

Supplemental Information - Curriculum proposals

FS Academic Affairs Committee Review

December 4, 2018 Meeting

Arts and Sciences

Geology BA/BS – New tracks: Petroleum Geosciences and Environmental Geosciences

Contact person(s) for this proposal: Pamela Kempton

<https://kstate.curriculog.com/proposal:2482/form>

Rationale: Recent research suggests that few students are offered the opportunity to study geology at the high school level. As a result, they have limited knowledge of the geosciences as a discipline and career, and are less likely to consider it for their major at college. Some subdisciplines of geology, however, such as environmental and petroleum geosciences, have greater “name recognition”. They are also areas of anticipated job growth over the next decade. The curriculum change we are proposing here is to introduce three tracks within the geology program that provide the opportunity for great concentration of study in priority subdisciplines. We will retain the current general Geology program as one track, while introducing new tracks for Petroleum Geosciences and Environmental Geosciences. Our purpose in affecting this curriculum change is to (a) provide a more attractive program for prospective students to aid in recruitment and (b) better prepare our graduates for potential careers in these vital sectors of today’s economy.

Impact (i.e. if this impacts another unit) – Statement should include the date when the head of a unit was contacted, and the response or lack of: The proposed changes should have limited, if any, impact on other departments. The repackaging of courses for the curriculum is at a higher level with the Geology program, so should only affect geology majors. Justifications for changes to existing courses or addition of new courses are provided in the course add / course change forms submitted for those courses.

<p>Geology majors should consult their advisors about elective courses to meet their career and educational needs. Computer literacy is essential for all geologists. Departmental advisors can recommend electives for students desiring concentrations in energy and minerals resources, engineering geology, exploration seismic and near surface geophysics, environmental geology and geochemistry, hydrogeology, igneous petrology, geochronology, sedimentary geology, biomineralization and biogeochemistry. Students intending to earn advanced degrees should visit with the departmental graduate advisor concerning entrance requirements of graduate programs.</p> <p>Bachelor’s degree requirements Geology option</p>	<p>Geology majors should consult their advisors about elective courses to meet their career and educational needs. <u>A wide range of geoscience subdisciplines exist that provide exciting and viable career options, e.g. hydrology, energy and minerals resources, engineering geology, exploration seismic and near-surface geophysics, environmental geology and geochemistry, igneous and metamorphic petrology, structural geology, geochronology, sedimentary geology, biomineralization and biogeochemistry – just to name a few. Geology majors should consult their advisors about elective courses to meet their career and educational needs. Quantitative skills and computer literacy are essential for all geologists and are strongly encouraged. Students intending to earn advanced degrees should visit with the departmental graduate advisor concerning entrance requirements of graduate programs.</u></p> <p>Bachelor’s degree requirements</p>
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<p>In addition to the general requirements for the BA or BS degree, the following must be completed:</p> <p>CHM 210 - Chemistry I Credits: 4 CHM 230 - Chemistry II Credits: 4 GEOL 100 - Earth in Action Credits: 3 GEOL 102 - Earth Through Time Credits: 3 GEOL 103 - Geology Laboratory Credits: 1 GEOL 502 - Mineralogy Credits: 3 GEOL 503 - Petrology Credits: 3 GEOL 530 - Structural Geology Credits: 3 GEOL 560 - Field Methods Credits: 3 GEOL 630 - Sedimentology and Stratigraphy Credits: 3 GEOL 680 - Field Geology Credits: 3 MATH 220 - Analytic Geometry and Calculus I Credits: 4 MATH 221 - Analytic Geometry and Calculus II Credits: 4</p> <p>PHYS 113 - General Physics I Credits: 4 or PHYS 213 - Engineering Physics I Credits: 5 PHYS 114 - General Physics II Credits: 4 or PHYS 214 - Engineering Physics II Credits: 5</p> <p>Electives Plus at least one each from Groups I, II and III below and one additional elective from Groups I, II, III, or IV.</p> <p>Group I</p> <p>GEOL 605 - Introduction to Geochemistry Credits: 3 GEOL 640 - Introduction to Geophysics Credits: 3</p> <p>Group II (Energy and Natural Resources)</p> <p>GEOL 702 - Economic Geology Credits: 3 GEOL 730 - Petroleum Geology Credits: 3 GEOL 742 - Seismic Data Interpretation Credits: 3</p> <p>Group III (Surficial Processes and the Environment)</p> <p>GEOL 520 - Geomorphology Credits: 3 GEOL 611 - Hydrogeology Credits: 3 GEOL 650 - Geomicrobiology Credits: 3</p>	<p><u>The department offers three tracks within the geology degree: Geology, Petroleum Geosciences, and Environmental Geosciences.</u></p> <p>In addition to the general requirements for the BA or BS degree, the following must be completed:</p> <p>CHM 210 - Chemistry I Credits: 4 CHM 230 - Chemistry II Credits: 4 GEOL 100 - Earth in Action Credits: 3 GEOL 102 - Earth Through Time Credits: 3 GEOL 103 - Geology Laboratory Credits: 1 GEOL 502 - Mineralogy Credits: 3 GEOL 503 - Petrology Credits: 3 GEOL 530 - Structural Geology Credits: 3 GEOL 560 - Field Methods Credits: 3 GEOL 630 - Sedimentology and Stratigraphy Credits: 3 GEOL 680 - Field Geology Credits: 3 MATH 220 - Analytic Geometry and Calculus I Credits: 4 MATH 221 - Analytic Geometry and Calculus II Credits: 4 <u>Or</u> <u>GEOL 360 – Quantitative Methods in Geoscience Credits: 3</u> PHYS 113 - General Physics I Credits: 4 or PHYS 213 - Engineering Physics I Credits: 5 PHYS 114 - General Physics II Credits: 4 or PHYS 214 - Engineering Physics II Credits: 5</p> <p>Electives- <u>Geology track</u></p> <p><u>Plus at least four electives described below:</u></p> <p><u>Choose one from Group I</u></p> <p>Group I</p> <p>GEOL 605 - Introduction to Geochemistry Credits: 3 GEOL 640 - Introduction to Geophysics Credits: 3</p> <p><u>Choose one from Group II</u> Group II (Energy and Natural Resources)</p> <p>GEOL 702 - Economic Geology Credits: 3 GEOL 730 - Petroleum Geology Credits: 3 GEOL 742 - Seismic Data Interpretation Credits: 3</p> <p><u>Choose one from Group III</u> Group III (Surficial Processes and the Environment)</p> <p>GEOL 520 - Geomorphology Credits: 3 GEOL 611 - Hydrogeology Credits: 3 GEOL 650 - Geomicrobiology Credits: 3</p>
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Group IV (Other Electives)

