

Date Submitted: 10/27/22 11:08 am

Viewing: **EXSCBS : Exercise Science, Bachelor of Science**

Last approved: 05/18/21 7:10 pm

Last edit: 11/01/22 10:33 am

Changes proposed by: msganio

Catalog Pages Using

this Program

[Exercise Science B.S.](#)[Exercise Science \(EXSC\)](#)

Submitter: User ID: [msganio crsleaf1](#) Phone: [575-2956 575-6734](#)

Program Status Active

Academic Level Undergraduate

Type of proposal Major/Field of Study

Select a reason for this modification

Changing CIP Code of an Existing Certificate or Major--(LON)

Are you adding a concentration?

No

Are you adding or modifying a track?

No

Are you adding or modifying a focused study?

No

Effective Catalog Year Fall 2023

College/School Code

College of Education and Health Professions (EDUC)

Department Code

Department of Health, Human Performance and Recreation (HHPR)

In Workflow

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

Approval Path

1. 10/27/22 11:08 am Matthew Ganio (msganio):

Program Code EXSCBS
 Degree Bachelor of Science
 CIP Code

- Approved for EDUC
 Dean Initial
2. 10/27/22 2:04 pm
 Jim Gigantino
 (jgiganti): Approved
 for Provost Initial
 3. 10/27/22 3:57 pm
 Alice Griffin
 (agriffin): Approved
 for Director of
 Curriculum Review
 and Program
 Assessment
 4. 10/30/22 11:34 am
 Gina Daugherty
 (gdaugher):
 Approved for
 Registrar Initial
 5. 10/31/22 10:59 am
 Doug Miles
 (dmiles): Approved
 for Institutional
 Research
 6. 10/31/22 11:49 am
 Michelle Gray
 (rgray): Approved
 for HHPR Chair
 7. 11/02/22 2:41 pm
 Matthew Ganio
 (msganio):
 Approved for EDUC
 Curriculum
 Committee
 8. 11/02/22 2:46 pm
 Matthew Ganio
 (msganio):
 Approved for EDUC
 Dean
 9. 11/02/22 3:27 pm
 Suzanne Kenner

(skenner): Approved
for Global Campus
10. 11/02/22 4:10 pm
Jim Gigantino
(jgiganti): Approved
for Provost Review

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
(kjvestal)
6. Mar 27, 2018 by
Steve Dittmore
(dittmore)
7. Apr 2, 2018 by Gina
Daugherty
(gdaugher)
8. May 21, 2019 by
Paul Calleja (pcallej)
9. May 24, 2019 by
Charlie Alison
(calison)
10. May 24, 2019 by
Charlie Alison
(calison)
11. May 20, 2020 by
Paul Calleja (pcallej)

12. Dec 10, 2020 by
Karen Turner
(kjvestal)
13. May 18, 2021 by
Paul Calleja (pcallej)

[26.0908](#) [31.0505](#) - Exercise [Physiology Science](#) and Kinesiology.

Program Title

Exercise Science, Bachelor of Science

Program Delivery

Method

On Campus

Is this program interdisciplinary?

No

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

No

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

Program Requirements and Description

Requirements

Requirements for the B.S. in Exercise Science

Students must have 40 hours of 3000/4000-level classes to graduate.

State Minimum Core	35
MATH – A prerequisite course, MATH 1203 , may be required.	
MATH 1213	Plane Trigonometry (ACTS Equivalency = MATH 1203)
or MATH 1284C	Precalculus Mathematics (ACTS Equivalency = MATH 1305)
or MATH 2554	Calculus I (ACTS Equivalency = MATH 2405)
BIOL 1543 & BIOL 1541L	Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) and Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)
or BIOL 1584	Biology for Majors (ACTS Equivalency = BIOL 1014 Lecture)

<u>CHEM 1103</u> & <u>CHEM 1101L</u>	University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) and University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)	
or <u>CHEM 1203</u> & <u>CHEM 1201L</u>	Chemistry for Majors I and Chemistry for Majors I Laboratory	
<u>PSYC 2003</u>	General Psychology (ACTS Equivalency = PSYC 1103)	
Additional Required Sciences (20 hours)		
<u>BIOL 2443</u> & <u>BIOL 2441L</u>	Human Anatomy (ACTS Equivalency = BIOL 2404 Lecture) and Human Anatomy Laboratory (ACTS Equivalency = BIOL 2404 Lab)	4
<u>BIOL 2213</u> & <u>BIOL 2211L</u>	Human Physiology (ACTS Equivalency = BIOL 2414 Lecture) and Human Physiology Laboratory (ACTS Equivalency = BIOL 2414 Lab)	4
<u>CHEM 1123</u> & <u>CHEM 1121L</u>	University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) and University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)	4
or <u>CHEM 1223</u> & <u>CHEM 1221L</u>	Chemistry for Majors II and Chemistry for Majors II Laboratory	
<u>CHEM 2613</u> & <u>CHEM 2611L</u>	Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture) and Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab)	4-5
or <u>CHEM 3603</u> & <u>CHEM 3601L</u>	Organic Chemistry I and Organic Chemistry I Laboratory	
or <u>CHEM 3703</u> & <u>CHEM 3702L</u>	Organic Chemistry I Lecture for Chemistry Majors and Organic Chemistry I Lab for Chemistry Majors	
<u>PHYS 2013</u> & <u>PHYS 2011L</u>	College Physics I (ACTS Equivalency = PHYS 2014 Lecture) and College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)	4
Additional Non-EXSC Requirements (12 hours)		
<u>NUTR 1213</u>	Fundamentals of Nutrition	3
<u>COMM 1313</u>	Public Speaking (ACTS Equivalency = SPCH 1003)	3
<u>STAT 2303</u>	Principles of Statistics (ACTS Equivalency = MATH 2103)	3
or <u>PSYC 2013</u>	Introduction to Statistics for Psychologists	
or <u>SOCI 3303</u>	Social Data and Analysis	
or <u>STAT 2823</u>	Biostatistics	
<u>PSYC 3023</u>	Abnormal Psychology	3

