuries to the lower body; study of the lower extremities as they relate to the prevention, recognition, evaluation and assessment, immediate care, and treatment; rehabilitation and reconditioning of injuries and illnesses to athletes and others engaged in physical activity. (Prereq: PEDU 266, PEDU 275 or with special permission) (Coreq: PEDU 348L)

**Effective: Fall 2012**

From: PEDU 348L Evaluation of Injuries I Lab. (1) Provides knowledge and skills for orthopedic/physical assessment of common injuries to the spine and lower

- body. Restricted to athletic training majors. (Coreq: PEDU 348)
- To: PEDU 348L Evaluation and Assessment of Lower Extremity Injuries Lab. (3) Laboratory setting to enhance knowledge and skills for orthopedic/physical assessment of common injuries to the lower extremities. (Prereq: PEDU 266) (Coreq: PEDU 348)  
**Effective: Fall 2012**
- From: PEDU 349L Evaluation of Injuries II Lab. (1) Provides knowledge and skills for orthopedic/physical assessment of common injuries to the head, face, thorax, and upper extremities. Restricted to athletic training majors. (Coreq: PEDU 349)
- To: PEDU 349L Evaluation and Assessment of Head, Neck, Spine & Abdomen Injuries Lab. (1) Skill development for orthopedic/physical assessment of common injuries to the cervical spine, head, face, abdomen and thorax. (Prereq: PEDU 348, 348L; Coreq: PEDU 349)  
**Effective: Fall 2012**

**Change in title and description**

- From: PEDU 349 Evaluation of Injuries II. (3) Provides knowledge and skills for orthopaedic/physical assessment of common injuries to the head, face, thorax, and upper body.
- To: PEDU 349 Evaluation and Assessment of Head, Neck, Spine & Abdomen Injuries. (3) Knowledge and skills for orthopedic/physical assessment of common injuries to the cervical spine, head, face, abdomen and thorax. Study of the cervical spine, head, face, abdomen and thorax as they relate to the prevention; recognition, evaluation and assessment; immediate care, treatment, rehabilitation, and reconditioning of injuries and illnesses to athletes and others engaged in physical activity.  
**Effective: Fall 2012**

**Change in credit hours, prerequisite and description**

- From: PEDU 494 Athletic Training Senior Seminar. (2) Integrates cognitive learning in conjunction with psychomotor skill development and assessment. Preparation for the BOC exam and professional research. (Prereq: PEDU 492, 496)
- To: PEDU 494 Athletic Training Senior Seminar. (3) Preparation for the BOC examination for athletic trainers; advanced skills and integration of athletic training principles and development of athletic training research; professional research and current literature pertaining to relevant topics in athletic training. (Prereq: PEDU 492)  
**Effective: Fall 2012**

**Change in curriculum. Website 2011-2012 Bulletin – changes to B.S. in Athletic Training – Effective Fall 2012**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
Athletic Training, B.S.	Athletic Training, B.S.
Physical Education and Athletic Training Curriculum College of Education	Physical Education and Athletic Training Curriculum College of Education
Curriculum	Curriculum
B.S. in Athletic Training (129-135 hours) I. General Education Requirements (55-61 hours)	<b><u>B.S. in Athletic Training (128-134 hours)</u></b> <b><u>I. General Education Requirements (56-62 hours)</u></b>
Language Arts (12 hours):	Language Arts (12 hours):
ENGL 101 - Critical Reading and Composition ENGL 102 - Rhetoric and Composition ENGL 283 or ENGL 285 SPCH 140 - Public Communication	ENGL 101 - Critical Reading and Composition ENGL 102 - Rhetoric and Composition ENGL 283 or ENGL 285 SPCH 140 - Public Communication
<del>Natural Sciences (16 hours):</del>	<b><u>Natural Sciences (20 hours):</u></b>
Select one of the following:	Select one of the following:
BIOL 101 - Biological Principles I and BIOL 101L BIOL 110 - General Biology BIOL 120 - Human Biology and BIOL 120L Select one of the following:	BIOL 101 - Biological Principles I and BIOL 101L BIOL 110 - General Biology BIOL 120 - Human Biology and BIOL 120L Select one of the following:
PHYS 101 - The Physics of How Things Work I and PHYS 101L PHYS 201 - General Physics I and PHYS 201L <del>CHEM 102 - Fundamental Chemistry II</del> <del>CHEM 111 - General Chemistry I</del>	PHYS 101 - The Physics of How Things Work I and PHYS 101L PHYS 201 - General Physics I and PHYS 201L <b><u>Select one of the following:</u></b>
Select one of the following:	<del>CHEM 102 - Fundamental Chemistry II</del> <del>CHEM 111 - General Chemistry I</del>
Select one of the following:	Select one of the following:
EXSC 223 - Anatomy and Physiology I BIOL 243 - Human Anatomy and Physiology I and BIOL 243L	EXSC 223 - Anatomy and Physiology I BIOL 243 - Human Anatomy and Physiology I and BIOL 243L
Select one of the following:	Select one of the following:
EXSC 224 - Anatomy and Physiology II BIOL 244 - Human Anatomy and Physiology II and BIOL 244L	--- EXSC 224 - Anatomy and Physiology II BIOL 244 - Human Anatomy and Physiology II and BIOL 244L
Liberal Arts (12 hours):	Liberal Arts (12 hours):
--- PSYC 101 - Introduction to Psychology SOCY 101 - Introductory Sociology History elective Additional social science elective	--- PSYC 101 - Introduction to Psychology SOCY 101 - Introductory Sociology History elective Additional social science elective
Numerical and Analytical Reasoning (6-7 hours):	Numerical and Analytical Reasoning (6-7 hours):

