REPORT: COMMITTEE ON CURRICULA AND COURSES
(For consideration by the Faculty Senate at its April 27, 2010 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 Jennifer Vendemia (Psychology) in advance of Faculty Senate meeting if errors are noted, either by phone: 777-6738 or e-mail: Vendemia@mailbox.sc.edu.

1. COLLEGE OF ARTS AND SCIENCES

A. Department of Art

Change in description
From: MART 371 The Moving Image. (3) Advanced communicative elements of moving images including editing patterns and the grammar of film and video. (Prereq: MART 210)
To: MART 371 The Moving Image. (3) Introduction to the theory and practice of motion picture production. (Prereq: MART 210)

Change in description and description
From: MART 210 Digital Media Arts Fundamentals. (3) Introduction to the theory and practice of image and sound capture, sequencing, and processing, for photo, video, and Web. (Prereq: MART 110)
To: MART 210 Digital Media Arts Fundamentals. (3) Introduction to theory and practice of origination, sequencing, and processing of screen-based and related media art.

Change in title and description
From: MART 321 Writing for Media. (3) Role and preparation of story boards, treatments, and scripts for various forms of media production.
To: MART 321 Media Writing. (3) Storytelling forms and formats for screen-based and related media arts.

From: MART 341 Introduction to Audio Art. (3) Theoretical, artistic, and historical conceptualization of audio as independent art form. Production skills include recording, editing, processing, and sound for film.
To: MART 341 Sound Design. (3) Aesthetic and communicative elements of audio design for screen-based and related media arts.

Change in title, description and prerequisite
From: MART 262 The Still Image. (3) Communicative elements of the still image; aesthetics, production component included. (Prereq: MART 210)
To: MART 262 Digital Imaging. (3) Aesthetic and communicative elements of the production of digital images, including capture, processing, and output.

From: MART 380 Web Media Arts. (3) An introduction to the design, development, and implementation of Web-based media, including current technologies and design issues related to the development of Web sites. (Prereq: MART 210)

To: MART 380 New Media Art. (3) Introduction to the design and development of new media art, including internet-based art, media performance, installation, and interactivity. (Prereq: MART 210 or ARTS 102)

From: MART 521 Screenwriting. (3) Elements of style and construction of script formats with emphasis on film and dramatic styles. (Prereq: MART 110, 321)

To: MART 521 Media Writing Advanced. (3) Advanced study of media storytelling. Content varies with suffix: A, Screenwriting; B, Feature Film; C, Manga and Anime; D, Television Writing. May be repeated as content varies by suffix up to 3 times. (Prereq: MART 321)

From: MART 571 Multi-Camera Video Production. (3) Theory and practice of studio video production, editing, and Webcasting. (Prereq: MART 210, 341, 371, or consent of instructor)

To: MART 571 Moving Image Advanced. (3) Advanced motion picture production. Content varies with suffix: A, Narrative; B, Documentary; C, Animation; D, Experimental; E, Cinematography; F, Sound for Motion Picture. May be repeated as content varies by suffix up to 3 times. (Prereq: MART 371)

From: MART 581 Interactive Computer Media Arts. (3) Theory and practice of the creative and development processes of fixed media - CD Rom, DVD, and kiosks. (Prereq: MART 380 or consent of instructor)

To: MART 581 New Media Advanced. (3) Advanced new media art and practice. Content varies with suffix: A, Site-based and Installation Art; B, Mobile Platforms; C, Media Performance; D, Video Game Design; E, Sound Art. May be repeated as content varies by suffix up to 3 times. (Prereq: MART 380)

Deletion
MART 302 Producing for Media Arts (3)
MART 365 Lighting for Media Arts. (3)
MART 522 Writing for Corporate Media. (3)
MART 541 Advanced Audio Art. (3)
MART 542 Principles of Sound Use for Media. (3)
MART 551 16 mm. Filmmaking. (3)
MART 552 Narrative Production. (3)
MART 553 Documentary Production. (3)
MART 561 Advanced Black and White Photography. (3)
MART 562 Advanced Photography Color Process. (3)
MART 572 Single Camera Video Production. (3)
MART 582  Interface Design for Media Arts. (3)
MART 583  Animation. (3)