Exercise Science Core Required (30 hours)

EXSC 2663	Terminology for the Health Professions ¹	3
EXSC 2733	Introduction to Exercise Science	3
EXSC 3153	Exercise Physiology	3
EXSC 3353	Mechanics of Human Movement	3
EXSC 3533	Laboratory Techniques	3
EXSC 4323	Exercise Prescription	3
EXSC 4773	Performance and Drugs	3
EXSC 4783	Sport and Exercise Psychology	3
EXSC 4833	Exercise Applications for Special Populations	3
or EXSC 4833H	Honors Exercise Applications for Special Populations	
EXSC 4903	Internship in Exercise Science ²	3
or EXSC 405V	Independent Study	
or EXSC 498VH	Course EXSC 498VH Not Found	
EXSC Elective		<u>3</u>
Related Electives chosen from EXSC, PBHL, CHLP, SOCI, SPED, FDSC, NUTR, CHEM, STAT, CDIS, BIOL, ANTH, HDFS, ANSC, CNED, PHED, PSYC, SCWK, HRWD, HESC, POSC, PHYS, RESM, MATH		15
General Electives		7-8
Total Hours		120

¹ [EXSC 2663](#) is cross-listed with [PBHL 2663](#).

² [EXSC 498VH](#) option available only if completing Honors Program

8-Semester Plan

Exercise Science B.S.

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. Students must have 40 hours of 3000/4000-level classes to graduate. Find out more about the [state minimum core](#) requirements.

First Year	Units
	Fall/Spring
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013) (Satisfies General Education Outcome	3

1.1)

Choose from (Satisfies General Education Outcome 3.4):¹[CHEM 1103](#) University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) 4& [CHEM 1101L](#) University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)or [CHEM 1203](#) and [CHEM 1201L](#)Choose from (Satisfies General Education Outcome 2.1 if MATH is taken):¹ 3

General Elective (recommend MATH 1203 if appropriate)

[MATH 1213](#) Plane Trigonometry (ACTS Equivalency = MATH 1203)or [MATH 1284C](#) Precalculus Mathematics (ACTS Equivalency = MATH 1305)or [MATH 2554](#) Calculus I (ACTS Equivalency = MATH 2405)Fine Arts or Humanities State Minimum Core (Satisfies General Education Outcome 3.1 or 3.2)¹ 3

Satisfies General Education Outcome 3.4:

[BIOL 1543](#) Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) 4& [BIOL 1541L](#) Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)or [BIOL 1584](#) Biology for Majors (ACTS Equivalency = BIOL 1014 Lecture)[ENGL 1023](#) Composition II (ACTS Equivalency = ENGL 1023) (Satisfies General Education Outcome 1.1) 3Fine Arts or Humanities State Minimum Core (Satisfies General Education Outcome 3.1 or 3.2)¹ 3[CHEM 1123](#) University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) 4& [CHEM 1121L](#) University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)or [CHEM 1223](#) and [CHEM 1221L](#)

Choose from: 3

General Elective (if math requirement met excluding STAT 2303)

[MATH 1213](#) Plane Trigonometry (ACTS Equivalency = MATH 1203)or [MATH 1284C](#) Precalculus Mathematics (ACTS Equivalency = MATH 1305)or [MATH 2554](#) Calculus I (ACTS Equivalency = MATH 2405)[COMM 1313](#) Public Speaking (ACTS Equivalency = SPCH 1003) (Satisfies General Education Outcomes 1.2 and 5.1) 3

Year Total: 17 16

Second Year

Units

FallSpring

[EXSC 2733](#) Introduction to Exercise Science (Satisfies General Education Outcome 4.1) 3[NUTR 1213](#) Fundamentals of Nutrition 3

Choose from (Satisfies General Education Outcome 4.2):

