

SECONDARY EDUCATION: MATHEMATICS, BS

for the degree of Bachelor of Science in Secondary Education, Mathematics Concentration

The **Secondary Education, BS** prepares teachers for grades nine through 12. A minimum of 120 semester hours is necessary for graduation.

Students pursuing teacher licensure programs in the College of Education must meet requirements in a series of sequential gateways. Included in the gateway requirements are successful completion of specified coursework, achievement of appropriate grade point averages, requirements for clinical experiences, and appropriate tests for the licensure area. Meeting all Gateway requirements leads to degree and licensure completion.

In order to be recommended for licensure, candidates are required to maintain a cumulative grade point average of 2.5 (A=4.0). Grades in courses of C- or lower may not be used for State of Illinois licensure, endorsements, or approvals. For teacher education licensure requirements applicable to all curricula, see the Council on Teacher Education. Licensure requirements are subject to change without notice as a result of new mandates from the Illinois State Board of Education or the Illinois General Assembly.

Students in the Secondary Education licensure program must complete the Campus General Education Requirements, the courses for the Mathematics concentration, and the professional education coursework.

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Code	Title	Hours
EDUC 101	Education Orientation Seminar	1
Code	Title	Hours
Composition I		4-7
Select one of the following groups:		4
RHET 101 & RHET 102	Principles of Writing and Principles of Research	
CMN 111 & CMN 112	Oral & Written Comm I and Oral & Written Comm II	
ESL 111 & ESL 112	Intro to Academic Writing I and Intro to Academic Writing II	
ESL 115	Principles of Academic Writing	
Advanced Composition		3-4
Natural Sciences and Technology		6-8
Life science		
Physical science		
Cultural Studies		6-12
Western/Comparative		
Non-Western		
US Minority		

Social/Behavioral Sciences		6-8
Quantitative Reasoning		6-8
Quantitative Reasoning I		
Quantitative Reasoning II (QRI or QRII)		
Humanities/Arts		6
Language Other Than English		0-12
Three years of one language other than English in high school or completion of the third semester of college level language.		
Electives		
Elective Courses (if needed to complete the 120 hour graduation requirement)		
Six hours of ROTC upper level courses (300 level or above) can count toward the degree as free electives.		
Professional Education		39
CI 401	Introductory Teaching in a Diverse Society	3
CI 403	Teaching a Diverse High School Student Population	3
CI 404	Teaching and Assessing Secondary School Students	3
CI 473	Disciplinary Literacy	3
EDPR 442	Educational Practice in Secondary Education	2 to 12
EDUC 201	Identity and Difference in Education	3
EDUC 202	Social Justice, School and Society	3
EPSY 201	Educational Psychology	3
EPSY 485	Assessing Student Performance	3
SPED 405	General Educator's Role in Special Education	3
Total minimum Hours for degree		120
Code	Title	Hours
CI 436	Technology and Mathematics Education	3 or 4
CI 491	History of Mathematics (History of Mathematics)	3 or 4
MATH 213	Basic Discrete Mathematics	3
These Calculus courses taken in sequence:		
MATH 220	Calculus	
or MATH 221	Calculus I	
MATH 231	Calculus II	
MATH 241	Calculus III ⁵	
MATH 225/ MATH 415 OR MATH	Introductory Matrix Theory	2
MATH 347	Fundamental Mathematics	3
or MATH 348		
MATH 241 and 347 must be completed before taking advanced level math courses.		
MATH 402	Non Euclidean Geometry	3 or 4
or MATH 403	Euclidean Geometry	
MATH 405	Teacher's Course ⁶	3 or 4
MATH 453	Number Theory	3 or 4
STAT 200	Statistical Analysis	3
or STAT 400	Statistics and Probability I	
Total Hours		37-45

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Sample Sequence

This sample sequence is intended to be used only as a guide for degree completion. All students should work individually with their academic advisors to decide the actual course selection and sequence that works best for them based on their academic preparation and goals. Enrichment programming such as study abroad, minors, internships, and so on may impact the structure of this four-year plan. Course availability is not guaranteed during the semester indicated in the sample sequence.

Students must fulfill their Language Other Than English requirement by successfully completing a third level of a language other than English. For more information see the corresponding section on the Degree and General Education Requirements page (<http://catalog.illinois.edu/general-information/degree-general-education-requirements/>).

First Year	
First Semester	Hours
EDUC 101	1
EDUC 201	3
Language Other Than English (3rd level)	4
Composition I or General Education course	4
MATH 220 or 221	4
	16
Total Hours 16	

First Year	
Second Semester	Hours
Composition I or General Education course	3
General Education course	3
General Education course	3
MATH 213	3
MATH 231	3
	15
Total Hours 15	

Second Year	
First Semester	Hours
CI 491	3
MATH 225, 415, or 416	2
MATH 241	4
General Education course	3
General Education course	3
	15
Total Hours 15	

Second Year	
Second Semester	Hours
EDUC 202	3
MATH 347	3
STAT 200 or 400	3
General Education course	3
Elective course	3
	15
Total Hours 15	

Third Year	
First Semester	Hours
CI 436	3
EPSY 201	3
MATH 402 or 403	3
MATH 405	3
Elective course	3
	15
Total Hours 15	

Third Year	
Second Semester	Hours
CI 401	3
CI 473	3
MATH 453	3
Elective course	3
Elective course	3
	15
Total Hours 15	

Fourth Year	
First Semester	Hours
CI 403	3
EPSY 485	3
SPED 405	3
Elective course	3
Elective course	2
	14
Total Hours 14	

Fourth Year	
Second Semester	Hours
CI 404	3
EDPR 442	12
	15
Total Hours 15	
Total Hours: 120	

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College of Education

Education Building, 1310 S. Sixth Street, Champaign, IL 61820
College of Education website (<https://education.illinois.edu/>)

Department of Curriculum & Instruction

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(217) 244-8286
Department of Curriculum & Instruction website (<https://education.illinois.edu/ci/>)
Department of Curriculum & Instruction faculty (<https://education.illinois.edu/faculty-finder/?dept=Curriculum%20Instruction>)

Office of Undergraduate Programs

110 Education Building
Education Academic Affairs email: saao@education.illinois.edu
(217) 333-2800
Admissions & Academics website (<https://education.illinois.edu/programs/undergrad/>)
Student Academic Affairs website (<https://education.illinois.edu/student-resources/undergraduate/undergraduate-advising-support/>)