

**Attachment 1a**

**Academic Affairs**

**Consent Agenda Supplemental Information - Curriculum Proposals**

**Faculty Senate Review – November 13, 2018 Meeting**

***In order by College, not by the Curriculum Agenda***

**<https://kstate.curriculog.com/agenda:516/form>**

Education	Secondary Education (B.S. in Education) EDBSC Biology Teacher Licensure Program EDBUS Business Teacher Licensure Program EDENG English Teacher Licensure Program EDESC Earth and Space Science Teaching Field EDJOR Journalism Teacher Licensure Program EDSPH Speech Teacher Licensure Program EDSST Social Studies Education Curriculum EDPHY Physics Teacher Licensure Program	Pages 2-19
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# Education

## Secondary Education (B.S. in Education)

Rationale: Revision of the program to meet 120 hours mandated by KBOR and updating of the previous curriculum.

Impact Statement: Dr. Goodson has discussed with Dr. L. Benjamin and consent garnered. Email is an attached file. Dr. Goodson met with the HDFS Unit/School of Family Studies & Human Services on June 1. Concerns were expressed regarding the removal of HDFS 110 as a requirement for this degree program and the potential negative impact on the unit. Although sympathetic to the need to streamline the degree program, they remain concerned about the proposed change as they think a solid understanding of human development (youth development) is essential for educators. The College of Education agrees a solid understanding of human development is essential for educators. This is why a human development course continues to be a requirement for our degrees. The vast majority of our face-to-face students will continue to take HDFS 110. The changes currently proposed will ensure transfer and distance students who take comparable human development courses from other institutions receive credit for meeting this requirement.

[http://catalog.k-state.edu/preview\\_program.php?catoid=40&poid=13048&returnto=7005](http://catalog.k-state.edu/preview_program.php?catoid=40&poid=13048&returnto=7005)

<p><b>Secondary Education (B.S. in Education)</b></p> <p>Minimum of <b>126</b> credit hours required</p> <p><b>Bachelor's degree requirements</b></p> <p><b>General Education Requirements (33 credit hours minimum)</b></p> <p><b>Communications (8-9 credit hours)</b></p> <p><i>(A grade of C or better is required)</i></p> <ul style="list-style-type: none"><li>• COMM 105 - Public Speaking IA <b>Credits:</b> 2</li><li>• or</li><li>• COMM 106 - Public Speaking I <b>Credits:</b> 3</li><li>• or</li><li>• COMM 109 - Public Speaking 1A, Honors <b>Credits:</b> 3</li><li>• ENGL 100 - Expository Writing I <b>Credits:</b> 3</li><li>• ENGL 200 - Expository Writing II <b>Credits:</b> 3</li></ul> <p><b>Humanities (6 credit hours)</b></p> <p><b>Literature</b></p>	<p><b>Secondary Education (B.S. in Education)</b></p> <p>Minimum of <b>120</b> credit hours required</p> <p><b>Bachelor's degree requirements</b></p> <p><b>General Education Requirements (33 credit hours minimum)</b></p> <p><b>Communications (8-9 credit hours)</b></p> <p><i>(A grade of C or better is required)</i></p> <ul style="list-style-type: none"><li>• COMM 105 - Public Speaking IA <b>Credits:</b> 2</li><li>• or</li><li>• COMM 106 - Public Speaking I <b>Credits:</b> 3</li><li>• or</li><li>• COMM 109 - Public Speaking 1A, Honors <b>Credits:</b> 3</li><li>• ENGL 100 - Expository Writing I <b>Credits:</b> 3</li><li>• ENGL 200 - Expository Writing II <b>Credits:</b> 3</li></ul> <p><b>Humanities (6 credit hours)</b></p> <p><b>Literature</b></p>
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<ul style="list-style-type: none"> <li>Any department of English literature or Department of Modern Languages literature course <b>Credits: 3</b></li> </ul> <p><b>Fine arts appreciation</b></p> <ul style="list-style-type: none"> <li>Any <b>nonperformance appreciation</b> class in the Departments of Art, <b>Architecture</b>, Modern Languages or the School of Music, Theatre and Dance <b>Credits: 3</b></li> </ul> <p><b>Social science (6 credit hours)</b></p> <p><b>Elective from Departments of AMETH, ANTH, ECON, GEOG, GWSS, HIST, POLSC, PSYCH, SOCIO Credits: 3</b></p> <p>Global Issues and Perspective course (tagged as meeting the K-State 8 requirements) from Departments of AMETH, ANTH, ECON, GEOG, GWSS, HIST, POLSC, PSYCH, SOCIO <b>Credits: 3</b></p> <p><b>Natural science (7 credit hours)</b></p> <ul style="list-style-type: none"> <li>One lab required.</li> </ul> <p><b>Quantitative sciences (6 credit hours)</b></p> <ul style="list-style-type: none"> <li>MATH 100 - College Algebra <b>Credits: 3</b></li> <li>(or higher level math course) (Grade of C or better)</li> <li>STAT 325 - Introduction to Statistics <b>Credits: 3</b></li> </ul> <p><b>Teacher Education Courses (40 credit hours)</b></p> <p>A grade of C or higher is required in all Teacher Education courses and practica. A 3.0 or higher grade point average in Teacher Education courses and practica is needed before the Professional Semester.</p> <p><b>Pre-Professional Component (8 credit hours)</b></p> <ul style="list-style-type: none"> <li>DED 075 - Orientation to Teacher Education at KSU <b>Credits: 0</b></li> <li>EDCI 200 - Teaching as a Career <b>Credits: 1</b></li> <li>EDCI 230 - Early Field Experience <b>Credits: 1</b></li> </ul>	<ul style="list-style-type: none"> <li>Any department of English literature or Department of Modern Languages literature course <b>Credits: 3</b></li> </ul> <p><b>Fine arts</b></p> <ul style="list-style-type: none"> <li>Any class in the Departments of Art, Modern Languages, <b>Philosophy</b>, or the School of Music, Theatre and Dance <b>Credits: 3</b></li> </ul> <p><b>Social science (6 credit hours)</b></p> <ul style="list-style-type: none"> <li>Global Issues and Perspective course (tagged as meeting the K-State 8 requirements) from Departments of AMETH, ANTH, ECON, GEOG, GWSS, HIST, POLSC, PSYCH, SOCIO <b>Credits: 3</b></li> </ul> <p><b>Human Development Course Credits: 3</b></p> <p><b>Natural science (7 credit hours)</b></p> <ul style="list-style-type: none"> <li>One lab required.</li> </ul> <p><b>Quantitative sciences (6 credit hours)</b></p> <ul style="list-style-type: none"> <li>MATH 100 - College Algebra <b>Credits: 3</b></li> <li>(or higher level math course) (Grade of C or better)</li> <li>STAT 325 - Introduction to Statistics <b>Credits: 3</b></li> </ul> <p><b>Teacher Education Courses (37 credit hours)</b></p> <p>A grade of C or higher is required in all Teacher Education courses and practica. A 3.0 or higher grade point average in Teacher Education courses and practica is needed before the Professional Semester.</p> <p><b>Pre-Professional Component (5 credit hours)</b></p> <ul style="list-style-type: none"> <li>DED 075 - Orientation to Teacher Education at KSU <b>Credits: 0</b></li> <li>EDCI 200 - Teaching as a Career <b>Credits: 1</b></li> </ul>
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- EDCI 310 - Foundations of Education  
**Credits: 3**
- ~~HDFS 110 - Introduction to Human Development~~ **Credits: 3**

**Professional Education Component (32 credit hours)**

Admission to teacher education required.

