

**Attachment 1**  
Consent agenda Information  
Academic Affairs items

**College of Human Ecology (2-12-13)**

Pages 2-18

**Non-Expedited UNDERGRADUATE Curriculum Change Proposals**

**College of Human Ecology**

<b>CHANGE FROM:</b>	<b>CHANGE TO:</b>																																				
<p><b>Degree Programs</b> All undergraduate programs of study lead to a bachelor of science degree.</p> <p>Entering students who have not yet decided on their major in the College of Human Ecology may request initial admission to human ecology, undeclared (HEUN).</p> <p><b>General Requirements</b> <b>Bachelor of science degree</b> Each degree offered by the College of Human Ecology provides graduates with a foundation for professional practice and lifelong learning. Graduates from all degree programs in the college will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the interaction of people with their environments.</li> <li>• Understand roles and dynamics within family and other human systems.</li> <li>• Recognize and value diversity throughout the human experience.</li> <li>• Access, analyze, and interpret data to make informed decisions.</li> <li>• Articulate informed points of view on issues that affect individuals, families, and professional practice.</li> <li>• Apply professional knowledge to improve the lives of people.</li> <li>• Demonstrate standards of ethical conduct.</li> <li>• Assume the responsibilities of citizenship.</li> </ul> <p>See individual programs for Student Learning Outcomes.</p> <p>Basic curriculum requirements are listed below. See program descriptions for details.</p> <p><b>Program Requirements</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Course</th> <th style="text-align: left;">Course Title</th> <th style="text-align: left;">Credit Hours</th> </tr> </thead> <tbody> <tr> <td colspan="2"><b>General requirements</b></td> <td><b>34 minimum</b></td> </tr> <tr> <td colspan="2"><i>Communications</i></td> <td style="text-align: right;">8-9</td> </tr> <tr> <td>ENGL 100</td> <td>Expository Writing 1</td> <td style="text-align: right;">3</td> </tr> <tr> <td>ENGL 200</td> <td>Expository Writing 2</td> <td style="text-align: right;">3</td> </tr> <tr> <td>COMM 105</td> <td>Public Speaking IA</td> <td style="text-align: right;">2</td> </tr> </tbody> </table>	Course	Course Title	Credit Hours	<b>General requirements</b>		<b>34 minimum</b>	<i>Communications</i>		8-9	ENGL 100	Expository Writing 1	3	ENGL 200	Expository Writing 2	3	COMM 105	Public Speaking IA	2	<p><b>Degree Programs</b> All undergraduate programs of study lead to a bachelor of science degree.</p> <p>Entering students who have not yet decided on their major in the College of Human Ecology may request initial admission to human ecology, undeclared (HEUN).</p> <p><b>General Requirements</b> <b>Bachelor of science degree</b> Each degree offered by the College of Human Ecology provides graduates with a foundation for professional practice and lifelong learning. Graduates from all degree programs in the college will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the interaction of people with their environments.</li> <li>• Understand roles and dynamics within family and other human systems.</li> <li>• Recognize and value diversity throughout the human experience.</li> <li>• Access, analyze, and interpret data to make informed decisions.</li> <li>• Articulate informed points of view on issues that affect individuals, families, and professional practice.</li> <li>• Apply professional knowledge to improve the lives of people.</li> <li>• Demonstrate standards of ethical conduct.</li> <li>• Assume the responsibilities of citizenship.</li> </ul> <p>See individual programs for Student Learning Outcomes.</p> <p>Basic curriculum requirements are listed below. See program descriptions for details.</p> <p><b>Program Requirements</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Course</th> <th style="text-align: left;">Course Title</th> <th style="text-align: left;">Credit Hours</th> </tr> </thead> <tbody> <tr> <td colspan="2"><b>General requirements</b></td> <td><b>34 minimum</b></td> </tr> <tr> <td colspan="2"><i>Communications</i></td> <td style="text-align: right;">8-9</td> </tr> <tr> <td>ENGL 100</td> <td>Expository Writing 1</td> <td style="text-align: right;">3</td> </tr> <tr> <td>ENGL 200</td> <td>Expository Writing 2</td> <td style="text-align: right;">3</td> </tr> <tr> <td>COMM 105</td> <td>Public Speaking IA</td> <td style="text-align: right;">2</td> </tr> </tbody> </table>	Course	Course Title	Credit Hours	<b>General requirements</b>		<b>34 minimum</b>	<i>Communications</i>		8-9	ENGL 100	Expository Writing 1	3	ENGL 200	Expository Writing 2	3	COMM 105	Public Speaking IA	2
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<i>Quantitative studies</i> 6 MATH 100 College Algebra 3	<i>Quantitative studies</i> 6 MATH 100 College Algebra 3
	or <b>A college-level trigonometry course 3</b>
or A college-level calculus course 3 Statistics course 3	or A college-level calculus course 3 Statistics course 3
<i>Social sciences</i> 6 An economic systems course 3 A human behavior course 3	<i>Social sciences</i> 6 An economic systems course 3 A human behavior course 3
<i>Humanities*</i> 6 (Only a course of 3 credits or more will apply.)	<i>Humanities*</i> 6 (Only a course of 3 credits or more will apply.)
<i>Natural and physical sciences</i> 7 (Include at least one course with a laboratory.)*	<i>Natural and physical sciences</i> 7 (Include at least one course with a laboratory.)*
<i>Integrative Human Ecology course</i> 1 GNHE 210 Foundations of Human Ecology 1	<i>Integrative Human Ecology course</i> 1 GNHE 210 Foundations of Human Ecology 1
<b>Professional Studies 36 or more</b> A minimum of 30 hours must be in human ecology or equivalent courses. (See specific option/program.)	<b>Professional Studies 36 or more</b> A minimum of 30 hours must be in human ecology or equivalent courses. (See specific option/program.)
<b>Unrestricted electives</b> (See specific option/program.)	<b>Unrestricted electives</b> (See specific option/program.)
<b>Total hours for graduation 120 or more</b> *A listing of categories of courses applicable toward the general studies requirements for human ecology programs is available from the college dean's office.	<b>Total hours for graduation 120 or more</b> *A listing of categories of courses applicable toward the general studies requirements for human ecology programs is available from the college dean's office.
<b>Grade requirement</b> Grades of C or higher are required in all professional studies and supporting courses in College of Human Ecology degree programs.	<b>Grade requirement</b> Grades of C or higher are required in all professional studies and supporting courses in College of Human Ecology degree programs.
<b>Transfer courses</b> Careful planning enables students to transfer courses from another college or university that will apply toward specific degree requirements at K-State. Transfer equivalency information for courses offered by post-secondary institutions in Kansas and elsewhere is available from the K-State Admissions Office. For institutions or courses not listed and other transfer questions, contact the <a href="#">College of Human Ecology Dean's Office</a> .	<b>Transfer courses</b> Careful planning enables students to transfer courses from another college or university that will apply toward specific degree requirements at K-State. Transfer equivalency information for courses offered by post-secondary institutions in Kansas and elsewhere is available from the K-State Admissions Office. For institutions or courses not listed and other transfer questions, contact the <a href="#">College of Human Ecology Dean's Office</a> .

**Rationale:** The College of Human Ecology proposes to expand MATH options in general requirements/quantitative studies by adding the option of “a college-level trigonometry course” to the current options of “MATH 100 College Algebra or a college-level calculus course” required in all BS degree programs in the College of Human Ecology. This will enable students who can bypass MATH 100 to complete a college-level trigonometry course to meet the College’s minimum requirement for math.

**Impact (i.e. if this impacts another unit):** Minimal impact on MATH 100, trigonometry and calculus course enrollment is anticipated. Currently, only the Nutritional Sciences degree program requires a math course above MATH 100. If other programs in the college wish to modify their programs to add trigonometry as an option, consultation with the math department will be required. Dr. Louis Pigno, professor and head of the Math Department, recommends approval of the proposal.

