

**REPORT: COMMITTEE ON CURRICULA AND COURSES**  
(For consideration by the Faculty Senate at its June 25, 2008 meeting.)

The Committee requests that any department which has a proposal being recommended by the Committee on Curricula and Courses provide a spokesperson to attend the Faculty Senate meeting in which said proposal is to be recommended.

Please contact Gail Wagner (Anthropology) in advance if errors are noted, either by phone: 777-6548 or e-mail: [Hark@gwm.sc.edu](mailto:Hark@gwm.sc.edu)

**1. COLLEGE OF ARTS AND SCIENCES**

**A. Department of Biological Sciences**

**Change in prerequisites**

From: BIOL 531 Parasitology. [=ENHS 661 and EPID 661] (4) (Prereq: BIOL 460 or consent of instructor)  
 To: BIOL 531 Parasitology. [=ENHS 661 and EPIC 661] (4) (Prereq: 300 level Biology course or equivalent)

**B. Department of Criminology and Criminal Justice**

**Change in curriculum, Website 2007-2008 Undergraduate Bulletin, Bachelor of Arts degree**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<b>Degree Requirements</b>	<b>Degree Requirements</b>
<i>(120 hours)</i>	<i>(120 hours)</i>
The department's Office of Academic Programs will make every effort to assist students in maximizing their academic and professional potential through advisement. However, the ultimate responsibility for meeting all requirements for the degree rests <i>solely</i> with the individual student.	The department's Office of Academic Programs will make every effort to assist students in maximizing their academic and professional potential through advisement. However, the ultimate responsibility for meeting all requirements for the degree rests <i>solely</i> with the individual student.
The following are the requirements for the Bachelor of Arts degree with a major in criminology and criminal justice:	The following are the requirements for the Bachelor of Arts degree with a major in criminology and criminal justice:
<b>1. General Education Requirements (56-65 hours)</b>	<b>1. General Education Requirements (56-65 hours)</b>
For an outline of general education	For an outline of general education

<p>requirements for the Bachelor of <b>Arts</b> degree, see "College of Arts and Sciences, Curriculum Section I."</p> <p><b>2. Major Requirements</b></p> <p>Each course must be passed with a grade of <b>C</b> or better.</p> <p><b>Required Courses</b> CRJU 101, 211, 221, 231, 301, 321, and 341 (21 hours)</p> <p><b>Additional Major Courses</b> Five additional CRJU courses selected of Academic Programs (15 hours)</p>	<p>requirements for the Bachelor of <b>Arts</b> degree, see "College of Arts and Sciences, Curriculum Section I."</p> <p><u>CRJU 101 (3 hrs) must be completed for a major in Criminology and Criminal Justice. CRJU 101 may be used to satisfy a social science or elective requirement.</u></p> <p><b>2. Major Requirements</b></p> <p><u>A total of 33 hours of courses is required for the major beyond CRJU 101.</u></p> <p><b><u>Required Courses include:</u></b> <u>CRJU 202 (3 hrs);</u> <u>CRJU 203 (3 hrs); and</u> <u>CRJU 341 (3 hrs).</u> <u>Total 9 hours</u></p> <p><b><u>Additional Major Courses</u></b> <u>Three from the following: CRJU 311;</u> <u>CRJU 312; CRJU 313; CRJU 314; CRJU 351</u> <u>Total 9 hours</u></p> <p><u>Five courses from: CRJU 321, CRJU 322, CRJU 421; CRJU 422; CRJU 426; CRJU 485; CRJU 491; CRJU 494; CRJU 554; CRJU 563; CRJU 577; CRJU 582; CRJU 585; CRJU 591.</u> <u>Total 15 hours</u></p> <p><u>All course work for the major must be passed with a grade <b>C</b> or better.</u></p>
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**Change in prerequisite**

From: CRJU 301 Research Methods in Criminal Justice. (3) (Prereq: STAT 201 or equivalent courses in quantitative methods)

To: CRJU 202 Research Methods in Criminology and Criminal Justice. (3)

**Change in title, course number and description**

From: CRJU 532 Violence in American Society. (3) Historical overview of violence

- in American society. An examination of the theoretical causes and preventive strategies for acts of violence. Both individual and collective violence is studied.
- To: CRJU 323 Violence in America. (3) Historical overview of violence in American society, including theoretical perspectives on the causes and prevention of violence.

### C. Department of English Language and Literature

#### Change in title and description

- From: ENGL 101 Composition. (3) A course in the composing process with attention to invention, arrangement and style, and closely supervised practice in reading and writing essays.
- To: ENGL 101 Critical Reading and Composition. (3) A course offering structured, sustained practice in close reading, critical analysis and composing. Students will read a range of literary and non-literary texts and write expository and analytical essays.
- From: ENGL 102 Composition and Literature. (3) (Prereq: ENGL 101) A course in the writing of expository and critical essays with an introduction to literature and including a research paper.
- To: ENGL 102 Rhetoric and Composition. (3) (Prereq: ENGL 101) A course offering structured, sustained practice in researching, analyzing and composing arguments. Students will read about a range of academic and public issues and write researched argumentative and persuasive essays.

#### New course

- ENGL 603 Nonfiction Prose Workshop. (3) (Graduate status in the English Department) Instruction in the writing of the nonfiction essay taught by a contemporary prose writer. May be repeated once for credit.  
**Restricted to: Permission of instructor required for undergraduates.**
- ENGL 606 Playwriting Workshop. (3) (Prereq: Graduate status in the English Department) Instruction in playwriting taught by a contemporary playwright. May be repeated once for credit.  
**Restricted to: Permission of instructor required for undergraduates.**
- ENGL 611 Writing the Longer Nonfiction Project. (3) (Prereq: Graduate status in the English Department) Instruction in the writing of a book-length nonfiction memoir or literary journalism project taught by a contemporary prose writer. May be repeated once for credit.

**Restricted to: Permission of instructor required for undergraduates.**

ENGL 613 Writing the Full-Length Play. (3) (Prereq: Graduate status in the English Department) Instruction in the writing of a full-length, two-act play for publication or production. May be repeated once for credit.