**Non-blocked courses (Must be completed before student teaching)**

- EDCI 318 - Educational Technology for Teaching and Learning **Credits: 1**
- (Must be completed before Block II.)
- EDSEC 405 - Middle-Level Education **Credits: 2**
- (Not required for K-12 majors in art, modern languages, music, or physical education/health.)

Students receiving a grade of less than C in a Block 1 course will not be permitted to proceed to Block 2 until a grade of C or higher is recorded (i.e., must retake the Block 1 course first).

**Block 1 (8 credit hours)**

Courses must be taken concurrently and prior to Block II.

- EDCEP 315 - Educational Psychology **Credits: 3**
- EDCI 320 - Core Teaching Skills and Lab **Credits: 3**
- EDSP 323 - Exceptional Students in the Secondary School **Credits: 2**

**Block II (9 credit hours)**

Courses must be taken concurrently and prior to Student Teaching.

- EDCEP 525 - Interpersonal Relations in the Schools **Credits: 1**
- EDSEC 455 - Teaching in a Multicultural Society **Credits: 1**

- EDCI 230 - Early Field Experience  
**Credits: 1**
- EDCI 310 - Foundations of Education  
**Credits: 3**

**Professional Education Component (32 credit hours)**

Admission to teacher education required.

**Non-blocked courses (Must be completed before student teaching)**

- EDCI 318 - Educational Technology for Teaching and Learning **Credits: 1**
- (Must be completed before Block II.)
- EDSEC 405 - Middle-Level Education **Credits: 2**
- (Not required for K-12 majors in art, modern languages, music, or physical education/health.)

Students receiving a grade of less than C in a Block 1 course will not be permitted to proceed to Block 2 until a grade of C or higher is recorded (i.e., must retake the Block 1 course first).

**Block 1 (8 credit hours)**

Courses must be taken concurrently and prior to Block II.

- EDCEP 315 - Educational Psychology **Credits: 3**
- EDCI 320 - Core Teaching Skills and Lab **Credits: 3**
- EDSP 323 - Exceptional Students in the Secondary School **Credits: 2**

**Block II (9 credit hours)**

Courses must be taken concurrently and prior to Student Teaching.

- EDCEP 525 - Interpersonal Relations in the Schools **Credits: 1**
- EDSEC 455 - Teaching in a Multicultural Society **Credits: 1**

- EDSEC 477 - Content Area Literacies and Diverse Learners **Credits: 2**

**Choose one of the following that corresponds to your teaching field:**

- EDSEC 530 - Art Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 532 - Business Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 534 - Family and Consumer Science Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 536 - Language Arts Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 538 - Mathematics Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 540 - Modern Language Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 542 - Science Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 544 - Social Studies Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 546 - Physical Education/Health Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 548 - Technology Education Methods for Secondary and Middle Schools **Credits: 3**

**Choose one of the following that corresponds to your teaching field:**

- EDSEC 531 - Art Methods Practicum **Credits: 2**
- EDSEC 533 - Business Methods Practicum **Credits: 2**
- EDSEC 535 - Family and Consumer Science Methods Practicum **Credits: 2**
- EDSEC 537 - Language Arts Methods Practicum **Credits: 2**
- EDSEC 539 - Mathematics Methods Practicum **Credits: 2**
- EDSEC 541 - Modern Language Methods Practicum **Credits: 2**
- EDSEC 543 - Science Methods Practicum **Credits: 2**
- EDSEC 545 - Social Studies Methods Practicum **Credits: 2**

- EDSEC 477 - Content Area Literacies and Diverse Learners **Credits: 2**

**Choose one of the following that corresponds to your teaching field:**

- EDSEC 530 - Art Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 532 - Business Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 534 - Family and Consumer Science Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 536 - Language Arts Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 538 - Mathematics Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 540 - Modern Language Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 542 - Science Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 544 - Social Studies Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 546 - Physical Education/Health Methods for Secondary and Middle Schools **Credits: 3**
- EDSEC 548 - Technology Education Methods for Secondary and Middle Schools **Credits: 3**

**Choose one of the following that corresponds to your teaching field:**

- EDSEC 531 - Art Methods Practicum **Credits: 2**
- EDSEC 533 - Business Methods Practicum **Credits: 2**
- EDSEC 535 - Family and Consumer Science Methods Practicum **Credits: 2**
- EDSEC 537 - Language Arts Methods Practicum **Credits: 2**
- EDSEC 539 - Mathematics Methods Practicum **Credits: 2**
- EDSEC 541 - Modern Language Methods Practicum **Credits: 2**
- EDSEC 543 - Science Methods Practicum **Credits: 2**
- EDSEC 545 - Social Studies Methods Practicum **Credits: 2**

- EDSEC 547 - Physical Education/Health Practicum for Secondary and Middle Schools **Credits: 2**
- EDSEC 549 - Technology Education Practicum for Secondary and Middle Schools **Credits: 2**

**Professional Semester (12 credit hours)**

A 3.0 or higher grade point average in Teacher Education courses and practica is needed before the Professional Semester.

- EDSEC 586 - Teaching Internship in Secondary Schools **Credits: 1-12**

**Internship Requirements**

Internship requirements vary by teaching field. The following courses may also be used to complete the 12 credit minimum.

- EDSEC 582 - Teaching Internship in Music **Credits: 6-12**
- EDEL 585 - Teaching Internship in Elementary Schools **Credits: 1-15**

**Teaching Field (One of the following areas must be selected)**

- Art (47 credits)
- Biology (68-69 credits)
- Business (55 credits)
- Chemistry (58 credits)
- Earth and Space Science (64 credits)
- English (39 credits)
- English and Journalism (48 credits)
- Journalism (33 credits)
- Mathematics (40 credits)
- Modern Languages (34-36 credits)
- Physical Education/Health (53 credits)
- Physics (65 credits)
- Social Studies (64 credits)
- Speech (42 credits)
- Technology Education (67 credits)

**Total hours required for graduation (126)**

Teacher Education programs are also available from Agriculture, Family and Consumer Sciences, Early Childhood, and Music.

