Program Change Request

Date Submitted: 09/27/17 2:30 pm

Viewing: **KINS-EXSC : Kinesiology Exercise Science Concentration**

Last approved: 05/25/17 2:39 pm

Last edit: 10/04/17 5:56 pm

Changes proposed by: dittmore

Catalog Pages Using this Program

- Kinesiology B.S., Exercise Science Concentration
  
- Kinesiology (KINS)

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<table>
<thead>
<tr>
<th>Submitter:</th>
<th>User ID: crsleaf1</th>
<th>Phone: 575-6731</th>
</tr>
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<tbody>
<tr>
<td>Program Status</td>
<td>Active</td>
<td></td>
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<tr>
<td>Academic Level</td>
<td>Undergraduate</td>
<td></td>
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<tr>
<td>Type of proposal</td>
<td>Major/Field of Study</td>
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</tbody>
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Select a reason for this modification

Making Minor Changes to an Existing Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding Focused Study)

- Are you adding a concentration? **No**
- Are you adding a track? **No**
- Are you adding a focused study? **No**

Effective Catalog Year: Fall 2018

- College/School Code: College of Education and Health Professions(EDUC)
- Department Code: Department of Health, Human Performance and Recreation(HHPR)
- Program Code: KINS-EXSC
- Degree: Bachelor of Science
- Program Title: Kinesiology Exercise Science Concentration
- Program Method: On Campus

Is this program interdisciplinary? **Yes**

College(s)/School(s) Name

- Fulbright College of Arts and Sciences(ARSC)

Does this proposal impact any courses from another College/School?

**No**

What are the total hours needed to complete the program?

**120**

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**Program Requirements and Description**

Requirements

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https://nextcatalog.uark.edu/courseleaf/courseleaf.cgi?page=/programadmin/185/index.htm...
Kinesiology Concentration II – Exercise Science (KINSBS-EXSC)

University Core (State Minimum Core)

MATH 1203  College Algebra (ACTS Equivalency = MATH 1103) (Sp, Su, Fa)

BIOL 1543  Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) (Sp, Su, Fa)

& BIOL 1541L  and Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab) (Sp, Su, Fa)

CHEM 1103  University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) (Su, Fa)

& CHEM 1101L  and University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab) (Sp, Su, Fa)

or CHEM 1203  Chemistry for Majors I (Fa)

& CHEM 1201L  and Chemistry for Majors I Laboratory (Fa)

PSYC 2003  General Psychology (ACTS Equivalency = PSYC 1103) (Sp, Su, Fa)

Additional Required Sciences

BIOL 2443  Human Anatomy (ACTS Equivalency = BIOL 2404 Lecture) (Sp, Su, Fa)

& BIOL 2441L  and Human Anatomy Laboratory (ACTS Equivalency = BIOL 2404 Lab) (Sp, Su, Fa)

BIOL 2213  Human Physiology (ACTS Equivalency = BIOL 2414 Lecture) (Sp, Fa)

& BIOL 2211L  and Human Physiology Laboratory (ACTS Equivalency = BIOL 2414 Lab) (Sp, Fa)

History

1. Aug 15, 2014 by Leepfrog Administrator (clhelp)
2. Apr 21, 2015 by Susan Mayes (smayes)
3. Jun 10, 2015 by Charlie Alison (calison)
4. May 27, 2016 by Charlie Alison (calison)
CHEM 1123   University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) (Sp, Su, Fa)
& CHEM 1121L and University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab) (Sp, Su, Fa)
or CHEM 1223   Chemistry for Majors II (Sp)
& CHEM 1221L and Chemistry for Majors II Laboratory (Sp)
CHEM 2613   Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture) (Sp, Su, Fa)
& CHEM 2611L and Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab) (Sp, Su, Fa)
or CHEM 3603   Organic Chemistry I (Su, Fa)
& CHEM 3601L and Organic Chemistry I Laboratory (Su, Fa)

PHYS 2013   College Physics I (ACTS Equivalency = PHYS 2014 Lecture) (Su, Fa)
& PHYS 2011L and College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab) (Su, Fa)

Additional Non­EXSC Requirements 21­22

MATH 1213   Plane Trigonometry (ACTS Equivalency = MATH 1203) (Sp, Su, Fa)
or MATH 1284C Precalculus Mathematics (ACTS Equivalency = MATH 1305) (Sp, Su, Fa)
or MATH 2554   Calculus I (ACTS Equivalency = MATH 2405) (Sp, Su, Fa)
NUTR 1213   Fundamentals of Nutrition (Sp, Fa)
COMM 1313   Public Speaking (ACTS Equivalency = SPCH 1003) (Sp, Su, Fa)

Three Hours Literature Elective

STAT 2303   Principles of Statistics (ACTS Equivalency = MATH 2103) (Sp, Su, Fa)
or PSYC 2013 Introduction to Statistics for Psychologists (Sp, Su, Fa)
or SOCI 3303   Social Data and Analysis (Sp, Fa)
PBHL 2663   Terminology for the Health Professions (Sp)
PSYC 3023   Abnormal Psychology (Sp, Fa)