~~GEOL 540—Geologic Record of Climate Change Credits: 3~~

~~* GEOL 581—Principles of Paleontology Credits: 3~~

~~GEOL 599—Senior Thesis Credits: 1-3~~

~~GEOL 642—Field Geophysics Credits: 3~~

~~* GEOL 650—Geomicrobiology Credits: 3~~

~~GEOL 704—Carbonate Paleoenvironments Credits: 3~~

~~GEOL 708—Sedimentary Geochemistry Credits: 3~~

~~GEOL 711—Water Resources Geochemistry Credits: 3~~

~~GEOL 735—Fossil Fuel Sedimentology Credits: 3~~

~~GEOL 738—Formation Evaluation Credits: 3~~

~~GEOL 740—Regional Geology Credits: 3~~

~~GEOL 741—Seismic Data Processing Credits: 3~~

~~GEOL 760—Geochemical and Biogeochemical Modeling Credits: 3~~

~~GEOL 770—Subsurface Methods Credits: 3~~

~~GEOL 806—Sedimentary Petrology Credits: 4~~

~~GEOL 810—Isotope Geology Credits: 3~~

~~GEOL 830—Geotectonics Credits: 3~~

~~GEOL 880—Clay Mineralogy Credits: 3~~

*NOTE: GEOL 581 and GEOL 650 simultaneously satisfy CAS Life Sciences requirement

Total Geology Credit Hours: 37

Choose one additional elective from any of Groups I, II, II (above or IV (below))

Group IV (Other Electives)

Any remaining Geology course 500-level or above.

*NOTE: GEOL 581 and GEOL 650 simultaneously satisfy CAS Life Sciences requirement

Total Geology Credit Hours: 37

Electives – Petroleum Geosciences Track

Plus at least four electives as described below.

Choose one from Group I

Group I

GEOL 605 – Introduction to Geochemistry Credits: 3

GEOL 640 – Introduction to Geophysics Credits: 3

Choose two from Group II

Group II (Energy and Natural Resources)

GEOL 702 – Economic Geology Credits: 3

GEOL 730 – Petroleum Geology Credits: 3

GEOL 742 – Seismic Data Interpretation Credits: 3

Choose two additional electives from any of Groups I, II, III, or IV

Group III (Surficial Processes and the Environment)

GEOL 520 - Geomorphology Credits: 3

GEOL 611 – Hydrogeology Credits: 3

GEOL 650 – Geomicrobiology Credits: 3

Group IV (Other Electives)

Any remaining Geology course 500-level or above

*NOTE: GEOL 581 and GEOL 650 simultaneously satisfy CAS Life Sciences requirement.