**Effective:** Fall 2013

**Department of Apparel, Textiles and Interior Design**

<b>CHANGE FROM:</b>	<b>CHANGE TO:</b>
<p><b>Apparel and Textiles (B.S.)</b></p> <hr/> <p><b>General Requirements (41-42 credit hours)</b></p> <hr/> <p><b>Communications (8-9 credit hours)</b></p> <hr/> <p>COMM 105 - Public Speaking IA Credits: (2) or COMM 106 - Public Speaking I Credits: (3) ENGL 100 - Expository Writing I Credits: (3) ENGL 200 - Expository Writing II Credits: (3)</p> <hr/> <p><b>Quantitative Studies (7 credit hours)</b></p> <hr/> <p>CIS 102 - Introduction to Spreadsheet Applications Credits: (1) MATH 100 - College Algebra Credits: (3) STAT 325 - Introduction to Statistics Credits: (3) or STAT 350 - Business and Economic Statistics I Credits: (3)</p> <hr/> <p><b>Social Sciences (12 credit hours)</b></p> <hr/> <p>ECON 110 - Principles of Macroeconomics Credits: (3) PSYCH 110 - General Psychology Credits: (3) SOCIO 211 - Introduction to Sociology Credits: (3) SOCIO 363 – Global Problems: (3)</p> <hr/> <p><b>Humanities (6 credit hours)</b> <i>(Only a course of 3 credits or more will apply.)</i></p> <hr/> <p>History elective Credits: (3) Humanities elective Credits: (3)</p>	<p><b>Apparel and Textiles (B.S.)</b></p> <hr/> <p><b>General Requirements (41-42 credit hours)</b></p> <hr/> <p><b>Communications (8-9 credit hours)</b></p> <hr/> <p>COMM 105 - Public Speaking IA Credits: (2) or COMM 106 - Public Speaking I Credits: (3) ENGL 100 - Expository Writing I Credits: (3) ENGL 200 - Expository Writing II Credits: (3)</p> <hr/> <p><b>Quantitative Studies (7 credit hours)</b></p> <hr/> <p>CIS 102 - Introduction to Spreadsheet Applications Credits: (1) MATH 100 - College Algebra Credits: (3) STAT 325 - Introduction to Statistics Credits: (3) or STAT 350 - Business and Economic Statistics I Credits: (3)</p> <hr/> <p><b>Social Sciences (12 credit hours)</b></p> <hr/> <p>ECON 110 - Principles of Macroeconomics Credits: (3) PSYCH 110 - General Psychology Credits: (3) SOCIO 211 - Introduction to Sociology Credits: (3) SOCIO 363 – Global Problems: (3)</p> <hr/> <p><b>Humanities (6 credit hours)</b> <i>(Only a course of 3 credits or more will apply.)</i></p> <hr/> <p>History elective Credits: (3) Humanities elective Credits: (3)</p>

**Natural and Physical Sciences (7 credit hours)**

Include natural sciences elective. **Must include a laboratory.**

**Life Science elective Credits: (3-4)**

**Physical Science elective Credits: (3-4)**

**Integrative Human Ecology Course (1 credit hour)**

GNHE 210 – Foundations of Human Ecology: (1)

**Professional Studies (71-74 credit hours)****Apparel and Textiles Core Courses (35 credit hours)**

AT 110 - Apparel and Textiles Orientation Credits: (1)  
 AT 245 - Apparel and Textile Industry Credits: (3)  
 AT 265 - Textiles Credits: (3)  
 AT 330 - Apparel Consumers and Society Credits: (3)  
 AT 340 - Aesthetics of Apparel and Textiles Credits: (3)  
 AT 430 - History of Apparel Fashion: Renaissance to Present Credits: (3)  
 AT 445 - Professional Development Credits: (3)  
 AT 460 - Apparel and Textile Evaluation Credits: (3)  
 AT 545 - Global Apparel and Textile Production and Distribution Credits: (3)  
 AT 550 - Apparel and Textile Internship Credits: (4)  
 AT 575 - Principles of Forecasting Credits: (3)  
 AT 645 - Private Label Apparel Product Development Credits: (3)

**Choose one or both of the specializations in:**

Apparel Design and Production or Apparel Marketing. Consult the Departmental website for advancement criteria for the ADP specialization.

**Specialization in Apparel Design and Production (39 credit hours)**

Advancement to the ADP specialization is selective and based on performance criteria.

ART 100 - 2- Dimensional Design Credits: (3)  
 ART 190 - Drawing I Credits: (3)  
 ART 195 - Survey of Art History I Credits: (3)  
 ART 196 - Survey of Art History II Credits: (3)  
 ART 200 - 3- Dimensional Design Credits: (3)  
 AT 300 - Apparel Production I Credits: (3)  
 AT 400 - Fashion Illustration Credits: (3)  
 AT 410 - Apparel Production II Credits: (3)  
 AT 610 - Computer-Aided Design of Apparel Credits: (3)  
 AT 655 - Apparel Pattern Development I Credits: (3)  
 AT 670 - Apparel Pre-Production Processes Credits: (3)  
 AT 695 - Apparel Pattern Development II Credits: (3)

Select one Art History course from the following:

ART 545 - Twentieth Century Art History I Credits: (3)  
 ART 550 - Twentieth Century Art History II Credits: (3)  
 ART 602 - Twentieth Century Art History III Credits: (3)  
 ART 603 - Twentieth Century Art History IV Credits: (3)

**Specialization in Apparel Marketing (36 credit hours)****Natural and Physical Sciences (7 credit hours)**

Include natural sciences elective.

**Science elective credit: (3)**

**GEOG 221 - Introductory Physical Geography: Credits: (4)**

**Integrative Human Ecology Course (1 credit hour)**

GNHE 210 – Foundations of Human Ecology: (1)

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**Specialization in Apparel Marketing (36 credit hours)**

ACCTG 231 - Accounting for Business Operations Credits: (3) AT 325 - Apparel and Textile Retailing Credits: (3) AT 576 - Principles of Buying Credits: (3) AT 675 - Computer Technologies for Merchandising Credits: (3) ECON 120 - Principles of Microeconomics Credits: (3) MANGT 420 - Management Concepts Credits: (3) MKTG 400 - Introduction to Marketing Credits: (3) MKTG 450 – Consumer Behavior: (3)	ACCTG 231 - Accounting for Business Operations Credits: (3) AT 325 - Apparel and Textile Retailing Credits: (3) AT 576 - Principles of Buying Credits: (3) AT 675 - Computer Technologies for Merchandising Credits: (3) ECON 120 - Principles of Microeconomics Credits: (3) MANGT 420 - Management Concepts Credits: (3) MKTG 400 - Introduction to Marketing Credits: (3) MKTG 450 – Consumer Behavior: (3)
<b>In addition, select 12 credits from the following:</b>	<b>In addition, select 12 credits from the following:</b>
<hr/> ACCTG 241 - Accounting for Investing and Financing Credits: (3) ECON 520 - Intermediate Microeconomics Credits: (3) FINAN 450 - Principles of Finance-Salina campus Credits: (3) MANGT 520 - Organizational Behavior Credits: (3) MANGT 531 - Human Resources Management Credits: (3) or PSYCH 560 - Industrial Psychology Credits: (3) MC 120 - Principles of Advertising Credits: (3) MC 180 - Fundamentals of Public Relations Credits: (3) MKTG 542 - Professional Selling Credits: (3) MKTG 544 - International Marketing Credits: (3) MKTG 545 - Marketing Channels Credits: (3) MKTG 635 - Electronic Marketing Credits: (3) PSYCH 425 - Problem Solving and Decision Making Credits: (3) Modern Languages Credits: (3-6) Apparel and Textiles elective Credits: (1-6)	<hr/> ACCTG 241 - Accounting for Investing and Financing Credits: (3) ECON 520 - Intermediate Microeconomics Credits: (3) FINAN 450 - Principles of Finance-Salina campus Credits: (3) MANGT 520 - Organizational Behavior Credits: (3) MANGT 531 - Human Resources Management Credits: (3) or PSYCH 560 - Industrial Psychology Credits: (3) MC 120 - Principles of Advertising Credits: (3) MC 180 - Fundamentals of Public Relations Credits: (3) MKTG 542 - Professional Selling Credits: (3) MKTG 544 - International Marketing Credits: (3) MKTG 545 - Marketing Channels Credits: (3) MKTG 635 - Electronic Marketing Credits: (3) PSYCH 425 - Problem Solving and Decision Making Credits: (3) Modern Languages Credits: (3-6) Apparel and Textiles elective Credits: (1-6)
<b>Unrestricted electives (9-13 credit hours)</b>	<b>Unrestricted electives (9-13 credit hours)</b>
<hr/> <b>125 Credit Hours Required for Graduation</b>	<hr/> <b>125 Credit Hours Required for Graduation</b>

**Rationale:** Apparel and Textiles faculty have voted to add GEOG 221 as a required course under Natural Sciences given program objectives and student learning outcomes.