- EDSEC 547 - Physical Education/Health Practicum for Secondary and Middle Schools **Credits: 2**
- EDSEC 549 - Technology Education Practicum for Secondary and Middle Schools **Credits: 2**

**Professional Semester (12 credit hours)**

A 3.0 or higher grade point average in Teacher Education courses and practica is needed before the Professional Semester.

- EDSEC 586 - Teaching Internship in Secondary Schools **Credits: 1-12**

**Internship Requirements**

Internship requirements vary by teaching field. The following courses may also be used to complete the 12 credit minimum.

- EDSEC 582 - Teaching Internship in Music **Credits: 6-12**
- EDEL 585 - Teaching Internship in Elementary Schools **Credits: 1-15**

**Teaching Field (One of the following areas must be selected)**

- Art (49 credits)
- Biology (62 credits)
- Business (50 credits)
- Chemistry (58 credits)
- Earth and Space Science (62 credits)
- English (42 credits)
- English and Journalism (48 credits)
- Journalism (42 credits)
- Mathematics (40 credits)
- Modern Languages (34-36 credits)
- Physical Education/Health (48 credits)
- Physics (58 credits)
- Social Studies (57 credits)
- Speech (47 credits)
- Technology Education (60 credits)

**Total hours required for graduation (120)**

Teacher Education programs are also available from Agriculture, Family and Consumer Sciences, Early Childhood, and Music.

## (EDBSC) Biology Teacher Licensure Program

Rationale: This proposal is to align the Biology (EDBSC) Teacher Licensure Program in accord with the KBOR mandate of programs being 120 hours.

Impact: Dr. Goodson has discussed with Dr. L. Benjamin and consent garnered. Email is an attached file.

[http://catalog.k-state.edu/preview\\_program.php?catoid=40&poid=13152&returnto=7005](http://catalog.k-state.edu/preview_program.php?catoid=40&poid=13152&returnto=7005)

<p><b>Biology (EDBSC) Teacher Licensure Program</b></p> <hr/> <p><b>Bachelor degree requirements</b></p> <p>Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.</p> <p><b>Licensure requirement (68-69 credit hours)</b></p> <ul style="list-style-type: none"><li>• <a href="#">BIOL 198 - Principles of Biology</a> Credits: 4</li><li>• <a href="#">BIOL 201 - Organismic Biology</a> Credits: 5</li><li>• <a href="#">BIOL 330 - Public Health Biology</a> Credits: 3</li><li>• <a href="#">BIOL 455 - General Microbiology</a> Credits: 4</li><li>• <a href="#">BIOL 541 - Cell Biology</a> Credits: 3</li><li>• <a href="#">BIOL 303 - Ecology of Environmental Problems</a> Credits: 3</li><li>• or</li><li>• <a href="#">BIOL 529 - Ecology</a> Credits: 3</li><li>• <a href="#">ASI 500 - Genetics</a> Credits: 3</li><li>• or</li><li>• <a href="#">BIOL 450 - Modern Genetics</a> Credits: 4</li><li>• <del>Approved electives at the 300 level or higher from the Department of Biology or related life sciences Credits: (6-7) (e.g., entomology, horticulture, plant pathology, etc.)</del></li></ul> <p><b>Chemistry courses required</b></p> <ul style="list-style-type: none"><li>• <a href="#">CHM 210 - Chemistry I</a> Credits: 4</li></ul>	<p><b>Biology (EDBSC) Teacher Licensure Program</b></p> <hr/> <p><b>Bachelor degree requirements</b></p> <p>Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.</p> <p><b>Licensure requirement (62-63 credit hours)</b></p> <ul style="list-style-type: none"><li>• <a href="#">BIOL 198 - Principles of Biology</a> Credits: 4</li><li>• <a href="#">BIOL 201 - Organismic Biology</a> Credits: 5</li><li>• <a href="#">BIOL 330 - Public Health Biology</a> Credits: 3</li><li>• <a href="#">BIOL 455 - General Microbiology</a> Credits: 4</li><li>• <a href="#">BIOL 541 - Cell Biology</a> Credits: 3</li><li>• <a href="#">BIOL 303 - Ecology of Environmental Problems</a> Credits: 3</li><li>• or</li><li>• <a href="#">BIOL 529 - Ecology</a> Credits: 3</li><li>• <a href="#">ASI 500 - Genetics</a> Credits: 3</li><li>• or</li><li>• <a href="#">BIOL 450 - Modern Genetics</a> Credits: 4</li></ul> <p><b>Chemistry courses required</b></p>
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<ul style="list-style-type: none"> <li>• <a href="#">CHM 230 - Chemistry II</a> <b>Credits: 4</b></li> <li>• <a href="#">CHM 350 - General Organic Chemistry</a> <b>Credits: 3</b></li> <li>• <a href="#">CHM 351 - General Organic Chemistry Laboratory</a> <b>Credits: 2</b></li> </ul> <p><b>Other required courses</b></p> <ul style="list-style-type: none"> <li>• EDSEC 614 - Laboratory Techniques in Teaching Science <b>Credits: 3</b></li> <li>• GEOL 103 - Geology Laboratory <b>Credits: 1</b></li> <li>• GEOL <a href="#">512 - Earth Science</a> <b>Credits: 3</b></li> <li>• MATH 100 - College Algebra <b>Credits: 3</b></li> <li>• MATH 150 - Plane Trigonometry <b>Credits: 3</b></li> <li>• PHYS 115 - Descriptive Physics <b>Credits: 5</b></li> <li>• PHYS 191 - Descriptive Astronomy <b>Credits: 3</b></li> <li>• STAT 325 - Introduction to Statistics <b>Credits: 3</b></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">CHM 210 - Chemistry I</a> <b>Credits: 4</b></li> <li>• <a href="#">CHM 230 - Chemistry II</a> <b>Credits: 4</b></li> <li>• <a href="#">CHM 350 - General Organic Chemistry</a> <b>Credits: 3</b></li> <li>• <a href="#">CHM 351 - General Organic Chemistry Laboratory</a> <b>Credits: 2</b></li> </ul> <p><b>Other required courses</b></p> <ul style="list-style-type: none"> <li>• EDSEC 614 - Laboratory Techniques in Teaching Science <b>Credits: 3</b></li> <li>• GEOL 103 - Geology Laboratory <b>Credits: 1</b></li> <li>• GEOL <a href="#">100- Earth In Action</a> <b>Credits: 3</b></li> <li>• MATH 100 - College Algebra <b>Credits: 3</b></li> <li>• MATH 150 - Plane Trigonometry <b>Credits: 3</b></li> <li>• PHYS 115 - Descriptive Physics <b>Credits: 5</b></li> <li>• PHYS 191 - Descriptive Astronomy <b>Credits: 3</b></li> <li>• STAT 325 - Introduction to Statistics <b>Credits: 3</b></li> </ul>
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## **EDBUS Business Teacher Licensure Program**

Rationale: Revision of the program to meet 120 hours mandated by KBOR and updating of the previous curriculum.

