

BIOLOGY (BS) - SECONDARY EDUCATION TRACK

Program Map

Suggested four year course schedule with MATH 0999 or lower

Course	Title	Credit Hours
First Year		
Fall		
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)	1
AREA C	Fine Arts	3
AREA E	World Culture	3
BIOL 1715	Professionalism and Careers in Biology (recommended Area F General Elective)	1
ENGL 1101	English Composition I (minimum grade of C)	3
MATH 1111	College Algebra (minimum grade of C) ¹	3
MATH 0999B or MATH 0999C	Support for College Algebra B ² or Support for College Algebra C	
Credit Hours		14
Spring		
BIOL 1231K	minimum grade of C	4
CHEM 1211 & 1211L	Principles of Chemistry I and Principles of Chemistry I Lab (minimum grade of C)	4
ENGL 1102	English Composition II (minimum grade of C)	3
MATH 1113	Pre-Calculus (minimum grade of C) ³	4
Credit Hours		15
Second Year		
Fall		
BIOL 1232K	minimum grade of C	4
CHEM 1212 & 1212L	Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C)	4
Area B1	COMM 1110 Public Speaking or foreign language 1001, 1002, 2001, 2002	3
Area C	Humanities. Recommended course:	3
ITDS 2125	Historical Perspectives on the Philosophy of Science and Mathematics ⁴	
KINS 1106 or PHED 1205	Lifetime Wellness or Concepts of Fitness	2
UTCH 1201	Step I: Inquiry Approaches to Teaching (minimum grade of C)	1
Credit Hours		17
Spring		
BIOL 2206K	Organismic Biology I (minimum grade of C)	4
BIOL 2207K	Organismic Biology II (minimum grade of C)	4
AREA I	Elective	3

STAT 1401	Elementary Statistics (minimum grade of C)	3
UTCH 1202	Step II: Inquiry-Based Lesson Design (minimum grade of C)	1
PEDS Activity		1
Credit Hours		16
Third Year		
Fall		
BIOL 3215K	Cell Biology (minimum grade of C)	4
BIOL 3216K	Genetics (minimum grade of C)	4
Area I	Elective	2
UTCH 2105	Knowing and Learning in Mathematics and Science (minimum grade of C)	3
UTCH 3215	Research Methods (minimum grade of C)	3
Credit Hours		16
Spring		
AREA E	Behavioral Science	3
BIOL 3217K	Ecology (minimum grade of C)	4
AREA H	BIOL Cell/Molecular Senior Elective (minimum grade of C)	4
Area H	Organismal Elective (minimum grade of C)	4
UTCH 3205	Classroom Interactions (minimum grade of C)	3
Credit Hours		18
Fourth Year		
Fall		
BIOL 4795	Capstone Senior Seminar (minimum grade of C)	2
AREA H	BIOL Ecology/Evolution Senior Elective (minimum grade of C)	4
HIST 2111 or HIST 2112	U. S. History to 1865 or U. S. History since 1865	3
POLS 1101	American Government	3
UTCH 4205	Inquiry-Based Instruction (minimum grade of C)	3
Credit Hours		15
Spring		
SPED 4115	Teaching Math and Science to Exceptional Learners (minimum grade of B; see note below)	2
<p>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.</p>		
UTCH 4485	Student Teaching	9
UTCH 4795	Student Teaching Seminar (minimum grade of C)	1
Credit Hours		12
Total Credit Hours		123

- ¹ MATH 1111 College Algebra has 3 credits and counts in Area G.
- ² MATH 0999B (2 credits) or MATH 0999C (1 credits), if required with MATH 1111, do not count toward the degree. These are College Algebra support classes that improve your chances of passing MATH 1111 College Algebra.
- ³ MATH 1113 Pre-Calculus has 4 credits. Count 3 credits in Area A and 1 credit in Area F.
- ⁴ ITDS 2125 Historical Perspectives on the Philosophy of Science and Mathematics is recommended in Area C Humanities.

Suggested four year course schedule with MATH 1111 College Algebra

Course	Title	Credit Hours
First Year		
Fall		
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)	1
AREA C	Fine Arts	3
BIOL 1231K	minimum grade of C	4
BIOL 1715	Professionalism and Careers in Biology (recommended Area F General Elective)	1
ENGL 1101	English Composition I (minimum grade of C)	3
MATH 1111	College Algebra (minimum grade of C) ¹	3
Credit Hours		15
Spring		
BIOL 1232K	minimum grade of C	4
CHEM 1211 & 1211L	Principles of Chemistry I and Principles of Chemistry I Lab (minimum grade of C)	4
ENGL 1102	English Composition II (minimum grade of C)	3
MATH 1113	Pre-Calculus (minimum grade of C) ²	4
Credit Hours		15
Second Year		
Fall		
BIOL 2206K	Organismic Biology I (minimum grade of C)	4
CHEM 1212 & 1212L	Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C)	4
Area E	Behavioral Science	3
Area C	Humanities. Recommended course: ITDS 2125 Historical Perspectives on the Philosophy of Science and Mathematics (minimum grade of C) ³	3
KINS 1106 or PHED 1205	Lifetime Wellness or Concepts of Fitness	2
UTCH 1201	Step I: Inquiry Approaches to Teaching (minimum grade of C)	1
Credit Hours		17
Spring		
BIOL 2207K	Organismic Biology II (minimum grade of C)	4

