

Date Submitted: 10/11/18 9:42 am

Viewing: **EXSCBS** ~~KINSBS-EXSC~~ :**Kinesiology: Exercise Science, Bachelor of Science Concentration**

Last approved: 04/02/18 10:15 am

Last edit: 11/06/18 9:53 am

Changes proposed by: pcallej

Catalog Pages Using  
this Program[Kinesiology B.S., Exercise Science Concentration](#)  
[Kinesiology\\_\(KINS\)](#)Submitter: User ID: crsleaf1 Phone:  
575-6731

Program Status Active

Academic Level Undergraduate

Type of proposal Major/Field of Study

Select a reason for this modification

Reconfiguring an Existing Degree—(LON 11)

Are you adding a concentration?

No

Are you adding a track?

No

Are you adding a focused study?

No

Effective Catalog Year Fall 2019

College/School Code

College of Education and Health Professions(EDUC)

**In Workflow**

1. EDUC Dean Initial
2. Provost Initial
3. Director of Program Assessment and Review
4. Registrar Initial
5. Institutional Research
6. HHPR Chair
7. EDUC Curriculum Committee
8. EDUC Faculty
9. EDUC Dean
10. Global Campus
11. Provost Review
12. University Course and Program Committee
13. Faculty Senate
14. Provost Final
15. ADE Licensure Approval
16. Provost's Office-- Documentation sent to System Office
17. Higher Learning Commission
18. Board of Trustees
19. ADHE Final
20. Provost's Office-- Notification of Approval
21. Registrar Final
22. Catalog Editor Final

**Approval Path**

## Department Code

Department of Health, Human Performance and Recreation(HHPR)

## Program Code

**EXSCBS** ~~KINSBS-EXSC~~

## Degree

Bachelor of Science

## CIP Code

1. 05/11/18 7:45 am  
Ketevan  
Mamiseishvili  
(kmamisei):  
Rollback to Initiator
2. 09/26/18 9:10 am  
Ketevan  
Mamiseishvili  
(kmamisei):  
Rollback to Initiator
3. 09/27/18 9:48 am  
Ketevan  
Mamiseishvili  
(kmamisei):  
Approved for EDUC  
Dean Initial
4. 09/27/18 1:43 pm  
Terry Martin  
(tmartin): Approved  
for Provost Initial
5. 10/03/18 5:13 pm  
Alice Griffin  
(agriffin): Rollback  
to Initiator
6. 10/11/18 9:56 am  
Ketevan  
Mamiseishvili  
(kmamisei):  
Approved for EDUC  
Dean Initial
7. 10/11/18 11:40 am  
Terry Martin  
(tmartin): Approved  
for Provost Initial
8. 10/12/18 12:54 pm  
Alice Griffin  
(agriffin): Approved  
for Director of  
Program

- Assessment and Review
9. 10/15/18 6:20 pm  
Lisa Kulczak  
(lkulcza): Approved for Registrar Initial
  10. 10/16/18 7:26 am  
Gary Gunderman  
(ggunderm): Approved for Institutional Research
  11. 10/16/18 8:29 am  
Matthew Ganio  
(msganio): Approved for HHPR Chair
  12. 11/01/18 3:00 am  
Ketevan Mamiseishvili  
(kmamisei): Approved for EDUC Curriculum Committee
  13. 11/01/18 3:03 am  
Ketevan Mamiseishvili  
(kmamisei): Approved for EDUC Faculty
  14. 11/01/18 3:06 am  
Ketevan Mamiseishvili  
(kmamisei): Approved for EDUC Dean
  15. 11/05/18 12:47 pm  
Miran Kang (kang): Approved for Global Campus

16. 11/05/18 1:51 pm  
Terry Martin  
(tmartin): Approved  
for Provost Review
17. 11/16/18 4:06 pm  
Alice Griffin  
(agriffin): Approved  
for University  
Course and Program  
Committee

## 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)
5. May 25, 2017 by  
Karen Turner  
(kvestal)
6. Mar 27, 2018 by  
Steve Dittmore  
(dittmore)
7. Apr 2, 2018 by Gina  
Daugherty  
(gdauger)

**31.0505** ~~31.0501~~ - **Kinesiology and Exercise Science.** ~~Health and Physical Education/Fitness,~~  
~~General:~~

Program Title

~~Kinesiology:~~Exercise **Science, Bachelor of Science Concentration**

## Program Delivery

## Method

On Campus

Is this program interdisciplinary?

No ~~Yes~~

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

No

What are the total 120  
hours needed to  
complete the  
program?

