

Welcome Transfer Students!

UNC Academic Advising
Summer 2022



Twitter: @UNCAdvising
Instagram: @uncadvising



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

People you want to know

Dr. Gidi Shemer

Biology Faculty Advisor

bishemer@email.unc.edu

213A Coker Hall



People you want to know

Ms. Summer Montgomery

Student Service Manager

sundance@email.unc.edu

213 Coker Hall



Dr. Gustavo Maroni

Transfer credits

gmaroni@bio.unc.edu



When you contact us about registration/advising, please add your PID number

Important things to remember

What to do when you cannot find a seat in a class?

Do NOT take more than 2 science/math in your 1st semester

(you can add a lab and/or a 1 credit course)

e.g. BIOL 252/L ; CHEM 261 ; BIOL 105 L

You will be the first roster to start a new bio curriculum

~~BIOL 201, 202, 205~~

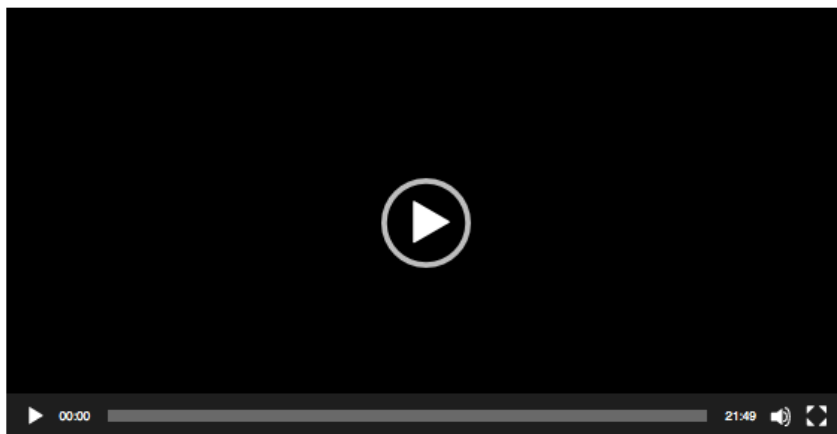
<https://bio.unc.edu/undergraduate/degrees/>

[Home](#) / [Undergraduate Program](#) / Undergraduate Degree Requirements

Undergraduate Degree Requirements

The Department of Biology offers the following degree options as a major or 2nd major: Bachelor of Arts (BA), Bachelor of Science (BS), and a Quantitative Track Bachelor of Science. We also offer a minor in biology

Introduction to the Fall 22 Biology Curriculum for the incoming students of fall 22 or later.



BS	BS- Fall 22	BA	BA- Fall 22
Quantitative	Quantitative- Fall 22	Biology Minor	Biology Minor- Fall 22

Quick Links

- [Course Offerings](#)
- [Advising](#)
- [UNC Course Catalog](#)
- [Honors Program in Biology](#)
- [UNC Bio Ambassadors](#)
- [Help & Resources](#)
- [Student Feedback](#)
- [Biology Department Tours](#)

Biology major degrees

BS

BS- Qbiol

BA

Gateway

1 Mandatory

101/L

Fundamentals

2 (+1) mandatory

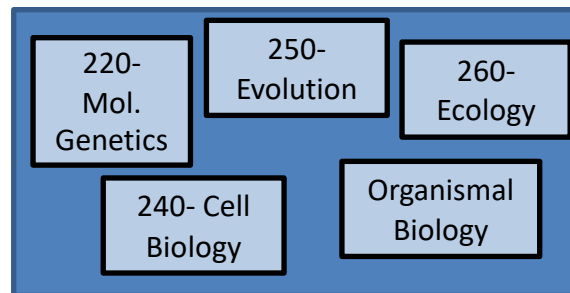
103
(How cells function)104
(Biodiversity)105L
(Bio research skills)- 1 creditIntermediate and upper-level