**Restricted to: Permission of instructor required for undergraduates.**

**D. Film and Media Studies Program**

**Change in curriculum, Website 2007-2008 Undergraduate Bulletin**

<u>Current</u>	<u>Proposed</u>
1. General Education Requirements (53-62)	1. General Education Requirements (53-62)
For a general outline, see "College of Arts and Sciences."	For a general outline, see "College of Arts and Sciences."
2. Major Requirements	2. Major Requirements
Prerequisite: FILM 240 Introduction to Film Studies (3 hours)	Prerequisite: FILM 240 Introduction to Film <u>and Media Studies</u> (3 hours)
Major Courses (30 hours)	Major Courses (30 hours)
FILM 365 {=ARTH 365, ENGL 474, and THEA 480} History of Cinema I (3 hours)	<u>A. FILM 300 Film and Media History (3 hours)</u>
FILM 366 {=ARTH 366, ENGL 475, and THEA 481} History of Cinema II (3 hours)	<u>B. Three additional film and/or media history courses, from FILM 365 {=ARTH 365, ENGL 474, and THEA 480}, FILM 366 {=ARTH 366, ENGL 475, and THEA 481}, FILM 510, FILM 555 {=MART 555}, MART 569, and/or other upper level film and media history courses approved by the student's advisor, at least one of which must be from outside the U.S. (9 hours)</u>
FILM 473 {=ENGL 473 and PHIL 473} Film Theory (3 hours)	<u>C. FILM 473 {=ENGL 473, PHIL 473} Film and Media Theory and Criticism (3 hours)</u>
THEA 581 Film as Performance (3 hours) 3 hours devoted to the study of film genres: FILM 566 {=ENGL 566} (the musical, the Western, crime films, science fiction films, etc.) or other appropriate special topics or Honors College course approved by the student's advisor	<u>D. One film and/or media production or performance course, from MART 210, MART 371, THEA 575, THEA 581, THEA 587, or other appropriate course approved by the student's advisor (3 hours)</u>
3 hours devoted to a course on national cinema outside the United States: FILM 597 {=CPLT 597}, FILM 598 {=FORL 598}, FREN 397, ITAL 412, JAPA 350, SPAN 380, ANTH 516, or other appropriate special topics or Honors College course approved by the student's advisor	<u>E. Four additional courses from the list below or other appropriate courses (special topics, Honors College, etc.) approved by the student's advisor (12 hours):</u>
3 hours additional devoted to film production or performance: THEA 370, THEA 587, ENGL 604,	

<p>605, MART 371, MART 490, or other appropriate special topics or Honors College course approved by the student's advisor</p> <p>9 additional hours from the following list:          ANTH 300 Comparing Cultures Through Film          ANTH 516 Indonesian Culture Through Film          ANTH 517 Anthropological View of Blacks in Films          ANTH 570 Ethnographic Film          ARTH 569 Topics in Film History          ENGL 604, 605 Seminar in Composition for the Visual Media          FILM 555 {=ARTH 555} History of Documentary Film          FILM 566 {=ENGL 566} Topics in American Film          FILM 597 {=CPLT 597} Comparative Studies in Film          FILM 598 {=FORL 598} Topics in World Film          FREN 397 The French Film Experience          HIST 492F Film and History          ITAL 412 Post-World War II Italian Cinema          JAPA 350 Japanese Culture and Society through Film          MART 371 The Moving Image          MART 490, 590 Special Topics in Media Arts          PHIL 336 Philosophy and Film          POLI 357 Film, Politics, and Social Change          PORT 301 Cultural Manifestations of Modern Brazil          SPAN 380 Hispanic Film and Culture          THEA 370 Intermediate Acting          THEA 587 Film and Television Acting</p> <p>Or other appropriate special topics or Honors College courses approved by the student's advisor. Students should check with their advisor or with the director of the Film Studies Program for a complete list of film courses offered during a given semester.</p> <p>3. Cognate or Minor (12-18 hours)</p> <p>See "College of Arts and Sciences."</p> <p>4. Electives (7-22 hours)</p>	<p>ANTH 300 Comparing Cultures Through Film          ANTH 516 Indonesian Culture Through Film          ANTH 517 <u>{=AFRO 517}</u> Anthropological View of Blacks in Films          ANTH 570 Ethnographic Film          ARTH 569 Topics in Film History  <u>FILM 365 {=ARTH 365, ENGL 474, and THEA 480} History of Cinema I</u>  <u>FILM 366 {=ARTH 366, ENGL 475, and THEA 481} History of Cinema II</u>  <u>FILM 510 Topics in Film and Media History</u>  <u>FILM 511 Topics in Film and Media</u>          FILM 555 {=MART 555} History of Documentary Film          FILM 566 {=ENGL 566} Topics in American Film          FILM 597 {=CPLT 597} Comparative Studies in Film          FILM 598 {=FORL 598} Topics in World Film          FREN 397 The French Film Experience  <u>GERM 580A {=FILM 598A} WWII in German Film</u>          HIST 492F Film and History          ITAL 412 Post-World War II Italian Cinema          JAPA 350 Japanese Culture and Society through Film          MART 371 The Moving Image  <u>MART 490, 590 Special Topics in Media Arts</u>  <u>MART 490V Vision, Visuality &amp; the Logics of Visual Media</u>  <u>Culture</u>          PHIL 336 Philosophy and Film          POLI 357 Film, Politics, and Social Change  <u>POLI 362 Politics and the Mass Media</u>          PORT 301 Cultural Manifestations of Modern Brazil  <u>RUSS 598F {=FILM 598F} Survey of Russian Film</u>          SPAN 380A <u>Hispanic Film and Culture: Spain</u>          SPAN 380B: <u>Hispanic Film and Culture: Latin America</u>  <u>THEA 575 Rehearsal and Performance</u>  <u>THEA 581 Film as Performance</u>          THEA 587 Film and Television Acting</p> <p><u>At least one of the courses from categories B, D or E above should be in documentary and/or experimental media.</u></p> <p>3. Cognate or Minor (12-18 hours)</p> <p>See "College of Arts and Sciences."</p> <p>4. Electives (7-22 hours)</p>
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## E. Department of Mathematics

**Change in description**

- From: MATH 562 Theory of Computation. [=CSCE 551] (3) (Prereq: CSCE 350 or MATH 526 or 544 or 574) Basic theoretical principles of computing as modeled by formal languages and automata; computability and computational complexity. Major credit may not be received for both CSCE 355 and CSCE 551.
- To: MATH 562 Theory of Computation. [=CSCE 551] (3) (Prereq: CSCE 350 or MATH 526 or 544 or 574) Basic theoretical principles of computing as modeled by formal languages and automata; computability and computational complexity.

**Change in prerequisite**

- From: MATH 587 Introduction to Cryptography. [=CSCE 557] (3) (Prereq: CSCE 145, MATH 250 or 241, and either CSCE 355 or MATH 574)
- To: MATH 587 Introduction to Cryptography. [=CSCE 557] (3) (Prereq: CSCE 145, MATH 241, and either CSCE 355 or MATH 574)

**New course**

- MATH 602 An Inductive Approach to Geometry. (3) (Prereq: MATH 122 or 141) This course is designed for middle level pre-service mathematics teachers. This course covers geometric reasoning, Euclidean geometry, congruence, area, volume, similarity, symmetry, vectors, and transformations. Dynamic software will be utilized to explore geometry concepts. This course cannot be used for credit toward a major in mathematics.