Curriculum change. Website 2009-2010 Bulletin – Media Arts Major

<table>
<thead>
<tr>
<th>Current</th>
<th>Proposed</th>
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<tbody>
<tr>
<td><strong>4. Major</strong></td>
<td><strong>4. Major (30 hours)</strong></td>
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<td><em>(C or better required)</em></td>
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<td><strong>Core Requirements (15 Hours)</strong></td>
<td><strong>Core Requirements (12 Hours)</strong></td>
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<tr>
<td>● MART 110 - Introduction to Media Arts</td>
<td>● MART 110 - Introduction to Media Arts</td>
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<td>● MART 201 - Introduction to Media Development</td>
<td>● MART 201 - Introduction to Media Development</td>
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<td>● MART 210 - Digital Media Arts Fundamentals</td>
<td>● MART 210 - Digital Media Arts Fundamentals</td>
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<td>● MART 321 - Writing for Media</td>
<td>● MART 499 - Internship in Media Arts</td>
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<td>● MART 262 - The Still Image</td>
<td>● MART 262 - Digital Imaging</td>
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<td>● MART 302 - Producing for Media Arts</td>
<td>● MART 321 - Media Writing</td>
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<td>● MART 341 - Introduction to Audio Art</td>
<td>● MART 341 - Sound Design</td>
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<td>● MART 365 - Lighting for Media Arts</td>
<td>● MART 371 - The Moving Image</td>
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<td>● MART 371 - The Moving Image</td>
<td>● MART 380 - New Media Art</td>
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<td>● MART 380 - Web Media Arts</td>
<td>● ARTS 261 - Photography</td>
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<td>● MART 521 - Screenwriting</td>
<td>● MART 495 - Media Arts Research Seminar</td>
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<td>● MART 522 - Writing for Corporate Media</td>
<td>● MART 521 - Media Writing Advanced</td>
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<tr>
<td>● MART 541 - Advanced Audio Art</td>
<td>● MART 571 - Moving Image Advanced</td>
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<tr>
<td>● MART 542 - Principles of Sound Use for Media</td>
<td>● MART 581 - New Media Advanced</td>
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<td>● MART 551 - 16 mm. Filmmaking</td>
<td>● MART 590 - Special Topics in Media Arts</td>
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<td>● MART 552 - Narrative Production</td>
<td>● ARTS 560 - Photography</td>
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<tr>
<td>● MART 553 - Documentary Production</td>
<td>● ARTS 561 - Photography II</td>
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<td>● MART 561 - Advanced Black and White Photography</td>
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<tr>
<td>● MART 562 - Advanced Photography Color Processes</td>
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<tr>
<td>● MART 571 - Multi-Camera Video Production</td>
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<tr>
<td>● MART 572 - Single Camera Video Production</td>
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<tr>
<td>● MART 581 - Interactive Computer Media Arts</td>
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<tr>
<td>● MART 582 - Interface Design for Media Arts</td>
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<td>● MART 583 - Animation</td>
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<td>● ARTH 365 - History of Cinema I</td>
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<tr>
<td>● ARTH 366 - History of Cinema II</td>
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<tr>
<td>ARTH 569 - Topics in Film History</td>
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<td>ARTH 569 - Topics in Film History</td>
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Curriculum change. Website 2009-2010 Bulletin – Media Arts Minor

<table>
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<tr>
<th>Current</th>
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<tbody>
<tr>
<td><strong>Media Arts Minor</strong></td>
<td><strong>Media Arts Minor</strong></td>
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<tr>
<td>Students must complete courses with a grade of “C” or higher.</td>
<td>Students must complete courses with a grade of “C” or higher.</td>
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<tr>
<td><strong>Required Courses (6 Hours)</strong></td>
<td><strong>Required Courses (6 Hours)</strong></td>
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<tr>
<td>● MART 110 - Introduction to Media Arts</td>
<td>● MART 110 - Introduction to Media Arts</td>
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</table>
| 15
B. Department of Economics

New course
ECON 555  Game Theory in Economics. (3) Game theory as used to understand decision making in business, economics, politics and other real-world environments. Topics covered include: basic terminology; strategic, extensive, and combinatorial models; and equilibrium strategy.

