

B.A. IN MATHEMATICS WITH EDUCATION 5-12 LICENSURE

Code	Title	Credits
Major in Mathematics Education 5-12 (B.A.)		
COS 111	Introduction to Programming	4
MAT 124M	Calculus 1 ¹	4
MAT 125	Calculus 2	4
MAT 211	Linear Algebra	4
MAT 223	Multivariable Calculus	4
MAT 242	Introduction to Proofs	2
MAT 299	Careers in Mathematics and Computer Science Seminar	0
MAT 332	Probability and Statistics	4
MAT 410	Abstract Algebra	4
MAT 422	Real Analysis	4
MAT 441	Combinatorics and Graph Theory	4
MAT 451	Modern Geometry	4
MAT 499	Senior Seminar	2
EDU 200 & EDU 201	Introduction to Education and Introduction to Education Field Experience	4
EDU 203	School Health and Drugs	2
EDU 220	Introduction to Middle Level Education	3
EDU 276 & EDU 241	Educational Psychology and Educational Psychology Field Experience ³	5
EDU 317GZ	Educational Equity	4
EDU 320 & EDU 321	Pedagogy and the Young Adolescent Learner and Integrated Literacy in the Content Areas	3
EDU 411 & EDU 412	Mathematics Education Field Experience in grades 5-8 or 5-12 and Methods in Teaching 5-12 Mathematics	4
EDU 492 & EDU 495	Student Teaching Grades K-12 and 5-12 and Student Teaching Seminar: K-12 and 5-12 Education Students ²	8-14
Code	Title	Credits
Major		77-83
General Education *		40-48
Total Credits		123-125

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

² In order to meet requirements for endorsements and dual majors the number of credits is subject to change. Students should consult with their advisor.

³ EDU 272 is a corequisite of EDU 276.

* Courses whose number is followed by a letter fulfill a General Education requirement.

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Students must earn a grade of C or better in each content area and education course (MAT, COS, EDU) in the major. Courses with grades C- or lower must be repeated. Students with 5-12 licensure in Mathematics Education may choose one or more Middle Level Endorsements. See endorsement area listing under Major in Elementary Education with Middle Level Endorsement (<https://catalog.bethel.edu/arts-sciences/academic-programs-departments/education/middle-level-endorsements/>) in the (<https://catalog.bethel.edu/academic-programs/college-of-arts-sciences-and-education/undergraduate-programs/education/k-6-elementary-education-ba-with-middle-level-endorsements/>) Education section (<https://catalog.bethel.edu/arts-sciences/academic-programs-departments/education/>) of this catalog.

Students may not declare a B.A. in Mathematics with Education 5-12 Licensure and a Minor in Mathematics

Students may not declare a B.A. in Mathematics with Education 5-12 Licensure and a B.A. in Mathematics.