

Academic Map: Exercise Science, Pre-Athletic Training

Department: Exercise and Sport Science **Degree:** BS¹
Program/Major: Exercise Science
Track/Emphasis: Pre-Athletic Training
Does this program require a minor? (Yes/No) No

Important program information in the online *Undergraduate Bulletin*:

UCA Core Requirements: <https://uca.edu/ubulletin/general-policies-information/uca-core/>
LD UCA Core Check Sheet: <https://uca.edu/academicbulletins/ld-uca-core/>
UD UCA Core Course List: <https://uca.edu/academicbulletins/ud-uca-core/>
Degree Requirements: <https://uca.edu/ubulletin/general-policies-information/degree-requirements/>
Program Description: <https://uca.edu/ubulletin/colleges-departments/ch/exss/>
Course Descriptions: <https://uca.edu/ubulletin/courses/>

This degree program requires a total of 120 semester credit hours, including at least 40 upper-division credit hours.

Comparable courses in the Arkansas Course Transfer System (ACTS) are cross-referenced in the ACTS column of each semester block below; a [core link](https://uca.edu/academicbulletins/ld-uca-core/) (https://uca.edu/academicbulletins/ld-uca-core/) takes the user to the *Undergraduate Bulletin's* UCA Lower-Division Core check sheet, where UCA Core options and ACTS course numbers are listed in full; an [acts link](https://uca.edu/academicbulletins/acts/) takes the user to the *Undergraduate Bulletin's* ACTS page (https://uca.edu/academicbulletins/acts/) for additional information and a UCA-ACTS crosswalk.

Scholarship recipients: Please be aware of eligibility criteria for your scholarship(s). In particular, pay attention to (1) the enrollment requirements each semester for disbursement of your scholarship(s) and (2) the number of hours and GPA required each semester and/or year for renewal of your scholarship(s). Some Academic Maps may suggest enrollment in fewer hours than required for disbursement of your scholarship(s). In such cases, work with your academic advisor to adjust your schedule to meet requirements most efficiently. Contact the Office of Student Financial Aid at (501) 450-3140 with any questions regarding enrollment/renewal requirements of your scholarship(s). For online information resources, see endnote ².

Year 1

Fall – Semester 1 (Credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
WRTG	1310	Introduction to College Writing	3	ENGL1013
EXSS	1320	Foundations of Wellness (FYS, if possible) ³	3	
BIOL	1400 1401 1402 1440	Exploring Concepts in Biology or Exploring Ecology and the Environment or Exploring Human Biology or Principles of Biology (LD UCA Core: Life Science) ⁴	4	BIOL1004 BIOL1004 BIOL1004 BIOL1014
PSYC	1300	General Psychology (LD UCA Core: Inquiry/Analysis [SS])	3	PSYC 1103
MATH	1390	College Algebra or Approved higher level mathematics course	3	MATH1103 core link

Spring – Semester 2 (Credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
WRTG ENGL	1320 1320	Academic Writing and Research or Interdisciplinary Writing and Research or Other approved alternative (LD UCA Core: Writing/Research)	3	ENGL1023 ENGL1023 core link

SUBJ	NUM	TITLE	SCH	ACTS
COMM	1300	Principles of Communication [formerly SPCH 1300] ⁵ or Approved alternative (LD UCA Core: Oral Communication)	3	SPCH1003 core link
CHEM	1402 1450	General Chemistry for Health Sciences or College Chemistry I ⁶	4	CHEM1214 CHEM1414
EXSS	1310	Introduction to Exercise Science	3	
		LD UCA Core: Diversity/Creative Works or LD UCA Core: Inquiry/Analysis, FA/HUM ⁷	3	core link

Year 2

Fall – Semester 3 (Credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
		BS Science/Math ⁸	4	acts link
EXSS	2340	Motor Development and Learning	3	
EXSS	2381	Anatomical Kinesiology	3	
HLTH	2201	First Aid	2	
		LD UCA Core: Diversity/Creative Works or LD UCA Core: Inquiry/Analysis, FA/HUM ⁷	3	core link

Spring – Semester 4 (Credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
		BS Science/Math ⁸	4	acts link
NUTR	1300	Foundations of Nutrition	3	
EXSS	3215	Athletic Training Profession	2	
PSYC	2370 4320	Developmental Psychology or Abnormal Psychology	3	
		LD UCA Core (Diversity/World Cultures [SS only]) ⁹	3	core link

Year 3

Fall – Semester 5 (Credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
EXSS	2320	Fitness Assessments in Exercise Science	3	
EXSS	3303	Exercise Physiology	3	
PHYS	1405 1410	Applied Physics ¹⁰ or College Physics 1	4	
		LD UCA Core (Inquiry/Analysis: American History/Government)	3	core link
		Nutrition Requirement ¹¹	3	

Spring – Semester 6 (Credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
EXSS	4395	Sport in American Society (UD UCA Core: D)	3	
EXSS	3350	Obesity Prevention and Management	3	
EXSS	3382	Biomechanics (UD UCA Core: I)	3	
EXSS	3348	Exercise Prescription for General Populations (UD UCA Core: R)	3	
EXSS	3331	Care and Prevention of Exercise and Sport Injuries	3	