C. Department of History

Addition of Distance Education Delivery to Existing Course
HIST 407  History of the United States Since 1945. (3)

D. Department of Languages, Literatures, and Cultures

Curriculum change. Website 2009-2010 Bulletin – termination of Italian Major

Current

Italian Major (27 Hours)

- Select 27 hours from ITAL 300 or above.

Proposed

Addition of Distance Education Delivery to Existing Course
RUSS J201  Intermediate Russian I. (3)
RUSS J202  Intermediate Russian II. (3)

E. Department of Physics & Astronomy

Change in title and description
From: PHYS 501  Modern Physics. (3) Special relativity, high energy physics, and cosmology. (Prereq: a grade of C or better in PHYS 307 and MATH 242)
To: PHYS 501  Quantum Physics I. (3) A self-contained treatment of quantum theory and its applications, beginning with the Schrodinger equation. (Prereq: a grade of C or better in PHYS 307 and MATH 242)

Change in title, description and prerequisite
From: PHYS 502  Quantum Physics. (3) A self-contained treatment of quantum theory and
its applications, beginning with the Schrodinger equation. (Prereq: a grade of C or better in PHYS 307 and MATH 242)

To: PHYS 502  Quantum Physics II. (3) (Prereq: PHYS 501) Advanced topics in quantum physics, plus topics in special relativity, high-energy physics, and cosmology.

F. Department of Political Science

Addition of Distance Education Delivery to Existing Course
POLI 370  Introduction to Public Administration. (3)
POLI J374  Public Policy. (3)

G. Department of Psychology

Addition of Distance Education Delivery to Existing Course
PSYC 350  Industrial Psychology. (3)

H. Department of Religious Studies

Change in description
From: RELG 302  New Testament. (3) A historical and critical study of the origin, structure, and transmission of the New Testament writings and their meaning in the life and thought of the early Church; emphasis is placed on the life, teaching, and significance of Jesus and Paul–both for their day and for ours.

To: RELG 302  New Testament. (3) The formation of Christianity, including the writings preserved in the anthology now known as the New Testament. The cultural and historical contexts of the beginnings of Christianity will be considered through comparison with the popular religious, cultural, and philosophical views of the time.

New courses
RELG 376  Holy Women. [=WGST 376] (3) Holy women from various periods and religious traditions, and how they demonstrate the different ways communities understand ideas of holiness, from piety, martyrdom, monasticism and mysticism to social action.

RELG 385  Jewish Messianism. (3) Biblical conceptions of messianism and central representatives from antiquity to today.

RELG 386  Jews and Christians. (3) Relationship between Jews and Christians, characterized by both conflict and mutual gain and conflicting claims, with focus on cultural, social, and economic conditions that shaped the encounter.
I. Women’s and Gender Studies - Program

**New course**
WGST 298  Issues in Women’s and Gender Studies. (1-3) Course content varies and will be announced in the schedule of courses by suffix and title. May be repeated as content varies by suffix.

WGST 376  Holy Women. [=RELG 376] (3) Holy women from various periods and religious traditions, and how they demonstrate the different ways communities understand ideas of holiness, from piety, martyrdom, monasticism and mysticism to social action.

WGST 598  Special Topics in Women’s & Gender Studies. (3) Course content varies and will be announced in the schedule of courses by suffix and title. May be repeated as content varies by suffix.

2. MOORE SCHOOL OF BUSINESS

A. Economics

**New course**
ECON 555  Game Theory in Economics. (3) Game theory as used to understand decision making in business, economics, politics and other real-world environments. Topics covered include: basic terminology; strategic, extensive, and combinatorial models; and equilibrium strategy.