Impact Statement: Dr. Goodson has discussed with Dr. L. Benjamin and consent garnered. Email is an attached file.

[http://catalog.k-state.edu/preview\\_program.php?catoid=40&poid=13045&returnto=7005](http://catalog.k-state.edu/preview_program.php?catoid=40&poid=13045&returnto=7005)

<p><b>Business (EDBUS) Teacher Licensure Program</b></p> <hr/> <p><b>Bachelor degree requirements</b></p> <p>Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education</p>	<p><b>Business (EDBUS) Teacher Licensure Program</b></p> <hr/> <p><b>Bachelor degree requirements</b></p> <p>Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education</p>
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courses, and the teaching field requirements listed here.

**Licensure requirements (55 credit hours)**

**Teaching Field - Business**

- [ACCTG 231 - Accounting for Business Operations](#) Credits: 3
- [ACCTG 241 - Accounting for Investing and Financing](#) Credits: 3
- [ENTRP 340 - Introduction to Entrepreneurship](#) Credits: 3
- [FINAN 450 - Principles of Finance](#) Credits: 3
- [GENBA 166 - Business Information Technology Skills Proficiency](#) Credits: 0
- [MANGT 366 - Information Technology for Business](#) Credits: 3
- [MANGT 390 - Business Law I](#) Credits: 3
- [MANGT 420 - Principles of Management](#) Credits: 3
- [MANGT 595 - Business Strategy](#) Credits: 3
- [MKTG 400 - Introduction to Marketing](#) Credits: 3
- [MKTG 450 - Consumer Behavior](#) Credits: 3
- [MKTG 542 - Fundamentals of Professional Selling](#) Credits: 3
- or
- [COMM 311 - Business and Professional Speaking](#) Credits: 3

**Supporting courses**

- [CIS 111 - Introduction to Computer Programming](#) Credits: 3
- or
- [MIS 411 - Studio 1: Business Programming Applications I](#) Credits: 3
- [ECON 110 - Principles of Macroeconomics](#) Credits: 3
- [ECON 120 - Principles of Microeconomics](#) Credits: 3
- [PFP 105 - Introduction to Personal Financial Planning](#) Credits: 3
- or
- [PFP 310 - Family and Consumer Economics](#) Credits: 3

courses, and the teaching field requirements listed here.

**Licensure requirements (49 credit hours)**

**Teaching Field - Business**

- [ACCTG 231 - Accounting for Business Operations](#) Credits: 3
- [ACCTG 241 - Accounting for Investing and Financing](#) Credits: 3
- [ENTRP 340 - Introduction to Entrepreneurship](#) Credits: 3
- [FINAN 450 - Principles of Finance](#) Credits: 3
- [GENBA 166 - Business Information Technology Skills Proficiency](#) Credits: 0
- [MANGT 366 - Information Technology for Business](#) Credits: 3
- [MANGT 390 - Business Law I](#) Credits: 3
- [MANGT 420 - Principles of Management](#) Credits: 3
- [MANGT 595 - Business Strategy](#) Credits: 3
- [MKTG 400 - Introduction to Marketing](#) Credits: 3
- [MKTG 450 - Consumer Behavior](#) Credits: 3
- [MKTG 542 - Fundamentals of Professional Selling](#) Credits: 3
- or
- [COMM 311 - Business and Professional Speaking](#) Credits: 3

**Supporting courses**

- [CIS 111 - Introduction to Computer Programming](#) Credits: 3
- or
- [MIS 411 - Studio 1: Business Programming Applications I](#) Credits: 3
- [ECON 110 - Principles of Macroeconomics](#) Credits: 3
- [ECON 120 - Principles of Microeconomics](#) Credits: 3
- [PFP 105 - Introduction to Personal Financial Planning](#) Credits: 3
- or
- [PFP 310 - Family and Consumer Economics](#) Credits: 3

<p><b>Additional Teacher Education Courses:</b></p> <ul style="list-style-type: none"> <li>• EDSEC 620 - Principles and Philosophy of Career and Technical Education <b>Credits: <u>2-3</u></b></li> <li>• EDSEC 621 - Program Planning in Career and Technical Education <b>Credits: <u>3</u></b></li> </ul>	<p><b>Additional Teacher Education Courses:</b></p> <ul style="list-style-type: none"> <li>• EDSEC 620 - Principles and Philosophy of Career and Technical Education <b>Credits: 2-3</b></li> <li>• EDSEC 621 - Program Planning in Career and Technical Education <b>Credits <u>2-3</u></b></li> </ul>
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### **EDENG English Teacher Licensure Program**

Rationale: Revision of the program to meet 120 hours mandated by KBOR and updating of the previous curriculum.

Impact Statement: Dr. Goodson has discussed with Dr. L. Benjamin and consent garnered. Email is an attached file.

[http://catalog.k-state.edu/preview\\_program.php?catoid=40&poid=13044&returnto=7005](http://catalog.k-state.edu/preview_program.php?catoid=40&poid=13044&returnto=7005)

