

Date Submitted: 10/27/22 11:07 am

Viewing: **EXSCMS : Exercise Science, Master of Science**

Last approved: 10/11/22 8:44 am

Last edit: 10/30/22 11:33 am

Changes proposed by: msganio

Catalog Pages Using  
this Program  
[Exercise Science \(EXSC\)](#)

Submitter:                      User ID: [msganio](#) ~~pcallej~~                      Phone:  
[575-2956](#) ~~575-2854~~

Program Status                      Active

Academic Level                      Graduate

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

Approval Path

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

Program Code	EXSCMS	Approved for EDUC Dean Initial
Degree	Master of Science	2. 10/28/22 9:10 am Christa Hestekin (chesteki): Approved for GRAD Dean Initial
CIP Code		3. 10/28/22 10:08 am Jim Gigantino (jgiganti): Approved for Provost Initial
		4. 10/28/22 12:51 pm Alice Griffin (agriffin): Approved for Director of Curriculum Review and Program Assessment
		5. 10/30/22 11:33 am Gina Daugherty (gdaugher): Approved for Registrar Initial
		6. 10/31/22 10:59 am Doug Miles (dmiles): Approved for Institutional Research
		7. 10/31/22 12:21 pm Michelle Gray (rgray): Approved for HHPR Chair
		8. 11/02/22 2:42 pm Matthew Ganio (msganio): Approved for EDUC Curriculum Committee
		9. 11/02/22 2:46 pm Matthew Ganio

(msganio):

Approved for EDUC  
Dean

10. 11/02/22 3:27 pm

Suzanne Kenner

(skenner): Approved  
for Global Campus

11. 11/02/22 4:10 pm

Jim Gigantino

(jgiganti): Approved  
for Provost Review

12. 11/17/22 4:49 pm

Christa Hestekin

(chesteki):

Approved for  
Graduate Council

## History

1. Aug 15, 2014 by

Leepfrog

Administrator

(clhelp)

2. Jun 1, 2016 by

Charlie Alison

(calison)

3. Jun 1, 2016 by

Charlie Alison

(calison)

4. Oct 30, 2017 by

Charlie Alison

(calison)

5. May 8, 2020 by Paul

Calleja (pcallej)

6. Mar 31, 2021 by

Charlie Alison

(calison)

7. Oct 11, 2022 by

Paul Calleja (pcallej)

**Program Title**

Exercise Science, Master 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      33  
hours needed to  
complete the  
program?

## Program Requirements and Description

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**Requirements****Application to Degree Program:**

The Exercise Science program undertakes a holistic review of applicants. For acceptance to the program, a student must meet the general requirements for admission to the Graduate School, have earned an undergraduate degree in exercise science (or in a related field) and meet the following admission standards: a 3.00 GPA on the last 60 hours of undergraduate course work and GRE scores. Students who have been accepted into the program have had average GRE scores of: Quantitative — 147, Verbal — 146, and Writing — 3.5. Further, the student will also need to submit a resume/curriculum vitae, 500-word interest statement, and the contact information for three references to be considered for program admission consideration.

**Application to Degree Program (4+1 Program):**

Applicants for the Exercise Science M.S. under the 4+1 Program must be a University Arkansas undergraduate pursuing a bachelor's degree in exercise science, completed at least 60 credit hours towards the EXSCBS degree, and must have a cumulative GPA of at least 3.25.

All prospective students who apply through the 4+1 program are evaluated by the Exercise Science Program faculty and using a variety of factors including GPA, resume/Curriculum vita, 500 word interest statement, and the contact information for three references. GRE Scores are not required to apply to M.S. program through the 4+1 program.

