

Academic Map: Middle-Level Education, Math + Science

Department: Teaching and Learning **Degree:** BSE
Program/Major: Middle-Level Education
Track/Emphasis: Math + Science
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/ce/teaching-learning/>
Course Descriptions: <https://uca.edu/ubulletin/courses/>

This degree program requires a total of 122 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* Lower-Division (LD) UCA 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 1.

Year 1

Fall – Semester 1 (credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
MATH	1390	College Algebra (Critical Inquiry: Quantitative)	3	MATH1103
WRTG	1310	Introduction to College Writing (Communication: Writing Foundation)	3	ENGL1013
EDUC	1300	Education as a Profession	3	
BIOL	1400	Exploring Concepts in Biology (LD UCA Core: Lab Life Science)	4	BIOL1004
		LD UCA Core: First Year Seminar ²	3	core link

Spring – Semester 2 (credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
WRTG ENGL	1320 1320	Academic Writing & Research or Interdisciplinary Writing & Research or Other approved alternative (LD UCA Core: Research/Writing)	3	ENGL1023 ENGL1023 core link
MATH	3352	Number Systems: Reals	3	
COMM	1300	Principles of Communication (LD UCA Core: Oral Communication)	3	SPCH1003

SUBJ	NUM	TITLE	SCH	ACTS
PHYS	1400	Physical Science for General Education (LD UCA Core: Lab Physical Science)	4	PHSC1004
		LD UCA Core ³	3	core link

Year 2**Fall – Semester 3 (credit hours: 17)**

SUBJ	NUM	TITLE	SCH	ACTS
MATH	3364	Concepts of Geometry and Measurement	3	
CHEM	1450	College Chemistry I	4	CHEM1004
PHYS	1401	Descriptive Astronomy	4	PHSC1204
		LD UCA Core ³	3	core link
		LD UCA Core ³	3	core link

Spring – Semester 4 (credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
MATH	3354	Concepts of Discrete Mathematics (spring only)	3	
SCI GEOG	3410 1400	Earth Science or Earth Systems Science	4	PHSC1104
MSIT	3320	Introduction to Teaching at the Middle Level ³ (must be completed prior to Gate 1 admission to teacher education)	3	
		LD UCA Core ³	3	core link
		LD UCA Core ³	3	core link

Year 3**Fall – Semester 5 (credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
MATH	4314	Applications of Middle Level Mathematics (fall only)	3	
MATH	4320	Concepts of Calculus (fall only)	3	
SCI	3320	Advanced Science Concepts: Earth and Physical (fall only)	3	
HIST	3310	Social Science Concepts in Arkansas History	3	
MSIT	3310	Learning and Development (UD UCA Core: D, R)	3	

Spring – Semester 6 (credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
MATH	4335	Concepts of Advanced Mathematics (spring only)	3	
SCI	3425	Advanced Science Concepts: Biological (spring only)	4	
MSIT	4325	Disciplinary Literacy ⁴ (UD UCA Core: C)	3	
EDUC	3322	Diverse Learners in Inclusive Settings ⁵	3	
EDUC	4210	Integration of Technology into Teaching and Learning ⁵	2	

Year 4**Fall – Semester 7 (Credit hours: 15)⁶**

SUBJ	NUM	TITLE	SCH	ACTS
MSIT	4305	Classroom Management ³	3	
MSIT	4311	Internship I ³	3	
MSIT	4312	Strategies for Reading and Writing Assessment and Instruction ³	3	
MSIT	4321	Classroom Assessment (UD UCA Core: I)	3	
MSIT	4328	Advanced Strategies for Teaching and Learning in Middle Level Content-Specific Classrooms	3	

Spring – Semester 8 (Credit hours: 12)⁷

SUBJ	NUM	TITLE	SCH	ACTS
MSIT	4T90	Internship II (UD UCA Core: Z)	12	

Notes

¹ 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/>.

² See appropriate choices, alternatives, or substitutions under "UCA Core" in the *Undergraduate Bulletin*. During the first year, a student must complete a UCA Core course designated as a First-Year Seminar (FYS) in Critical Inquiry, Diversity, or Responsible Living. It is recommended that students complete EDUC 2330 to meet the Responsible Living requirement. The student will also need to complete major, minor, or general elective courses designated as fulfilling the upper-division and capstone requirements of the UCA Core. See annotations in this Academic Map for courses within the major that fulfill these requirements.

³ Field experience hours required.

⁴ Must be admitted to teacher education and field experience hours required.

⁵ Must be admitted to teacher education.

⁶ Must be admitted to teacher education to enroll in courses listed in this semester and field experience hours required in some courses. Take required Praxis II **content** exam(s) and achieve internship minimum score to proceed to MSIT 4T90 Internship II.

⁷ Must be admitted to teacher education to enroll in courses listed in this semester and field experience hours required.