**F. Department of Physics and Astronomy****Change in crosslisting, prerequisite and description**

- From: PHYS 311 Introduction to Applied Numerical Methods. [=EMCH 201] (3) (Prereq: MATH 242; coreq: EMCH 200, MATH 241) Introduction and application of numerical methods to the solution of physical and engineering problems. Techniques include iterative solution techniques, method of solving system of equations, and numerical integration and differentiation.
- To: PHYS 311 Introduction to Applied Numerical Methods. [=EMCH 201, ENCP 201] (3) (Prereq: MATH 141; Coreq: MATH 142) Introduction and application of linear algebra and numerical methods to the solution of physical and engineering problems. Techniques include iterative solution techniques, methods of solving systems of equations, and numerical integration and differentiation.

**2. COLLEGE OF EDUCATION****A. Department of Educational Studies**

**Change in title and description**

- From: EDCE 503 Family Guidance. (3) Effective techniques for childrearing.  
 To: EDCE 503 Family Counseling. (3) A comparative study of the major theories in the field of family counseling.
- From: EDET 650 Internship in Educational Technology. (1-3) Supervised field based experiences in the design, development, evaluation, and implementation of technology-based instructional and training projects. May be repeated for up to six hours.  
 To: EDET 650 Internship in Educational Technology. [=AEET 650] (3) Supervised field-based experiences in the design, development, evaluation, and implementation of technology-based instructional and training projects.

**Deletion**

- EDCE 601 Group Procedures in Counseling. (3)

**Addition of Technology Assisted Delivery**

- EDEX 640 Managing Problem Behavior in the Classroom. (3)

**B. Department of Instruction and Teacher Education**

**Change in curriculum, Website 2007-2008 Undergraduate Bulletin, BA in Elementary Education**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<p><b>Science and Mathematics (16)</b>                      Natural Sciences (one course required from each area, minimum of 10 hours, including at least one course with a lab)                      Life Science: BIOL 110 (4) or BIOL 120 (3)                      Physical Science: PHYS 101/101L or ASTR 111/111A or CHEM 101 (4) or CHEM 105 (3)                      Earth Science: GEOL 101, 103, or 201 (3) or MSCI 101 or ENVR 101/101L (4) or ENVR 200/200L (4)                      MATH 122 (3)                      STAT 110 or 201 (3)</p>	<p><b>Science and Mathematics (16)</b>  <u>Natural Sciences (one course required from each area, minimum of 10 hours, including at least one course with a lab).</u>   <u>Life Sciences: one from BIOL 110 (4) or BIOL 120/120L (3-4)</u>   <u>Physical Sciences: one from ASTR 111/111A (3-4), CHEM 105 (4), or PHYS 101/101L (3-4),</u>   <u>Earth Sciences: one from ENVR 101/101L (3-4), ENVR 200/200L(3-4), GEOL 101 (4), GEOL 103 (4), GEOL 201 (4), MSCI 210/MSCI 210L (3-4), or MSCI 215/MSCI 215L (3-4).</u></p>

**Change in curriculum, Website 2007-2008 Undergraduate Bulletin, Middle Level Education, Mathematics Specialization**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<b>Middle Level Education</b>	<b>Middle Level Education</b>
<b>Curriculum</b>	<b>Curriculum</b>
...	...
<b>4. Content Area Specialization (36-41)</b>	<b>4. Content Area Specialization (36-41)</b>
...	...
Mathematics Specialization (18-20) MATH 172 Mathematical Modeling or MATH 142 Calculus II (3-4) MATH 222 Basic Concepts of Elementary Mathematics II or MATH 531 Foundations of Geometry (3)	Mathematics Specialization (18-20) MATH 172 Mathematical Modeling or MATH 142 Calculus II (3-4) MATH <u>602 An Inductive Approach to Geometry</u> <del>222 Basic Concepts of Elementary Mathematics II</del> or MATH 531 Foundations of Geometry (3)
STAT 201 Elementary Statistics (if not used for General Education requirement) (3) MATH 401 Conceptual History of mathematics or MATH 241 Vector Calculus (3) Two chosen from among the following (three courses if STAT 201 was used for meeting the General Education requirement) (6-9):	STAT 201 Elementary Statistics (if not used for General Education requirement) (3) MATH 401 Conceptual History of mathematics or MATH 241 Vector Calculus (3) Two chosen from among the following (three courses if STAT 201 was used for meeting the General Education requirement) (6-9):
<ul style="list-style-type: none"> <li>MATH 141 Calculus I (if not used for General Education requirement) (4)</li> <li>MATH 142 Calculus II (4) (if not used above)</li> <li>MATH 241 Vector Calculus (3) (if not used above)</li> <li>MATH 170 Finite Mathematics (3) or MATH 174 Discrete Mathematics for Computer Science (3), but not both</li> <li>MATH 511 Probability (3)</li> <li>MATH 544 Linear Algebra (3)</li> <li>MATH 546 Algebraic Structures I (3)</li> <li>MATH 574 Discrete Mathematics (3)</li> <li>MATH 580 Elementary Number Theory (3)</li> </ul>	<ul style="list-style-type: none"> <li>MATH 141 Calculus I (if not used for General Education requirement) (4)</li> <li>MATH 142 Calculus II (4) (if not used above)</li> <li>MATH 241 Vector Calculus (3) (if not used above)</li> <li>MATH 170 Finite Mathematics (3) or MATH 174 Discrete Mathematics for Computer Science (3), but not both</li> <li>MATH 511 Probability (3)</li> <li>MATH 544 Linear Algebra (3)</li> <li>MATH 546 Algebraic Structures I (3)</li> <li>MATH 574 Discrete Mathematics (3)</li> <li>MATH 580 Elementary Number Theory (3)</li> </ul>
<ul style="list-style-type: none"> <li>STAT 506 Introduction to Experimental Design (3)</li> <li>STAT 515 Statistical Methods (3)</li> </ul>	<ul style="list-style-type: none"> <li>STAT 506 Introduction to Experimental Design (3)</li> <li>STAT 515 Statistical Methods <u>I</u> (3)</li> <li>STAT 516 Statistical Methods <u>II</u> (3) (if STAT 506 was not taken)</li> </ul>

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### C. Department of Physical Education

#### Deletions

PEDU 134 Advanced Gymnastics. (1)

#### New courses

PEDU 100 Contemporary Physical Activity. (1) Development of skills in an identified area. Course content will vary and be announced by suffix and title. May be repeated as topics vary.

PEDU 101 Self –Defense For Women. (1) Basic knowledge and understanding of the culture and context in which interpersonal violence occurs, the root causes and patterns of behavior within violent relationships, self defense against forcible attacks, making immediate decisions when confronted with an assault, and the procedures necessary after an assault has occurred.