<p><b>English (EDENG) Teacher Licensure Program</b> Bachelor degree requirements</p> <p>Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.</p> <p><b>Licensure requirements (39 credit hours)</b></p> <p><b>Three of the following four survey courses:</b></p> <ul style="list-style-type: none"> <li>• ENGL 361 - British Survey I <b>Credits: 3</b></li> <li>• ENGL 362 - British Survey II <b>Credits: 3</b></li> <li>• ENGL 381 - American Survey I <b>Credits: 3</b></li> <li>• ENGL 382 - American Survey II <b>Credits: 3</b></li> </ul> <p><b>Required:</b></p> <ul style="list-style-type: none"> <li>• ENGL elective 320 or above <b>Credits: 3</b></li> <li>• ENGL World literature course <b>Credits: 3</b></li> <li>• ENGL Literature electives at 600 level and above <b>Credits: 6</b></li> <li>• ENGL Composition elective <b>Credits: 3</b></li> <li>• ENGL 310 - Introduction to Literary Studies <b>Credits: 3</b></li> <li>• ENGL 350 - Introduction to Shakespeare <b>Credits: 3</b></li> <li>• ENGL 400 - Advanced Expository Writing for Prospective Teachers <b>Credits: 3</b></li> <li>• ENGL 435 - Linguistics for Teachers of English <b>Credits: 3</b></li> <li>• ENGL 545 - Literature for Adolescents <b>Credits: 3</b></li> </ul>	<p><b>English (EDENG) Teacher Licensure Program</b> Bachelor degree requirements</p> <p>Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.</p> <p><b>Licensure requirements (42 credit hours)</b></p> <p><b>Three of the following four survey courses:</b></p> <ul style="list-style-type: none"> <li>• ENGL 361 - British Survey I <b>Credits: 3</b></li> <li>• ENGL 362 - British Survey II <b>Credits: 3</b></li> <li>• ENGL 381 - American Survey I <b>Credits: 3</b></li> <li>• ENGL 382 - American Survey II <b>Credits: 3</b></li> </ul> <p><b>Required:</b></p> <ul style="list-style-type: none"> <li>• ENGL elective 320 or above <b>Credits: 3</b></li> <li>• ENGL World literature course <b>Credits: 3</b></li> <li>• ENGL Literature electives at 600 level and above <b>Credits: 6</b></li> <li>• ENGL Composition elective <b>Credits: 3</b></li> <li>• ENGL 310 - Introduction to Literary Studies <b>Credits: 3</b></li> <li>• ENGL 350 - Introduction to Shakespeare <b>Credits: 3</b></li> <li>• ENGL 400 - Advanced Expository Writing for Prospective Teachers <b>Credits: 3</b></li> <li>• ENGL 435 - Linguistics for Teachers of English <b>Credits: 3</b></li> <li>• ENGL 545 - Literature for Adolescents <b>Credits: 3</b></li> <li>• <b>ENGL 500 - Writing Center Theory and Practice Credits: 3</b></li> </ul>
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**EDESC Earth and Space Science Teaching Field**

Rationale: Revision of the program to meet 120 hours mandated by KBOR and updating of the previous curriculum.

Impact Statement: Dr. Goodson has discussed with Dr. L. Benjamin and consent garnered. Email is an attached file.

### **Earth and Space Science (EDESC) Teacher Licensure Program**

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#### **Bachelor degree requirements**

Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.

#### **Licensure requirement (64 credit hours)**

- GEOL 100 - Earth in Action **Credits: 3**
- GEOL 102 - Earth Through Time **Credits: 3**
- GEOL 103 - Geology Laboratory **Credits: 1**
- GEOL 105 - Oceanography **Credits: 3**
- GEOL 502 - Mineralogy **Credits: 3**
- GEOL 510 - Geology of Planets **Credits: 3**
- or
- GEOL 540 - Geologic Record of Climate Change **Credits: 3**
- GEOL 520 - Geomorphology **Credits: 3**
- or
- GEOL 630 - Sedimentology and Stratigraphy **Credits: 3**

#### **Supporting courses required**

- BIOL 198 - Principles of Biology **Credits: 4**
- ~~BIOL 303 - Ecology of Environmental Problems **Credits: 3**~~
- CHM 210 - Chemistry I **Credits: 4**
- CHM 230 - Chemistry II **Credits: 4**
- EDSEC 614 - Laboratory Techniques in Teaching Science **Credits: 3**
- GEOG 221 - Introductory Physical Geography **Credits: 4**
- GEOG 535 - Fundamentals of Climatology **Credits: 4**
- MATH 100 - College Algebra **Credits: 3**
- MATH 150 - Plane Trigonometry **Credits: 3**

### **Earth and Space Science (EDESC) Teacher Licensure Program**

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#### **Bachelor degree requirements**

Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.

#### **Licensure requirement (62 credit hours)**

- GEOL 100 - Earth in Action **Credits: 3**
- GEOL 102 - Earth Through Time **Credits: 3**
- GEOL 103 - Geology Laboratory **Credits: 1**
- GEOL 105 - Oceanography **Credits: 3**
- GEOL 502 - Mineralogy **Credits: 3**
- GEOL 510 - Geology of Planets **Credits: 3**
- or
- GEOL 540 - Geologic Record of Climate Change **Credits: 3**
- GEOL 520 - Geomorphology **Credits: 3**
- or
- GEOL 630 - Sedimentology and Stratigraphy **Credits: 3**

#### **Supporting courses required**

- BIOL 198 - Principles of Biology **Credits: 4**
- CHM 210 - Chemistry I **Credits: 4**
- CHM 230 - Chemistry II **Credits: 4**
- EDSEC 614 - Laboratory Techniques in Teaching Science **Credits: 3**
- GEOG 221 - Introductory Physical Geography **Credits: 4**
- GEOG 535 - Fundamentals of Climatology **Credits: 4**
- MATH 100 - College Algebra **Credits: 3**
- MATH 150 - Plane Trigonometry **Credits: 3**
- PHYS 113 - General Physics I **Credits: 4**
- PHYS 114 - General Physics II **Credits: 4**

<ul style="list-style-type: none"> <li>• PHYS 113 - General Physics I <b>Credits: 4</b></li> <li>• PHYS 114 - General Physics II <b>Credits: 4</b></li> <li>• PHYS 191 - Descriptive Astronomy <b>Credits: 3</b></li> <li>• STAT 325 - Introduction to Statistics <b>Credits: 3</b></li> </ul> <p><b>Note</b></p> <p>It is highly recommended that additional courses be selected to fulfill requirements for an additional teaching area in biology, physics, or chemistry. The course selection should be made in consultation with the science education advisor.</p>	<ul style="list-style-type: none"> <li>• PHYS 191 - Descriptive Astronomy <b>Credits: 3</b></li> <li>• STAT 325 - Introduction to Statistics <b>Credits: 3</b></li> </ul> <p><b>Note</b></p> <p>It is highly recommended that additional courses be selected to fulfill requirements for an additional teaching area in biology, physics, or chemistry. The course selection should be made in consultation with the science education advisor.</p>
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## **EDJOR Journalism Teacher Licensure Program**

Rationale: Revision of the program to meet 120 hours mandated by KBOR and updating of the previous curriculum.

Impact Statement: Dr. Goodson has discussed with Dr. L. Benjamin and consent garnered. Email is an attached file.

[http://catalog.k-state.edu/preview\\_program.php?catoid=40&poid=13041&returnto=7005](http://catalog.k-state.edu/preview_program.php?catoid=40&poid=13041&returnto=7005)

## Journalism (EDJOR) Teacher Licensure Program

### Bachelor degree requirements

Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.