Total Geology Credit Hours: 37

<p>Transfer students In addition to the general instructions to transfer students, students planning to pursue a degree in geology should complete as many of the following courses or their equivalents as possible, then follow the course requirements for the geology option described above:</p> <p>CHM 210 - Chemistry I Credits: 4 CHM 230 - Chemistry II Credits: 4 COMM 105 - Public Speaking IA Credits: 2 ENGL 100 - Expository Writing I Credits: 3 ENGL 200 - Expository Writing II Credits: 3 GEOL 100 - Earth in Action Credits: 3 GEOL 103 - Geology Laboratory Credits: 1 MATH 100 - College Algebra Credits: 3 MATH 150 - Plane Trigonometry Credits: 3 MATH 220 - Analytic Geometry and Calculus I Credits: 4 MATH 221 - Analytic Geometry and Calculus II Credits: 4</p> <p>PHYS 213 - Engineering Physics I Credits: 5 or</p>	<p><u>Electives – Environmental Geosciences Track</u></p> <p><u>Plus at least four electives as described below.</u></p> <p><u>Choose one from Group I</u> <u>Group I</u> <u>GEOL 605 – Introduction to Geochemistry Credits: 3</u> <u>GEOL 640 – Introduction to Geophysics Credits: 3</u></p> <p><u>Choose two from Group III</u> <u>Group III (Surficial Processes and the Environment)</u> <u>GEOL 520 – Geomorphology Credits: 3</u> <u>GEOL 611 – Hydrology Credits: 3</u> <u>GEOL 650 - Geomicrobiology Credits: 3</u></p> <p><u>Choose two additional electives from any of Groups I, II, III, or IV</u></p> <p><u>Group II (Energy and Natural Resources)</u> <u>GEOL 702 – Economic Geology Credits: 3</u> <u>GEOL 730 – Petroleum Geology Credits: 3</u> <u>GEOL 742 – Seismic Data Interpretation Credits: 3</u></p> <p><u>Group IV (Other Electives)</u> <u>Any remaining Geology course 500-level or above</u></p> <p><u>*Note: GEOL 581 and GEOL 650 simultaneously satisfy the CAS Life Sciences requirement.</u></p> <p><u>Total Geology Credit Hours: 37</u></p> <p>Transfer students In addition to the general instructions to transfer students, students planning to pursue a degree in geology should complete as many of the following courses or their equivalents as possible, then follow the course requirements for the geology option described above:</p> <p>CHM 210 - Chemistry I Credits: 4 CHM 230 - Chemistry II Credits: 4 COMM 105 - Public Speaking IA Credits: 2 ENGL 100 - Expository Writing I Credits: 3 ENGL 200 - Expository Writing II Credits: 3 GEOL 100 - Earth in Action Credits: 3 GEOL 103 - Geology Laboratory Credits: 1 MATH 100 - College Algebra Credits: 3 MATH 150 - Plane Trigonometry Credits: 3 MATH 220 - Analytic Geometry and Calculus I Credits: 4 MATH 221 - Analytic Geometry and Calculus II Credits: 4</p> <p><u>Or</u> <u>GEOL 360 – Quantitative Methods in Geoscience Credits: 3</u> PHYS 213 - Engineering Physics I Credits: 5 or</p>
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PHYS 113 - General Physics I Credits: 4 PHYS 214 - Engineering Physics II Credits: 5 or PHYS 114 - General Physics II Credits: 4 Total credit hours required for graduation: (120)	PHYS 113 - General Physics I Credits: 4 PHYS 214 - Engineering Physics II Credits: 5 or PHYS 114 - General Physics II Credits: 4 Total credit hours required for graduation: (120)
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Music Education (B.M.E)

<https://kstate.curriculog.com/proposal:2729/form>

Rationale: The rationale for this change is to align the current general education requirements with other music degrees as well as lower the total hours for degree completion to get closer to the KBOR requirement of 120 credits. Currently, the degree is at 141-142 depending upon the track. This requested change would eliminate the variation and make the Bachelor of Music Education 132 hours for both vocal and instrumental students.

Impact (i.e. if this impacts another unit) – Statement should include the date when the head of a unit was contacted, and the response or lack of: The department head was contacted in the summer of 2017 to begin revising the curriculum to meet the KBOR requirements. Upon a detailed analysis, it was revealed that there was a larger task at hand and restructuring of the courses and an examination of all courses involved. The following proposal would eliminate some general education courses and prescribe specific courses to meet current requirements in more than one area while maintaining the integrity of the degree with respect to our current accreditation. Department heads (history and philosophy) were contacted.