<p>-----  Select one of the following options:    Option One  -----  -----  MATH 122 - Calculus for Business Administration and Social Sciences  Or MATH 141 - Calculus I  Plus an additional course from:  -----  -----  PHIL 110 - Introduction to Logic I  PHIL 111 - Introduction to Logic II  CSCE 101 - Introduction to Computer Concepts  CSCE 102 - General Applications Programming  STAT 201 - Elementary Statistics  Option Two  -----  -----  Select one of the following pairs:  PHIL 110 - Introduction to Logic I  PHIL 111 - Introduction to Logic II  Or CSCE 101 - Introduction to Computer Concepts  Plus a higher level CSCE course  Or STAT 201 - Elementary Statistics  Plus a higher level STAT course    Foreign Languages:  -----  -----  Students shall demonstrate in one foreign language the ability to comprehend the topic and main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of 2 or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.    Health (6 hours):  -----  -----  <del>PEDU 300 – First Aid and CPR</del>  HPEB 321 - Personal and Community Health    Aesthetics (3 hours):  -----  -----  ARTE 360 - Interdisciplinary Relationships in the Arts    <del>2. Core Requirements for Athletic Training Program (24 hours)</del>  -----  -----  <del>PEDU 190 – Introduction to the Description and Analysis of Human Movement</del>  <del>PEDU 232 – Philosophy and Principles of Physical Education</del>  <del>PEDU 420 – Motor Learning in Physical Education</del>  <del>PEDU 520 – Observational Analysis of Sports Techniques and Tactics</del>  <del>PEDU 570 – Human Child/Adolescent Growth</del>  EXSC 530 - The Physiology of Muscular Activity</p>	<p>-----  Select one of the following options:    Option One  -----  -----  MATH 122 - Calculus for Business Administration and Social Sciences  Or MATH 141 - Calculus I  Plus an additional course from:  -----  -----  PHIL 110 - Introduction to Logic I  PHIL 111 - Introduction to Logic II  CSCE 101 - Introduction to Computer Concepts  CSCE 102 - General Applications Programming  STAT 201 - Elementary Statistics  Option Two  -----  -----  Select one of the following pairs:  PHIL 110 - Introduction to Logic I  PHIL 111 - Introduction to Logic II  Or CSCE 101 - Introduction to Computer Concepts  Plus a higher level CSCE course  Or STAT 201 - Elementary Statistics  Plus a higher level STAT course    Foreign Languages:  -----  -----  Students shall demonstrate in one foreign language the ability to comprehend the topic and main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of 2 or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.    <b><u>Health (3 hours):</u></b>  -----  -----  HPEB 321 - Personal and Community Health    Aesthetics (3 hours):  -----  -----  ARTE 360 - Interdisciplinary Relationships in the Arts    <b><u>2. Athletic Training Core Requirements (66 hours)</u></b>  -----  -----  PEDU 263 - Introduction to Athletic Training  PEDU 266 - Care and Prevention of Injuries  <b><u>PEDU 267 - Clinical Foundations of Athletic Training</u></b>  PEDU 275 - Functional Musculoskeletal Anatomy  <b><u>PEDU 292 - Athletic Training Clinical Experience I</u></b>  <b><u>PEDU 293 - Athletic Training Clinical Experience II</u></b>  <b><u>PEDU 300 - First Aid/CPR</u></b>  <b><u>PEDU 348 - Evaluation and Assessment of Lower Extremity</u></b></p>
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<p>EXSC 530L - Physiology of Muscular Activity Lab  HPEB 502 or HRTM 340 or EXSC 507 or NURS 220  <del>CLAS 230 – Medical and Scientific Terminology</del></p> <p><u>Athletic Training Courses (49 hours)</u></p> <p>-----</p> <p>---</p> <p>PEDU 263 - Introduction to Athletic Training  PEDU 266 - Care and Prevention of Injuries  <del>PEDU 266L – Athletic Training Lab</del>  PEDU 275 - Functional Musculoskeletal Anatomy  <del>PEDU 292 – Athletic Training Clinical Experience I</del>  <del>PEDU 293 – Athletic Training Clinical Experience II</del>  <del>PEDU 348 – Evaluation of Injuries I</del>  <del>PEDU 348L – Evaluation of Injuries I Lab</del>  <del>PEDU 349 – Evaluation of Injuries II</del>  <del>PEDU 349L – Evaluation of Injuries II Lab</del>  PEDU 365 - Pharmacology and Drug Education in Athletic Trainers  PEDU 366 - Therapeutic Modalities  PEDU 366L - Therapeutic Modalities Lab  PEDU 392 - Athletic Training Clinical Experience III  PEDU 393 - Athletic Training Clinical Experience IV  <del>PEDU 464 – Conditioning Methods in Athletic Performance</del>  PEDU 466 - Therapeutic Exercise  PEDU 466L - Therapeutic Exercise Lab  PEDU 492 - Athletic Training Clinical Experience V  PEDU 493 - Athletic Training Clinical Experience VI  <del>PEDU 494 – Athletic Training Senior Seminar</del>  PEDU 496 - Organization and Administration of Athletic Training  PEDU 497 - General Medical Concerns for Athletic Trainers</p>	<p><u>Injuries</u>  <u>PEDU 348L - Evaluation and Assessment of Lower Extremity Injuries Lab</u>  <u>PEDU 349 - Evaluation and Assessment of Head, Neck, Spine &amp; Abdomen Injuries</u>  <u>PEDU 349L - Evaluation and Assessment of Head, Neck, Spine &amp; Abdomen Injuries</u>  <u>PEDU 350-Evaluation and Assessment of Upper Extremity Injuries</u>  <u>PEDU 350L-Evaluation and Assessment of Upper Extremity Injuries Lab</u>  PEDU 365 - Pharmacology and Drug Education in Athletic Trainers  PEDU 366 - Therapeutic Modalities  PEDU 366L - Therapeutic Modalities Lab  PEDU 392 - Athletic Training Clinical Experience III  PEDU 393 - Athletic Training Clinical Experience IV  PEDU 466 - Therapeutic Exercise  PEDU 466L - Therapeutic Exercise Lab  PEDU 492 - Athletic Training Clinical Experience V  <u>PEDU 494 - Athletic Training Senior Seminar</u>  PEDU 496 - Organization and Administration of Athletic Training  PEDU 497 - General Medical Concerns for Athletic Trainers  PEDU 520 - Observational Analysis of Sports Techniques and Tactics  HPEB 502 or HRTM 340 or EXSC 507 or NURS 220  EXSC 530 - The Physiology of Muscular Activity  EXSC 530L - Physiology of Muscular Activity Lab</p> <p><b><u>3. Additional Athletic Training Program Requirements (6 hours)</u></b>  <b><u>Select two (6 hrs) of the following:</u></b></p> <p>-----</p> <p>---</p> <p><u>PEDU 420 - Motor Learning in Physical Education</u>  <u>PEDU 464 - Conditioning Methods in Athletic Performance</u>  <u>PEDU 570 - Human Child/Adolescent Growth</u>  <u>CLAS 230 - Medical and Scientific Terminology</u></p>
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### 3. COLLEGE OF ENGINEERING AND COMPUTING