## Program Requirements and Description

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## Requirements

### Exercise Science (EXSCBS)3

## University Core (State Minimum Core)

35

**MATH 1203** ~~College Algebra (ACTS Equivalency = MATH 1103)~~

**MATH 1213** Plane Trigonometry (ACTS Equivalency = MATH 1203) 4

or **MATH 1284C** Precalculus Mathematics (ACTS Equivalency = MATH 1305)

or **MATH 2554** Calculus I (ACTS Equivalency = MATH 2405)

**BIOL 1543** Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture)

& **BIOL 1541L** and Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)

**CHEM 1103** University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture)

& **CHEM 1101L** and University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)

or **CHEM 1203** Chemistry for Majors I

& **CHEM 1201L** and Chemistry for Majors I Laboratory

**PSYC 2003** General Psychology (ACTS Equivalency = PSYC 1103)

## Additional Required Sciences

20

**BIOL 2443** Human Anatomy (ACTS Equivalency = BIOL 2404 Lecture)

& **BIOL 2441L** and Human Anatomy Laboratory (ACTS Equivalency = BIOL 2404 Lab)

**BIOL 2213** Human Physiology (ACTS Equivalency = BIOL 2414 Lecture)

& **BIOL 2211L** and Human Physiology Laboratory (ACTS Equivalency = BIOL 2414 Lab)

**CHEM 1123** University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture)

& **CHEM 1121L** and University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)

or **CHEM 1223** Chemistry for Majors II

- & [CHEM 1221L](#) and Chemistry for Majors II Laboratory  
[CHEM 2613](#) Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture)  
 & [CHEM 2611L](#) and Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab)  
 or [CHEM 3603](#) Organic Chemistry I  
 & [CHEM 3601L](#) and Organic Chemistry I Laboratory  
[PHYS 2013](#) College Physics I (ACTS Equivalency = PHYS 2014 Lecture)  
 & [PHYS 2011L](#) and College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)

#### Additional Non-EXSC Requirements

18

- [NUTR 1213](#) Fundamentals of Nutrition  
[COMM 1313](#) Public Speaking (ACTS Equivalency = SPCH 1003)  
~~Three Hours Literature Elective~~  
[STAT 2303](#) Principles of Statistics (ACTS Equivalency = MATH 2103)  
 or [PSYC 2013](#) Introduction to Statistics for Psychologists  
 or [SOCI 3303](#) Social Data and Analysis  
[PBHL 2663](#) Terminology for the Health Professions  
[PSYC 3023](#) Abnormal Psychology

#### Exercise Science Core Required

24

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

#### Related Electives chosen from the following: 3

20-

19

[EXSC 2393](#)[Course EXSC 2393 Not Found](#)

#### Related Electives chosen from NUTR, PBHL, BIOL, ANSC, FDSC, POSC prefixes or the following:

18

- [EXSC 3013](#) Functional Anatomy for Exercise Science  
[EXSC 3393](#) **Prevention and Care of Athletic Injuries**  
[EXSC 3423](#) Principles and Theories of Strength and Conditioning  
[EXSC 3723](#) Research Methods in Exercise Science

or <a href="#">EXSC 3723H</a>	Honors Research Methods in Exercise Science
<a href="#">EXSC 4013</a>	Clinical Exercise Physiology
<a href="#">EXSC 4353</a>	Advanced Mechanics of Human Movement
or <a href="#">EXSC 4353H</a>	Honors Advanced Mechanics of Human Movement
<a href="#">EXSC 4643</a>	Psychology of Sports Injury and Rehabilitation
<a href="#">EXSC 4783</a>	Sport and Exercise Psychology
<a href="#">KINS 3223</a>	<b>Course KINS 3223 Not Found</b>
<a href="#">KINS 3901H</a>	Kinesiology Honors Thesis Tutorial
<a href="#">PBHL 4603</a>	Health Behavior: Theories and Application
<a href="#">PBHL 4613</a>	Principles of Epidemiology
<a href="#">PHED 3223</a>	<b>Motor Development</b>
<a href="#">MATH 2053</a>	Finite Mathematics
or <a href="#">MATH 2053C</a>	Finite Mathematics
<a href="#">ENGL 3053</a>	Technical and Report Writing (ACTS Equivalency = ENGL 2023)
<a href="#">BIOL 2013</a>	General Microbiology (ACTS Equivalency = BIOL 2004 Lecture)
& <a href="#">BIOL 2011L</a>	and General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab)
<a href="#">BIOL 2323</a>	General Genetics
<a href="#">BIOL 2321L</a>	General Genetics Laboratory
<a href="#">BIOL 2533</a>	Cell Biology
<a href="#">BIOL 2531L</a>	Cell Biology Laboratory
<a href="#">BIOL 4793</a>	Introduction to Neurobiology
<a href="#">CHEM 3613</a>	Organic Chemistry II
& <a href="#">CHEM 3611L</a>	and Organic Chemistry II Laboratory
<a href="#">CHEM 3813</a>	Elements of Biochemistry
<a href="#">PSYC 3093</a>	Developmental Psychology (ACTS Equivalency = PSYC 2103)
<a href="#">PHYS 2033</a>	College Physics II (ACTS Equivalency = PHYS 2024 Lecture)
& <a href="#">PHYS 2031L</a>	and College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab)
or <a href="#">PHYS 2074</a>	University Physics II (ACTS Equivalency = PHYS 2044 Lecture)

