



OGLETHORPE UNIVERSITY

B.S. Biology Program (20-21 Bulletin)

<https://bulletin.oglethorpe.edu/9-major-minor-programs-requirements/>

CORE Requirements

<u>Freshman Year</u> COR 101 (4hrs) COR 102 (4hrs)	<u>Sophomore Year</u> COR 201 (4hrs) COR 202 (4hrs)	<u>Junior Year</u> COR 301 (4hrs) COR 302 (4hrs)	<u>Senior Year</u> COR 400 (4hrs)	<u>Required Culture</u> Choose One: COR 103/COR 104/COR 105 (4hrs)	<u>Required Math</u> COR 314 (4hrs)
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Major Course Requirements

Completion of all of the following courses, each with a grade of "C-" or better:

Introductory

- BIO 110 Biological Inquiry (5hrs)
- BIO 111 Biostatistics (2hrs)
- CHM 101 General Chemistry I (and lab, CHM 101L) (5hrs)
- CHM 102 General Chemistry II (and lab, CHM 102L) (5hrs)
- PHY 101 General Physics I (and lab, PHY 101L) or PHY 201 College Physics I (and lab, PHY 101L) (5hrs)

Intermediate

- BIO 201 Genetics (5hrs)
- CHM 201 Organic Chemistry I (and lab, CHM 201L) (5hrs)
- BIO 252 Biology Seminar (1hr)

Advanced

- BIO 499 Evolution Seminar (1hr)

Electives

Completion of any three of the following "Category A" electives:

- BIO 202 Microbiology (5hrs)
- BIO 224 Cancer Biology (5hrs)
- BIO 313 Developmental Biology (5hrs)
- BIO 317 Biochemistry (5hrs)
- BIO 490 Genetic Engineering (5hrs)
- BIO 418 Cell Biology (5hrs)

Completion of any two of the following "Category B" electives:

- BIO 215 Animal Behavior (5hrs)
- BIO 301 Comparative Vertebrate Anatomy (5hrs)
- BIO 402 Human Physiology (5hrs)

Completion of any two of the following "Category C" electives:

- BIO 280 Conservation Biology in Hawaii (4hrs)
- BIO 320 Urban Ecology (5hrs)
- BIO 380 Conservation Biology (5hrs)
- BIO 423 Ecology (5hrs)

Overall Graduation Requirements

<http://bulletin.oglethorpe.edu/8-degrees-offered-graduation-requirements/8-5-graduation-requirements/8-5-4-bachelor-science/>

Things to Remember

- Many courses required for the major have pre-requisite coursework (see Reverse)
- Meet with your Academic Advisor before registering for courses
- Create a 4-year graduation plan and update every semester.
- Visit your faculty during their office hours.
- Visit the Study Abroad Office
- Visit the Career Development Office
- Visit the A_Lab
- Visit Academic Success

Academic Success	http://success.oglethorpe.edu/
A_Lab	http://alab.oglethorpe.edu/
Campus Life	http://oglethorpe.edu/life/
Career Services	http://alab.oglethorpe.edu/careerdevelopment/
HUB	http://hub.oglethorpe.edu/

The final responsibility for meeting all graduation requirements stated in the Oglethorpe Bulletin rests with the student.



OGLETHORPE
UNIVERSITY

B.S. Biology Coursework (20-21 Bulletin)

<https://bulletin.oglethorpe.edu/9-major-minor-programs-requirements/>

COURSE

Introductory

- BIO 110 Biological Inquiry
- BIO 111 Biostatistics
- CHM 101 + CHM 101L General Chemistry I plus lab
- CHM 102 + CHM 102L General Chemistry II plus lab
- PHY 101 General Physics I plus lab or
PHY 201 College Physics I plus lab

