

BAED - Mathematics (Secondary)

Program Requirements

General requirements for a bachelor's degree: 120 minimum credit hours, overall GPA 2.500 and major content GPA 2.500. In addition to meeting the requirements of the WSU General Education Program (<http://catalog.wichita.edu/undergraduate/academic-information/general-education-program/>) and the requirements of the College of Applied Studies, students in the BAED - mathematics (secondary) must take the following courses:

Course	Title	Hours
General Education (34-35 credit hours)		
Select courses to meet General Education requirements ¹		28-29
General Education courses that will also meet Program Requirements		
CESP 334	Introduction to Diversity: Human Growth and Development	3
ENGL 315	Introduction to English Linguistics	3
or LING 315	Introduction to English Linguistics	
or ANTH 352	Linguistic Anthropology	
College Requirements		
Select one of the following		4-5
PHYS 195 & PHYS 196	Introduction to Modern Astronomy and Laboratory in Modern Astronomy	
CHEM 211	General Chemistry I	
PHYS 213	General College Physics I	
PHYS 313	Physics for Scientists I	
Major Requirements		
MATH 242	Calculus I	5
MATH 243	Calculus II	5
MATH 344	Calculus III	3
MATH 321	Discrete Structures I	3
MATH 415	An Introduction to Advanced Mathematics	3
MATH 511	Linear Algebra	3
MATH 613	Fundamental Concepts of Algebra	3
MATH 621	Elementary Geometry	3
STAT 460	Elementary Probability and Mathematical Statistics	3
CI 503	Mathematics for High School Teachers	3
Select one of the following		3
MATH 451	Computational Mathematics Using MATLAB	
MATH 530	Applied Combinatorics	
MATH 531	Introduction to the History of Mathematics	
MATH 547	Advanced Calculus I	
MATH 551	Numerical Methods	
MATH 553	Mathematical Models	
MATH 555	Differential Equations I	
MATH 615	Elementary Number Theory	
Math Applications		
Select one of the following courses; other options need to be approved by an advisor		3
ECON 201	Principles of Macroeconomics	

PHYS 195 & PHYS 196	Introduction to Modern Astronomy and Laboratory in Modern Astronomy	
CHEM 211	General Chemistry I	
PHYS 213	General College Physics I	
PHYS 313	Physics for Scientists I	
CS 211	Introduction to Programming	
Teacher Education - Middle and Secondary Majors (need a B- or better in all courses below)		
CI 270	Introduction to the Education Profession ²	3
Core I - Fall Only		
CI 320	Introduction to Diversity: Exceptionalities	2
CI 321	Introduction to Diversity: Cultural Issues	2
CI 325	ISAM: Middle/Secondary General Methods	2
CI 315	Core I Practicum	1
Core II - Spring Only		
CI 403	Learning and Educational Assessment	2
CI 425M	ISAM: Middle/Secondary Level Content-Specific Methods I - Mathematics	2
CI 426M	Core II Practicum - Mathematics	1
CI 427	Philosophy, History and Ethics of Education	3
SOC 330	Social Inequality	3
Core III - Fall Only		
CI 413M	Teaching Internship I: Secondary Level Mathematics	3
CI 417	ISAM: Literacy Strategies in the Content Areas	2
CI 435M	ISAM: Middle/Secondary Level Content-Specific Methods II - Mathematics	3
Core IV - Spring Only		
CI 436M	ISAM: Middle/Secondary Level Content-Specific Methods III - Mathematics	2
CI 471M	Teaching Internship II: Secondary Level Mathematics	10
Licensure Exams		
Praxis II Mathematics Content Knowledge Test		
CAS 501	Teacher Licensure Capstone	0
Total Credit Hours		120

¹ Required major courses may also count towards General Education requirements. Students will need to select additional electives to reach 120 credit hours required for graduation with assistance from an advisor.

² B- or better.

Official Program Transition Point Requirements

- Admission into teacher education - completed application packet and meet all admission to teacher education requirements as specified in College of Applied Sciences - Policies (<http://catalog.wichita.edu/undergraduate/applied-studies/#policiestext>).
- Admission to teacher internship:

- a. Satisfactory accomplishment of content-area, standard-driven assessments,
 - b. *B-* or better in all professional teacher education courses,
 - c. 2.500 GPA (overall, WSU and content), and
 - d. Completed teacher intern application.
3. Exit from teacher internship:
- a. *B-* or better in all professional courses,
 - b. 2.500 GPA (overall and WSU),
 - c. Successful completion of all degree requirements, and
 - d. Final university supervisor evaluation form.
4. Degree completion:
- a. 2.500 GPA (overall and WSU), and
 - b. Meets all degree requirements.
5. Licensure recommendation:
- a. Passes common assessments,
 - b. Passing score on Teacher Licensure Capstone,
 - c. Praxis II content test(s) passed, and
 - d. Licensure application.

Applied Learning

Students are required to complete an applied learning or research experience to graduate from programs in the School of Education. The requirements can be met by the following:

Students who graduate from a teacher education program must successfully complete an assigned field experience in an educational setting.