Music Education (B.M.E.) The program of study leading to this degree is a nine-semester curriculum designed to prepare music teachers for grades pre K–12. With careful planning and enrollment during summer session(s) all requirements may be completed in four years. Within this curriculum there are two emphases–vocal/choral music, and instrumental music. Bachelor’s degree requirements Professional educational requirements DED 075 - Orientation to Teacher Education at KSU Credits: 0 EDCI 318 - Educational Technology for Teaching and Learning Credits: 1 EDCEP 315 - Educational Psychology Credits: 3 EDCEP 525 - Interpersonal Relations in the Schools Credits: 1 EDSEC 200 - Teaching as a Career Credits: 1 EDSEC 230 - Early Field Experience Credits: 1 EDSEC 310 - Foundations of Education Credits: 3 EDSEC 376 - Core Teaching Skills: Secondary/Middle Credits: 3	Music Education (B.M.E.) The program of study leading to this degree is a nine-semester curriculum designed to prepare music teachers for grades pre K–12. With careful planning and enrollment during summer session(s) all requirements may be completed in four years. Within this curriculum there are two emphases–vocal/choral music, and instrumental music. Bachelor’s degree requirements Professional educational requirements DED 075 - Orientation to Teacher Education at KSU Credits: 0 EDCI 318 - Educational Technology for Teaching and Learning Credits: 1 EDCEP 315 - Educational Psychology Credits: 3 EDCEP 525 - Interpersonal Relations in the Schools Credits: 1 EDSEC 200 - Teaching as a Career Credits: 1 EDSEC 230 - Early Field Experience Credits: 1 EDSEC 310 - Foundations of Education Credits: 3 EDSEC 376 - Core Teaching Skills: Secondary/Middle Credits: 3
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<p>EDSEC 455 - Teaching in a Multicultural Society Credits: 1</p> <p>EDSEC 477 - Content Area Literacies and Diverse Learners Credits: 2</p> <p>EDSEC 582 - Teaching Internship in Music Credits: 6-12</p> <p>EDSP 323 - Exceptional Students in the Secondary School Credits: 2</p> <p>HDFS 110 - Introduction to Human Development Credits: 3</p> <p>For the College of Education licensure:</p> <p>For admission to the teacher education program and licensure in the state of Kansas, please visit the College of Education website.</p> <p>Music requirements for all options:</p> <p>Major performing organization each semester except the professional semester</p> <p>MUSIC 050 - Recital Attendance Credits: 0 (7 semesters)</p> <p>MUSIC 060 - Piano Proficiency Credits: 0</p> <p>MUSIC 210 - Music Theory I Credits: 3</p> <p>MUSIC 230 - Music Theory II Credits: 3</p> <p>MUSIC 231 - Aural Skills I Credits: 1</p> <p>MUSIC 232 - Fundamentals of Teaching Music Credits: 2</p> <p>MUSIC 249 - Introduction to Music of the World Credits: 3</p> <p>MUSIC 320 - Music Theory III Credits: 3</p> <p>MUSIC 321 - Aural Skills II Credits: 1</p> <p>MUSIC 322 - Aural Skills Proficiency Credits: 0</p> <p>MUSIC 360 - Music Theory IV Credits: 3</p> <p>MUSIC 361 - Aural Skills III Credits: 1</p> <p>MUSIC 417 - Conducting Credits: 2</p> <p>MUSIC 501 - Half Recital Credits: 0</p> <p>MUSIC 502 - Full Recital Credits: 0</p> <p>MUSIC 511 - Music in the Schools K-6 Credits: 3</p> <p>MUSIC 512 - Music Program in Junior/Senior High Schools Credits: 3</p> <p>MUSIC 525 - Instrumentation and Arranging Credits: 2</p> <p>MUSIC 530 - Music History I: Ancient Greece through 1700 Credits: 3</p> <p>MUSIC 531 - Music History II: 1700 to 1850 Credits: 3</p> <p>MUSIC 532 - Music History III: 1850 to the Present Credits: 3</p> <p>MUSIC 670 - Advanced Studies in Music Education Credits: 2</p> <p>Applied lessons each semester except the professional semester</p> <p>MUSIC 255 - Lower-Division Performance Credits: 1-4</p> <p>and/or</p> <p>MUSIC 455 - Upper-Division Performance Credits: 0-4</p> <p>Note:</p>	<p>EDSEC 455 - Teaching in a Multicultural Society Credits: 1</p> <p>EDSEC 477 - Content Area Literacies and Diverse Learners Credits: 2</p> <p>EDSEC 582 - Teaching Internship in Music Credits: 6-12</p> <p>EDSP 323 - Exceptional Students in the Secondary School Credits: 2</p> <p>HDFS 110 - Introduction to Human Development Credits: 3</p> <p>For the College of Education licensure:</p> <p>For admission to the teacher education program and licensure in the state of Kansas, please visit the College of Education website.