

Date Submitted: 08/25/23 12:28 pm

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

Last approved: 05/26/23 10:04 am

Last edit: 09/05/23 4:57 pm

Changes proposed by: alsulliv

Catalog Pages Using this Program

[Exercise Science \(EXSC\)](#)

Submitter: User ID: [alsulliv msganio](#) Phone: [5754099 575-2956](#)

Program Status: Active

Academic Level: Graduate

Type of proposal: Major/Field of Study

Select a reason for this modification

Making Minor Changes to an Existing Certificate, Degree or Program (including 15 or fewer hours, admission/graduation requirements, Focused Studies or Tracks)

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 2024

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. 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. Graduate Council
12. Faculty Senate
13. Provost Final
14. Registrar Final
15. Catalog Editor Final

Approval Path

1. 08/18/23 2:15 pm
Matthew Ganio (msganio): Approved for EDUC Dean Initial
2. 08/21/23 4:41 pm
Jim Gigantino (jgiganti): Approved for GRAD Dean Initial
3. 08/21/23 6:42 pm
Lisa Kulczak (lkulcza): Rollback to Initiator

Program Code EXSCMS
 Degree Master of Science
 CIP Code

4. 08/28/23 8:29 am
 Matthew Ganio
 (msganio):
 Approved for EDUC
 Dean Initial
5. 08/28/23 9:01 am
 Ed Bengtson
 (egbengts):
 Approved for GRAD
 Dean Initial
6. 09/05/23 12:49 pm
 Lisa Kulczak
 (lkulcza): Approved
 for Director of
 Curriculum Review
 and Program
 Assessment
7. 09/05/23 4:57 pm
 Gina Daugherty
 (gdaugher):
 Approved for
 Registrar Initial
8. 09/05/23 6:18 pm
 Doug Miles
 (dmiles): Approved
 for Institutional
 Research
9. 09/06/23 11:22 am
 Michelle Gray
 (rgray): Approved
 for HHPR Chair
10. 10/04/23 2:35 pm
 Matthew Ganio
 (msganio):
 Approved for EDUC
 Curriculum
 Committee
11. 10/04/23 2:54 pm
 Matthew Ganio
 (msganio):

Approved for EDUC
Dean

12. 10/04/23 2:57 pm
Suzanne Kenner
(skenner): Approved
for Global Campus
13. 10/04/23 4:40 pm
Jim Gigantino
(jgiganti): Approved
for Provost Review
14. 10/19/23 3:14 pm
Ed Bengtson
(egbengts):
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)
8. May 26, 2023 by
Matthew Ganio
(msganio)

26.0908 - Exercise Physiology and Kinesiology.

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 30 ~~33~~ hours needed to complete the program?

Program Requirements and Description

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 ~~standard:~~ standards: a 3.00 GPA on the last 60 hours of undergraduate course ~~work.~~ 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 Accelerated Degree Program (4+1 Program):

Applicants for the Exercise Science M.S. under the Accelerated 4+1 Program must be a University of Arkansas undergraduate pursuing a bachelor's degree in exercise science, completed at least 60 credit hours towards the EXSCBS degree, enrolled in or has completed EXSC 3153, and must have a cumulative GPA of ~~of~~ at least 3.25. All prospective students who apply through the Accelerated 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 Accelerated 4+1 program.

Courses Completed during the Final Undergraduate Year:

Accelerated 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](#). All 12 hours are taken in lieu of general and EXSC-related electives. Upon completion of the B.S. degree (including the graduate courses), the Accelerated 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 24 27 semester hours of graduate work and a thesis (6 credit hours) or 30 33 semester hours without a thesis. A graduate GPA of 3.0 or better is required for graduation. In addition, non-thesis 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](#).

Required Research Component (6 hours)

ESRM 5393	Statistics in Education and Health Professions	3
HHPR 5353	Research in Health, Human Performance and Recreation	3

Required Core Courses (9 hours)

EXSC 5323	Biomechanics I	3
EXSC 5513	Physiology Exercise I	3
EXSC 5593	Advanced Exercise Testing and Prescription	3

Thesis Track (6 hours)

KINS 600V	Master's Thesis	6
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Approved Electives

12-15

Approved Electives (9 hr if thesis;15 hr if non-thesis)

9-15

EXSC 5333	Instrumentation in Biomechanics	
EXSC 5353	Exercise Psychology	
EXSC 5523	Muscle Metabolism in Exercise	
EXSC 5533	Cardiac Rehabilitation Program	
EXSC 5543	Cardiovascular Function in Exercise	
EXSC 5613	Physical Dimensions of Aging	
EXSC 5643	Advanced Psychology of Sports Injury and Rehabilitation	
EXSC 5773	Performance and Drugs	
EXSC 6313	Muscle Physiology	
EXSC 6323	Course EXSC 6323 Not Found	
EXSC 6343	Physiology of Exercise II	

EXSC 6443

Thermoregulation and Fluid Balance

KINS 589V

Independent Research

Total Hours

30

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
Moving from 33 hour to 30 hour requirement for degree. Removed research requirement for non-thesis majors. Changed name of 4+1 to Accelerated.	We are moving to align with the Arkansas Department of Higher Education guidelines.

Upload attachments

Reviewer Comments

Matthew Ganio (msganio) (08/18/23 2:15 pm): removed EXSC 6323 from elective list. This class has been inactivated.

Lisa Kulczak (lkulcza) (08/21/23 6:42 pm): Rollback: This proposal does not qualify for the shortened approval process because of 1) the change to the total number of hours required and 2) the change to admission requirements. Please select "Making Minor Changes to an Existing....." and resubmit.

Matthew Ganio (msganio) (08/28/23 8:26 am): corrected name of degree from EXSC-BS to EXSCBS

Matthew Ganio (msganio) (08/28/23 8:29 am): clarified how electives work.

Lisa Kulczak (lkulcza) (09/05/23 12:49 pm): ATTENTION REGISTRAR: Please remove Undergraduate Council from the workflow.

Gina Daugherty (gdaugher) (09/05/23 4:57 pm): Undergraduate Council removed from workflow.

Key: 212