B. Management

**Addition of Distance Education Delivery to Existing Course**
MGMT 401  Negotiation and Conflict in the Workplace. (3)

C. Management Science

**Addition of Distance Education Delivery to Existing Course**
MGSC 290  Computer Information Systems in Business. (3)

3. COLLEGE OF ENGINEERING AND COMPUTING

**Curriculum change. Website 2009-2010 Bulletin – Bachelor of Science in Engineering**

<table>
<thead>
<tr>
<th>Current</th>
<th>Proposed</th>
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<tbody>
<tr>
<td>Engineering Science, B.S.</td>
<td>Engineering Science, B.S.</td>
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<tr>
<td><em>Degree Requirements (429 Hours)</em></td>
<td><em>Degree Requirements (128 Hours)</em></td>
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<tr>
<td>9 Hours</td>
<td>9 Hours</td>
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</tbody>
</table>
## ENGL 101 - Critical Reading and Composition

## ENGL 102 - Rhetoric and Composition

**Select one of the following:**
- ENGL 462 - Technical Writing
- ENGL 463 - Business Writing

### Liberal Arts (9 Hours)

**14 Hours**
- MATH 141 - Calculus I
- MATH 142 - Calculus II
- MATH 241 - Vector Calculus
- MATH 242 - Elementary Differential Equations

**3 Hours**
- STAT 509 - Statistics for Engineers

**4 Hours**
- CHEM 111 - General Chemistry I

**4 Hours**
- PHYS 211 - Essentials of Physics I
- PHYS 211L - Essentials of Physics I Lab

### Science Elective (8 Hours)

Two from the following:
- CHEM 111 - General Chemistry I
- PHYS 212 - Essentials of Physics II
- PHYS 212L - Essentials of Physics II Lab
- BIOL 101 - Biological Principles I
- BIOL 101L - Biological Principles I Laboratory
- BIOL 102 - Biological Principles II
- BIOL 102L - Biological Principles II Laboratory

**4 Hours**
- CSCE 145 - Algorithmic Design I

**6 Hours**
- ELCT 102 - Electrical Science
- ELCT 221 - Circuits

**3 Hours**
- ECHE 300 - Chemical Process Principles

**20 Hours**
- ENCP 101 - Introduction to Engineering I
- ENCP 105 - Professional Development and

## ENGL 101 - Critical Reading and Composition

## ENGL 102 - Rhetoric and Composition

**Select one of the following:**
- ENGL 462 - Technical Writing
- ENGL 463 - Business Writing

### Liberal Arts (9 Hours)

**14 Hours**
- MATH 141 - Calculus I
- MATH 142 - Calculus II
- MATH 241 - Vector Calculus
- MATH 242 - Elementary Differential Equations

**3 Hours**
- STAT 509 - Statistics for Engineers

**4 Hours**
- CHEM 111 - General Chemistry I

**4 Hours**
- PHYS 211/L - Essentials of Physics I/Lab

### Science Elective (8 Hours)

Two from the following:
- CHEM 112 - General Chemistry II
- PHYS 212/L - Essentials of Physics II/Lab
- BIOL 101/L - Biological Principles I/Lab
- BIOL 102/L - Biological Principles II/Lab

**4 Hours**
- CSCE 145 - Algorithmic Design I

**6 Hours**
- ELCT 102 - Electrical Science
- ELCT 221 - Circuits

**3 Hours**
- ECHE 300 - Chemical Process Principles

**19 Hours**
- ENCP 101 - Introduction to Engineering I
### Ethics in Engineering and Computing
- ENCP 200 - Statics
- ENCP 201 - Introduction to Applied Numerical Methods
- ENCP 290 - Thermodynamic Fundamentals
- ENCP 481 - Project Management
- ENCP 491 - Capstone Design Project I
- ENCP 492 - Capstone Design Project II

### Engineering Electives (30 Hours)

### Focus Area Electives (15 Hours)

### Notes:

1. The liberal arts courses must include at least one history course, one fine arts course, and one social science course. The College maintains a list of approved history, fine arts, and social science electives.

2. 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.

3. 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.