PEDU 102 Contemporary Physical Activity. (1-3) Course contact will vary and be announced by suffix and title. May be repeated as topics vary.

PEDU 109 ROTC Conditioning. (1) Exercise testing, technique, and leadership, program design and implementation, nutrition, individual and team competitions, and other forms of training.

PEDU 134 Flying Disc Sports. (1) Fundamentals and strategies of disc golf, ultimate and various physical activities using flying discs in recreational and competitive situations.

### 3. COLLEGE OF ENGINEERING AND COMPUTING

The College of Engineering and Computing requests a **change in their designator from “ENGR” to “ENCP”** and all references to it in the bulletin.

#### New course

ENCP 201 Introduction to Applied Numerical Methods. [=EMCH 201, PHYS 311] (3) (Prereq: MATH 141; Coreq: MATH 142) Introduction and application of linear algebra and numerical methods to the solution of physical and engineering problems. Techniques include iterative solution techniques, methods of solving systems of equations, and numerical integration and differentiation.

ENCP 481 Project Management. (1) (Prereq: upper division standing)

Estimating project time and resources, scheduling, Gantt and PERT charts, budgeting, monitoring and tracking results.

- ENCP 491 Capstone Design Project I. (3) (Prereq: consent of academic advisor and instructor, Coreq or Prereq: ENCP 481 or ECIV 405) Major team-based design project to be undertaken in a student's final year of study; project planning, requirements analysis, design, and specification. Written reports and oral presentations in a technical setting.  
**Special permission required by professor.**
- ENCP 492 Capstone Design Project II. (3) (Prereq: 491, consent of instructor) Continuation of ENCP 491. System implementation, testing, verification and validation of results. Written reports and oral presentations in a technical setting.  
**Special permission required by professor.**
- ENCP 499 Interdisciplinary Technical Elective. (1-3) (Prereq: advance approval of proposed project by instructor and academic advisor) Investigation or studies or special topics, typically in an interdisciplinary team-based environment. A maximum of three (3) credits may be applied toward a degree.  
**Special permission required by department and professor.**

**Change in curriculum, New Degree Program for Fall 2009, Undergraduate Bulletin, Bachelor of Science in Engineering – Major in Engineering Sciences**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
	<p><b>Bachelor of Science in Engineering—Major in Engineering Science</b></p> <p><i>(129 hours)</i></p> <p>ENGL 101, 102, and either 462 or 463 (9 hours)</p> <p>Liberal Arts (9 hours)</p> <p>MATH 141, 142, 241, 242, (14 hours)</p> <p>STAT 509 (3 hours)</p> <p>CHEM 111 (4 hours)</p> <p>PHYS 211, 211L, (4 hours)</p> <p>Science Elective two of CHEM 212, PHYS 212 and 212L, BIOL 101 and BIOL 101L, BIOL 102 and BIOL 102L (8 hours)</p> <p>CSCE 145 (4 hours)</p> <p>ELCT 102, 221, (6 hours)</p> <p>ECHE 300 (3 hours)</p> <p>ENCP 101, 105, 200, 201, 290, 481, 491, 492 (20 hours)</p> <p>Engineering Electives (30 hours)</p> <p>Focus Area Electives (15 hours)</p>

	<p><b>Notes:</b></p> <p>1. <i>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.</i></p> <p>2. <i>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.</i></p> <p>3. <i>The College maintains a list of approved focus area electives for combined BS-Graduate Professional degree programs. Other focus area electives must be non introductory courses in an area of concentration and approved by the student's advisor.</i></p>
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**Change in designator and description**

- From: ENGR 101 Introduction to Engineering I. (3) Engineering problem solving using computers and other engineering tools.
- To: ENCP 101 Introduction to Engineering I. (3) Working in teams, professional presentations, engineering design and problem solving using computers and other engineering tools.

**A. Department of Civil Engineering**

**Change in title**

- From: ECIV 533 Environmental Geotechnics. (3)
- To: ECIV 533 Geosynthetics and Geotechnical Design of Landfills. (3)

**B. Department of Computer Science & Engineering**

**Change in title**

- From: CSCE 207 Programming and the Unix Environment. (3)
- To: CSCE 207 UNIX System Administration. (3)

**Change in prerequisite**

- From: CSCE 240 Introduction to Software Engineering. (3) (Prereq: grade of C or better in CSCE 146)
- To: CSCE 240 Introduction to Software Engineering. (3) (Prereq: CSCE 215, grade of C or better in CSCE 146)
- From: CSCE 311 Operating Systems. (3) (Prereq: CSCE 245, CSCE 210 or 212, MATH 374)
- To: CSCE 311 Operating Systems. (3) (Prereq: CSCE 240, CSCE 210 or 212,

MATH 374)

- From: CSCE 557 Introduction to Cryptography. [=MATH 587] (3) (Prereq: CSCE 145, MATH 241 or 250, and either CSCE 355 or MATH 574)  
 To: CSCE 557 Introduction to Cryptography. [=MATH 587] (3) (Prereq: CSCE 145, MATH 241, and either CSCE 355 or MATH 574)

**Change in description**

- From: CSCE 355 Foundations of Computation. (3) (Prereq: CSCE 211, 212, 350) Basic theoretical principles of computing as modeled by formal languages, grammars, and machines; computability and computational complexity. Major credit may not be received for both CSCE 355 and CSCE 551.  
 To: CSCE 355 Foundations of Computation. (3) (Prereq: CSCE 211, 212, 350) Basic theoretical principles of computing as modeled by formal languages, grammars, automata, and Turing machines; fundamental limits of computation.
- From: CSCE 551 Theory of Computation. [=MATH 562] (3) (Prereq: CSCE 350 or MATH 526 or 544 or 574) Basic theoretical principles of computing as modeled by formal languages and automata; computability and computational complexity. Major credit may not be received for both CSCE 355 and CSCE 551.  
 To: CSCE 551 Theory of Computation. [=MATH 562] (3) (Prereq: CSCE 350 or MATH 526 or 544 or 574) Basic theoretical principles of computing as modeled by formal languages and automata; computability and computational complexity.

**Change in title, prerequisite and description**

- From: CSCE 492 Capstone Software Engineering Project. (3) (Prereq: CSCE 240, 311, either ENGL 462 or 463) Advanced software engineering.  
 To: CSCE 492 Capstone Software Engineering Project II. (3) (Prereq: CSCE 490) Continuation of CSCE 490. Computer system implementation, testing, verification and validation of results. Written reports and oral presentations in a technical setting.
- From: CSCE 611 Conceptual Modeling Tools for CAD. (3) (Prereq: CSCE 211, 245) Design techniques for logic systems; emphasis on higher-level CAD tools such as hardware description languages and conceptual modeling.  
 To: CSCE 611 Advanced Digital Design. (3) (Prereq: CSCE 212) Design techniques for logic systems; emphasis on higher-level CAD tools such as hardware description languages and functional modeling.

