

MATHEMATICS (BS) - SECONDARY EDUCATION CONCENTRATION

Program Map

Course	Title	Credit Hours
First Year		
Fall		
MATH 1113	Pre-Calculus (minimum grade of C)	4
(Apply 3 credits to Area A and 1 credit to Area G.)		
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
AREA C	Fine Arts	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)	4
(Apply 3 credits to Area D and 1 credit to Area F.)		
ENGL 1102	English Composition II (minimum grade of C)	3
UTCH 1202	Step II: Inquiry-Based Lesson Design (minimum grade of C)	1
AREA D	Lab Science	4
CPSC 1301K	Computer Science I (minimum grade of C)	4
(Apply 3 credits to Area F and 1 credit to Area G.)		
Credit Hours		16
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 3154	Introduction to Mathematical Proofs I (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		
STAT 1401	Elementary Statistics (minimum grade of C)	3
MATH 3175	Introduction to Probability (minimum grade of C)	3

MATH 3155	Introduction to Mathematical Proofs II (minimum grade of C)	3
UTCH 3115	Functions and Modeling for Secondary Mathematics Teachers (minimum grade of C)	3
POLS 1101	American Government	3
Credit Hours		15

Third Year

Fall

MATH 2135	Calculus with Analytic Geometry 3 (minimum grade of C)	4
MATH 5135U	College Geometry (minimum grade of C)	3
AREA H	Math Elective	2-3
AREA E	Behavioral Science	3
ITDS 2125	Historical Perspectives on the Philosophy of Science and Mathematics ²	3
Credit Hours		15-16

Spring

MATH 5185U	History of Mathematics (minimum grade of C)	3
MATH 5111U	Introduction to Abstract Algebra I (minimum grade of C)	3
UTCH 2215	Research Methods (minimum grade of C)	3
UTCH 3205	Classroom Interactions (minimum grade of C)	3
AREA D	Lab Science	4
Credit Hours		16

Fourth Year

Fall

MATH 4795	Senior Seminar in Mathematics (minimum grade of C)	3
MATH 5151U	Introduction to Real Analysis I (minimum grade of C)	3
MATH 5175U	Mathematical Statistics (minimum grade of C)	3
UTCH 4205	Project-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		18

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	123-124

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.

Additional Notes

This program map illustrates appropriate coursework for completing a degree within four years, provided that course grades allow for earned credit. Please consult with your advisor to determine when courses can be switched out with others and taken in a different semester or sequence than illustrated since not all courses are taught every semester.

- This map is for illustrative purposes only and does not constitute a legal contract on the part of CSU since degree requirements or course offerings could change. As always, check with your advisor.
- Students must complete "Area A" (ENGL 1101 English Composition I, ENGL 1102 English Composition II, and MATH 1001 Quantitative Skills and Reasoning or higher) prior to reaching 30 hours and earn a "C" or higher in ENGL 1101 and 1102.
- As of Fall 2013, all undergraduate students are required each semester to meet the 2.0 institutional GPA standard for satisfactory academic progress.