### Licensure requirements (33 credit hours)

- MC 110 - Mass Communication in Society **Credits: 3**
- MC 200 - News Reporting and Writing Across Platforms **Credits: 3**
- MC 340 - Editing for Print and Online Media **Credits: 3**
- MC 251 - Digital News **Credits: 3**
- MC 331 - Digital Photography for Mass Media **Credits: 3**
- MC 406 - KKSU-TV News Reporting **Credits: 3**
- MC 466 - Law of Mass Communications **Credits: 3**
- MC 605 - Supervision of School Publications **Credits: 3**

### Electives (Recommended courses) (6 credit hours):

- ~~General education elective **Credits: 3**~~
- MC 120 - Principles of Advertising **Credits: 3**
- MC 180 - Principles of Public Relations **Credits: 3**
- ~~MC 403 - Advanced Reporting and Writing Across Platforms **Credits: 3**~~
- ~~MC 341 - Media Design and Data Visualization **Credits: 3**~~
- ~~MC 471 - Advanced Production **Credits: 3**~~
- ~~MC 564 - History of Mass Communication **Credits: 3**~~
- ~~MC 573 - Ethics in Mass Communication **Credits: 3**~~
- ~~MC 580 - Storytelling Across Platforms **Credits: 3**~~

## Journalism (EDJOR) Teacher Licensure Program

### Bachelor degree requirements

Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.

### Licensure requirements (42 credit hours)

- MC 110 - Mass Communication in Society **Credits: 3**
- MC 200 - News Reporting and Writing Across Platforms **Credits: 3**
- MC 251 - Digital News **Credits: 3**
- MC 331 - Digital Photography for Mass Media **Credits: 3**
- MC 340 - Editing for Print and Online Media **Credits: 3**
- MC 406 - KKSU-TV News Reporting **Credits: 3**
- MC 466 - Law of Mass Communications **Credits: 3**
- MC 605 - Supervision of School Publications **Credits: 3**
- MC 120 - Principles of Advertising **Credits: 3**
- MC 180 - Principles of Public Relations **Credits: 3**
- MC 130 - Writing Conventions and Mechanics **Credits:-1**
- MC 131 - Media Writing Styles and Platforms **Credits:-1**
- MC 132 - Writing Perspectives **Credits:-1**
- MC 160 - Principles of Journalism **Credits:-3**
- MC 191 - Audio Production Foundations **Credits:-1**
- MC 192 - Pixel Foundations **Credits:-1**
- MC 193 - Video Production Foundations **Credits:-1**
- MC 194 - Social Media Foundations **Credits:-1**
- MC 195 - Vector Foundations **Credits:-1**
- MC 196 - Web-CMS Foundations **Credits:-1**

## EDSPH Speech Teacher Licensure Program

Rationale: Revision of the program to meet 120 hours mandated by KBOR and updating of the previous curriculum.

Impact: Dr. Goodson has discussed with Dr. L. Benjamin and consent garnered. Email is an attached file.

[http://catalog.k-state.edu/preview\\_program.php?catoid=40&poid=13037](http://catalog.k-state.edu/preview_program.php?catoid=40&poid=13037)

<b>Speech (EDSPH) Teacher Licensure Program</b>	<b>Speech (EDSPH) Teacher Licensure Program</b>
<p data-bbox="203 485 565 518"><b>Bachelor degree requirements</b></p> <p data-bbox="203 554 846 711">Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.</p> <p data-bbox="203 747 695 781"><b>Licensure requirements (42 credit hours)</b></p> <p data-bbox="203 819 857 945"><b>All speech education majors are required to complete 36 hours of communication studies and theatre courses in addition to COMM 105 or 106, Public Speaking IA or I.</b></p> <ul data-bbox="251 982 805 1081" style="list-style-type: none"><li>• <del>COMM 105 - Public Speaking IA Credits: 2</del></li><li>• <del>or</del></li><li>• <del>COMM 106 - Public Speaking I Credits: 3</del></li></ul> <p data-bbox="203 1119 326 1152"><b>Required:</b></p> <ul data-bbox="251 1188 867 1866" style="list-style-type: none"><li>• COMM 321 - Public Speaking II <b>Credits: 3</b></li><li>• COMM 322 - Interpersonal Communication <b>Credits: 3</b></li><li>• COMM 325 - Argumentation and Debate <b>Credits: 3</b></li><li>• COMM 326 - Small Group Discussion Methods <b>Credits: 3</b></li><li>• COMM 330 - Rhetoric in Western Thought <b>Credits: 3</b></li><li>• COMM 426 - Coaching and Directing Speech Activities <b>Credits: 3</b></li><li>• MC 110 - Mass Communication in Society <b>Credits: 3</b></li><li>• THTRE 261 - Fundamentals of Acting <b>Credits: 3</b></li><li>• THTRE 263 - Oral Interpretation of Literature <b>Credits: 3</b></li><li>• THTRE 270 - Introduction to Theatre <b>Credits: 3</b></li><li>• THTRE 368 - Fundamentals of Technical Production <b>Credits: 3</b></li><li>• THTRE 565 - Principles of Directing <b>Credits: 3</b></li><li>• <del>THTRE 500 level or above in theatre Credits: 3</del></li></ul>	<p data-bbox="889 485 1256 518"><b>Bachelor degree requirements</b></p> <p data-bbox="889 554 1539 711">Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.</p> <p data-bbox="889 747 1386 781"><b>Licensure requirements (47 credit hours)</b></p> <ul data-bbox="938 888 1560 1827" style="list-style-type: none"><li>• COMM 321 - Public Speaking II <b>Credits: 3</b></li><li>• COMM 322 - Interpersonal Communication <b>Credits: 3</b></li><li>• COMM 325 - Argumentation and Debate <b>Credits: 3</b></li><li>• COMM 326 - Small Group Discussion Methods <b>Credits: 3</b></li><li>• COMM 330 - Rhetoric in Western Thought <b>Credits: 3</b></li><li>• COMM 426 - Coaching and Directing Speech Activities <b>Credits: 3</b></li><li>• MC 110 - Mass Communication in Society <b>Credits: 3</b></li><li>• <del>THTRE 211 Run Crew (concurrent w/ THTRE 369) Credits: 1</del></li><li>• <del>THTRE 212 Wardrobe Crew (concurrent with THTRE 368) Credits: 1</del></li><li>• THTRE 261 - Fundamentals of Acting <b>Credits: 3</b></li><li>• THTRE 263 - Oral Interpretation of Literature <b>Credits: 3</b></li><li>• <del>THTRE 280 Script Analysis Credits: 3</del></li><li>• THTRE 270 - Introduction to Theatre <b>Credits: 3</b></li><li>• THTRE 368 - Fundamentals of Technical Production <b>Credits: 3</b></li><li>• <del>THTRE 369 Fund of Theatr Design Credits: 3</del></li><li>• THTRE 565 - Principles of Directing <b>Credits: 3</b></li><li>• <del>THTRE 572 History of Thtre 1 Credits: 3</del></li><li>• <del>OR</del></li><li>• <del>THTRE 573 Hist of Thtre 2 Credits 3</del></li></ul>

## EDSST Social Studies Education Curriculum

Rationale: Revision of the program to meet 120 hours mandated by KBOR and updating of the previous curriculum.

Impact: Dr. Goodson has discussed with Dr. L. Benjamin and consent garnered. Email is an attached file.