**New course**

- CSCE 215 UNIX/Linux Fundamentals. (1) (Prereq: CSCE 145) UNIX

operating system, user-level system commands and programming tools. UNIX scripting languages.

- CSCE 374 Robotic Applications and Design. (3) (Prereq: CSCE 212, 240)  
Design and control of robots. Interactions between robots, sensing, actuation, and computation.
- CSCE 490 Capstone Software Engineering Project I. (3) (Prereq: CSCE 240, 311, either ENGL 462 or 463) Major team-based software design project to be undertaken in a student's final year of study; project planning, software requirements analysis, design, and specification. Written reports and oral presentations in a technical setting.

**Change in curriculum, Website 2007-2008 Undergraduate Bulletin, Bachelor of Science in Engineering – Major in Computer Engineering**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<p><b>Bachelor of Science in Engineering--Major in Computer Engineering</b></p> <p>(123 hours)</p> <p>ENGL 101, 102, and either 462 or 463 (9 hours) SPCH 140 (3 hours) Liberal Arts (9 hours) MATH 141, 142, 241, 242, 374 (17 hours) Mathematics elective (3 hours) STAT 509 (3 hours) CHEM 111 (4 hours) PHYS 211, 211L, 212, 212L (8 hours) CSCE 145, 146, 190, 211, 212, 240, <u>245</u>, 311, 313, 317, 350, <u>355</u>, 390, 416, <u>491, 492</u> (46 hours) ELCT 102, 221, 222, 371 (12 hours) Major Electives (9 hours)</p> <p><b>Notes:</b></p> <p>1. The liberal arts courses must include at least one history course, one fine arts course, and one social science course. The department maintains a list of approved humanities and social science electives.</p> <p>2. The math elective is satisfied with MATH 526 or 527 or 544 or CSCE 561. Other courses in linear algebra or numerical analysis may be substituted with permission of the department.</p> <p>3. The department maintains a list of approved major electives for the computer engineering</p>	<p><b>Bachelor of Science in Engineering--Major in Computer Engineering</b></p> <p>(125 hours)</p> <p>ENGL 101, 102, and either 462 or 463 (9 hours) SPCH 140 (3 hours) Liberal Arts (9 hours) MATH 141, 142, 241, 242, 374 (17 hours) Mathematics elective (3 hours) STAT 509 (3 hours) CHEM 111 (4 hours) PHYS 211, 211L, 212, 212L (8 hours) CSCE 145, 146, 190, 211, 212, <u>215</u>, 240, 311, 313, 317, 350, <u>374</u>, 390, 416, <u>611</u> (41 hours) ELCT 102, 221, 222, 371 (12 hours) <u>ENCP 481, 491, 492</u> (7 hours) Major Electives (9 hours)</p> <p><b>Notes:</b></p> <p>1. The liberal arts courses must include at least one history course, one fine arts course, and one social science course. The department maintains a list of approved humanities and social science electives.</p> <p>2. The math elective is satisfied with MATH 526 or 527 or 544 or CSCE 561. Other courses in linear algebra or numerical analysis may be substituted with permission of the department.</p> <p>3. The department maintains a list of approved</p>

<p>degree. Currently, CSCE 330, ELCT 321, ELCT 331, and most CSCE courses numbered 510 and higher are approved. CSCE 561 satisfies the requirement as either a major elective or as a mathematics elective.</p>	<p>major electives for the computer engineering degree. Currently, CSCE 330, CSCE 355, ELCT 321, ELCT 331, and most CSCE courses numbered 510 and higher are approved. CSCE 561 satisfies the requirement as either a major elective or as a mathematics elective.</p>
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**Change in curriculum, Website 2007-2008 Undergraduate Bulletin, Bachelor of Science – Major in Computer Information Systems**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<p><b>Bachelor of Science--Major in Computer Information Systems</b></p> <p><i>(120 hours)</i></p> <p>ENGL 101, 102, and either 462 or 463 (9 hours)            SPCH 140 (3 hours)            Liberal Arts (18 hours)            MATH 141, 142, 374 (11 hours)            STAT 509 (3 hours)            Laboratory sciences (8 hours including two labs)            Minor in Business Information Management including MGSC 390, 490, 590, ACCT 222, ECON 224, MKTG 350, MGMT 371, FINA 301 (24 hours)            CSCE 145, 146, 190, 205, 210, 240, <u>245</u>, 311, 350, 390, 416, 492, 520, 522 (<u>40 hours</u>)            Major elective (CSCE course numbered above 500) (3 hours)            Free elective (1 hour)</p> <p><b>Notes:</b></p> <p>1. <i>The liberal arts courses must include at least one history course, one fine arts course, and one social science course.</i></p> <p>2. <del><i>Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required. Up to 6 hours of foreign language courses may be counted toward the liberal arts requirement.</i></del></p>	<p><b>Bachelor of Science--Major in Computer Information Systems</b></p> <p><i>(123 hours)</i></p> <p>ENGL 101, 102, and either 462 or 463 (9 hours)            SPCH 140 (3 hours)            Liberal Arts (18 hours)            MATH 141, 142, 374 (11 hours)            STAT 509 (3 hours)            Laboratory sciences (8 hours including two labs)            Minor in Business Information Management including MGSC 390, 490, 590, ACCT 222, ECON 224, MKTG 350, MGMT 371, FINA 301 (24 hours)            CSCE 145, 146, 190, 205, 210, <u>215</u>, 240, 311, 350, 390, 416, <u>490</u>, 492, 520, 522 (<u>41 hours</u>)  <u>Lower Division Elective (3 hours)</u>            Major elective (CSCE course numbered above 500) (3 hours)</p> <p><b>Notes:</b></p> <p>1. <i>The liberal arts courses must include at least one history course, one fine arts course, and one social science course. <u>The department maintains a list of approved humanities and social science electives.</u></i></p> <p>2. <i><u>The Lower Division Elective is a 200-level application-oriented CSCE course. The department maintains a list of approved electives.</u></i></p>