Year 4**Fall – Semester 7 (Credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
EXSS	3352	Exercise Prescription for Special Populations	3	
EXSS	4351	Sport and Fitness Administration (UD UCA Core: C)	3	
EXSS	4376	Advanced Strength and Conditioning	3	
		Statistics Requirement ¹²	3	
BIOL	4351	General Pharmacology ¹³	3	

Spring – Semester 8 (Credit hours: 12)

SUBJ	NUM	TITLE	SCH	ACTS
EXSS	3353	Exercise Prescription for Senior Populations	3	
EXSS	4320	Measurement and Evaluation in Human Performance (UD UCA Core: Z)	3	
BIOL	4311	Pathophysiology ¹⁴	3	
EXSS	4V99	Internship in Exercise Science ¹⁵	3	

SIGNED – DEPARTMENT CHAIR

DATE

SIGNED – COLLEGE DEAN

DATE

To be completed by the advisor when an Eight-Semester Plan is accepted by the student:

If applicable, has student selected a minor? Type “x” as appropriate. _____ No _____ Yes

If “yes,” specify: _____

Notes

¹ A major grade point average of 2.0 or higher on a 4.0 scale is required to complete the Bachelor of Science in Exercise Science with a Pre-Athletic Training concentration. This degree serves as a pre-professional plan (contains the prerequisites course requirements) for admission to the graduate level Athletic Training Program which has competitive and selective admission. A cumulative GPA of at least 2.70 on 4.00 scale or at least a 3.00 GPA on a 4.00 scale on the last 60 hours of course work is necessary to apply for the Master of Science in Athletic Training. Students will need to graduate from an accredited graduate level Athletic Training Program to be eligible to sit for the Board of Certification examination for the Athletic Trainer and become licensed to practice in the state of Arkansas as an athletic trainer.

² See online information resources for UCA scholarships at <https://uca.edu/scholarships/> and for state scholarships at <https://scholarships.adhe.edu/scholarships-and-programs/a-z/>.

³ It is recommended that students complete an FYS section of EXSS 1320. If an FYS section of the course is not available, students may complete a traditional section of EXSS 1320. Students should consult with their advisor to ensure that they complete an FYS section of a course from either Critical Inquiry courses or Social Science courses (designated SS) within Diversity/World Cultures. See also note 7.

⁴ Must be animal biology, not botany. Note: BIOL 1440 requires the following prerequisites: High School chemistry or CHEM 1301 (or above) and a composite ACT score of 21 or higher OR BIOL 1400 and CHEM 1301 (or above), both with a grade of C or higher. Students not meeting the prerequisite requirements must have permission of the Biology department chair prior to enrollment.

Notes – *continued*

⁵ COMM 1300 and SPCH 1300 are the same course. Take only one of them.

⁶ CHEM 1402 and 1450 require the following prerequisites: ACT mathematics score of at least 21 or corequisite/prerequisite of MATH 1390. It is recommended that students have taken and passed high school chemistry or have completed CHEM 1301 with a C or better.

⁷ Students must complete at least one Humanities (HUM) and one Fine Arts (FA) course as part of the lower-division UCA Core, one from the Diversity in Creative Works category and the other from the Critical Inquiry, Fine Arts/Humanities category. One course must be completed in the second semester and the other course must be completed in the third semester. Note that the following humanities courses have prerequisites: CHIN 2320 Intermediate Chinese II, FREN 2320 Intermediate French II, GERM 2320 Intermediate German II, SPAN 2320 Intermediate Spanish III.

⁸ Depending on the math or science courses selected to satisfy the special degree requirements for a Bachelor of Science, the student will need to adjust the number of general elective hours in this AMAP. For further details about the BS Science/Math requirement, see the Undergraduate Bulletin, "Degree Requirements." The program recommends that students complete two 4-credit hour science courses (Biology, Chemistry, or Physics) beyond the LD UCA Core requirements to fulfill the special degree requirements. It is recommended that, if students have CHEM 1402 or CHEM 1450, they complete BIOL 3406 and BIOL 3407 for their special degree requirement.

⁹ In addition to PSYC 1300 General Psychology, students must complete an additional Social Science course (designated SS) in the Diversity in World Cultures category of the LD UCA Core. Students in consultation with their advisor should refer to the current *Undergraduate Bulletin* and the lower-division UCA Core check sheet in selecting an appropriate SS course.

¹⁰ PHYS 1405 is an acceptable substitution for PHYS 1410 and is offered in the spring semesters.

¹¹ Students select one of the following courses to satisfy the nutrition requirement: NUTR 3370 or NUTR 4315. NUTR 3370 require the following prerequisites: a C or better in NUTR 1300 AND CHEM 1402. It is recommended that students in the Pre-Athletic Training concentration complete NUTR 4315.

¹² Students select one of the following courses to satisfy the statistics requirement: MATH 2311, PSYC 2330, or SOC 2321.

¹³ BIOL 4351 requires one of the following as a prerequisite: BIOL 2405, BIOL 3407, or BIOL 4460.

¹⁴ BIOL 4311 requires one of the following as a prerequisite: BIOL 2405, BIOL 2410, BIOL 3407, or BIOL 4460.

¹⁵ Students must have current CPR/First Aid Certification prior to enrolling in and during EXSS 4V99 Internship in Exercise Science.