</p> <p>Music requirements for all options:</p> <p>Major performing organization each semester except the professional semester</p> <p>MUSIC 050 - Recital Attendance Credits: 0 (7 semesters)</p> <p>MUSIC 060 - Piano Proficiency Credits: 0</p> <p>MUSIC 210 - Music Theory I Credits: 3</p> <p>MUSIC 230 - Music Theory II Credits: 3</p> <p>MUSIC 231 - Aural Skills I Credits: 1</p> <p>MUSIC 232 - Fundamentals of Teaching Music Credits: 2</p> <p>MUSIC 249 - Introduction to Music of the World Credits: 3</p> <p>MUSIC 320 - Music Theory III Credits: 3</p> <p>MUSIC 321 - Aural Skills II Credits: 1</p> <p>MUSIC 322 - Aural Skills Proficiency Credits: 0</p> <p>MUSIC 360 - Music Theory IV Credits: 3</p> <p>MUSIC 361 - Aural Skills III Credits: 1</p> <p>MUSIC 417 - Conducting Credits: 2</p> <p>MUSIC 501 - Half Recital Credits: 0</p> <p>or</p> <p>MUSIC 502 - Full Recital Credits: 0</p> <p>MUSIC 511 - Music in the Schools K-6 Credits: 3</p> <p>MUSIC 512 - Music Program in Junior/Senior High Schools Credits: 3</p> <p>MUSIC 525 - Instrumentation and Arranging Credits: 2</p> <p>MUSIC 530 - Music History I: Ancient Greece through 1700 Credits: 3</p> <p>MUSIC 531 - Music History II: 1700 to 1850 Credits: 3</p> <p>MUSIC 532 - Music History III: 1850 to the Present Credits: 3</p> <p>MUSIC 670 - Advanced Studies in Music Education Credits: 2</p> <p>Applied lessons each semester except the professional semester</p> <p>MUSIC 255 - Lower-Division Performance Credits: 8-10</p> <p>and/or</p> <p>MUSIC 455 - Upper-Division Performance Credits: 4-6</p> <p>Note:</p>
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<p>A half recital or an extended “jury” recital is required before graduation. Divisional recommendation determines the methods of satisfying this requirement.</p> <p>Piano proficiency requirements must be met one semester before scheduling student teaching.</p> <p>Additional music requirements for instrumental emphasis</p> <p>Instrumental majors (Winds and percussion only) are required to participate in marching band for at least two semesters (preferably during the freshman and sophomore years).</p> <p>MUSIC 112 - University Choir Credits: 0-1 (Enroll for 1 credit) or a large vocal organization</p> <p>MUSIC 113 - University Band Credits: 0-1 (as the lab for MUSIC 518 - Instrumental Conducting)</p> <p>MUSIC 203 - Vocal Techniques I Credits: 1 MUSIC 204 - Vocal Techniques II Credits: 1</p> <p>MUSIC 211, 212, 213, and 214 - Piano Class I, II, III, IV Credits: 4 or MUSIC 254, 255 - Piano Lessons Credits: 4 MUSIC 060 - Piano Proficiency (Co-requisite with MUSIC 214, but can be enrolled in separately if taking piano lessons)</p> <p>All MUSIC 280/480 can be taken for Credits: 0</p> <p>MUSIC 513 - Teaching Beginning Band and Jazz Techniques Credits: 1</p> <p>MUSIC 518 - Instrumental Conducting Credits: 2 Select an additional 8 semester credit hours according to the major instrument</p> <p>MUSIC 234 - String Techniques and Materials Credits: 1 MUSIC 235 - Percussion Techniques and Materials Credits: 2 MUSIC 236 - Clarinet & Saxophone Woodwind Techniques and Materials Credits: 1 MUSIC 237 - Double Reed and Flute Woodwind Techniques and Materials Credits: 1 MUSIC 238 - High Brass Techniques and Materials Credits: 1 MUSIC 239 - Low Brass Techniques and Materials Credits: 1 MUSIC 427 - Advanced String Techniques and Materials Credits: 1-2 (1 credit)</p> <p>Additional requirements for vocal/choral emphasis</p> <p>If voice is the major performance area</p>	<p>A half recital or an extended “jury” recital is required before graduation. Divisional recommendation determines the methods of satisfying this requirement.</p> <p>Piano proficiency requirements must be met one semester before scheduling student teaching.</p> <p>Additional music requirements for instrumental emphasis</p> <p>Instrumental majors (Winds and percussion only) are required to participate in marching band for at least two semesters (preferably during the freshman and sophomore years).</p> <p>MUSIC 112 - University Choir Credits: 0-1 (Enroll for 1 credit) or a large vocal organization</p> <p>MUSIC 113 - University Band Credits: 0-1 (as the lab for MUSIC 518 - Instrumental Conducting)</p> <p>MUSIC 203 - Vocal Techniques I Credits: 1</p> <p>MUSIC 211, 212, 213, and 214 - Piano Class I, II, III, IV Credits: 4 or MUSIC 254, 255 - Piano Lessons Credits: 4 MUSIC 060 - Piano Proficiency (Co-requisite with MUSIC 214, but can be enrolled in separately if taking piano lessons)</p> <p>All MUSIC 280/480 can be taken for Credits: 0</p> <p>MUSIC 513 - Teaching Beginning Band and Jazz Techniques Credits: 1</p> <p>MUSIC 518 - Instrumental Conducting Credits: 2</p> <p>MUSIC 234 - String Techniques and Materials Credits: 1 MUSIC 235 - Percussion Techniques and Materials Credits: 2 MUSIC 236 - Clarinet & Saxophone Woodwind Techniques and Materials Credits: 1 MUSIC 237 - Double Reed and Flute Woodwind Techniques and Materials Credits: 1 MUSIC 238 - High Brass Techniques and Materials Credits: 1 MUSIC 239 - Low Brass Techniques and Materials Credits: 1 MUSIC 427 Advanced String Techniques and Materials Credit: 1</p> <p>Additional requirements for vocal/choral emphasis</p> <p>If voice is the major performance area</p>