[http://catalog.k-state.edu/preview\\_program.php?catoid=40&poid=13036&returnto=7005](http://catalog.k-state.edu/preview_program.php?catoid=40&poid=13036&returnto=7005)

<b>Social Studies (EDSST) Teacher Licensure Program</b>	<b>Social Studies (EDSST) Teacher Licensure Program</b>
<p><b>Bachelor degree requirements</b></p> <p>Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.</p> <p><b>Licensure requirements (64 credit hours)</b></p> <p><b>Core courses required:</b></p> <p>ANTH 204 - A General Education Introduction to Cultural Anthropology Credits: 3 ECON 110 - Principles of Macroeconomics Credits: 3 ECON 120 - Principles of Microeconomics Credits: 3 <del>EDSEC 528 - Social Studies Colloquium Credits: 3</del></p> <p><del>(Must be taken concurrently with Bloek II)</del></p> <p>GEOG 100 - World Geography &amp; Globalization Credits: 3 GEOG 200 - Human Geography Credits: 3 GEOG 221 - Introductory Physical Geography Credits: 4 HIST 111 - World History to 1450 Credits: 3 HIST 112 - World History From 1450 Credits: 3 HIST 251 - History of the United States to 1877 Credits: 3 HIST 252 - History of the United States Since 1877 Credits: 3 HIST 558 - History of Kansas Credits: 3 POLSC 115 - U.S. Politics Credits: 3 POLSC 135 - Introduction to Comparative Politics Credits: 3 or POLSC 333 - World Politics Credits: 3 POLSC 301 - Introduction to Political Thought Credits: 3 SOCIO 211 - Introduction to Sociology Credits: 3</p> <p><b>History courses</b></p> <p><del>(Must be 500-level courses)</del></p> <p><del>U.S. history (at least 3 credits) Credits: 3</del> <del>Non-U.S. history (at least 3 credits) Credits: 3</del></p> <p><b>Upper-level social studies</b> (Must include 9 credits; <del>one listed course from three</del> of the following departments) Political science:</p> <p><del>POLSC 301 - Introduction to Political Thought Credits: 3</del> POLSC 321 - Kansas Politics and Government Credits: 3 POLSC 333 - World Politics Credits: 3 POLSC 525 - U.S. National Government and Politics Credits: 3 POLSC 543 - American Foreign Policy Credits: 3 POLSC 603 - Political Parties and Elections Credits: 3 POLSC 605 - The American Presidency Credits: 3 POLSC 614 - Constitutional Law Credits: 3 POLSC 615 - The Constitution, Civil Rights and Civil Liberties Credits: 3 POLSC 667 - American Political Thought Credits: 3</p> <p><b>Geography:</b></p>	<p><b>Bachelor degree requirements</b></p> <p>Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.</p> <p><b>Licensure requirements (57 credit hours)</b></p> <p><b>Core courses required: 46</b></p> <p>ANTH 204 - A General Education Introduction to Cultural Anthropology Credits: 3 ECON 110 - Principles of Macroeconomics Credits: 3 ECON 120 - Principles of Microeconomics Credits: 3 GEOG 100 - World Geography &amp; Globalization Credits: 3 GEOG 200 - Human Geography Credits: 3 GEOG 221 - Introductory Physical Geography Credits: 4 HIST 111 - World History to 1450 Credits: 3 HIST 112 - World History From 1450 Credits: 3 HIST 251 - History of the United States to 1877 Credits: 3 HIST 252 - History of the United States Since 1877 Credits: 3 HIST 558 - History of Kansas Credits: 3 POLSC 115 - U.S. Politics Credits: 3 POLSC 135 - Introduction to Comparative Politics Credits: 3 or POLSC 333 - World Politics Credits: 3 POLSC 301 - Introduction to Political Thought Credits: 3 SOCIO 211 - Introduction to Sociology Credits: 3</p> <p><b>Upper-level social studies - 6</b> (Must select 6 hours from any of the following departments)</p> <p><b>A. U.S. History: Any 500-level US HIST Course</b></p> <p><b>B. Non-U.S. History: Any 500-level Non-US HIST Course</b></p> <p><b>C. Political science:</b></p> <p>POLSC 321 - Kansas Politics and Government Credits: 3 POLSC 333 - World Politics Credits: 3 POLSC 525 - U.S. National Government and Politics Credits: 3 POLSC 543 - American Foreign Policy Credits: 3 POLSC 603 - Political Parties and Elections Credits: 3 POLSC 605 - The American Presidency Credits: 3 POLSC 614 - Constitutional Law Credits: 3 POLSC 615 - The Constitution, Civil Rights and Civil Liberties Credits: 3 POLSC 667 - American Political Thought Credits: 3</p> <p><b>D. Geography:</b></p>



GEOG 302 - Cartography and Thematic Mapping Credits: 3  
GEOG 310 - Geography of Kansas Credits: 3  
GEOG 340 - Natural Resources Credits: 3  
GEOG 460 - Human Dimensions of Global Change Credits: 3  
GEOG 500 - Geography of the United States Credits: 3  
GEOG 508 - Geographic Information Systems I Credits: 4  
GEOG 535 - Fundamentals of Climatology Credits: 4  
GEOG 620 - Mexico, Central America, and Caribbean Credits: 3  
GEOG 640 - Geography of Europe Credits: 3  
GEOG 690 - Historical Geography of the United States Credits: 3

**Economics:**

ECON 510 - Intermediate Macroeconomics Credits: 3  
ECON 520 - Intermediate Microeconomics Credits: 3  
ECON 523 - Human Resource Economics Credits: 3  
ECON 530 - Money and Banking Credits: 3  
ECON 536 - Comparative Economics Credits: 3  
ECON 555 - Urban and Regional Economics Credits: 3  
ECON 681 - International Trade Credits: 3

**Sociology:**

SOCIO 360 - Social Problems Credits: 3  
SOCIO 440 - Social Organization Credits: 3  
SOCIO 450 - Introduction to Social Interaction Credits: 3  
SOCIO 507 - International Development and Social Change Credits: 3  
SOCIO 431 - Comparative Social Theories Credits: 3  
SOCIO 533 - Society, Food, and Agriculture Credits: 3  
SOCIO 535 - Population Dynamics Credits: 3  
SOCIO 541 - Wealth, Power, and Privilege Credits: 3  
SOCIO 545 - The Sociology of Women Credits: 3  
SOCIO 570 - Race and Ethnic Relations in the USA Credits: 3  
SOCIO 618 - Religion in Culture Credits: 3