**Courses Completed during the Final Undergraduate Year:**

4+1 students may take up to 12 hours of graduate coursework (5000 and 6000 level coursework) in the last 12 months of their undergraduate degree that will be counted toward both their B.S. and M.S. degrees. The three required courses and timing of completion are [EXSC 5513](#) (Fall), [EXSC 5593](#) (Fall), and [HHPR 5353](#) (Spring). The final course which is taken in the spring can be chosen from the following: [EXSC 5333](#), [EXSC 5523](#), [EXSC 5533](#),

[EXSC 5643](#), [EXSC 5773](#), and [EXSC 6443](#). Upon completion of the B.S. degree (including the graduate courses), the 4+1 students who have at least an average 3.0 GPA in EXSC and HHPR graduate courses will be accepted by the program faculty into the EXSC M.S. degree program after admittance into the Graduate School.

**Requirements for the Master of Science Degree:** Candidates for the M.S. degree in Exercise Science must complete 27 semester hours of graduate work and a thesis (6 credit hours) or 33 semester hours without a thesis. A graduate GPA of 3.0 or better is required for graduation. In addition, all degree candidates must successfully complete a written comprehensive examination.

Students should also be aware of Graduate School requirements with regard to [master's degrees](#).

<b>Required Research Component (6 hours)</b>		
<a href="#">ESRM 5393</a>	Statistics in Education and Health Professions	3
<a href="#">HHPR 5353</a>	Research in Health, Human Performance and Recreation	3
<b>Required Core Courses (9 hours)</b>		
<a href="#">EXSC 5323</a>	Biomechanics I	3
<a href="#">EXSC 5513</a>	Physiology Exercise I	3
<a href="#">EXSC 5593</a>	Advanced Exercise Testing and Prescription	3
<b>Required Project or Thesis (3-6 hours)</b>		
<a href="#">KINS 589V</a>	Independent Research	1-3
<a href="#">KINS 600V</a>	Master's Thesis	1-6
<b>Approved Electives</b>		<b>12-15</b>
<a href="#">EXSC 5333</a>	Instrumentation in Biomechanics	
<a href="#">EXSC 5353</a>	Exercise Psychology	
<a href="#">EXSC 5523</a>	Muscle Metabolism in Exercise	
<a href="#">EXSC 5533</a>	Cardiac Rehabilitation Program	
<a href="#">EXSC 5543</a>	Cardiovascular Function in Exercise	
<a href="#">EXSC 5613</a>	Physical Dimensions of Aging	
<a href="#">EXSC 5643</a>	Advanced Psychology of Sports Injury and Rehabilitation	
<a href="#">EXSC 5773</a>	Performance and Drugs	
<a href="#">EXSC 6313</a>	Muscle Physiology	
<a href="#">EXSC 6323</a>	Biomechanics II	
<a href="#">EXSC 6343</a>	Physiology of Exercise II	
<a href="#">EXSC 6443</a>	Thermoregulation and Fluid Balance	

Total Hours

33

## Are Similar Programs available in the area?

No

Estimated Student      NA  
Demand for Program

Scheduled Program      2023-2024  
Review Date

Program Goals and  
Objectives

### Program Goals and Objectives

1. To provide advanced experience for the students in exercise science that improves skills related to exercise and for entry-level allied health professions health professions.
2. Prepare students to serve as exercise specialist or sports science consultants.
3. Prepare students interest in research for doctoral work in health or exercise science, aimed to serve Arkansas and beyond.

### Learning Outcomes

#### Learning Outcomes

1. Students will be able to integrate and problem-solve using management techniques across a variety of different situations in health, fitness and disease.
2. Students will be able to design a research project relative to exercise science.
3. Students will be able to demonstrate their knowledge of the current literature by writing and presenting in EXSC 5513 (Exercise Physiology) and EXSC 5323 (Biomechanics).

### Description and justification of the request

**Description of specific change**

**Justification for this change**

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.

## Upload attachments

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

## Reviewer Comments

**Alice Griffin (agriffin) (10/28/22 12:49 pm):** Inserted anticipated approval dates and the degree code. Renamed document to match BOT naming convention.

**Alice Griffin (agriffin) (10/28/22 12:51 pm):** ATTENTION REGISTRAR: Please remove the Undergraduate Council from the approval workflow.

**Gina Daugherty (gdaugher) (10/30/22 11:33 am):** Removed Undergraduate Council from workflow.

Key: 212