**Impact (i.e. if this impacts another unit):** Department of Geography. Permission has been received.

**Effective:** Fall 2013

**School of Family Studies and Human Services**

<b>CHANGE FROM:</b>	<b>CHANGE TO:</b>
<b>Conflict Analysis and Trauma Studies (CATS) Minor</b>	<b>Conflict Analysis and Trauma Studies (CATS) Minor</b>
<hr/> The undergraduate minor in Conflict Analysis and Trauma Studies provides a theoretical and empirical framework and model for analysis and study of trauma, violence, conflict, and their consequences. This emerging study provides students, faculty, and human service professionals the knowledge for establishing post-trauma and post-conflict reconstruction practice, research, service and policy to improve interpersonal and	<hr/> The undergraduate minor in Conflict Analysis and Trauma Studies provides a theoretical and empirical framework and model for analysis and study of trauma, violence, conflict, and their consequences. This emerging study provides students, faculty, and human service professionals the knowledge for establishing post-trauma and post-conflict reconstruction practice, research, service and policy to improve interpersonal and

<p>social systems.</p> <p><b>Program requirements (18 credit hours)</b></p> <hr/> <p><b>Core courses (required 6 credit hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• FSHS 529 - Trauma and Traumatic Stress <b>Credits:</b> (3)</li> <li>• FSHS 531 - Core Conflict Resolution <b>Credits:</b> (3)</li> </ul> <p><b>Elective courses (6 credit hours)</b></p> <hr/> <p>Choose a minimum of two courses from:</p> <ul style="list-style-type: none"> <li>• FSHS 532 - Conflict Resolution across Cultures &amp; Contexts <b>Credits:</b> (3)</li> <li>• FSHS 533 - Prevention &amp; Intervention of Violence <b>Credits:</b> (3)</li> <li>• FSHS 534 - Conflict in Organizations <b>Credits:</b> (3)</li> <li>• FSHS 535 - Divorce &amp; Child Custody Mediation <b>Credits:</b> (3)</li> <li>• FSHS 536 - Conflict and Trauma in International Settings <b>Credits:</b> (3)</li> <li>• FSHS 603 - Coping with Life Crises <b>Credits:</b> (3)</li> </ul> <p><b>Additional course options (6 credit hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• COMM 480 - Intercultural Communication <b>Credits:</b> (3)</li> <li>• COMM 542 - Relational Communication <b>Credits:</b> (3)</li> <li>• FSHS 305 – Family Violence <b>Credits:</b> (3)</li> <li>• HIST 551 - History of Family Violence <b>Credits:</b> (3)</li> <li>• POLSC 642 - International Conflict <b>Credits:</b> (3)</li> <li>• PSYCH 540 - Psychology of Women <b>Credits:</b> (3)</li> <li>• PSYCH 563 - Gender Issues in the Workplace <b>Credits:</b> (3)</li> <li>• SOCIO 363 - Global Problems <b>Credits:</b> (3)</li> </ul>	<p>social systems.</p> <p><b>Program requirements (18 credit hours)</b></p> <hr/> <p><b>Core courses (required 6 credit hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• FSHS 529 - Trauma and Traumatic Stress <b>Credits:</b> (3)</li> <li>• FSHS 531 - Core Conflict Resolution <b>Credits:</b> (3)</li> </ul> <p><b>Elective courses (6 credit hours)</b></p> <hr/> <p>Choose a minimum of two courses from:</p> <ul style="list-style-type: none"> <li>• FSHS 532 - Conflict Resolution across Cultures &amp; Contexts <b>Credits:</b> (3)</li> <li>• FSHS 533 - Prevention &amp; Intervention of Violence <b>Credits:</b> (3)</li> <li>• FSHS 534 - Conflict in Organizations <b>Credits:</b> (3)</li> <li>• FSHS 535 - Divorce &amp; Child Custody Mediation <b>Credits:</b> (3)</li> <li>• FSHS 536 - Conflict and Trauma in International Settings <b>Credits:</b> (3)</li> <li>• FSHS 603 - Coping with Life Crises <b>Credits:</b> (3)</li> </ul> <p><b>Additional course options (6 credit hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• COMM 480 - Intercultural Communication <b>Credits:</b> (3)</li> <li>• COMM 542 - Relational Communication <b>Credits:</b> (3)</li> <li>• FSHS 305 – Family Violence <b>Credits:</b> (3)</li> <li>• HIST 551 - History of Family Violence <b>Credits:</b> (3)</li> <li>• POLSC 642 - International Conflict <b>Credits:</b> (3)</li> <li>• PSYCH 540 - Psychology of Women <b>Credits:</b> (3)</li> <li>• PSYCH 563 - Gender Issues in the Workplace <b>Credits:</b> (3)</li> <li>• SOCIO 363 - Global Problems <b>Credits:</b> (3)</li> </ul>
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- SOCIO 507 - International Development and Social Change **Credits:** (3)
- SOCIO 360 – Social Problems **Credits** (3)
- THTRE 673 - Theatre for Conflict Resolution **Credits:** (3)
- WOMST 380 - Women and Global Social Change **Credits:** (3)
- WOMST 551 - The History and Politics of Family Violence **Credits:** (3)
- WOMST 560 - Women and Violence **Credits:** (3)
- Other electives or independent study options relevant to the area of conflict resolution and trauma studies (e.g., Faculty-Led International Study)

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- Other electives or independent study options relevant to the area of conflict resolution and trauma studies (e.g., Faculty-Led International Study)

No more than six (6) hours of transfer courses may be used for the CATS Minor.

#### Admission requirements

The CATS Minor is available to current K-State undergraduate students, post-baccalaureate K-State students, and non-K-State graduates of an accredited University subject to the following criteria:

- Students must submit a Minor Application Form
- The application must be approved by the CATS Minor co-chairs in order for the student to be eligible to receive the requested minor.
- Applicants must have completed all necessary graduate requirements from an accredited 4-year university.

All post-baccalaureate students will be handled through DCE. The Core and Elective courses (listed above) for the CATS Minor currently are provided both on campus and through distance delivery; courses listed under “additional course options” are available according to individual department offerings.

#### **Completion requirements**

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The minor in Conflict and Trauma Studies will be available upon completion of the eighteen (18) required credit hours. To be awarded a minor, the student (a) must not be on probation, (b) must have a cumulative GPA of 2.5 or higher on coursework applied to the minor, (c) must meet all

#### **Completion requirements**

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The minor in Conflict **Analysis** and Trauma Studies will be available upon completion of the eighteen (18) required credit hours. To be awarded a minor, the student (a) must not be on probation, (b) must have a cumulative GPA of 2.5 or higher on coursework applied to the minor, (c) must meet all



requirements of the student's major program, and (d) must be enrolled during the semester in which the minor's requirements are completed.	requirements of the student's major program, and (d) must be enrolled during the semester in which the minor's requirements are completed.

**RATIONALE:**

The changes are proposed in order to retain the Conflict analysis and Trauma Studies (CATS) minor for current KSU students and make it available by distance education to post-baccalaureate graduates of Kansas State University and other accredited Universities. We regularly receive requests from graduates with degrees from other institutions for the Minor, and currently we have to turn them away. The Undergraduate Minor in *Conflict Analysis and Trauma Studies* provides the only academic program in the nation that combines these two complementary areas. Conflict Resolution programs primarily are combined with peace and conflict studies, while the trauma studies programs are predominately in clinical mental health programs (e.g., psychiatry, psychology, social work). The CATS program bridges these two areas, providing the framework and models for social empowerment and resiliency for individuals, families, groups, and communities to heal from conflict, trauma, and crisis. CATS provides a theoretical and empirical framework and model for analysis and study of trauma, violence, conflict, and their consequences. This emerging study provides students, faculty, and human service professionals the knowledge for establishing post-trauma and post-conflict reconstruction practice, research, service, and policy to improve interpersonal and social systems. We believe that the potential interest of the CATS Minor beyond K-State has the potential to expand the reach of this program nationally.

**PROPOSED DELIVERY MECHANISM:**

The post baccalaureate K-State students and the non-K-State students taking the minor will be handled through K-State's DCE. All courses for the Minor currently are provided both on campus and distance.