#### A. Department of Civil and Environmental Engineering Change in special permission

From: ECIV 497 Fundamentals of Engineering Preparation. (1)  
Note: Restricted to Civil Engineering Seniors  
Special Permission required from Instructor  
Pass/Fail Grading

To: ECIV 497 Fundamentals of Engineering Preparation. (1)  
Note: Restricted to Civil Engineering Seniors  
Pass/Fail Grading

**B. Department of Mechanical Engineering**

**New course**

EMCH 573 Introduction to Nuclear Materials. (3) Materials for nuclear applications; materials degradation processes occurring in the nuclear reactor environment.

**Restricted to Engineering Upper Division and Graduate Students  
Effective: Fall 2012**

**4. COLLEGE OF HOSPITALITY, RETAIL, AND SPORT MANAGEMENT**

**Department of Retailing**

**New course to be offered only through Distance Education Delivery**

RETL 116 Fashion Through the Ages: 1800 A.D. to Present. (3) Introduction to the history of fashion from 1800 A.D. to the present.

**Effective: Summer I 2012**

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

RETL 261 Functional Accounting I. (3)

RETL 262 Functional Accounting II. (3)

**5. ARNOLD SCHOOL OF PUBLIC HEALTH**

**Department of Environmental Health Sciences**

**New course**

ENHS 450 Introduction to Public Health Microbiology. (3) Public health microbiology and the intersection between microbial disease, the environment, and health, with a particular focus on critical public health issues in the 21<sup>st</sup> century.

**Effective: Fall 2012**

**6. COLLEGE OF SOCIAL WORK**

**New course with Distance Education Delivery**

SOWK 677 Psychosocial Aspects of Health Care. (3) Psychosocial aspects of health outcomes for social workers and other allied health professionals.

**7. SYSTEM AFFAIRS AND EXTENDED UNIVERSITY**

**Palmetto Programs**

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

ENGL 390 Great Books of the Western World I. [=CPLT 301] (3)

CPLT 301 Great Books of the Western World I. [=ENGL 390] (3)

ENGL 425A The American Novel to 1914. (3)

HIST 494 Topics in History. (3)