**Anthropology:**

ANTH 260 - Introduction to Archeology Credits: 3  
ANTH 350 - Topics for Educators Credits: 1-4  
~~ANTH 560 - Archaeological Fact or Fiction Credits: 3~~  
ANTH 505 - South Asian Civilizations Credits: 3  
~~ANTH 512 - Political Anthropology Credits: 3~~  
~~ANTH 515 - Creativity and Culture Credits: 3~~  
~~ANTH 568 - Topics in Archaeology Credits: 1-4~~  
~~ANTH 513 - Immigrant America Credits: 3~~  
ANTH 365 - Exploring Kansas Archaeology Credits: 3  
ANTH 618 - Religion in Culture Credits: 3  
~~ANTH 605 - North American Indians Credits: 3~~

GEOG 302 - Cartography and Thematic Mapping Credits: 3  
GEOG 310 - Geography of Kansas Credits: 3  
GEOG 340 - Natural Resources Credits: 3  
GEOG 460 - Human Dimensions of Global Change Credits: 3  
GEOG 500 - Geography of the United States Credits: 3  
GEOG 508 - Geographic Information Systems I Credits: 4  
GEOG 535 - Fundamentals of Climatology Credits: 4  
GEOG 620 - Mexico, Central America, and Caribbean Credits: 3  
GEOG 640 - Geography of Europe Credits: 3  
GEOG 690 - Historical Geography of the United States Credits: 3

**E. Economics:**

ECON 510 - Intermediate Macroeconomics Credits: 3  
ECON 520 - Intermediate Microeconomics Credits: 3  
ECON 523 - Human Resource Economics Credits: 3  
ECON 530 - Money and Banking Credits: 3  
ECON 536 - Comparative Economics Credits: 3  
ECON 555 - Urban and Regional Economics Credits: 3  
ECON 681 - International Trade Credits: 3

**F. Sociology:**

SOCIO 360 - Social Problems Credits: 3  
SOCIO 440 - Social Organization Credits: 3  
SOCIO 450 - Introduction to Social Interaction Credits: 3  
SOCIO 507 - International Development and Social Change Credits: 3  
SOCIO 431 - Comparative Social Theories Credits: 3  
SOCIO 533 - Society, Food, and Agriculture Credits: 3  
SOCIO 535 - Population Dynamics Credits: 3  
SOCIO 541 - Wealth, Power, and Privilege Credits: 3  
SOCIO 545 - The Sociology of Women Credits: 3  
SOCIO 570 - Race and Ethnic Relations in the USA Credits: 3  
SOCIO 618 - Religion in Culture Credits: 3

**G. Anthropology:**

ANTH 260 - Introduction to Archeology Credits: 3  
ANTH 305 Culture of South Asia – Credits: 3  
ANTH 350 - Topics for Educators Credits: 1-4  
ANTH 505 - South Asian Civilizations Credits: 3  
ANTH 365 - Exploring Kansas Archaeology Credits: 3  
ANTH 618 - Religion in Culture Credits: 3

Additional Teacher Education Course: 5  
EDSEC 328 Social Studies Colloquium I (1)  
EDSEC 428 Social Studies Colloquium II (1)  
EDSEC 528 Social Studies Colloquium III (Must be taken concurrently with Block II) (3)

## **Physics (EDPHY) Teacher Licensure Program**

Rationale: Revision of the program to meet 120 hours mandated by KBOR and updating of the previous curriculum.

Impact Statement: Dr. Goodson has discussed with Dr. L. Benjamin and consent garnered. Email is an attached file.

[http://catalog.k-state.edu/preview\\_program.php?catoid=40&poid=13155&returnto=7005](http://catalog.k-state.edu/preview_program.php?catoid=40&poid=13155&returnto=7005)

## Physics (EDPHY) Teacher Licensure Program

**Bachelor degree requirements:** Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.

### Licensure requirement (65 credit hours)

- PHYS 122 - Physics Today I Credits: 1
- PHYS 123 - Physics Today II Credits: 1
- PHYS 191 - Descriptive Astronomy Credits: 3
- PHYS 223 - Physics I, Mechanics, and Thermodynamics Credits: 5
- PHYS 224 - Physics II, Electromagnetism, and Sound Credits: 5
- PHYS 325 - Physics III, Relativity, and Quantum Physics Credits: 4
- PHYS 506 - Advanced Physics Laboratory Credits: 4
- PHYS 522 - Mechanics Credits: 4
- PHYS 532 - Electromagnetic Fields I Credits: 4

### Supporting courses required

- BIOL 198 - Principles of Biology Credits: 4
- CHM 210 - Chemistry I Credits: 4
- ~~CHM 230 - Chemistry II Credits: 4~~
- EDSEC 614 - Laboratory Techniques in Teaching Science Credits: 3
- ~~GEOL 103 - Geology Laboratory Credits: 4~~
- ~~GEOL 100 - Earth in Action Credits: 3~~
- ~~or~~
- ~~GEOL 512 - Earth Science Credits: 3~~
- MATH 220 - Analytic Geometry and Calculus I Credits: 4
- MATH 221 - Analytic Geometry and Calculus II Credits: 4
- MATH 222 - Analytic Geometry and Calculus III Credits: 4
- MATH 340 - Elementary Differential Equations Credits: 4

## Physics (EDPHY) Teacher Licensure Program

**Bachelor degree requirements:** Students seeking this teacher licensure program must complete the bachelor degree requirements for secondary education, including the general education requirements, teacher education courses, and the teaching field requirements listed here.

### Licensure requirement (58 credit hours)

- PHYS 122 - Physics Today I Credits: 1
- PHYS 123 - Physics Today II Credits: 1
- PHYS 191 - Descriptive Astronomy Credits: 3
- PHYS 223 - Physics I, Mechanics, and Thermodynamics Credits: 5
- PHYS 224 - Physics II, Electromagnetism, and Sound Credits: 5
- PHYS 325 - Physics III, Relativity, and Quantum Physics Credits: 4
- PHYS 506 - Advanced Physics Laboratory Credits: 4
- PHYS 522 - Mechanics Credits: 4
- PHYS 532 - Electromagnetic Fields I Credits: 4

### Supporting courses required

- BIOL 198 - Principles of Biology Credits: 4
- CHM 210 - Chemistry I Credits: 4
- EDSEC 614 - Laboratory Techniques in Teaching Science Credits: 3
- MATH 220 - Analytic Geometry and Calculus I Credits: 4
- MATH 221 - Analytic Geometry and Calculus II Credits: 4
- MATH 222 - Analytic Geometry and Calculus III Credits: 4
- MATH 340 - Elementary Differential Equations Credits: 4

Note: It is highly recommended that additional courses be selected to fulfill requirements for an additional teaching area in chemistry or mathematics. The course selection should be made in consultation with the science education advisor.

Note: It is highly recommended that additional courses be selected to fulfill requirements for an additional teaching area in chemistry or mathematics. The course selection should be made in consultation with the science education advisor.