BIOL 3216K	Genetics (minimum grade of C)	4
Area I	Elective	3
PEDS Activity		1
STAT 1401	Elementary Statistics (minimum grade of C)	3
UTCH 1202	Step II: Inquiry-Based Lesson Design (minimum grade of C)	1
Credit Hours		16

Third Year

Fall

BIOL 3215K	Cell Biology (minimum grade of C)	4
Area B1	COMM 1110 Public Speaking or foreign language 1001, 1002, 2001, 2002	3
Area I	Elective	2
UTCH 2105	Knowing and Learning in Mathematics and Science (minimum grade of C)	3
UTCH 3215	Research Methods (minimum grade of C)	3
Credit Hours		15

Spring

AREA E	World Culture	3
Area H	Organismal Elective (minimum grade of C)	4
AREA H	BIOL Cell/Molecular Senior Elective (minimum grade of C)	4
BIOL 3217K	Ecology (minimum grade of C)	4
UTCH 3205	Classroom Interactions (minimum grade of C)	3
Credit Hours		18

Fourth Year

Fall

BIOL 4795	Capstone Senior Seminar (minimum grade of C)	2
AREA H	BIOL Ecology/Evolution Senior Elective (minimum grade of C)	4
HIST 2111 or HIST 2112	U. S. History to 1865 or U. S. History since 1865	3
POLS 1101	American Government	3
UTCH 4205	Inquiry-Based Instruction (minimum grade of C)	3
Credit Hours		15

Spring

SPED 4115	Teaching Math and Science to Exceptional Learners (minimum grade of B; see note below)	2
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UTCH 4485	Student Teaching	9
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UTCH 4795	Student Teaching Seminar (minimum grade of C)	1
Credit Hours		12
Total Credit Hours		123

- ¹ MATH 1111 College Algebra has 3 credits and counts in Area G.
- ² MATH 1113 Pre-Calculus has 4 credits. Count 3 credits in Area A and 1 credit in Area F.
- ³ ITDS 2125 Historical Perspectives on the Philosophy of Science and Mathematics is recommended in Area C Humanities.

Suggested four year course schedule with MATH 1113 Pre-Calculus or higher

Course	Title	Credit Hours
First Year		
Fall		
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)	1
AREA C	Fine Arts	3
BIOL 1231K	minimum grade of C	4
BIOL 1715	Professionalism and Careers in Biology (recommended Area F General Elective)	1
CHEM 1211 & 1211L	Principles of Chemistry I and Principles of Chemistry I Lab (minimum grade of C)	4
ENGL 1101	English Composition I (minimum grade of C)	3
Credit Hours		16
Spring		
BIOL 1232K	minimum grade of C	4
CHEM 1212 & 1212L	Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C)	4
ENGL 1102	English Composition II (minimum grade of C)	3
MATH 1113	Pre-Calculus (minimum grade of C) ¹	4
Credit Hours		15
Second Year		
Fall		
BIOL 2206K	Organismic Biology I (minimum grade of C)	4
AREA I	Elective	3
AREA C	Humanities. Recommended course:	3
ITDS 2125	Historical Perspectives on the Philosophy of Science and Mathematics (minimum grade of C) ²	
KINS 1106 or PHED 1206	Lifetime Wellness or Concepts of Fitness for Online Students	2
STAT 1401	Elementary Statistics (minimum grade of C)	3
UTCH 1201	Step I: Inquiry Approaches to Teaching (minimum grade of C)	1
Credit Hours		16

Spring		
BIOL 2207K	Organismic Biology II (minimum grade of C)	4
BIOL 3216K	Genetics (minimum grade of C)	4
Area B1	COMM 1110 Public Speaking or foreign language 1001, 1002, 2001, 2002	3
Area E	Behavioral Science	3
PEDS Activity		1
UTCH 1202	Step II: Inquiry-Based Lesson Design (minimum grade of C)	1
Credit Hours		16

Third Year		
Fall		
AREA I	Elective	2
BIOL 3215K	Cell Biology (minimum grade of C)	4
AREA G	Elective (minimum grade of C)	3
UTCH 2105	Knowing and Learning in Mathematics and Science (minimum grade of C)	3
UTCH 3215	Research Methods (minimum grade of C)	3
Credit Hours		15

Spring		
Area H	Organismal Elective (minimum grade of C)	4
AREA E	World Culture	3
BIOL 3217K	Ecology (minimum grade of C)	4
AREA H	BIOL Cell/Molecular Senior Elective (minimum grade of C)	4
UTCH 3205	Classroom Interactions (minimum grade of C)	3
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UTCH 4485	Student Teaching	9
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4 Biology (BS) - Secondary Education Track

UTCH 4795	Student Teaching Seminar (minimum grade of C)	1
Credit Hours		12
Total Credit Hours		123

¹ MATH 1113 Pre-Calculus has 4 credits. Count 3 credits in Area A and 1 credit in Area F.

² ITDS 2125 Historical Perspectives on the Philosophy of Science and Mathematics is recommended in Area C Humanities.