[HIST 2003](#) History of the American People to 1877 (ACTS Equivalency = HIST 2113) 3or [HIST 2013](#) History of the American People, 1877 to Present (ACTS Equivalency = HIST 2123)or [PLSC 2003](#) American National Government (ACTS Equivalency = PLSC 2003)~~[PBHL 2663 Terminology for the Health Professions](#) 3 -~~[EXSC 2663 Terminology for the Health Professions²](#) 3 =[BIOL 2443](#) Human Anatomy (ACTS Equivalency = BIOL 2404 Lecture) 4

& BIOL 2441L Human Anatomy Laboratory (ACTS Equivalency = BIOL 2404 Lab)	
PSYC 2003 General Psychology (ACTS Equivalency = PSYC 1103) (Satisfies General Education Outcome 3.3)	3
STAT 2303 Principles of Statistics (ACTS Equivalency = MATH 2103)	3
or PSYC 2013 Introduction to Statistics for Psychologists	
or SOCl 3303 Social Data and Analysis	
or STAT 2823 Biostatistics	
BIOL 2213 Human Physiology (ACTS Equivalency = BIOL 2414 Lecture)	4
& BIOL 2211L Human Physiology Laboratory (ACTS Equivalency = BIOL 2414 Lab)	
General Elective	2
Social Sciences State Minimum Core (Satisfies General Education Outcome 3.3) ¹	3
Year Total:	16 15
 Third Year	 Units
	FallSpring
PHYS 2013 College Physics I (ACTS Equivalency = PHYS 2014 Lecture)	4
& PHYS 2011L College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)	
EXSC 3153 Exercise Physiology	3
EXSC 3353 Mechanics of Human Movement	3
General Elective	3
Related Elective	3
EXSC 3533 Laboratory Techniques	3
CHEM 2613 Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture)	4
& CHEM 2611L Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab)	
or CHEM 3603 and CHEM 3601L	
Related Elective	3
EXSC 4323 Exercise Prescription	3
EXSC 4773 Performance and Drugs	- 3
EXSC Elective	= <u>3</u>
Year Total:	16 16
 Fourth Year	 Units
	FallSpring
EXSC 4833 Exercise Applications for Special Populations	3
or EXSC 4833H Honors Exercise Applications for Special Populations	
Social Sciences State Minimum Core (Satisfies General Education Outcome 3.3) ¹	3
EXSC 4783 Sport and Exercise Psychology	3
PSYC 3023 Abnormal Psychology	3
EXSC 4903 Internship in Exercise Science (Satisfies General Education Outcome 6.1) ^{1, 3}	3
or EXSC 405V Independent Study	
or EXSC 498VH Course EXSC 498VH Not Found	

Related Elective	9
Year Total:	12 12
Total Units in Sequence:	120

1
Students must complete the [State Minimum Core requirements](#) as outlined in the Catalog of Studies. The courses that meet the state minimum core also fulfill many of the university's [General Education requirements](#), although there are additional considerations to satisfy the general education learning outcomes. Students are encouraged to consult with their academic advisor when making course selections.

2
[EXSC 2663](#) is cross-listed with [PBHL 2663](#).

3
[Use of EXSC 498VH only for students completing the College of Education and Health Professions Honors Program.](#)

Are Similar Programs available in the area?

No

Estimated Student Demand for Program 750

Scheduled Program Review Date 2023-2024

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

Description of specific change	Justification for this change
The C or better requirement was removed from EXSC 3153, 3353, and 3533.	The program is aligning all EXSCBS course requirements.

Description of specific change	Justification for this change
Changing CIP code from 31.0505 (Kinesiology and Exercise Science) to 26.0908 (Exercise Physiology and Kinesiology).	We are changing the CIP code from 31.0505 (Kinesiology and Exercise Science) to 26.0908 (Exercise Physiology and Kinesiology). This new CIP code will be more representative of what the degree is academically providing, along with the academic opportunities students are provided; this was unanimously agreed upon and approved by the program faculty. For example, a large proportion of the faculty are conducting research and teaching content specific to exercise physiology. Thus, this change will be more reflective of what is already occurring. There is also a trend nationally for similar programs as this one to use this CIP code.
Removing EXSC 4773 as a required course and replacing with "EXSC Elective"	It was determined that the content within EXSC 4773 is no longer required for all EXSC students. Thus they can take this or other EXSC elective courses as part of their degree.
KINS 405V replaced with EXSC 405V. KINS 498VH replaced with EXSC 498VH.	Better reflects the program area
Clarified that EXSC 2663 is cross-listed with PBHL 2663.	Improves clarity to students.

Upload attachments

[EXSCBS - Changing CIP Code - Ltr of Notification.pdf](#)

Reviewer Comments

Alice Griffin (agriffin) (10/27/22 3:57 pm): Inserted anticipated approval dates and renamed LON to match BOT naming convention.

Matthew Ganio (msganio) (10/31/22 12:14 pm): Per dept request removed EXSC 4773 as a required course and replaced with EXSC general elective.

Matthew Ganio (msganio) (10/31/22 12:20 pm): EXSC 498VH "not found" because the change from KINS 498VH is currently going through approval.