**NEED FOR ADDITIONAL RESOURCES:**

We currently have two co-chairs for the CATS Minor and a part-time graduate student assistant who helps with advising and student services. There is no additional cost to the department to handle additional non-K-State students in the minor.

**PROJECTED ENROLLMENT/EVIDENCE OF NEED:**

The CATS Minor was approved and launched in Fall 2010. The enrollment trends for the past 2 years have been:

- Fall 2010 Enrollment in the CATS Minor (1<sup>st</sup> semester offered): 19 students
- Fall 2011 Enrollment in the CATS Minor (Offered for 1 year): 50 students
  - 6 students completed Minor requirements in 2011
- Fall 2012 Enrollment in the CATS Minor: 63 students
  - 23 students will complete the Minor requirements in 2012

We anticipate these numbers will continue to grow, but expanding the minor to Non-K-State students should not negatively affect or overload the program more than what would be expected with regular growth of the program.

**ADMISSION REQUIREMENTS:**

The CATS Minor is available to current K-State undergraduate students and post-baccalaureate K-State students. The program now wishes to make the minor available to non-K-State graduates of an accredited University subject to the following criteria:

- Students must submit a Minor Application Form.
- The application must be approved by the CATS Minor co-chairs in order for the student to be eligible to receive the requested minor.
- Applicants must have completed all necessary graduate requirements from an accredited 4-year university.

**COMPLETION REQUIREMENTS:**

It is intended that the minor in Conflict and Trauma Studies be available upon completion of the eighteen (18) required course hours for the minor. To be awarded a minor, the student (a) must not be on probation, (b) must have a cumulative GPA of 2.5 or higher on coursework applied to the minor, (c) must meet all the requirements of the student's major program, and (d) must be enrolled during the semester in which the minor's requirements are completed.

**PROGRAM ASSESSMENT:**

The CATS Minor has an approved Assessment Plan. Current SLOs for the program are:

- Knowledge: Understand and apply models for conflict analysis, conflict management, and traumatic stress and have an understanding of approaches to conflict resolution and traumatic stress
- Critical Thinking: Be able to identify and assess sources of conflict and trauma, and design and implement intervention plans for individuals, families, organizations, groups, and communities experiencing conflict and trauma
- Communication: Learn effective written and oral communication skills
- Diversity: Understand values, perceptions, experiences, and assumptions related to their own cultural background and have the ability to make culturally sensitive assessments as a requirement for conflict intervention and traumatic stress prevention
- Academic & Professional Integrity: 1) Learn Kansas Judicial Branch rules and ethical standards for mediation, 2) Understand and adhere to the ISTSS best practice parameters

**IMPACT:** This modification will allow current K-State students as well as post-baccalaureate K-State students and students from other Universities the opportunity to earn the CATS Minor to enhance their academic programs/degrees. There is no impact outside of the program or School of Family Studies and Human Services.

**EFFECTIVE DATE:** Summer 2013

**Department of Human Nutrition**

**AND**

**Department of Kinesiology**

<p><b>CHANGE FROM:</b></p> <hr/> <p><b>Dual Degree: B.S. in Human Nutrition B.S. in Kinesiology</b></p> <p>Nutrition and Kinesiology is a dual degree program. Students complete a total of <b>140-147</b> credit hours and earn two degrees, one from the Department of Human Nutrition and the second from the Department of Kinesiology. Graduates of this program may pursue careers in health programs offered by hospitals, industries, wellness centers, public and private clinics, fitness camps, and athletic clubs.</p> <p><b>General Requirements (74-81 credit hours)</b></p> <hr/> <p><b>Communications (11-12 credit hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• COMM 105 – Public Speaking 1A Credits: (2) or</li> <li>• COMM 106 – Public Speaking I Credits: (3)</li> <li>• ENGL 100 – Expository Writing I Credits: (3)</li> <li>• ENGL 200 – Expository Writing II Credits: (3)</li> <li>• ENGL 417 – Written Communication for the Workplace Credits: (3) or</li> <li>• ENGL 516 – Written Communication for the Sciences Credits: (3) or</li> </ul>	<p><b>CHANGE TO:</b></p> <hr/> <p><b>Dual Degree: B.S. in Human Nutrition B.S. in Kinesiology</b></p> <p>Nutrition and Kinesiology is a dual degree program. Students complete a total of <b>129-132</b> credit hours and earn two degrees, one from the Department of Human Nutrition and the second from the Department of Kinesiology. Graduates of this program may pursue careers in health programs offered by hospitals, industries, wellness centers, public and private clinics, fitness camps, and athletic clubs.</p> <p><b>General Requirements (66-69) credit hours)</b></p> <hr/> <p><b>Communications (11-12 credit hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• COMM 105 – Public Speaking 1A Credits: (2) or</li> <li>• COMM 106 – Public Speaking I Credits: (3)</li> <li>• ENGL 100 – Expository Writing I Credits: (3)</li> <li>• ENGL 200 – Expository Writing II Credits: (3)</li> <li>• ENGL 417 – Written Communication for the Workplace Credits: (3) or</li> <li>• ENGL 516 – Written Communication for the Sciences Credits: (3) or</li> </ul>
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- HMD 643 – Food Writing Credits: (3)

**Humanities (11-12 credit hours)**

Four (4) courses, 1 in each of the areas: fine arts, philosophy, Western heritage, and literary or rhetorical arts

**Social Science (12 credit hours)**

- AMETH 160 – Introduction to American Ethnic Studies Credits: (3)  
or
- ANTH 200 – Introduction to Cultural Anthropology Credits: (3)  
or
- ANTH 204 – A General Education Introduction to Cultural Anthropology Credits: (3)
- ECON 110 – Principles of Macroeconomics Credits: (3)
- PSYCH 110 – General Psychology Credits: (3)
- SOCIO 211 – Introduction to Sociology Credits: (3)

**International Studies Overlay (0-3 credit hours)**

**Biological and Physical Sciences (30 credit hours)**

**Biological Sciences (16 credit hours)**

- BIOL 198 – Principles of Biology Credits: (4)
- BIOL 340 – Structure and Function of the Human Body Credits: (8)
- BIOL 455 – General Microbiology Credits: (4)

**Physical Sciences (14 credit hours)**

- BIOCH 521 – General Biochemistry Credits: (3)
- CHM 210 – Chemistry I Credits: (4)
- CHM 230 – Chemistry II Credits: (4)
- CHM 350 – General Organic Chemistry Credits: (3)

**Quantitative and Abstract Formal Reasoning (10-12 credit hours)**

- MATH 220 – Analytic Geometry and Calculus I Credits: (4)  
or
- MATH 100 – College Algebra Credits: (3)  
and
- MATH 150 – Plane Trigonometry Credits: (3)
- STAT 325 – Introduction to Statistics Credits: (3)
- CIS 101 – Introduction to Computing Systems, Information Search, and Security Credits: (1)

- HMD 643 – Food Writing Credits: (3)

**Humanities (6 credit hours)**

*(Only courses of 3 credits or more will apply.)*

**Social Science (9 credit hours)**

- ECON 110 – Principles of Macroeconomics Credits: (3)
- PSYCH 110 – General Psychology Credits: (3)
- SOCIO 211 – Introduction to Sociology Credits: (3)

**Integrative Human Ecology course (1 credit hour)**

- GNHE 210 – Foundations of Human Ecology Credits: (1)

**Natural and Physical Sciences (30 credit hours)**

**Biological Sciences (16 credit hours)**

- BIOL 198 – Principles of Biology Credits: (4)
- BIOL 340 – Structure and Function of the Human Body Credits: (8)  
or
- KIN 360 – Anatomy and Physiology Credits: (8)
- BIOL 455 – General Microbiology Credits: (4)

**Physical Sciences (14 credit hours)**

- BIOCH 521 – General Biochemistry Credits: (3)
- CHM 210 – Chemistry I Credits: (4)
- CHM 230 – Chemistry II Credits: (4)
- CHM 350 – General Organic Chemistry Credits: (3)

**Quantitative Studies (9-11 credit hours)**

- MATH 220 – Analytic Geometry and Calculus I Credits: (4)  
or
- MATH 100 – College Algebra Credits: (3)
- STAT 325 – Introduction to Statistics Credits: (3)  
or
- STAT 340 – Biometrics I Credits: (3)
- CIS 111 – Introduction to Computer Programming Credits: (3)

