US Minority

SECONDARY EDUCATION: MATHEMATICS, BS

for the degree of Bachelor of Science Major 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 (COE) 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.

Students are admitted to Secondary Education as freshmen. 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.

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

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

Social/Behavioral Sciences			
Quantitative Reasoning			
Quantitative Reasoning I			
Quantitative Reas	oning II (QRI or QRII)		
Humanities/Arts		6	
Language Other Than	n English	0-12	
•	e language other than English in high school he third semester of college level language.		
Electives			
Elective Courses (graduation require	if needed to complete the 120 hour ement)		
	upper level courses (300 level or above) can degree as free electives.		
Professional Educati	on	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	2 or 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 or 4	
SPED 405	General Educator's Role in Special Education	3	
Total minimum Hours	s for degree	120	
Code	Title	Hausa	
Cl 436		Hours 3 or 4	
CI 436	Technology and Mathematics Education		
	History of Mathematics (History of Mathematics)	3 or 4	
MATH 213	Basic Discrete Mathematics	3	
	ses 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		2	
MATH 347 or MATH 348	Fundamental Mathematics	3	
MATH 241 and 347 n level math courses.	nust be completed before taking advanced		
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

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

Sample Sequence

Eirct Voor

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	Second Semester Hours	
EDUC 101	1	Composition I or General Education course	4
EDUC 201	3	General Education course (PSYC 100 recommended)	4
Language Other Than English (3rd level)	4	MATH 213	3
Composition I or General Education course	4	MATH 231	3
MATH 220 or 221	4	•	
Second Year	16		14
First Semester	Hours	Second Semester Hours	
CI 491	3	EDUC 202	3
	3		3
CI 491 MATH 225, 415,	3	EDUC 202	
CI 491 MATH 225, 415, or 416	3 2	EDUC 202 MATH 347	3
CI 491 MATH 225, 415, or 416 MATH 241 General	3 2 4 3	EDUC 202 MATH 347 STAT 200 or 400 General	3
CI 491 MATH 225, 415, or 416 MATH 241 General Education course General	3 2 4 3	EDUC 202 MATH 347 STAT 200 or 400 General Education course General Education course	3 3
CI 491 MATH 225, 415, or 416 MATH 241 General Education course General	3 2 4 3	EDUC 202 MATH 347 STAT 200 or 400 General Education course General Education course	3 3 3
CI 491 MATH 225, 415, or 416 MATH 241 General Education course General Education course	3 2 4 3	EDUC 202 MATH 347 STAT 200 or 400 General Education course General Education course	3 3 3
CI 491 MATH 225, 415, or 416 MATH 241 General Education course General Education course Third Year	3 2 4 3 3 3 T 15	EDUC 202 MATH 347 STAT 200 or 400 General Education course General Education course	3 3 3
CI 491 MATH 225, 415, or 416 MATH 241 General Education course General Education course Third Year First Semester	3 2 4 3 3 15 Hours 3	EDUC 202 MATH 347 STAT 200 or 400 General Education course General Education course Second Semester Hours	3 3 3 15
CI 491 MATH 225, 415, or 416 MATH 241 General Education course General Education course Third Year First Semester CI 436	3 2 4 3 3 3 15 Hours 3 3	EDUC 202 MATH 347 STAT 200 or 400 General Education course General Education course Second Semester Hours CI 401	3 3 3 15
CI 491 MATH 225, 415, or 416 MATH 241 General Education course General Education course Third Year First Semester CI 436 EPSY 201	3 2 4 4 3 3 3 15 Hours 3 3 3 3	EDUC 202 MATH 347 STAT 200 or 400 General Education course General Education course Second Semester Hours CI 401 CI 473	3 3 3 15

Fourth Year				
First Semester	Hours Second Semester Hours		urs	
CI 403		3 CI 40	04	3
EPSY 485		3 EDP	R 442	12
SPED 405		3		
Elective course		3		
Elective course		3		
		15		15

Total Hours 120

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

College of Education

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

Department of Curriculum & Instruction

306 Education Building

Department of Curriculum & Instruction email (ci@education.illinois.edu) (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

15

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/)