### General Electives

8

Total Hours

123

- 1 [KINS 498VH](#) option available only if completing Honors Program
- 2 Course requires C or better for degree award
- 3 Students must have 40 hours of 3000/4000-level classes to graduate.
- 4 **Prerequisite math course ([MATH 1203](#)) may be required.**

~~Kinesiology Concentration II—Exercise Science (KINSBS-EXSC)~~

8-Semester Plan

**Exercise Science B.S. (EXSCBS)~~4 Kinesiology B.S., Exercise Science Concentration (KINSBS-EXSC)~~**

## Eight-Semester Degree Program

Students wishing to follow the eight-semester degree plan in Kinesiology should see the [Eight-Semester Degree Policy](#) for university requirements of the program.

First Year	Units
	FallSpring
<a href="#">ENGL 1013</a> Composition I (ACTS Equivalency = ENGL 1013)	3
<a href="#">CHEM 1103</a> University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) & <a href="#">CHEM 1101L</a> University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab) or <a href="#">CHEM 1203</a> and <a href="#">CHEM 1201L</a>	4
<del><a href="#">MATH 1203</a> College Algebra (ACTS Equivalency = MATH 1103)</del>	<del>3</del> -
<b>Choose from:</b>	<b>3</b>
<b>General Elective (recommend MATH 1203 if appropriate)</b>	
<b><a href="#">MATH 1213</a> Plane Trigonometry (ACTS Equivalency = MATH 1203)</b>	
<b>or <a href="#">MATH 1284C</a> Precalculus Mathematics (ACTS Equivalency = MATH 1305)</b>	
<b>or <a href="#">MATH 2554</a> Calculus I (ACTS Equivalency = MATH 2405)</b>	
Fine Arts or Humanities1	3
<a href="#">BIOL 1543</a> Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) & <a href="#">BIOL 1541L</a> Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)1,2	4
<a href="#">ENGL 1023</a> Composition II (ACTS Equivalency = ENGL 1023)	3
Fine Arts or Humanities1	3
<a href="#">CHEM 1123</a> University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) & <a href="#">CHEM 1121L</a> University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab) or <a href="#">CHEM 1223</a> and <a href="#">CHEM 1221L</a>	4
<b>Choose from:</b>	<b>3</b>
<b>General Elective (if math requirement met excluding STAT 2303)</b>	
<b><a href="#">MATH 1213</a> Plane Trigonometry (ACTS Equivalency = MATH 1203)</b>	
<b>or <a href="#">MATH 1284C</a> Precalculus Mathematics (ACTS Equivalency = MATH 1305)</b>	
<b>or <a href="#">MATH 2554</a> Calculus I (ACTS Equivalency = MATH 2405)</b>	
<a href="#">COMM 1313</a> Public Speaking (ACTS Equivalency = SPCH 1003)	3
Year Total:	17 16
Second Year	Units
	FallSpring
<a href="#">EXSC 2733</a> Introduction to Exercise Science	3
<a href="#">NUTR 1213</a> Fundamentals of Nutrition	3
<a href="#">HIST 2003</a> History of the American People to 1877 (ACTS Equivalency = HIST 2113) or <a href="#">HIST 2013</a> History of the American People, 1877 to Present (ACTS Equivalency = HIST 2123) or <a href="#">PLSC 2003</a> American National Government (ACTS Equivalency = PLSC 2003)	3
<a href="#">PBHL 2663</a> Terminology for the Health Professions	3
<a href="#">BIOL 2443</a> Human Anatomy (ACTS Equivalency = BIOL 2404 Lecture)	4