**Change in curriculum, Website 2007-2008 Undergraduate Bulletin, Bachelor of Science in Computer Science**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<p><b>Bachelor of Science in Computer Science</b></p> <p><i>(121 hours)</i>            ENGL 101, 102, and either 462 or 463 (9 hours)            SPCH 140 (3 hours)            Liberal Arts (18 hours)            MATH 141, 142, 241, 374, 526 (18 hours)            STAT 509 (3 hours)  <del>PHYS 211, 211L, 212, 212L (8 hours)</del>            Laboratory science (4 hours)            CSCE 145, 146, 190, 211, 212, 240, <u>245</u>, 311, 330, 350, 355, 390, 416, 492 (40 hours)            Major electives (CSCE 317 or CSCE courses numbered above 500) (9 hours)            Application area (9 hours)</p> <p><b>Notes:</b></p> <p>1. <i>The liberal arts courses must include at least one history course, one fine arts course, and one social science course.</i></p> <p>2. <del><i>Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required. Up to 6 hours of foreign language courses may be counted toward the liberal arts requirement.</i></del></p> <p>3. <i>The department maintains a list of approved laboratory science courses.</i></p>	<p><b>Bachelor of Science in Computer Science</b></p> <p><i>(125 hours)</i>            ENGL 101, 102, and either 462 or 463 (9 hours)            SPCH 140 (3 hours)            Liberal Arts (18 hours)            MATH 141, 142, 241, 374, 526 (18 hours)            STAT 509 (3 hours)            Laboratory science (<u>12 hours</u>)            CSCE 145, 146, 190, 211, 212, <u>215</u>, 240, 311, 330, 350, 355, 390, 416, <u>490</u>, 492 (<u>41 hours</u>)  <u>Lower Division Elective (3 hours)</u>            Major electives (CSCE 317 or CSCE courses numbered above 500) (9 hours)            Application area (9 hours)</p> <p><b>Notes:</b></p> <p>1. <i>The liberal arts courses must include at least one history course, one fine arts course, and one social science course. <u>The department maintains a list of approved liberal arts electives.</u></i></p> <p>2. <i><u>The Lower Division Elective is a 200-level application-oriented CSCE course. The department maintains a list of approved electives.</u></i></p> <p>3. <i><u>The Laboratory sciences must include either CHEM 111 and 112 or PHYS 211, 211L, 212, and 212L for 8 hours. The department maintains a list of other approved laboratory sciences for the remaining 4 hours.</u></i></p>

**C. Department of Electrical Engineering**

**Change in title and prerequisite**

From: ELCT 221      Circuits I. (3) (Prereq: MATH 142)  
 To:    ELCT 221      Circuits. (3) (Prereq: MATH 142 and ELCT 102 or 220)

**Change in prerequisite**

From: ELCT 331      Control Systems. (3) (Prereq: ELCT 321)  
 To:    ELCT 331      Control Systems. (3) (Prereq: ECLT 222)

- From: ELCT 551 Power Systems Design and Analysis. (3) (Prereq: ELCT 331, ELCT 361)  
 To: ELCT 551 Power Systems Design and Analysis. (3) (Prereq: ELCT 331)
- From: ELCT 553 Electromechanical Energy Conversion. (3) (Prereq: ELCT 331, ELCT 301)  
 To: ELCT 553 Electromechanical Energy Conversion. (3) (Prereq: ELCT 331, 361)

#### **D. Department of Mechanical Engineering**

##### **Change in cross-listing, prerequisite and description**

- From: EMCH 201 Introduction to Applied Numerical Methods [=PHYS 311] (3) (Prereq: MATH 141; coreq: EMCH 200) Introduction and application of numerical methods to the solution of physical and engineering problems. Techniques include iterative solution techniques, method of solving system of equations, and numerical integration and differentiation.
- To: EMCH 201 Introduction to Applied Numerical Methods [=ENCP 201, PHYS 311] (3) (Prereq: MATH 141; coreq: MATH 142) Introduction and application of linear algebra and numerical methods to the solution of physical and engineering problems. Techniques include iterative solution techniques, methods of solving system of equations, and numerical integration and differentiation.

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

##### **Program of Technology Support and Training Management**

##### **New course**

- TSTM 584 Hospitality and Tourism Technology. (3) (Prereq: TSTM 264 or equivalent) Addresses information technology systems impacting hospitality and tourism industries. Topics include electronic markets, reservation systems, knowledge networks, property management, employee tracking systems, and advanced e-tourism systems including mobile smart technologies.  
**Telecommunication delivery.**
- TSTM 586 eCommerce Technology in Hospitality. (3) (Prereq: TSTM 264 or equivalent) Provides students with advanced understanding of technologies applicable to hospitality and tourism industries. Students analyze current and emerging technologies to determine operational impact on hotels, restaurants, and travel businesses.  
**Telecommunication delivery.**

## 5. COLLEGE OF MASS COMMUNICATIONS AND INFORMATION STUDIES

### School of Library and Information Science

#### Addition of Telecommunication Delivery to existing course

SLIS J600 Storytelling. (3)

## 6. SCHOOL OF MUSIC

#### New course

MUED 557 Wind Pedagogy II. (2) (Prereq: MUED 357 or admission to M.A.T. (music) program) Continued study of the issues in playing and teaching wind instruments in a heterogeneous class. Special study of problems unique to each woodwind and brass instrument regarding fingering and intonation.

MUSC 580 Entrepreneurship in Music. (3) Entrepreneurial skills and context for music-based careers and business venture. Students self-select music projects related to their interest and develop them through a feasibility plan.

#### Change in title and description

- From: MUSC 114 Basic Skills for Understanding and Writing Music. (3) Practice in basic aural and written musical skills. Concepts of rhythm, melody, harmony, form, and expression. Open to non music majors. Not for credit toward requirements in music degrees.
- To: MUSC 114 Introduction to Music Theory. (3) Aural and written study of intervals, chords, meter, and rhythm, with an emphasis on music reading, writing and analysis. Open to non-music majors. Not for major credit.
- From: MUSC 115 Introduction to Music Theory. (3) Basic elements of Western music.
- To: MUSC 115 Music Theory I. (3) An introduction to the basic elements, materials, and structure of Western tonal music with an emphasis on harmony, voice leading, and counterpoint.
- From: MUSC 116 Theory of Tonal Music I. (3) (Prereq: MUSC 115) Tonal organization in music of the 18<sup>th</sup> and 19<sup>th</sup> centuries with emphasis on linear and harmonic aspects of diatonic music.
- To: MUSC 116 Music Theory II. (3) (Prereq: MUSC 115) Continuation of MUSC 115.
- From: MUSC 117 Sightsinging and Ear Training I. (1) Rhythmic reading, sightsinging, dictation, and other aural and written skills. Two meetings a week.

