

MATHEMATICS (BS) - SECONDARY EDUCATION CONCENTRATION

Program Map

Course	Title	Credit Hours
First Year		
Fall		
MATH 1113	Pre-Calculus (minimum grade of C) (Apply 3 credits to Area A and 1 credit to Area I.)	4
ENGL 1101	English Composition I (minimum grade of C)	3
Area B1	COMM 1110 Public Speaking or Foreign Language	3
UTCH 1201	Step I: Inquiry Approaches to Teaching (minimum grade of C)	1
STAT 1401	Elementary Statistics (minimum grade of C)	3
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)	1
Credit Hours		15
Spring		
MATH 1131	Calculus with Analytic Geometry I (minimum grade of C) (Apply 3 credits to Area D and 1 credit to Area F.)	4
ENGL 1102	English Composition II (minimum grade of C)	3
UTCH 1202	Step II: Inquiry-Based Lesson Design (minimum grade of C)	1
MATH 2125	Introduction to Discrete Mathematics (minimum grade of C)	3
CPSC 1301K	Computer Science I (minimum grade of C) (Apply 3 credits to Area F and 1 credit to Area G.)	4
Credit Hours		15
Second Year		
Fall		
MATH 1132	Calculus with Analytic Geometry II (minimum grade of C) ¹	4
MATH 2115	Introduction to Linear Algebra (minimum grade of C)	3
MATH 3155	Introduction to Mathematical Proofs (minimum grade of C)	3
UTCH 2105	Knowing and Learning in Mathematics and Science (minimum grade of C)	3
AREA E	World Cultures	3
Credit Hours		16
Spring		
MATH 3106	Mathematical Theory of Interest (minimum grade of C)	3

MATH 3175	Introduction to Probability (minimum grade of C)	3
MATH 5111U	Introduction to Abstract Algebra I (minimum grade of C)	3
UTCH 3115	Functions and Modeling for Secondary Mathematics Teachers (minimum grade of C)	3
MATH 2135	Calculus with Analytic Geometry 3 (minimum grade of C)	4
Credit Hours		16

Third Year		
Fall		
MATH 5175U	Mathematical Statistics (minimum grade of C)	3
MATH 5135U	College Geometry (minimum grade of C)	3
AREA D	Lab Science	4
AREA C	Humanities (recommend ITDS 2125 Historical Perspectives on the Philosophy of Science and Mathematics)	3
UTCH 2203	Step III: Technological and Pedagogical Content Knowledge (minimum grade of C)	3
Credit Hours		16

Spring		
AREA H	Program Elective	3
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AREA E	Behavioral Science	3
UTCH 3205	Classroom Interactions (minimum grade of C)	3
AREA D	Lab Science	4
Credit Hours		16

Fourth Year		
Fall		
AREA C	Fine Arts	3
POLS 1101	American Government	3
AREA I	General Elective	2
UTCH 4205	Inquiry-Based Instruction (minimum grade of C)	3
KINS 1106 or PHED 1205	Lifetime Wellness or Concepts of Fitness	2
PEDS		1
HIST 2111 or HIST 2112	U. S. History to 1865 or U. S. History since 1865	3
Credit Hours		17

Spring		
UTCH 4485	Student Teaching (minimum grade of C)	9
UTCH 4795	Student Teaching Seminar (minimum grade of C)	1
SPED 4115	Teaching Math and Science to Exceptional Learners (minimum grade of C; see note below)	2

There is a recent rule change for certification from the GaPSC. As of July 1, 2019, students must make a B or higher in the Exceptional Children's course. The course could be any of the following depending on your major: SPED 2256, EDCI 6228, KINS 4245, SPED 4115, PHED 6219
 This rule change will not affect your graduation but you cannot become a certified educator with the state of Georgia until you receive the grade of B or higher in this course.

Credit Hours	12
Total Credit Hours	123

- ¹ If MATH 1132 Calculus with Analytic Geometry II is used in Area D, the one extra hour will count in Area F.
- ² If ITDS 2125 Historical Perspectives on the Philosophy of Science and Mathematics is applied to Area G, then choose another course for Area C and take that it in another semester.