

## BAED - Mathematics/Science (Middle)

General requirements for Bachelor's degree: 132 minimum hours; overall GPA 2.500; major content GPA 2.500.

Course	Title	Hours
<b>Requirements for Middle School Majors</b>		
<b>Mathematics</b>		
<i>Content Prerequisites in General Education</i>		
MATH 111	College Algebra <sup>1</sup>	3
STAT 370	Elementary Statistics <sup>1</sup>	3
<i>Content Courses Required for Middle Level Content Area</i>		
MATH 121	Geometry for College Students (offered summer only) <sup>1</sup>	3
MATH 123	College Trigonometry <sup>1</sup>	3
MATH 144	Business Calculus <sup>1</sup>	3
MATH 300	Evolution of Mathematics (offered summer only) <sup>1</sup>	3
MATH 501	Elementary Mathematics <sup>1</sup>	5
MATH 502	Mathematics for Middle School Teachers (offered fall only)	5
<b>Science</b>		
<i>Content Prerequisites in General Education</i>		
PHYS 111	Introductory Physics	4
PHYS 395	Solar System Astronomy	3
<i>Content Courses Required for Middle Level Content Area</i>		
CHEM 103	Introductory General, Organic and Biochemistry	5
PHYS 502	Science Investigations: Physics	5
GEOL 102	Earth Science and the Environment	4
BIOL 210	General Biology I	4
BIOL 211	General Biology II	4
CI 505	Science Technology & Society	1
Total Credit Hours		58

Course	Title	Hours
CI 270	Introduction to the Education Profession <sup>2</sup>	3
<b>Teacher Education - Middle and Secondary Majors (need a B- or better in all courses below)</b>		
<i>Core I - Fall Only</i>		
CI 320	Introduction to Diversity: Exceptionalities	2
CI 321	Introduction to Diversity: Cultural Issues	2
CI 325	ISAM: Middle/Secondary General Methods	1
CI 315	Core I Practicum	1
<i>Core II - Spring Only</i>		
CESP 433	Learning Assessment and Evaluation Theory: Evidence-Based Instruction <sup>3</sup>	3
CI 425S	ISAM: Middle/Secondary Level Content-Specific Methods I - Sciences	2
or CI 425M	ISAM: Middle/Secondary Level Content-Specific Methods I - Mathematics	
CI 426S	Core II Practicum - Science	1

or CI 426M	Core II Practicum - Mathematics	
CI 427	Philosophy, History and Ethics of Education	3
<i>Core III - Fall Only</i>		
CI 412S	Teaching Internship I: Middle Level Sciences	2
CI 412M	Teaching Internship I: Middle Level Mathematics	2
CI 417	ISAM: Literacy Strategies in the Content Areas	2
CI 435S	ISAM: Middle/Secondary Level Content-Specific Methods II - Sciences	3
CI 435M	ISAM: Middle/Secondary Level Content-Specific Methods II - Mathematics	3
<i>Core IV - Spring Only</i>		
CI 436S	ISAM: Middle/Secondary Level Content-Specific Methods III - Sciences	2
CI 436M	ISAM: Middle/Secondary Level Content-Specific Methods III - Mathematics	2
CI 461S	Teaching Internship II: Middle Level Sciences	5
CI 461M	Teaching Internship II: Middle Level Mathematics	5

<b>Licensure Exams</b>		
PLT		
Praxis II Science and Math Content Knowledge Test		
Total Credit Hours		44

Course	Title	Hours
<b>Additional College Requirements - counted as General Education</b>		
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	Anthropological Linguistics	
PSY 111	General Psychology	3
Total Credit Hours		9

<sup>1</sup> 2.000 or better required as prerequisite for MATH 502

<sup>2</sup> B- or better

<sup>3</sup> If preferred, this class can be taken with Core III

### 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 Studies - Policies (<http://catalog.wichita.edu/undergraduate/applied-studies/#policiestext>).
- Admission to teacher internship:
  - Satisfactory accomplishment of content-area, standard-driven assessments,
  - B- or better in all professional teacher education courses,
  - 2.500 GPA (overall, WSU and content), and
  - Completed teacher intern application.
- Exit from teacher internship:
  - B- or better in all professional courses,
  - 2.500 GPA (overall and WSU),

- c. Successful completion of all degree requirements,
  - 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 Kansas Performance Teaching Portfolio,
  - c. PLT passed,
  - d. Praxis II content test(s) passed, and
  - e. Licensure application.

Candidates completing this program are eligible to be certified to teach math and science — grades 5–8.

### **Applied Learning**

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

Students who graduate from an undergraduate program must experience at least 600 hours of field experience/internship in various classroom settings throughout their specific program. In addition, all initial licensure students must complete the Kansas Performance Teaching Portfolio, which is an action research requirement for licensure.