### A. Department of Mechanical Engineering

**New course**

<table>
<thead>
<tr>
<th>EMCH 562</th>
<th>Micro/nanofluidics and Lab-on-a-Chip. (3) Basic fluid mechanics, capillary, drop and micro/nanoparticle, electrokinetics; Micropump, mixer, preconcentrator, electrophoresis, microactuator and particle manipulator; Sensors for pressure, velocity, concentration, temperature in environmental monitoring/biodefence, clinical diagnostics, drug discovery/delivery. (Prereq: CHEM 112/L, PHYS 212)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Restricted to:</strong></td>
<td>Upper division</td>
</tr>
<tr>
<td><strong>Request:</strong></td>
<td>Distance Education Delivery</td>
</tr>
</tbody>
</table>

| EMCH 576 | Fundamentals and Applications of Fuel Cells. (3) Study of fuel cell principles, fuel cell characterization, characteristics of the major types of fuel cells, fuel cell and stack components, fuel cell stack and system |

**Attachment 1.**
design, fuel cell applications in portable, transportation, and stationary areas, as well as the current status and future research focus of fuel cells.
(Prereq: EMCH 290 and 371)
Restricted to: Upper division
Request: Distance Education Delivery

4. COLLEGE OF HOSPITALITY, RETAIL, AND SPORT MANAGEMENT

A. Department of Hotel, Restaurant, and Tourism Management

Addition of Distance Education Delivery to Existing Course
HRTM J110  Introduction to the Hospitality Industry. (3)

B. Department of Sport and Entertainment Management

Addition of Distance Education Delivery to Existing Course
SPTE J110  Sport in American Life. (3)

5. SCHOOL OF MUSIC

New course
MUSC 203  Basic Guitar II. (2) A continuation of MUSC 103 in which students learn to play the guitar as both a solo and an accompanying instrument. One class meeting and one private lesson per week. (Prereq: MUSC 103)

6. ARNOLD SCHOOL OF PUBLIC HEALTH

A. Department of Exercise Science

Curriculum change. Website 2009-2010 Bulletin – Exercise Science

<table>
<thead>
<tr>
<th>Current</th>
<th>Proposed</th>
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<tbody>
<tr>
<td>Degree Requirements</td>
<td>Degree Requirements</td>
</tr>
<tr>
<td>General Education Requirements (54 hours)</td>
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<tr>
<td>Language Arts (9 Hours):</td>
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<td>ENGL 101 - Critical Reading and Composition</td>
<td>ENGL 101 - Critical Reading and Composition</td>
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<td>ENGL 102 - Rhetoric and Composition</td>
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<td>SPCH 140 - Public Communication</td>
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<td>ENGL 285 - Themes in American Writing</td>
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<tr>
<td>ENGL 287 - American Literature</td>
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<tr>
<td>ENGL 288 - English Literature I</td>
<td>ENGL 288 - English Literature I</td>
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<td>ENGL 289 - English Literature II</td>
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<td>Natural Sciences (20 Hours):</td>
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<td>BIOL 101 - Biological Principles I</td>
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<td>BIOL 101L - Biological Principles I Laboratory</td>
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<td>BIOL 102 - Biological Principles II</td>
<td>BIOL 102 - Biological Principles II</td>
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<td>BIOL 102L - Biological Principles II Laboratory</td>
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<td>CHEM 111 - General Chemistry I</td>
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<td>PHYS 201 - General Physics I</td>
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<td>STAT 201 - Elementary Statistics</td>
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<td>ARTE 360 - Interdisciplinary Relationships in the Arts</td>
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<td>CSCE 102 - General Applications Programming</td>
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<td>PSYC 101 - Introduction to Psychology</td>
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<td>SOCY 101 - Introductory Sociology</td>
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<td>Plus an additional social science elective</td>
<td>Plus an additional social science elective</td>
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<td>Foreign Languages:</td>
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<td>Demonstration of proficiency in one foreign language equivalent to the minimal passing grade in the 110 course.</td>
<td>Demonstration of proficiency in one foreign language equivalent to the minimal passing grade in the 110 course.</td>
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<td>Exercise Science Core Requirements (21 Hours)</td>
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<td>UNIV 101 - The Student in the University</td>
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<td>EXSC 191 - Physical Activity and Health</td>
<td>EXSC 191 - Physical Activity and Health</td>
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<td>EXSC 223 - Anatomy and Physiology I</td>
<td>EXSC 223 - Anatomy and Physiology I</td>
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<td>EXSC 224 - Anatomy and Physiology II</td>
<td>EXSC 224 - Anatomy and Physiology II</td>
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<td>EXSC 351 - Acquisition of Motor Skills</td>
<td>EXSC 351 - Acquisition of Motor Skills</td>
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<td>EXSC 530 - The Physiology of Muscular Activity</td>
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<td>EXSC 530L - Physiology of Muscular Activity Lab</td>
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<td>First aid certificate</td>
<td>EPID 410 - Introduction to Epidemiology</td>
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<td>Cognate Requirements</td>
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<td>Select one of the following cognates: Health Fitness, Motor Development, Scientific Foundations, Public Health.</td>
<td>Select one of the following cognates: Health Fitness, Motor Development, Scientific Foundations, Public Health.</td>
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<tr>
<td>Health Fitness (45 Hours)</td>
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<tr>
<td>EXSC 531 - Clinical Exercise Physiology</td>
<td>EXSC 531 - Clinical Exercise Physiology</td>
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<tr>
<td>HPEB 502 or EXSC 507</td>
<td>HPEB 502 or EXSC 507</td>
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<tr>
<td>EXSC 341A - Health Fitness Practicum</td>
<td>EXSC 341A - Health Fitness Practicum</td>
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<tr>
<td>EXSC 481 - Practicum in Community Fitness Programs</td>
<td>EXSC 481 - Practicum in Community Fitness Programs</td>
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<tr>
<td>Selectives* (45 Hours)</td>
<td>EXSC 454 - Health/Fitness Programs</td>
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<td>Electives** (44 Hours)</td>
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</table>
Motor Development (45 Hours)
EXSC 303 - Perceptual-Motor Development
EXSC 342A - Practicum in Life-Span Motor Development
EXSC 342B - Practicum in Life-Span Motor Development
EXSC 482 - Internship in Life-Span Motor Development
EXSC 563 - Physical Activity and the Physical Dimensions of Aging
Selectives* (15 Hours)
Electives** (45 Hours)