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<p>MUSIC 211, 212, 213, and 214 - Piano Class I, II, III, IV Credits: 4 or MUSIC 254, 255 - Piano Lessons Credits: 4 MUSIC 060 - Piano Proficiency (Co-requisite with MUSIC 214, but can be enrolled in separately if taking piano lessons)</p> <p>MUSIC 513 - Beginning Band and Jazz Techniques Credits: 1</p> <p>Woodwind Techniques, Brass Techniques, Ensemble MUSIC 112 - University Choir Credits: 0-1 (0 credit) as the lab for MUSIC 517 - Choral Conducting</p> <p>MUSIC 234 - String Techniques and Materials Credits: 1 MUSIC 235 - Percussion Techniques and Materials Credits: 2 MUSIC 236 - Clarinet & Saxophone Woodwind Techniques and Materials Credits: 1 or MUSIC 237 - Double Reed and Flute Woodwind Techniques and Materials Credits: 1 MUSIC 238 - High Brass Techniques and Materials Credits: 1 or MUSIC 239 - Low Brass Techniques and Materials Credits: 1 MUSIC 475 - Opera Workshop Credits: 1-18 (Enroll for 1 credit) or MUSIC 490 - Collegium Musicum Credits: 1 MUSIC 517 - Choral Conducting Credits: 2</p> <p>Basic requirements</p> <p>Course Credit hours ENGL 100 - Expository Writing I 3 ENGL 200 - Expository Writing II 3 COMM 106 - Public Speaking I 3 Any Department of English literature course or Department of Modern Languages literature course 3 Any course offered in the Department of Philosophy (except PHILO 105, 110, 320, or 510) or COMM 300 or higher or Any two courses in a modern language 3-10 Fine arts elective (fulfilled by courses in the major) 3 PSYCH 110 - General Psychology 3 Any course from the Department of History 3</p>	<p>MUSIC 211, 212, 213, and 214 - Piano Class I, II, III, IV Credits: 4 or MUSIC 254, 255 - Piano Lessons Credits: 4 MUSIC 060 - Piano Proficiency (Co-requisite with MUSIC 214, but can be enrolled in separately if taking piano lessons) <u>MUSIC 285 Italian Diction Credits: 1</u> <u>MUSIC 287 German Diction Credits: 1</u> or <u>MUSIC 465 French Diction Credits: 1</u></p> <p>MUSIC 513 - Beginning Band and Jazz Techniques Credits: 1</p> <p>Woodwind Techniques, Brass Techniques, Ensemble MUSIC 112 - University Choir Credits: 0-1 (0 credit) as the lab for MUSIC 517 - Choral Conducting</p> <p>MUSIC 234 - String Techniques and Materials Credits: 1 MUSIC 235 - Percussion Techniques and Materials Credits: 2 MUSIC 236 - Clarinet & Saxophone Woodwind Techniques and Materials Credits: 1 or MUSIC 237 - Double Reed and Flute Woodwind Techniques and Materials Credits: 1 MUSIC 238 - High Brass Techniques and Materials Credits: 1 or MUSIC 239 - Low Brass Techniques and Materials Credits: 1 MUSIC 475 - Opera Workshop Credits: 1-18 (Enroll for 1 credit) or MUSIC 490 - Collegium Musicum Credits: 1 MUSIC 517 - Choral Conducting Credits: 2 <u>MUSIC 491 Vocal Music Pedagogy Credits: 2</u></p> <p>Basic requirements</p> <p>Course Credit hours ENGL 100 - Expository Writing I - 3 ENGL 200 - Expository Writing II - 3 <u>COMM 105 - Public Speaking I - 2</u> Any Department of English literature course or Department of Modern Languages literature course - 3</p> <p>Fine arts elective (fulfilled by courses in the major)</p> <p>Any course from the Department of History - 3 <u>(Fulfilled by MUSIC 530)</u></p>
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<p>Any additional social science course that addresses cultures outside the Western tradition (excludes those dealing primarily with the Greek, Roman, Western European, or North American experiences) 3</p> <p>Two courses from the natural sciences (one course must include a lab) 7</p> <p>MATH 100 - College Algebra (or higher level math course or grade of C or better on Algebra CLEP test) 3</p> <p>STAT 325 - Introduction to Statistics (or higher level statistics course) 3</p> <p>FSHS 110 - Introduction to Human Development 3</p> <p>Electives (not more than 3 hours of music may be counted) 46</p> <p>Total credit hours required for graduation, depending on emphasis: (141-142)</p>	<p>Any additional social science course that addresses cultures outside the Western tradition (excludes those dealing primarily with the Greek, Roman, Western European, or North American experiences) 3</p> <p><u>Any Science Course - 3</u></p> <p>MATH 100 - College Algebra (or higher level math course or grade of C or better on Algebra CLEP test) 3</p> <p>STAT 325 - Introduction to Statistics (or higher level statistics course) 3</p> <p>FSHS 110 - Introduction to Human Development 3</p> <p>Electives (not more than 3 hours of music may be counted)</p> <p><u>Total hours required for graduation: 132</u></p>
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Human Ecology

