

SECONDARY EDUCATION: MATHEMATICS, BS

for the degree of Bachelor of Science Major in Secondary Education

Not currently accepting applications Fall 2022

Curriculum Preparatory to Secondary School Teaching

This program prepares teachers for grades nine through twelve. A minimum of 120 semester hours is necessary for graduation¹.

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 University of Illinois at Urbana-Champaign, cumulative, content area, and professional grade point averages 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. Candidates should consult their adviser or the Council on Teacher Education for the list of courses used to compute these grades point averages.

For teacher education licensure requirements applicable to all curricula, see the Council on Teacher Education (www.cote.illinois.edu/). (<http://www.cote.illinois.edu/>)

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.

¹ Six hours of ROTC upper level courses (300 level or above) can count toward the degree as free electives.

for the degree of Bachelor of Science Major in Secondary Education

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	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 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 or MATH 221	Calculus Calculus I	
MATH 231	Calculus II	
MATH 241	Calculus III ⁵	
MATH 225/MATH 415 OR MATH 416	Introductory Matrix Theory	2
MATH 347 or MATH 348	Fundamental Mathematics Fundamental Mathematics-ACP	3
MATH 241 and 347 must be completed before taking advanced level math courses.		
MATH 402 or MATH 403	Non Euclidean Geometry Euclidean Geometry	3 or 4
MATH 405	Teacher's Course ⁶	3 or 4
MATH 453	Number Theory	3 or 4
STAT 200 or STAT 400	Statistical Analysis Statistics and Probability I	3
Total Hours		37-45

for the degree of Bachelor of Science Major in Secondary Education

department office: Curriculum & Instruction
311 Education Building
1310 South Sixth
Champaign, IL 61820
phone: (217) 244-8286

department website: <https://education.illinois.edu/ci> (<http://education.illinois.edu/ci/>)
department faculty: Curriculum & Instruction Faculty (<https://education.illinois.edu/faculty-finder/ci/>)
overview of college admissions & requirements: College of Education (<https://education.illinois.edu/programs/undergrad/programs-degrees/ci-ele-ug/>)
college website: <https://education.illinois.edu/> (<http://education.illinois.edu/>)