Exercise Science Core Required 24

EXSC 2733   Introduction to Exercise Science (Sp, Fa)
EXSC 3153   Exercise Physiology (Sp, Su, Fa) 2
or EXSC 3153H Honors Exercise Physiology (Sp, Su, Fa)
EXSC 3353   Mechanics of Human Movement (Sp, Su, Fa) 2
or EXSC 3353H Honors Mechanics of Human Movement (Sp, Su, Fa)
EXSC 3533   Laboratory Techniques (Sp, Su, Fa) 2
or EXSC 3533H Honors Lab Techniques (Sp, Su, Fa)
EXSC 4323   Exercise Prescription (Sp, Su, Fa)
EXSC 4773   Performance and Drugs (Sp, Fa)
EXSC 4833   Exercise Applications for Special Populations (Sp, Su, Fa)
or EXSC 4833H Honors Exercise Applications for Special Populations (Sp, Su, Fa)
EXSC 4903   Internship in Exercise Science (Sp, Su, Fa) 1
or KINS 405V Independent Study (Sp, Su, Fa)
or KINS 498VH Kinesiology Honors Thesis/Project (Sp, Su, Fa)

Related Electives chosen from the following 15

Related Electives chosen from the following 3 20­19

EXSC 3013   Course EXSC 3013 Not Found
EXSC 2303   Prevention and Care of Athletic Injuries (Irregular)
EXSC 3423   Principles and Theories of Strength and Conditioning (Sp)
EXSC 3723   Research Methods in Exercise Science (Sp)
or EXSC 3723H Honors Research Methods in Exercise Science (Sp)
EXSC 4013   Course EXSC 4013 Not Found
EXSC 4353   Advanced Mechanics of Human Movement (Irregular)
or EXSC 4353H Honors Advanced Mechanics of Human Movement (Irregular)
EXSC 4643   Psychology of Sports Injury and Rehabilitation (Irregular)
EXSC 4783   Sport and Exercise Psychology (Fa)
KINS 3223   Motor Development (Sp, Su, Fa)
KINS 3901H Kinesiology Honors Thesis Tutorial (Sp, Su, Fa)
PBHL 4603   Health Behavior: Theories and Application (Fa)
PBHL 4613   Principles of Epidemiology (Fa)
MATH 2053   Finite Mathematics (Sp, Su, Fa)
or MATH 2053C Finite Mathematics (Sp, Fa)
ENGL 3093   Technical and Report Writing (ACTS Equivalency = ENGL 2023) (Sp, Fa)
BIOL 2013   General Microbiology (ACTS Equivalency = BIOL 2004 Lecture) (Sp, Su, Fa)
& BIOL 2011L and General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab) (Sp, Su, Fa)
BIOL 2323   General Genetics (Sp, Fa)
BIOL 2321L General Genetics Laboratory (Sp, Fa)
BIOL 2533   Cell Biology (Sp, Fa)
BIOL 2531L Cell Biology Laboratory (Sp, Fa)
BIOL 4793   Introduction to Neurobiology (Sp)
<table>
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<tr>
<th>Kinesiology B.S., Exercise Science Concentration (KINSBS-EXSC)</th>
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<tr>
<td><strong>Eight-Semester Degree Program</strong></td>
</tr>
<tr>
<td>Students wishing to follow the eight-semester degree plan in Kinesiology should see the Eight-Semester Degree Policy for university requirements of the program.</td>
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<tr>
<td><strong>First Year</strong></td>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013) (Sp, Su, Fa)</td>
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<tr>
<td>CHEM 1103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) (Su, Fa) &amp; CHEM 1101 University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab) (Sp, Su, Fa) or CHEM 1203 and CHEM 1201L</td>
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<td>MATH 1203 College Algebra (ACTS Equivalency = MATH 1103) (Sp, Su, Fa)</td>
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<tr>
<td>Fine Arts or Humanities1</td>
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<td>BIOL 1533 Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) (Sp, Su, Fa) &amp; BIOL 1541L Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab) (Sp, Su, Fa)</td>
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<td>ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023) (Sp, Su, Fa)</td>
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<td>MATH 1213 Plane Trigonometry (ACTS Equivalency = MATH 1203) (Sp, Su, Fa) or MATH 1284C Precalculus Mathematics (ACTS Equivalency = MATH 1305) (Sp, Su, Fa) or MATH 2554 Calculus I (ACTS Equivalency = MATH 2405) (Sp, Su, Fa)</td>
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<tr>
<td>COMM 1313 Public Speaking (ACTS Equivalency = SPCH 1003) (Sp, Su, Fa)</td>
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<td><strong>Spring</strong></td>
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<tr>
<td>Year Total:</td>
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**Second Year**