Select two credit hours of the following:

- CIS 102 – Introduction to Spreadsheet Applications Credits: (1)
- CIS 103 – Introduction to Database Applications Credits: (1)
- CIS 104 – Introduction to Word Processing Applications Credits: (1)

**Professional Studies (66 credit hours)**

*(Grades of C or higher required.)*

**Nutrition Sciences (34 credit hours)**

- ~~FSHS 350 – Family Relationships and Gender Roles Credits: (3)~~

or

- ~~GNHE 310 – Human Needs Credits: (3)~~

- HN 132 – Basic Nutrition Credits: (3)
- HN 400 – Human Nutrition Credits: (3)
- HN 413 – Science of Food Credits: (4)
- HN 450 – Nutritional Assessment Credits: (2)
- HN 510 – Life Span Nutrition Credits: (3)
- HN 535 – Energy Balance Credits: (2)
- HN 600 – Public Health Nutrition Credits: (3)
- HN 620 – Nutrient Metabolism Credits: (3)
- HN 631 – Clinical Nutrition I Credits: (2)
- HN 632 – Clinical Nutrition II Credits: (3)

**Nutrition or Kinesiology (3 credit hours)**

- HN 635 – Nutrition and Exercise Credits: (3)
- or
- KIN 635 – Nutrition and Exercise Credits: (3)

**Kinesiology (32 credit hours)**

Nutrition and kinesiology majors must take a minimum of 32 kinesiology hours that include 17 hours from the lower-level core, 12 hours in an emphasis area, and 3 hours from other elective kinesiology courses at the 300 level or above.

A minimum grade of C is required on all prerequisites for kinesiology courses. A minimum grade of C and GPA of 2.2 are required for all kinesiology courses meeting degree requirements.

**Lower Level Core Courses (17 credit hours)**

- KIN 220 - Biobehavioral Bases of Physical Activity Credits: (4)
- KIN 310 - Measurement and Research

or

- CIS 101 – Introduction to Computing Systems, Information Search, and Security Credits: (1)
- and
- CIS 102 – Introduction to Spreadsheet Applications Credits: (1)
- and
- CIS 103 – Introduction to Database Applications Credits: (1)
- and
- CIS 104 – Introduction to Word Processing Applications Credits: (1)

**Professional Studies (63 credit hours)**

*(Grades of C or higher required.)*

**Nutrition Sciences (28 credit hours)**

- HN 132 – Basic Nutrition Credits: (3)
- HN 400 – Human Nutrition Credits: (3)
- HN 413 – Science of Food Credits: (4)
- HN 450 – Nutritional Assessment Credits: (2)
- HN 510 – Life Span Nutrition Credits: (3)
- HN 535 – Energy Balance Credits: (2)
- HN 600 – Public Health Nutrition Credits: (3)
- HN 620 – Nutrient Metabolism Credits: (3)
- HN 631 – Clinical Nutrition I Credits: (2)
- HN 632 – Clinical Nutrition II Credits: (3)

**Nutrition or Kinesiology (3 credit hours)**

- HN 635 – Nutrition and Exercise Credits: (3)
- or
- KIN 635 – Nutrition and Exercise Credits: (3)

**Kinesiology (32 credit hours)**

Nutrition and kinesiology majors must take a minimum of 32 kinesiology hours that include 17 hours from the lower-level core, 12 hours in an emphasis area, and 3 hours from other elective kinesiology courses at the 300 level or above.

A minimum grade of C is required on all prerequisites for kinesiology courses. A minimum grade of C and GPA of 2.2 are required for all kinesiology courses meeting degree requirements.

**Lower Level Core Courses (17 credit hours)**

- KIN 220 - Biobehavioral Bases of Physical Activity Credits: (4)
- KIN 310 - Measurement and Research Techniques

<p>Techniques in Kinesiology Credits: (3)</p> <ul style="list-style-type: none"> <li>• KIN 335 - Physiology of Exercise Credits: (4)</li> <li>• KIN 336 - Physiology of Exercise Laboratory Credits: (1)</li> <li>• KIN 345 - Social and Behavioral Epidemiology of Public Health Physical Activity Credits: (4)</li> <li>• KIN 346 - Laboratory Experience for Social and Behavioral Epidemiology of Public Health Physical Activity Credits: (1)</li> </ul>	<p>in Kinesiology Credits: (3)</p> <ul style="list-style-type: none"> <li>• KIN 335 - Physiology of Exercise Credits: (4)</li> <li>• KIN 336 - Physiology of Exercise Laboratory Credits: (1)</li> <li>• KIN 345 - Social and Behavioral Epidemiology of Public Health Physical Activity Credits: (4)</li> <li>• KIN 346 - Laboratory Experience for Social and Behavioral Epidemiology of Public Health Physical Activity Credits: (1)</li> </ul>
<p><b>Kinesiology Upper-level Emphasis (12 credit hours)</b> Select an emphasis in Exercise Physiology or Public Health Physical Activity Behavior</p>	<p><b>Kinesiology Upper-level Emphasis (12 credit hours)</b> Select an emphasis in Exercise Physiology or Public Health Physical Activity Behavior</p>
<p><b>Exercise Physiology Emphasis (12 credit hours)</b></p>	<p><b>Exercise Physiology Emphasis (12 credit hours)</b></p>
<p>Select one course from the following (3 credit hours):</p> <ul style="list-style-type: none"> <li>• KIN 601 - Cardiorespiratory Exercise Physiology Credits: (3)</li> <li>• KIN 603 - Cardiovascular Exercise Physiology Credits: (3)</li> <li>• KIN 607 - Muscle Exercise Physiology Credits: (3)</li> </ul>	<p>Select one course from the following (3 credit hours):</p> <ul style="list-style-type: none"> <li>• KIN 601 - Cardiorespiratory Exercise Physiology Credits: (3)</li> <li>• KIN 603 - Cardiovascular Exercise Physiology Credits: (3)</li> <li>• KIN 607 - Muscle Exercise Physiology Credits: (3)</li> </ul>
<p>Select three courses from the following (9 credit hours):</p> <ul style="list-style-type: none"> <li>• KIN 601 - Cardiorespiratory Exercise Physiology Credits: (3)</li> <li>• KIN 603 - Cardiovascular Exercise Physiology Credits: (3)</li> <li>• KIN 605 - Topics in the Biological Basis of Kinesiology Credits: (3)</li> <li>• KIN 607 - Muscle Exercise Physiology Credits: (3)</li> <li>• KIN 657 - Therapeutic Use of Exercise in the Treatment of Disease Credits: (3)</li> <li>• KIN 796 - Topics in Exercise Physiology Credits: (3)</li> </ul>	<p>Select three courses from the following (9 credit hours):</p> <ul style="list-style-type: none"> <li>• KIN 601 - Cardiorespiratory Exercise Physiology Credits: (3)</li> <li>• KIN 603 - Cardiovascular Exercise Physiology Credits: (3)</li> <li>• KIN 605 - Topics in the Biological Basis of Kinesiology Credits: (3)</li> <li>• KIN 607 - Muscle Exercise Physiology Credits: (3)</li> <li>• <b>KIN 609 - Environmental Physiology Credits: (3)</b></li> <li>• KIN 657 - Therapeutic Use of Exercise in the Treatment of Disease Credits: (3)</li> <li>• KIN 796 - Topics in Exercise Physiology Credits: (3)</li> </ul>
<p><b>Public Health Physical Activity Behavior Emphasis (12 credit hours)</b></p>	<p><b>Public Health Physical Activity Behavior Emphasis (12 credit hours)</b></p>
<p>Select one course from the following (3 credit hours):</p> <ul style="list-style-type: none"> <li>• KIN 600 - Psychology of Physical Activity Credits: (3)</li> </ul>	<p>Select one course from the following (3 credit hours):</p> <ul style="list-style-type: none"> <li>• KIN 600 - Psychology of Physical Activity Credits: (3)</li> </ul>
<p>Select three courses from the following (9 credit hours):</p> <ul style="list-style-type: none"> <li>• KIN 602 - Gender Issues in Sport and Exercise Credits: (3)</li> <li>• KIN 604 - Exercise and Mental Health Credits: (3)</li> <li>• KIN 606 - Topics in the Biobehavioral Basis of Kinesiology Credits: (3)</li> <li>• KIN 608 - Body Image, Eating Disorders, &amp; Obesity Credits: (3)</li> <li>• KIN 655 - Fitness Promotion Credits: (3)</li> <li>• KIN 797 - Topics in Public Health Physical Activity Behavior Credits: (3)</li> </ul>	<p>Select three courses from the following (9 credit hours):</p> <ul style="list-style-type: none"> <li>• KIN 602 - Gender Issues in Sport and Exercise Credits: (3)</li> <li>• KIN 604 - Exercise and Mental Health Credits: (3)</li> <li>• KIN 606 - Topics in the Biobehavioral Basis of Kinesiology Credits: (3)</li> <li>• KIN 608 - Body Image, Eating Disorders, &amp; Obesity Credits: (3)</li> <li>• <b>KIN 610 – Program Planning and Evaluation Credits: (3)</b></li> <li>• <b>KIN 612 – Built Environment and Physical Activity Credits: (3)</b></li> <li>• KIN 655 - Fitness Promotion Credits: (3)</li> <li>• KIN 797 - Topics in Public Health Physical Activity Behavior Credits: (3)</li> </ul>