- To: MUSC 117 Aural Skills I. (1) Development of musical independence, including sightsinging, ear training, rhythmic reading, dictation, and partsinging.
- From: MUSC 215 Theory of Tonal Music II. (3) (Prereq: MUSC 116) Continuation of MUSC 116 with addition of chromatic elements.
- To: MUSC 215 Music Theory III. (3) (Prereq: MUSC 116) Continuation of MUSC 116.
- From: MUSC 216 Theory of 20<sup>th</sup>-Century Music. (3) (Prereq: MUSC 215) Study of 20<sup>th</sup>-century musical styles.
- To: MUSC 216 Music Theory IV. (3) (Prereq: MUSC 215) A study of organization in music of the late 19<sup>th</sup>, 20<sup>th</sup>, and 21<sup>st</sup> centuries.
- From: MUED 357 Winds. (2) Fundamentals of playing and teaching wind instruments in a heterogeneous class. Special study of problems unique to each instrument relating to care and repair, embouchure, tone production, articulation, fingering, intonation, and teaching materials. Two meetings per week. May be repeated for credit.
- To: MUED 357 Wind Pedagogy I. (2) ) Fundamentals of playing and teaching wind instruments in a heterogeneous class. Study of basic principles regarding embouchure, tone production, articulation, fingering, and teaching materials.

**Change in title and prerequisite**

- From: MUSC 118 Sightsinging and Ear Training II. (1)
- To: MUSC 118 Aural Skills II. (1) (Prereq: MUSC 117)
- From: MUSC 217 Sightsinging and Ear Training III. (1)
- To: MUSC 217 Aural Skills III. (1) (Prereq: MUSC 118)
- From: MUSC 218 Sightsinging and Ear Training IV. (1)
- To: MUSC 218 Aural Skills IV. (1) (Prereq: MUSC 217)

**Change in description**

- From: MUSC 336 Introduction to Computer Music. (3) Fundamentals of computer generated sound. Survey of computer-music research and computer-generated music. Basic techniques for programming a computer to create simple musical compositions.
- To: MUSC 336 Introduction to Computer Music. (3) Techniques of computer-generated music production including aspects of MIDI, digital synthesis, and music programming. Open to students in any discipline

**Change in prerequisite**

- From: MUSC 540 Projects in Computer Music. (1-3) (Prereq: consent of instructor)

To: MUSC 540 Projects in Computer Music. (1-3) (Prereq: MUSC 336 or consent of instructor)

**Change in course number, title, and description**

From: MUED 463 Methods for String Instruction. (2) Methods for String Instruction. (2) Fundamentals of playing and teaching orchestral stringed instruments. Recruitment, curriculum content, and classroom management in the context of public-school string and orchestra classes.

To: MUED 533 Methods of String Instruction I. (2) Fundamentals of teaching orchestral stringed instruments in school string and orchestra classes. Emphasis on sequential instruction, materials, and classroom management.

**Change in course number, title, corequisite and description**

From: MUED 463P Practicum in Methods for String Instruction. (1) (Coreq: MUED 463) Practical application of elementary string methods and techniques in public and community school settings. Not auditable.

To: MUED 533P Practicum in Methods for String Instruction I. (1) (Coreq: MUED 563) Practical application of string methods and materials in public and community school settings. Not auditable.

From: MUED 464 Orchestras in Secondary Schools. (2) (Coreq: MUED 464P) A study of materials for developing the technique and musicianship of string students in grades 7-12.

To: MUED 534 Methods of String Instruction II. (2) (Coreq: MUED 564P) Continued study of methods, materials, and concepts of teaching orchestral stringed instruments in school string and orchestra classes. Emphasis on rehearsal techniques and curricula.

From: MUED 464P Practicum in String and Orchestra Literature for Secondary Schools. (1) (Coreq: MUED 464) Practical application of secondary string methods and materials in public and community school settings. Not auditable.

To: MUED 534P Practicum in Methods of String Instruction II. (1) (Coreq: MUED 564) Practical application of string methods and materials in public and community school settings. Not auditable.

**Change in course number**

From: MUED 468 Organization and Administration of Music Programs. (2)

To: MUED 568 Organization and Administration of Music Programs. (2)

**Change in course number, corequisite and description**

From: MUED 468P Practicum in Instrumental Music. (1) (Coreq: MUED 468)

Practical application of instrumental methods and techniques in school settings. Not auditable.

To: MUED 568P Practicum in Instrumental Music. (1) (Coreq: MUED 568)  
Practical application of instrumental methods and materials in school settings. Not auditable.

**Change in curriculum, Website 2007-2008 Undergraduate Bulletin, Bachelor of Music (Emphases in Music Education-Choral or Music Education-Instrumental)**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<p><b><i>Bachelor of Music (Emphases in Music Education-Choral or Music Education-Instrumental)</i></b></p> <p><i>(132 hours)</i></p> <p><b>1. General Education Requirements (38 hours)</b></p> <p>ENGL 101, 102 (6 hours; must be passed with a grade of <b>C</b> or higher) Numerical and Analytical Reasoning (6 hours) Arts and Sciences (curriculum I) (12 hours; must include 3 hours in history and 3 hours in fine arts [should include MUSC 455]) Natural Sciences (7-8 hours) Nonmusic requirements and electives (6-7 hours: must include demonstration of proficiency in one foreign language equivalent to the minimal passing grade in the 110 or 121 course or a score of three on a USC foreign language test.)</p> <p><b>2. Music Requirements (49 hours)</b></p> <p>Applied music (primary instrument) (14 hours) MUSC 100, 100L (1 hour) MUSC 115, 116, 117, 118, 215, 216, 217, 218 (16 hours) MUSC 353, 354 (6 hours) MUSC 333, 334/335 (4 hours) Ensembles (8 hours)</p> <p><b>3. Music Education Requirements (23 hours)</b></p> <p><b>Courses required for choral emphasis</b> Applied music (secondary instrument) (8 hours) MUSC 278, 577 (4 hours) MUED 104P, 359 (4 hours) MUED 335L, 465, 465P, 467, 467P (7 hours)</p> <p><b>Courses required for instrumental emphasis</b> MUED 155, 156 (4 hours) MUSC 125, 129, MUED 165, 465, 466, or 467 (2 hours) String majors--MUSC 101; MUED 104, 360, 357, <del>463, 463P, 464, 464P</del> (14 hours) Wind majors--MUED 105/106, 360, 357, 358, 460, <del>468, 468P</del> (15 hours)</p>	<p><b><i>Bachelor of Music (Emphases in Music Education-Choral or Music Education-Instrumental)</i></b></p> <p><i>(132 hours)</i></p> <p><b>1. General Education Requirements (38 hours)</b></p> <p>ENGL 101, 102 (6 hours; must be passed with a grade of <b>C</b> or higher) Numerical and Analytical Reasoning (6 hours) Arts and Sciences (curriculum I) (12 hours; must include 3 hours in history and 3 hours in fine arts [should include MUSC 455]) Natural Sciences (7-8 hours) Nonmusic requirements and electives (6-7 hours: must include demonstration of proficiency in one foreign language equivalent to the minimal passing grade in the 110 or 121 course or a score of three on a USC foreign language test.)</p> <p><b>2. Music Requirements (49 hours)</b></p> <p>Applied music (primary instrument) (14 hours) MUSC 100, 100L (1 hour) MUSC 115, 116, 117, 118, 215, 216, 217, 218 (16 hours) MUSC 353, 354 (6 hours) MUSC 333, 334/335 (4 hours) Ensembles (8 hours)</p> <p><b>3. Music Education Requirements (23 hours)</b></p> <p><b>Courses required for choral emphasis</b> Applied music (secondary instrument) (8 hours) MUSC 278, 577 (4 hours) MUED 104P, 359 (4 hours) MUED 335L, 465, 465P, 467, 467P (7 hours)</p> <p><b>Courses required for instrumental emphasis</b> MUED 155, 156 (4 hours) MUSC 125, 129, MUED 165, 465, 466, or 467 (2 hours) String majors--MUSC 101; MUED 104, 360, 357, <b><u>533, 533P, 534, 534P</u></b> (14 hours) Wind majors--MUED 105/106, 360, 357, 358, 460, <b><u>557, 568, 568P</u></b> (15 hours)</p>