| **Fall** | Units |
| EXSC 2733 Introduction to Exercise Science (Sp, Fa) | 3 |
| NUTR 1213 Fundamentals of Nutrition (Sp, Fa) | 3 |
| HIST 2003 History of the American People to 1877 (ACTS Equivalency = HIST 2113) (Sp, Su, Fa) or HIST 2013 History of the American People, 1877 to Present (ACTS Equivalency = HIST 2123) (Sp, Su, Fa) or PLSC 2003 American National Government (ACTS Equivalency = PLSC 2003) (Sp, Su, Fa) | 3 |
| PBHL 2663 Terminology for the Health Professions (Sp) | 3 |
| BIOL 2443 Human Anatomy (ACTS Equivalency = BIOL 2404 Lecture) (Sp, Su, Fa) & BIOL 2441L Human Anatomy Laboratory (ACTS Equivalency = BIOL 2404 Lab) (Sp, Su, Fa) | 3 |
| PSYC 2003 General Psychology (ACTS Equivalency = PSYC 1103) (Sp, Su, Fa) or STAT 2303 Principles of Statistics (ACTS Equivalency = MATH 2303) (Sp, Su, Fa) or PSYC 2013 Introduction to Statistics for Psychologists (Sp, Su, Fa) or SOCI 3303 Social Data and Analysis (Sp, Fa) | 3 |
| BIOL 2213 Human Physiology (ACTS Equivalency = BIOL 2414 Lecture) (Sp, Fa) & BIOL 2211L Human Physiology Laboratory (ACTS Equivalency = BIOL 2414 Lab) (Sp, Fa) | 4 |
| General Elective | 2 |
| Social Science | 3 |
| **Spring** | Units |
| Year Total: | 16 15 |

**Third Year**

| **Fall** | Units |
| General Elective | 2 |
| Social Science 1 | 3 |
PHYS 2013 College Physics I (ACTS Equivalency = PHYS 2014 Lecture) (Su, Fa) 4
& PHYS 2011L College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab) (Su, Fa) 3
EXSC 3153 Exercise Physiology (Sp, Su, Fa) 3
or EXSC 3153H Honors Exercise Physiology (Sp, Su, Fa) 3
EXSC 3353 Mechanics of Human Movement (Sp, Su, Fa) 3
or EXSC 3353H Honors Mechanics of Human Movement (Sp, Su, Fa) 3
Literature Elective 3
Related Elective 4 3
EXSC 3533 Laboratory Techniques (Sp, Su, Fa) EXSC 3533H 3
CHEM 2613 Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture) (Sp, Su, Fa) 4
& CHEM 2611L Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab) (Sp, Su, Fa) 4
or CHEM 3603 and CHEM 3601L 4
Related Elective 4 3
Related Elective 4 3
PSYC 3023 Abnormal Psychology (Sp, Fa) 3
Year Total: 16 16

Fourth Year

EXSC 4323 Exercise Prescription (Sp, Su, Fa) 3
EXSC 4833 Exercise Applications for Special Populations (Sp, Su, Fa) 3
or EXSC 4833H Honors Exercise Applications for Special Populations (Sp, Su, Fa) 3
Social Science 3
Related Elective 4 3
EXSC 4903 Internship in Exercise Science (Sp, Su, Fa) 3
or KINS 403V Independent Study (Sp, Su, Fa) 3
or KINS 403VH Honors Independent Study (Sp, Su, Fa) 3
or KINS 498VH Kinesiology Honors Thesis/Project (Sp, Su, Fa) 3
EXSC 4773 Performance and Drugs (Sp, Fa) 3
General Elective 3-2
Related Elective 4 3
Year Total: 12 12-11
Total Units in Sequence: 120

1 Core areas must be completed as outlined in University Core.
2 BIOL 1543/Biol 1541L is a prerequisite for BIOL 2443/Biol 2441L
3 Use of KINS 498VH only for students completing the College of Education and Health Professions Honors Program.
4 Students must have 40 hours of 3000/4000-level classes to graduate.

Are Similar Programs available in the area?

No

Estimated Student Demand for Program 750
Scheduled Program Review Date 2017

Program Goals and Objectives

The program in kinesiology is designed to prepare candidates for a variety of career options in the vast field of movement science. Career opportunities may include teaching physical education, coaching, analyzing and prescribing fitness programs, athletic training, or preparation for professional programs in allied health.

Learning Outcomes

Graduates of this program should be well prepared to enter graduate programs of study in such areas as exercise physiology, biomechanics, athletic training, sport management, medical school, physical therapy school, and other allied health professional schools.

Description and justification of the request

<table>
<thead>
<tr>
<th>Description of specific change</th>
<th>Justification for this change</th>
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<tbody>
<tr>
<td>Increased number of 3000- and 4000-level courses required under Related Electives.</td>
<td>Meet state requirements. Increased options for students to meet the state requirements (40 hours of 3000 and 4000 level courses).</td>
</tr>
<tr>
<td>Description of specific change</td>
<td>Justification for this change</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Added two more 3000 and 4000 level courses as options under Related Electives.</td>
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</tr>
</tbody>
</table>

Reviewer Comments

Ketevan Mamiseishvili (kmamisei) (09/26/17 12:06 pm): Rollback: Should all related electives
be at the 3000 and 4000 level? The way the note reads, it looks like all related electives must
be upper level courses. If that's the case, we should remove all 2000 level courses from the
related electives listing as possible options.

Lisa Kulczak (lkulcza) (10/04/17 5:56 pm): Removed indication that a change is being proposed
to the concentration itself—while electives are being adjusted, the concentration itself remains
the same.