<p>-----</p> <p><b>Kinesiology Elective course (3 credit hours)</b></p> <p>-----</p> <p>300 level or above</p> <p>-----</p> <p>Total credit hours required for graduation (140-147)</p> <p>-----</p> <p>Note: Students may satisfy the social science requirement at the same time they satisfy the requirement for the humanities (western heritage) or international studies overlay.</p> <p>-----</p> <p>See K State Undergraduate General Catalog for the College of Arts and Sciences general education requirements <a href="http://www.catalog.k-state.edu/">www.catalog.k-state.edu/</a></p>	<p>-----</p> <p><b>Kinesiology Elective course (3 credit hours)</b></p> <p>-----</p> <p>300 level or above</p> <p>-----</p> <p>Total credit hours required for graduation (129-132)</p> <p>-----</p>
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**Rationale:** Nutrition and Kinesiology is a dual-degree curriculum between the Department of Human Nutrition and the Department of Kinesiology. The Department of Kinesiology is moving from the College of Arts and Sciences to the College of Human Ecology, and is replacing A&S core requirements with those of Human Ecology. Those changes are mirrored in this curriculum and include: ① Drop the International Studies Overlay requirement, ② Change humanities requirement from four courses to two courses, ③ and Drop MATH 150 Plane Trigonometry.

The rationale for other changes includes the following: ④ Delete AMETH 160/ANTH 200/ANTH 204 because diversity concepts are covered in several of the professional courses. The revised curriculum meets K-State 8 requirements for the Human Diversity, Global Issues, and Social Sciences categories. ⑤ Allow KIN 360 (8) Anatomy and Physiology as an alternative to BIOL 340 (8) Human Body because KIN 360 content is appropriate for students in this major. ⑥ Instead of requiring CIS 101 and two courses among CIS 102,103, and 104 this revised curriculum requires that students take all four courses to provide a more comprehensive learning experience. They may also elect to take CIS 111 Introduction to Computer Programming as an alternative to CIS 101/102/103/104. ⑦ STAT 340 Biometrics I has been added as an alternative to STAT 325 to give students more choice in selecting statistics courses. ⑧ GNHE 210 is required in the new College of Human Ecology core degree requirements and replaces FSHS 350 or GNHE 310. ⑨ Additional KIN courses (KIN 609, KIN 610, KIN 612) have been added to the KIN emphasis areas to parallel updates for the B.S. in Kinesiology. ⑩ Total hours for graduation have been modified to reflect courses changes. (There is no requirement for an unrestricted electives category for dual major curricula).

**Impact (i.e. if this impacts another unit):** Departments of Kinesiology; Sociology, Anthropology and Social Work; Mathematics; Statistics; Computing and Information Sciences.

**Effective:** Fall 2013

## Department of Kinesiology

### KINESIOLOGY (B.S.)

Change from:	Change to:
<p><b>Kinesiology B.A./B.S.</b></p> <p><b>General requirements for undergraduate major</b></p> <p>A total of <b>124</b> credit hours are required for graduation. The <b>BA/BS program</b> is obtained by following the curriculum of the College of Arts and Sciences.</p> <p>Kinesiology majors must take a minimum of 35 kinesiology credit hours that include 17 credit hours from the lower-level core, 12 credit hours in an emphasis area, and 6 credit hours from other elective kinesiology courses at the 300 level or above.</p> <p>A minimum grade of C and GPA of 2.2 are required for all kinesiology courses meeting degree requirements.</p>	<p><b>Kinesiology (B.S.)</b></p> <p>A total of <b>120</b> credit hours are required for graduation. The B.S. <b>degree</b> is obtained by following the curriculum of the College of <b>Human Ecology</b>.</p> <p>Kinesiology majors must take a minimum of 35 kinesiology credit hours that include 17 credit hours from the lower-level core, 12 credit hours in an emphasis area, and 6 credit hours from other elective kinesiology courses at the 300 level or above, <b>plus 3 credit hours in Human Nutrition</b>.</p> <p>A minimum grade of C and GPA of 2.2 are required for all kinesiology courses meeting degree requirements.</p>
<p><b>General Education (9 hours)</b></p> <ul style="list-style-type: none"> <li>• ENGL 100 (3) Expository Writing I</li> <li>• ENGL 200 (3) Expository Writing II</li> <li>• COMM 106 (3) Public Speaking I</li> </ul>	<p><b>General Requirements (49-53 hours)</b></p> <p><b>Communications (8-9 credit hours)</b></p> <ul style="list-style-type: none"> <li>• ENGL 100 Expository Writing I <b>Credits: (3)</b></li> <li>• ENGL 200 (Expository Writing II <b>Credits: (3)</b></li> <li><i>One of the following courses</i></li> <li>• <b>COMM 105 Public Speaking IA Credits: (2)</b></li> <li>or</li> <li>• COMM 106 Public Speaking I <b>Credits: (3)</b></li> </ul>
<p><b>Humanities (42 hours)</b></p> <ul style="list-style-type: none"> <li>• <del>Fine Arts – 3 hours</del></li> <li>• <del>Philosophy – 3 hours</del></li> <li>• <del>Western Heritage – 3 hours</del></li> <li>• <del>Literature – 3 hours</del></li> </ul>	<p><b>Humanities (6 credit hours)</b> <b>(only courses of 3 credits or more will apply)</b></p>
<p><b>Social Science (12 hours)</b></p> <ul style="list-style-type: none"> <li>• PSYCH 110 (3) General Psychology</li> <li>• SOCIO 211 (3) Introduction to Sociology</li> <li>• <del>KIN 345 (4) Public Health Physical Activity</del></li> <li>• <del>International Overlay (3)</del></li> </ul>	<p><b>Social Science (9 credit hours)</b></p> <ul style="list-style-type: none"> <li>• <b>ECON 110 Principles of Macroeconomics Credits: (3)</b></li> <li>• PSYCH 110 General Psychology <b>Credits: (3)</b></li> <li>• SOCIO 211 Introduction to Sociology <b>Credits: (3)</b></li> </ul>
<p><b>Natural Science (at least 18 hours)</b></p> <ul style="list-style-type: none"> <li>• BIOL 198 (4) Principles of Biology</li> <li>• <del>KIN 335 (4) Physiology of Exercise</del></li> <li>• BIOL 340 (8) Structure/Function Human Body or</li> <li>• KIN 360 (8) Anatomy and Physiology</li> </ul> <p>Students must complete one of the following</p> <ul style="list-style-type: none"> <li>• BIOCH 265 Introductory Organic and Biochemistry <b>Credits (5)</b></li> <li>• Chemistry - any course</li> <li>• Physics - any course</li> </ul>	<p><b>Natural and Physical Sciences (16-17 hours)</b></p> <ul style="list-style-type: none"> <li>• BIOL 198 Principles of Biology <b>Credits: (4)</b></li> <li>• BIOL 340 Structure/Function Human Body <b>Credits: (8)</b> or</li> <li>• KIN 360 Anatomy and Physiology <b>Credits: (8)</b></li> </ul> <p>Students must complete one of the following</p> <ul style="list-style-type: none"> <li>• BIOCH 265 Introductory Organic and Biochemistry <b>Credits (5)</b></li> <li>• Chemistry - any course <b>with lab</b></li> <li>• Physics - any course <b>with lab</b></li> </ul>
<p><b>Quantitative Studies</b></p> <p><b>Three courses, 9 credit hours minimum, selected</b></p> <ol style="list-style-type: none"> <li>1. <del>from: Computer science – CIS 111, 200 level or above Mathematics – MATH 100 level or above Philosophy – PHILO 110, 112, 320, or 510 Statistics – any course</del></li> <li>2. <del>One course and its Level II prerequisite, selected from: Geography – GEOG 700 (with a statistics course) Physics – PHYS 113 (with MATH</del></li> </ol>	<p><b>Quantitative Studies (9-11 hours)</b></p> <ul style="list-style-type: none"> <li>• <b>Math 100 College Algebra Credits : (3)</b> or</li> <li>• <b>Math 220 Analytic Geometry and Calculus I Credits: (4)</b></li> <li><i>One of the following statistics courses</i></li> <li>• <b>STAT 325 Introduction to Statistics Credits: (3)</b></li> <li>• <b>STAT 340 Biometrics I (preferred) Credits: (3)</b></li> </ul>