Kinesiology (BS)

<https://kstate.curriculog.com/proposal:2712/form>

Contact person: Rob Pettay

Rationale: This curriculum will remove non-required courses FNDH 132 and CIS 101-104 or CIS 111 from the degree program. An additional three hours of Kinesiology electives are added to the program. Pre-requisite courses are updated based on changes in other departments. Options for students for emphasis areas in majors are changed to reflect current offerings in department.

Impact (i.e. if this impacts another unit) – Statement should include the date when the head of a unit was contacted, and the response or lack of: Departments of Food, Nutrition, Dietetics and Health; CIS; note the BIOL change;

FNDH and CIS department heads were contacted to notify them of decision to remove a courses from each department from requirements for degree program.

FNDH was notified on 9/10/2018 and responded on 9/11/2018

CIS was notified on 9/21/2018 and responded on 9/21/2018

Kinesiology (B.S.)

A total of 120 credit hours are required for graduation. The BS degree is obtained by following the curriculum of the College of Human Ecology.

Kinesiology majors must take a minimum of **36** kinesiology credit hours that include 18 credit hours from the lower-level core, and **18** hours from the upper level core with a requirement of one of the physiology course options, one of the exercise behavioral science course options, and **12** credit hours of 300 level or above Kinesiology courses, with at least 3 of the **12** elective hours being a 600 or higher level course, **plus 3 credit hours in Human Nutrition.**

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

General Requirements (**49-53** credit hours)

Communications (8-9 credit hours)

[ENGL 100 - Expository Writing I](#) Credits: (3)
[ENGL 200 - Expository Writing II](#) Credits: (3)

One of the following courses

[COMM 105 - Public Speaking IA](#) Credits: (2)
or
[COMM 106 - Public Speaking I](#) Credits: (3)

Humanities (6 credit hours)

Only courses of 3 credits or more will apply.

Social Sciences (9 credit hours)

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

Natural and Physical Sciences (16-17 credit hours)

[BIOL 198 - Principles of Biology](#) Credits: (4)

Kinesiology (B.S.)

A total of 120 credit hours are required for graduation. The BS degree is obtained by following the curriculum of the College of Human Ecology.

Kinesiology majors must take a minimum of **39** kinesiology credit hours that include 18 credit hours from the lower-level core, and **21** hours from the upper level core with a requirement of one of the physiology course options, one of the exercise behavioral science course options, and **15** credit hours of 300 level or above Kinesiology courses, with at least 3 of the **15** elective hours being a 600 or higher level course

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

General Requirements (**46-49** credit hours)

Communications (8-9 credit hours)

[ENGL 100 - Expository Writing I](#) Credits: (3)
[ENGL 200 - Expository Writing II](#) Credits: (3)

One of the following courses

[COMM 105 - Public Speaking IA](#) Credits: (2)
or
[COMM 106 - Public Speaking I](#) Credits: (3)

Humanities (6 credit hours)

Only courses of 3 credits or more will apply.

Social Sciences (9 credit hours)

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

Natural and Physical Sciences (16-17 credit hours)

[BIOL 198 - Principles of Biology](#) Credits: (4)