Percussion majors--MUED 105/106, 357, 358, 460, 468, <del>468P</del> (14 hours) MUED electives (1-3 hours)	Percussion majors--MUED 105/106, 357, 358, 460, <b>557, 568, 568P</b> (14 hours) MUED electives (1-3 hours)
<b>4. Professional Education Requirements (22 hours)</b>	<b>4. Professional Education Requirements (22 hours)</b>
MUED 200; EDFN 300, EDPY 401, EDTE 402 (10 hours) MUED 477 (Directed teaching) (12 hours)	MUED 200; EDFN 300, EDPY 401, EDTE 402 (10 hours) MUED 477 (Directed teaching) (12 hours)

**Change in curriculum, Website 2007-2008 Undergraduate Bulletin, Bachelor of Music (Emphases in Performance, Theory, Composition, or Jazz Studies)**

<b><u>Current</u></b>	<b><u>Proposed</u></b>
<b>Bachelor of Music (Emphases in Performance, Theory, Composition, or Jazz Studies)</b>	<b>Bachelor of Music (Emphases in Performance, Theory, Composition, or Jazz Studies)</b>
<b>2. Major Requirements</b>	<b>2. Major Requirements</b>
<b>Composition Emphasis (90 hours)</b>	<b>Composition Emphasis (90 hours)</b>
MUSC 115, 116, 117, 118, 215, 216, 217, 218 (16 hours) MUSC 353, 354, and 455 (9 hours) Applied music courses (12 hours) MUSC 100, 100L (1 hour) Music history and literature electives (3 hours) Conducting (2 hours) MUSC 316, 416 (6 hours) MUSC 515, 518 or 525, and 529 or 530 (9 hours) MUSC 336 and <del>539</del> (6 hours) MUSC 516 (12 hours) Ensembles (8 hours) Electives (6 hours; MUED 155, 156, or demonstration of piano proficiency is required)	MUSC 115, 116, 117, 118, 215, 216, 217, 218 (16 hours) MUSC 353, 354, and 455 (9 hours) Applied music courses (12 hours) MUSC 100, 100L (1 hour) Music history and literature electives (3 hours) Conducting (2 hours) MUSC 316, 416 (6 hours) MUSC 515, 518 or 525, and 529 or 530 (9 hours) MUSC 336 and <b>540</b> (6 hours) MUSC 516 (12 hours) Ensembles (8 hours) Electives (6 hours; MUED 155, 156, or demonstration of piano proficiency is required)

## 7. ARNOLD SCHOOL OF PUBLIC HEALTH

### **New course**

**PUBH 499** Foundations of Public Health Leadership. (3) An introduction to core principles in public health leadership. Areas included are ethics, public health issues, communication issues, leadership competencies and leadership values.

### **A. Department of Environmental Health Sciences**

#### **Change in prerequisite**

From: ENHS 661 Parasitology. [=BIOL 531 and EPID 661] (4) (Prereq: BIOL 460 or consent of instructor)

To: ENHS 661 Parasitology. [=BIOL 531 and EPIC 661] (4) (Prereq: 300 level Biology course or equivalent)

## **B. Department of Epidemiology and Biostatistics**

### **New course**

EPID 410 Principles of Epidemiology. (3) (Prereq: STAT 205, PUBH 102) Introduction to descriptive and analytical epidemiology. Topics will include the distribution and determinants of disease, surveillance, outbreak investigations, measures of association, screening tests, bias, and causal reasoning.

### **Change in prerequisite**

From: EPID 661 Parasitology. [=BIOL 531 and ENHS 661] (4) (Prereq: BIOL 460 or consent of instructor)

To: EPID 661 Parasitology. [=BIOL 531 and ENHS 661] (4) (Prereq: 300 level Biology course or equivalent)

## **C. Department of Health Promotion, Education, and Behavior**

### **Change in title and description**

From: HPEB 501 Family Life and Sex Education Programs. (3) (Prereq: senior or graduate level standing or consent of instructor) Family life and sex education instruction in health education programs: issues, content, and methods.

To: HPEB 501 Human Sexuality Education. (3) (Prereq: senior or graduate level standing or consent of instructor) Planning, implementation and evaluation of effective sexuality education programs. Includes strategies for educating about a variety of sexuality topics (e.g., reproductive biology, relationships, HIV/AIDS, sexual orientation, pregnancy, childbirth, and parenting).

### **New course**

HPEB 627 Lesbian, Gay, Bisexual and Transgender (LGBT) Health. (3) (Prereq: Graduate standing or upper-level (junior or senior) undergraduate standing) Health status and concerns of lesbian, gay, bisexual and transgender communities. Includes an examination of measurement issues and methodological considerations in research, as well as intervention efforts targeting LGBT populations.

**Restricted to: Graduate students or upper-level (junior or senior) undergraduate students.**

**Excluded: First or second year undergraduates.**

**Special permission required by professor.**

## **D. Department of Health Services Policy and Management**

**New course**

HSPM 401 Independent Study. (3) (Prereq: permission of instructor)  
Enrollment and topic to be approved in advance by advisor and instructor.

**Restricted to: Senior year undergraduate**

HSPM 509 Fundamentals of Rural Health. (3) Overview of the delivery and financing of health care in the rural U.S., with emphasis on vulnerable rural populations and access to care.

HSPM 513 Issues in Health Care Information Management. (3) (Prereq: HSPM 500) An introduction to data management in healthcare institutions for undergraduate students and non-HSPM major graduate students. Topics include the nature of medical data, legal protections surrounding such information, and basis strategies for managing information technology resources.

**8. COLLEGE OF SOCIAL WORK**

**New course**

SOWK 331 Social Work with Diverse and Oppressed Populations. (3) Builds cultural competency through awareness, understanding, and skill necessary for proactive functioning in our diverse society with populations considered vulnerable and oppressed.