<p>150) PHYS 223 (with MATH 221)  221) PHYS 224 (with MATH 221)  221) PHYS 325 (with MATH 222)  222) PHYS 452 (with MATH 150)  Sociology—SOCIO 520 (with STAT 325)  Social work—SOCWK 330 and 530 (with STAT 325)</p> <p>3. Equivalent competency: Competency may be demonstrated by taking two Level II courses or a Level III course from:</p> <p><b>Level II courses (two courses):</b> Computer science—CIS 200  Mathematics—MATH 150, 205, 210, or 312  Philosophy—PHILO 510  Statistics—STAT 325, 340, 350, 702, or 703</p> <p><b>Level III courses (one course):</b> Computer science—CIS 300  Mathematics—MATH 220  Philosophy—PHILO 701  Statistics—STAT 341, 351, 704, or 705</p>	<ul style="list-style-type: none"> <li>• CIS 101 - Introduction to Computing Systems, Information Search, and Security <b>Credits: (1) and</b></li> <li>• CIS 102 - Introduction to Spreadsheet Applications <b>Credits: (1) and</b></li> <li>• CIS 103 - Introduction to Database Applications <b>Credits: (1) and</b></li> <li>• CIS 104 - Introduction to Word Processing Applications <b>Credits: (1) or</b></li> <li>• CIS 111 Introduction to Computer Programming <b>Credits: (3)</b></li> </ul>
	<p><b>Integrative Human Ecology Course (1 hour)</b></p> <ul style="list-style-type: none"> <li>• GNHE 210 Foundations of Human Ecology <b>Credits: (1)</b></li> </ul>
<p><b>Kinesiology</b>  <b>Lower-level core (17 credits hours)</b></p> <ul style="list-style-type: none"> <li>• KIN 220 - Biobehavioral Bases of Physical Activity <b>Credits: (4)</b></li> <li>• KIN 310 - Measurement and Research Techniques in Kinesiology <b>Credits: (3)</b></li> <li>• KIN 335 - Physiology of Exercise <b>Credits: (4)</b></li> <li>• KIN 336 - Physiology of Exercise Lab <b>Credits: (1)</b></li> <li>• KIN 345 - Social and Behavioral Epidemiology of Public Health Physical Activity <b>Credits: (4)</b></li> <li>• KIN 346 - Laboratory Experience for Social and Behavioral Epidemiology of Public Health Physical Activity <b>Credits (1)</b></li> </ul>	<p><b>Professional Studies ( 38 credit hours)</b>  <b>Grades of "C" or higher required.</b></p> <p><b>Kinesiology (35 credit hours)</b>  <b>Lower-level core (17 credit hours)</b></p> <ul style="list-style-type: none"> <li>• KIN 220 - Biobehavioral Bases of Physical Activity <b>Credits: (4)</b></li> <li>• KIN 310 - Measurement and Research Techniques in Kinesiology <b>Credits: (3)</b></li> <li>• KIN 335 - Physiology of Exercise <b>Credits: (4)</b></li> <li>• KIN 336 - Physiology of Exercise Lab <b>Credits: (1)</b></li> <li>• KIN 345 - Social and Behavioral Epidemiology of Public Health Physical Activity <b>Credits: (4)</b></li> <li>• KIN 346 - Laboratory Experience for Social and Behavioral Epidemiology of Public Health Physical Activity <b>Credits (1)</b></li> </ul>
<p><b>Kinesiology Upper-level Emphasis (12 credit hours)</b>  Select an emphasis in Exercise Physiology or Public Health Physical Activity Behavior.</p> <p><b>Exercise Physiology Emphasis (12 credit hours)</b>  Select one course (3 credit hours) from the biological basis of human movement.</p> <ul style="list-style-type: none"> <li>• KIN 601 - Cardiorespiratory Exercise Physiology <b>Credits: (3)</b></li> <li>• KIN 603 - Cardiovascular Exercise Physiology <b>Credits: (3)</b></li> <li>• KIN 607 - Muscle Exercise Physiology <b>Credits: (3)</b></li> </ul> <p>Select three courses from the following (9 credit hours)</p> <ul style="list-style-type: none"> <li>• KIN 601 - Cardiorespiratory Exercise Physiology <b>Credits: (3)</b></li> <li>• KIN 603 - Cardiovascular Exercise Physiology <b>Credits: (3)</b></li> <li>• KIN 605 - Topics in the Biological Basis of Kinesiology <b>Credits: (1-3)</b></li> <li>• KIN 607 - Muscle Exercise Physiology <b>Credits: (3)</b></li> </ul> <ul style="list-style-type: none"> <li>• KIN 635 - Nutrition and Exercise <b>Credits: (3)</b></li> <li>• KIN 657 - Therapeutic Use of Exercise in the Treatment of Disease <b>Credits: (3)</b></li> <li>• KIN 796 - Topics in Exercise Physiology <b>Credits: (3)</b></li> </ul> <p><b>Public Health Physical Activity Behavior Emphasis (12 credit hours)</b></p>	<p><b>Kinesiology Upper-level Emphasis (12 credit hours)</b>  Select an emphasis in Exercise Physiology or Public Health Physical Activity Behavior.</p> <p><b>Exercise Physiology Emphasis (12 credit hours)</b>  Select one course (3 credit hours) from the biological basis of human movement.</p> <ul style="list-style-type: none"> <li>• KIN 601 - Cardiorespiratory Exercise Physiology <b>Credits: (3)</b></li> <li>• KIN 603 - Cardiovascular Exercise Physiology <b>Credits: (3)</b></li> <li>• KIN 607 - Muscle Exercise Physiology <b>Credits: (3)</b></li> </ul> <p>Select three courses from the following (9 credit hours)</p> <ul style="list-style-type: none"> <li>• KIN 601 - Cardiorespiratory Exercise Physiology <b>Credits: (3)</b></li> <li>• KIN 603 - Cardiovascular Exercise Physiology <b>Credits: (3)</b></li> <li>• KIN 605 - Topics in the Biological Basis of Kinesiology <b>Credits: (1-3)</b></li> <li>• KIN 607 - Muscle Exercise Physiology <b>Credits: (3)</b></li> <li>• <b>KIN 609 - Environmental Physiology Credits: (3)</b></li> <li>• KIN 635 - Nutrition and Exercise <b>Credits: (3)</b></li> <li>• KIN 657 - Therapeutic Use of Exercise in the Treatment of Disease <b>Credits: (3)</b></li> <li>• KIN 796 - Topics in Exercise Physiology <b>Credits: (3)</b></li> </ul> <p><b>Public Health Physical Activity Behavior Emphasis (12 credit hours)</b></p>