& <a href="#">BIOL 2441L</a> Human Anatomy Laboratory (ACTS Equivalency = BIOL 2404 Lab)	
<a href="#">PSYC 2003</a> General Psychology (ACTS Equivalency = PSYC 1103)	3
<a href="#">STAT 2303</a> Principles of Statistics (ACTS Equivalency = MATH 2103)	3
or <a href="#">PSYC 2013</a> Introduction to Statistics for Psychologists	
or <a href="#">SOCJ 3303</a> Social Data and Analysis	
<a href="#">BIOL 2213</a> Human Physiology (ACTS Equivalency = BIOL 2414 Lecture)	4
& <a href="#">BIOL 2211L</a> Human Physiology Laboratory (ACTS Equivalency = BIOL 2414 Lab)	
General Elective	2
Social Science 1	3
Year Total:	16 15

Third Year	Units
	FallSpring
<a href="#">PHYS 2013</a> College Physics I (ACTS Equivalency = PHYS 2014 Lecture)	4
& <a href="#">PHYS 2011L</a> College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)	
<a href="#">EXSC 3153</a> Exercise Physiology	3
or <a href="#">EXSC 3153H</a> Honors Exercise Physiology	
<a href="#">EXSC 3353</a> Mechanics of Human Movement	3
or <a href="#">EXSC 3353H</a> Honors Mechanics of Human Movement	
General Elective	3
Related Elective	3
<a href="#">EXSC 3533</a> Laboratory Techniques	3
or <a href="#">EXSC 3533H</a> Honors Lab Techniques	
<a href="#">CHEM 2613</a> Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture)	4
& <a href="#">CHEM 2611L</a> Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab)	
or <a href="#">CHEM 3603</a> and <a href="#">CHEM 3601L</a>	
<del>Related Elective 4</del>	- 3
<del>Related Elective 4</del>	- 3
<b>Related Elective</b>	<b>6</b>
<a href="#">PSYC 3023</a> Abnormal Psychology	3
Year Total:	16 16

Fourth Year	Units
	FallSpring
<a href="#">EXSC 4323</a> Exercise Prescription	3
<a href="#">EXSC 4833</a> Exercise Applications for Special Populations	3
or <a href="#">EXSC 4833H</a> Honors Exercise Applications for Special Populations	
Social Science 1	3
Related Electives4	3
<a href="#">EXSC 4903</a> Internship in Exercise Science	3
or <a href="#">KINS 405V</a> Independent Studv	

~~or [KINS 405VH](#) Independent Study,~~

or [KINS 405VH](#) Honors Independent Study

or [KINS 498VH](#) Kinesiology Honors Thesis/Project

[EXSC 4773](#) Performance and Drugs 3

~~General Elective~~ ~~- 3-2~~

~~Related Elective4~~ ~~- 3~~

**Related Elective** **6**

Year Total: 12 12

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 **2023-2024** ~~2017~~

Review Date

Program Goals and Objectives

**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

**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

<b>Description of specific change</b>	<b>Justification for this change</b>
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Description of specific change	Justification for this change
Adding related elective options in appropriate degree programs.	Allows students to pursue coursework which is beneficial to their academic career.
Placed program math requirement for core math.	Allows students to begin at higher level math if appropriate without backtracking to lower level math.
Reduced Related electives by 2 hours to allow general elective credit.	Allows more flexibility for undergraduate students.
Removed Literature requirement to further increase general elective credit.	Allows flexibility for undergraduate enrollment.

## Upload attachments

[KINSBS - Reconfig - Ltr of Notification.docx](#)

[KINSBS - Reconfig - Curriculum.docx](#)

[KINSBS - Deletion - Ltr of Notification.docx](#)

## Reviewer Comments

**Ketevan Mamiseishvili (kmamisei) (05/11/18 7:45 am):** Rollback: Per request from Dr. Dittmore.

**Ketevan Mamiseishvili (kmamisei) (09/26/18 9:10 am):** Rollback: Add responses to questions 9, 10, and 17 in the LON.

**Alice Griffin (agriffin) (10/03/18 12:00 pm):** Added Bachelor of Science into Program Title.

**Alice Griffin (agriffin) (10/03/18 12:59 pm):** Updated scheduled program review date.

**Alice Griffin (agriffin) (10/03/18 5:13 pm):** Rollback: Please address the concerns noted in the email correspondence dated 10/3/2018.

**Alice Griffin (agriffin) (10/12/18 8:59 am):** Uploaded LON 5 and LON 11 with curriculum list for the reconfiguration of the KINSBS. Renamed documentation to match BOT naming convention. Also removed 2018-2019 plan of study. It is not necessary for this particular request. If the department wishes to have it reinserted for on-campus records, please contact me.

**Gary Gunderman (ggunderm) (10/16/18 7:26 am):** CIP Code is approved.

**Alice Griffin (agriffin) (11/06/18 9:53 am):** Updated degree code to the ADHE version on the LON 5 for deletion.

Key: 185