CO-/PRE-REQUISITE(S)*

Mathematics proficiency[#]; co-enrollment in BIO 111
Mathematics proficiency[#]; co-enrollment in BIO 110
Mathematics proficiency[#]
Mathematics proficiency[#]
Completion or placement out of MAT 130 (PHY 101)
plus co-enrollment in MAT 131 (PHY 201)

Intermediate

- BIO 201 Genetics
- CHM 201 Organic Chemistry I plus lab
- BIO 252 Biology Seminar

Completion of or co-enrollment in CHM 201 and CHM 201L
CHM 101 and CHM 102 plus labs
BIO 110 and BIO 111 and sophomore or higher standing

Advanced

- BIO 499 Evolution Seminar

Senior standing

Electives

- BIO 202 Microbiology
- BIO 215 Animal Behavior
- BIO 320 Urban Ecology
- BIO 224 Cancer Biology
- BIO 380 Conservation Biology
- BIO 313 Developmental Biology
- BIO 317 Biochemistry
- BIO 490 AST: Genetic Engineering
- BIO 301 Comparative Vertebrate Anatomy
- BIO 402 Human Physiology
- BIO 280 Conservation Biology in Hawaii

- BIO 418 Cell Biology

- BIO 423 Ecology

BIO 110, BIO 111, and CHM 101
BIO 110 and BIO 111
BIO 110 and BIO 111 and at least sophomore standing
BIO 201
BIO 201
BIO 201 and CHM 201 with lab
BIO 201 and CHM 201 with lab
BIO 201 and CHM 201 with lab
BIO 201 and CHM 201 with lab
BIO 201 and CHM 201 with lab
BIO 201 and CHM 201 with lab
Declared Biology major, with junior or senior standing, and
permission of the instructor
BIO 201, CHM 201 with lab, and one additional biology course
with lab at the 200-level or higher
BIO 111 and BIO 201, junior or senior standing (or permission
of the Instructor).

*Pre-requisites must be completed with a grade of "C-" of better

[#]Mathematics proficiency pre-requisite can be satisfied by either of the following:

- ⇒ Satisfactory completion of the Mathematics Placement Exam
- ⇒ Completion of MAT 120 with a grade of "C-" or better

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See the Oglethorpe Bulletin for a complete list of graduation requirements:
<http://bulletin.oglethorpe.edu/>



OGLETHORPE

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B.S. Biology: Four Year Plan with Math Pre-Req (20-21 Bulletin)

<https://bulletin.oglethorpe.edu/9-major-minor-programs-requirements/>

CORE Requirements

<u>Freshman Year</u> COR 101 (4hrs) COR 102 (4hrs)	<u>Sophomore Year</u> COR 201 (4hrs) COR 202 (4hrs)	<u>Junior Year</u> COR 301 (4hrs) COR 302 (4hrs)	<u>Senior Year</u> COR 400 (4hrs)	<u>Required Culture</u> Choose One: COR 103/COR 104/COR 105 (4hrs)	<u>Required Math</u> COR 314 or COR 203 (4hrs)
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Suggested Four Year Plan

Fall Semester

Spring Semester

Freshman Year

<u>Course</u>	<u>Semester Hours</u>	<u>Course</u>	<u>Semester Hours</u>
COR 101 Narratives of the Self I	4	COR 102 Narratives of the Self II	4
MAT 120 Intro to Functions	4	MAT 130 Advanced Functions	4
CORE 103/4/5 or course for Minor/Grad School Pre-req	4	BIO 110 Biological Inquiry	5
CORE 103/4/5 or course for Minor/Grad School Pre-req	<u>4</u>	BIO 111 Biostatistics	<u>2</u>
	16		15

Sophomore Year

COR 201 Human Nature and the Social Order I	4	COR 202 Human Nature and the Social Order II	4
CHM 101 General Chemistry I	4	CHM 102 General Chemistry II	4
CHM 101L General Chemistry Laboratory I	1	CHM 102L General Chemistry Laboratory II	1
CORE 103/4/5 or course for Minor/Grad School Pre-req	4	BIO 252 BioSeminar	2
Elective for Minor/Grad School Pre-req	<u>4</u>	Biology Elective — BIO 202 (if offered)	<u>5</u>
(or Biology Elective BIO 215 or 320 if offered)	17		18