<p>Select one course (3 credit hours) from the behavioral basis of human movement.</p> <ul style="list-style-type: none"> <li>• KIN 600 - Psychology of Physical Activity <b>Credits:</b> (3)</li> </ul> <p>Select three courses from the following (9 credit hours)</p> <ul style="list-style-type: none"> <li>• KIN 602 - Gender Issues in Sport and Exercise <b>Credits:</b> (3)</li> <li>• KIN 604 - Exercise and Mental Health <b>Credits:</b> (3)</li> <li>• KIN 606 - Topics in the Behavioral Basis of Kinesiology <b>Credits:</b> (1-3)</li> <li>• KIN 608 - Body Image, Eating Disorders &amp; Obesity <b>Credits:</b> (3)</li> </ul> <ul style="list-style-type: none"> <li>• KIN 655 - Fitness Promotion <b>Credits:</b> (3)</li> <li>• KIN 797 - Topics in Public Health Physical Activity Behavior <b>Credits:</b> (3)</li> </ul>	<p>Select one course (3 credit hours) from the behavioral basis of human movement.</p> <ul style="list-style-type: none"> <li>• KIN 600 - Psychology of Physical Activity <b>Credits:</b> (3)</li> </ul> <p>Select three courses from the following (9 credit hours)</p> <ul style="list-style-type: none"> <li>• KIN 602 - Gender Issues in Sport and Exercise <b>Credits:</b> (3)</li> <li>• KIN 604 - Exercise and Mental Health <b>Credits:</b> (3)</li> <li>• KIN 606 - Topics in the Behavioral Basis of Kinesiology <b>Credits:</b> (1-3)</li> <li>• KIN 608 - Body Image, Eating Disorders &amp; Obesity <b>Credits:</b> (3)</li> <li>• <b>KIN 610 - Program Planning &amp; Evaluation Credits: (3)</b></li> <li>• <b>KIN 612 - Built Environment &amp; Physical Activity Credits (3)</b></li> <li>• KIN 655 - Fitness Promotion <b>Credits:</b> (3)</li> <li>• KIN 797 - Topics in Public Health Physical Activity Behavior <b>Credits:</b> (3)</li> </ul>
<p><b>Kinesiology Electives (6 credit hours)</b></p> <ul style="list-style-type: none"> <li>• 300 level or above</li> </ul>	<p><b>Kinesiology Electives (6 credit hours)</b></p> <ul style="list-style-type: none"> <li>• 300 level or above</li> </ul>
<p><b>Computer literacy</b></p> <ul style="list-style-type: none"> <li>• CIS 101 - Introduction to Computing Systems, Information Search, and Security <b>Credits:</b> (1)</li> </ul> <p><b>Choose 2 credit hours from the following:</b></p> <ul style="list-style-type: none"> <li>• CIS 102 - Introduction to Spreadsheet Applications <b>Credits:</b> (1)</li> <li>• CIS 103 - Introduction to Database Applications <b>Credits:</b> (1)</li> <li>• CIS 104 - Introduction to Word Processing Applications <b>Credits:</b> (1)</li> </ul>	
<p><b>Total hours required for graduation (124)</b></p>	<p><b>Human Nutrition (3 credit hours)</b></p> <ul style="list-style-type: none"> <li>• <b>HN 132 Basic Nutrition Credits: (3)</b></li> </ul> <p><b>Unrestricted electives (29-33 credit hours)</b></p> <ul style="list-style-type: none"> <li>• 300 level or above (≥3hrs)</li> </ul> <p><b>Total hours required for graduation (120 credit hours)</b></p>
<p><b>Basic science prerequisites</b> Prerequisites for courses are identified in the course descriptions. Below is an overview of basic science prerequisites. Students also need to fulfill requirements for the BS or BA in the College of Arts and Sciences.</p> <ul style="list-style-type: none"> <li>• BIOL 198 - Principles of Biology <b>Credits:</b> (4)</li> <li>• BIOL 340 - Structure and Function of the Human Body <b>Credits:</b> (8)</li> <li>• MATH 100 - College Algebra <b>Credits:</b> (3)</li> <li>• PSYCH 110 - General Psychology <b>Credits:</b> (3)</li> <li>• SOCIO 211 - Introduction to Sociology <b>Credits:</b> (3)</li> </ul> <p><b>Physical Science requirement</b> As part of the College of Arts and Sciences Physical Science requirement (one course with a laboratory), Kinesiology students must complete one of the following:</p> <ul style="list-style-type: none"> <li>• Chemistry - any course</li> <li>• Physics - any course</li> <li>• BIOCH 265 - Introductory Organic and Biochemistry <b>Credits:</b> (5)</li> </ul> <p><b>Pre-professional curricula</b> Students seeking admission to physical therapy, medical, and other health professional schools may major in kinesiology (or another discipline) provided the required pre-professional course work is completed. Students should seek a pre-professional health professions advisor from the College of Arts and Sciences dean's office and a kinesiology advisor for proper planning to meet academic and professional goals.</p>	<p><b>Pre-professional curricula</b> Students seeking admission to physical therapy, medical, and other health professional schools may major in kinesiology (or another discipline) provided the required pre-professional course work is completed. Students should seek a pre-professional health professions advisor from the College of Arts and Sciences dean's office and a kinesiology advisor for proper planning to meet academic and professional goals.</p>

<p><b>Health fitness instructor sub-curriculum</b>  This sub-curriculum consists of a series of classes that complements the kinesiology degree in preparing students to design, implement, and administer physical fitness programs in YMCAs, private corporations, hospitals, clinics, and fitness clubs. Students completing this emphasis are prepared to seek health/fitness instructor certification from the American College of Sports Medicine. The following courses are required in addition to those required for the kinesiology degree:</p> <ul style="list-style-type: none"> <li>• KIN 520 - Practicum in Fitness Settings <b>Credits:</b> (1-3)</li> <li>• KIN 625 - Exercise Testing and Prescription <b>Credits:</b> (3)</li> <li>• KIN 635 - Nutrition and Exercise <b>Credits:</b> (3)</li> <li>• or</li> <li>• HN 635 - Nutrition and Exercise <b>Credits:</b> (3)</li> <li>• KIN 655 - Fitness Promotion <b>Credits:</b> (3)</li> <li>• KIN 792 - Health-Fitness Instructor Internship <b>Credits:</b> (6)</li> </ul>	<p><b>Health fitness instructor sub-curriculum</b>  This sub-curriculum consists of a series of classes that complements the kinesiology degree in preparing students to design, implement, and administer physical fitness programs in YMCAs, private corporations, hospitals, clinics, and fitness clubs. Students completing this emphasis are prepared to seek health/fitness instructor certification from the American College of Sports Medicine. The following courses are required in addition to those required for the kinesiology degree:</p> <ul style="list-style-type: none"> <li>• KIN 520 - Practicum in Fitness Settings <b>Credits:</b> (1-3)</li> <li>• KIN 625 - Exercise Testing and Prescription <b>Credits:</b> (3)</li> <li>• KIN 635 - Nutrition and Exercise <b>Credits:</b> (3)</li> <li>• or</li> <li>• HN 635 - Nutrition and Exercise <b>Credits:</b> (3)</li> <li>• KIN 655 - Fitness Promotion <b>Credits:</b> (3)</li> <li>• KIN 792 - Health-Fitness Instructor Internship <b>Credits:</b> (6)</li> </ul>
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**Rationale:** The Department of Kinesiology is moving from Arts and Sciences to the College of Human Ecology, and is replacing A&S core requirements with those of Human Ecology. Those changes are mirrored in this curriculum and include:

- 1) Allowing students to choose from COMM 105 or COMM 106 rather than just COMM 106
- 2) Change humanities requirement from four courses to two courses
- 3) Drop the International Studies Overlay requirement
- 4) Drop MATH 150 Plane Trigonometry
- 5) Instead of requiring CIS 101 and two courses among CIS 102,103, and 104, this revised curriculum requires that students take all four courses to provide a more comprehensive learning experience. They may also elect to take CIS 111 Introduction to Computer Programming as an alternative to CIS 01/102/103/104
- 6) STAT 340 Biometrics I has been added as an alternative to STAT 325 to give students more choice in selecting statistics courses
- 7) GNHE 210 is required in the new College of Human Ecology core degree requirements and replaces FSHS 350 or GNHE 310
- 8) Total hours for graduation have been modified to reflect courses changes.
- 9) KIN 609 is a new class that serves as an Exercise Physiology emphasis elective
- 10) KIN 610, KIN 612 are new classes that serve as Public Health Physical Activity Behavior emphasis electives.
- 11) Drop BA option as only four students have taken this option in the previous four years.

**Impact (i.e. if this impacts another unit):** Correspondence has been received from the following departments in support of changes.

- Communication Studies: allows students to choose either COMM 105 or COMM 106.
- Economics: add ECON 110 as required course.
- Computing and Information Sciences: allows students to choose CIS 101, 102, 103 and 104, or CIS 111.
- Human Nutrition: add HN 132 as a required course.

**EFFECTIVE:** FALL 2013

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