<p><u>BIOL 340 – Structure and Function of the Human Body</u> Credits: (8)</p> <p>or</p> <p><u>KIN 360 - Anatomy and Physiology</u> Credits: (8)</p> <p>Students must complete one of the following:</p> <p><u>BIOCH 265 - Introductory Organic and Biochemistry</u> Credits: (5)</p> <p>Chemistry - any course with lab</p> <p>Physics- any course with lab</p> <p>Quantitative Studies (<u>9-11</u> credit hours)</p> <hr/> <p><u>MATH 100 - College Algebra</u> Credits: (3)</p> <p>Or</p> <p>MATH 150 – Plane Trigonometry (3)</p> <p>Or</p> <p><u>MATH 220 - Analytic Geometry and Calculus I</u> Credits: (4)</p> <p>One of the following statistics courses</p> <p><u>STAT 325 - Introduction to Statistics</u> Credits: (3)</p> <p><u>STAT 340 - Biometrics I</u> Credits: (3)</p> <p><u>CIS 101– Introduction to Computing Systems, Information Search, and Security</u> Credits: (1)</p> <p>and</p> <p><u>CIS 102– Introduction to Spreadsheet Applications</u> Credits: (1)</p> <p>and</p> <p><u>CIS 103– Introduction to Database Applications</u> Credits: (1)</p> <p>and</p> <p><u>CIS 104– Introduction to Word Processing Applications</u> Credits: (1)</p> <p>or</p> <p><u>CIS 111– Introduction to Computer Programming</u> Credits: (3)</p> <p>Integrative Human Ecology Course (1 credit hour)</p> <hr/> <p><u>GNHE 210 - Foundations of Human Ecology</u> Credits: (1)</p>	<p><u>BIOL 341/342 - Human Body I & II</u> Credits: (<u>4/4</u>)</p> <p>or</p> <p><u>KIN 360 - Anatomy and Physiology</u> Credits: (8)</p> <p>Students must complete one of the following:</p> <p><u>BIOCH 265 - Introductory Organic and Biochemistry</u> Credits: (5)</p> <p>Chemistry - any course with lab</p> <p>Physics- any course with lab</p> <p>Quantitative Studies (<u>6-7</u> credit hours)</p> <hr/> <p><u>MATH 100 - College Algebra</u> Credits: (3)</p> <p>Or</p> <p>MATH 150 – Plane Trigonometry (3)</p> <p>Or</p> <p><u>MATH 220 - Analytic Geometry and Calculus I</u> Credits: (4)</p> <p>One of the following statistics courses</p> <p><u>STAT 325 - Introduction to Statistics</u> Credits: (3)</p> <p><u>STAT 340 - Biometrics I</u> Credits: (3)</p> <p>Integrative Human Ecology Course (1 credit hour)</p> <hr/> <p><u>GNHE 210 - Foundations of Human Ecology</u> Credits: (1)</p>
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Professional Studies (39 credit hours)	Professional Studies (39 credit hours)
Grades of “C” or higher required.	Grades of “C” or higher required.
Kinesiology Core (36 credit hours)	Kinesiology Core (<u>39</u> credit hours)
Lower-level core (18 credits hours)	Lower-level core (18 credits hours)
KIN 220 - Biobehavioral Bases of Physical Activity Credits: (4)	KIN 220 - Biobehavioral Bases of Physical Activity Credits: (4)
KIN 310 - Measurement and Research Techniques in Kinesiology Credits: (4)	KIN 310 - Measurement and Research Techniques in Kinesiology Credits: (4)
KIN 335 - Physiology of Exercise Credits: (4)	KIN 335 - Physiology of Exercise Credits: (4)
KIN 336 - Physiology of Exercise Lab Credits: (1)	KIN 336 - Physiology of Exercise Lab Credits: (1)
KIN 345 – Exercise Behavioral Science Credits: (5)	KIN 345 – Exercise Behavioral Science Credits: (5)
Kinesiology Upper-level Core (18 credit hours)	Kinesiology Upper-level Core (<u>21</u> credit hours)
Choose one course from each of the following	Choose one course from each of the following
Exercise Physiology (3 credit hours)	Exercise Physiology (3 credit hours)
Select one course (3 credit hours) from the following.	Select one course (3 credit hours) from the following.
KIN 601 - Cardiorespiratory Exercise Physiology Credits: (3)	KIN 601 - Cardiorespiratory Exercise Physiology Credits: (3)
KIN 603 - Cardiovascular Exercise Physiology Credits: (3)	KIN 603 - Cardiovascular Exercise Physiology Credits: (3)
KIN 607 - Muscle Exercise Physiology Credits: (3)	KIN 607 - Muscle Exercise Physiology Credits: (3)
Kin 611 – Neurological Exercise Physiology Credits: (3)	KIN 611 – Neurological Exercise Physiology Credits: (3)
Exercise Behavioral Science (3 credit hours)	Exercise Behavioral Science (3 credit hours)
Select one course (3 credit hours) from the following.	Select one course (3 credit hours) from the following.
KIN 600 – Interpersonal Aspects of Physical Activity Credits: (3)	KIN 602 – Social Structural Determinants of Physical Activity Credits: (3)
KIN 602 – Social Structural Determinants of Physical Activity Credits: (3)	KIN 610 – Program Planning and Evaluation (3)
KIN 612 – Policy, Built Environment and Physical Activity Credits: (3)	KIN 612 – Policy, Built Environment and Physical Activity Credits: (3)

<p>KIN 614 Physical Activity Behavior Settings: Youth Sport to Senior Centers Credits (3) KIN 655 – Individual Physical Activity Promotion Credits: (3)</p> <p>Kinesiology Elective Courses 300 level or higher (12 credit hours)</p> <hr/> <p>Select 12 credit hours of additional upper level Kin courses. At least one elective must be at 600 level or higher (12 hrs.)</p> <p>Human Nutrition (3 credit hours)</p> <hr/> <p>HN 132 – Basic Nutrition Credits: (3)</p> <p>Unrestricted electives (28-32 credit hours)</p> <hr/> <p>300 level or above (>2 hours)</p> <p>Total hours required for graduation (120 credit hours)</p>	<p>KIN 616 – Obesity & Physical Activity: Behavioral and Environmental Policy Credits: (3) KIN 655 – Individual Physical Activity Promotion Credits: (3)</p> <p>Kinesiology Elective Courses 300 level or higher (15 credit hours)</p> <hr/> <p>Select 15 credit hours of additional upper level Kin courses. At least one elective must be at 600 level or higher (15 hrs.)</p> <p>Unrestricted electives (31-35 credit hours)</p> <hr/> <p>Total hours required for graduation (120 credit hours)</p>
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