Junior Year

COR 301 Historical Perspectives	4	COR 302 Historical Perspectives	4
BIO 201 Genetics	5	Biology Elective — Category A	5
CHM 201 Organic Chemistry I	4	Biology Elective — Category C	5
CHM 201L Organic Chemistry Laboratory I	<u>1</u>	COR 314 or course for Minor/Grad School Pre-req	<u>4</u>
	14		18

Senior Year

Biology Elective — Category B	5	Biology Elective — Category B	5
Biology Elective — Category C	5	Biology Elective — Category A	5
PHY 101 General Physics I	4	CORE 400 Science and Human Nature	4
PHY 101L Introductory Physics Laboratory I	1	COR 314 or course for Minor/Grad School Pre-req	<u>4</u>
BIO 499 Evolution Seminar	<u>1</u>		18
	16		

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OGLETHORPE

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B.S. Biology: Four Year Plan with Math Proficiency (20-21 Bulletin)

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CORE Requirements

<u>Freshman Year</u> COR 101 (4hrs) COR 102 (4hrs)	<u>Sophomore Year</u> COR 201 (4hrs) COR 202 (4hrs)	<u>Junior Year</u> COR 301 (4hrs) COR 302 (4hrs)	<u>Senior Year</u> COR 400 (4hrs)	<u>Required Culture</u> Choose One: COR 103/COR 104/COR 105 (4hrs)	<u>Required Math</u> COR 314 or COR 203 (4hrs)
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Suggested Four Year Plan

Fall Semester

Spring Semester

Freshman Year

<u>Course</u>	<u>Semester Hours</u>	<u>Course</u>	<u>Semester Hours</u>
COR 101 Narratives of the Self I	4	COR 102 Narratives of the Self II	4
BIO 110 Biological Inquiry	5	CHM 102 General Chemistry II	4
BIO 111 Biostatistics	2	CHM 102L General Chemistry Laboratory II	1
CHM 101 General Chemistry I	4	Biology Elective — BIO 202 (<i>if offered</i>)	5
CHM 101L General Chemistry Laboratory I	<u>1</u>	MAT 130 Advanced Functions or COR 103/4/5	
	16	or course for Minor/Grad School Pre-req	<u>4</u>
			18

Sophomore Year

COR 201 Human Nature and the Social Order I	4	COR202 Human Nature and the Social Order II	4
BIO 201 Genetics	5	BIO 252 BioSeminar	1
CHM 201 Organic Chemistry I	4	Biology Elective — Category A	5
CHM 201L Organic Chemistry Laboratory I	1	Biology Elective — Category C	5
COR 103/4/5 or course for Minor/Grad School Pre-req	<u>4</u>	COR 103/4/5 or course for Minor/Grad School Pre-req	<u>4</u>
	18		19

Junior Year

COR 301 Historical Perspectives	4	COR 302 Historical Perspectives	4
Biology Elective — Category B	5	Biology Elective — Category C	5
PHY 101 General Physics I	4	Biology Elective — Category A	5
PHY 101L Introductory Physics Laboratory I	1	Elective for Minor/Grad School Pre-req	<u>4</u>
Elective for Minor/Grad School Pre-req	<u>4</u>		18
	18		

Senior Year

COR 400 Science and Human Nature	4	Biology Elective – Category B	5
Biology Elective — Category A	5	COR 314 or for Minor/Grad School Pre-req	5
Elective for Minor/Grad School Pre-req	4	Elective for Minor/Grad School Pre-req	4
COR 314 or for Minor/Grad School Pre-req	4	Elective for Minor/Grad School Pre-req	<u>4</u>
BIO 499 Evolution Seminar	<u>1</u>		18
	18		

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