Scientific Foundations (47 Hours)
BIOL 302 - Cell and Molecular Biology
BIOL 302L - Cell and Molecular Biology Laboratory
PHYS 202 - General Physics II
PHYS 202L - General Physics Laboratory II
CHEM 112 - General Chemistry II
CHEM 333 - Organic Chemistry I
CHEM 333L - Comprehensive Organic Chemistry Laboratory I
CHEM 334 - Organic Chemistry II
CHEM 334L - Comprehensive Organic Chemistry Laboratory II
EXSC 499 - Independent Study
Selectives* (11 Hours)
Electives** (44 Hours)

Public Health (45 Hours)
EXSC 410 - Psychology of Physical Activity
POLI 374 - Public Policy
PSYC 465 - Health Psychology
Selectives*
Electives** (15 Hours)

Electives** (12 Hours)

Motor Development (43 Hours)
EXSC 303 - Perceptual-Motor Development
EXSC 342A - Practicum in Life-Span Motor Development
EXSC 342B - Practicum in Life-Span Motor Development
EXSC 482 - Internship in Life-Span Motor Development
EXSC 563 - Physical Activity and the Physical Dimensions of Aging
Selectives* (15 Hours)
Electives** (11 Hours)

Scientific Foundations (44 Hours)
BIOL 302 - Cell and Molecular Biology
BIOL 302L - Cell and Molecular Biology Laboratory
PHYS 202 - General Physics II
PHYS 202L - General Physics Laboratory II
CHEM 112 - General Chemistry II
CHEM 333 - Organic Chemistry I
CHEM 333L - Comprehensive Organic Chemistry Laboratory I
CHEM 334 - Organic Chemistry II
CHEM 334L - Comprehensive Organic Chemistry Laboratory II
EXSC 499 - Independent Study
Selectives* (11 Hours)
Electives** (8 Hours)

Public Health (42 Hours)
EXSC 410 - Psychology of Physical Activity
POLI 374 - Public Policy
PSYC 465 - Health Psychology
Selectives*
Electives** (12 Hours)

B. Department of Health Promotion, Education, and Behavior

Addition of Distance Education Delivery to Existing Course
HPEB J321 Personal and Community Health. (3)

7. SYSTEM AFFAIRS AND EXTENDED UNIVERSITY

Palmetto Programs

Change in prerequisite
From: PALM 494 Internship. (3) (Prereq: Junior standing)
To: PALM 494 Internship. (3) (Prereq: Completion of PALM 493 with a grade of C or better)