6 elective classes for BS

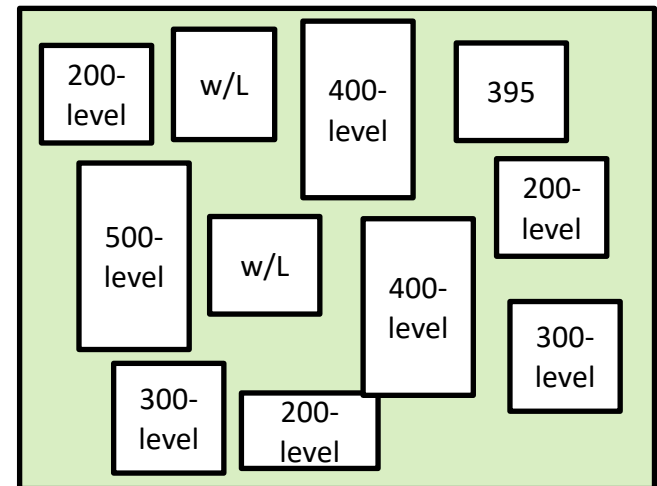
Core

Choose at least 2 classes

- Each core class will require a specific Fundamental (103 or 104).
- Core classes taken beyond the 2 can serve as bio electives.

Bio Electives

- Each bio elective will have its own prerequisite/s.



- At least 3 with labs
- At least 2 \geq 400

Gateway

1 Mandatory

101/L

Fundamentals

2 (+1) mandatory

103
(How cells function)

104
(Biodiversity)

105L
(Bio research skills)- 1 credit

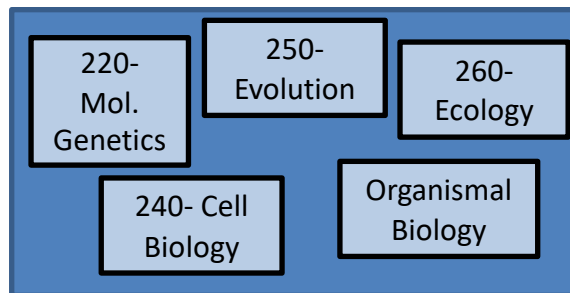
Intermediate and upper-level

5 elective classes for BA

Core

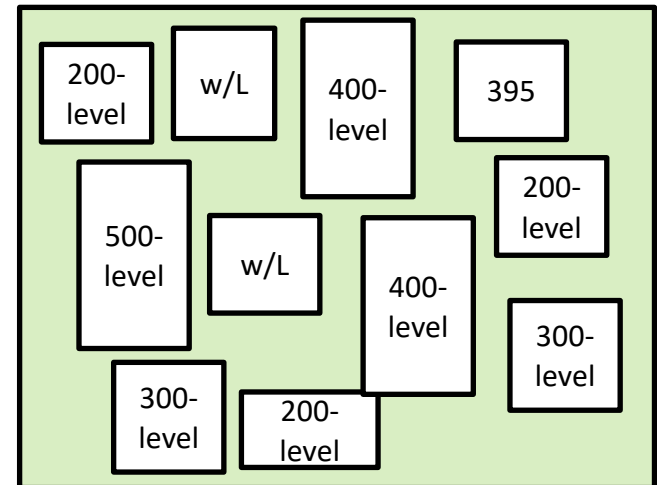
Choose at least 2 classes

- Each core class will require a specific Fundamental (103 or 104).
- Core classes taken beyond the 2 can serve as bio electives.



Bio Electives

- Each bio elective will have its own prerequisite/s.



- At least 2 with labs
- At least 1 \geq 400

Re-evaluation of transfer credit

103
(How cells function)

104
(Biodiversity)

<https://admissions.unc.edu/transfer-credit/>

Dr. Gustavo Maroni
Transfer credits
gmaroni@bio.unc.edu



When you contact us about registration/advising, please add your PID number

Bio BA and BS: non-biology STEM

BA

Choose 1 option {
MATH 130
STOR 120/151/155
COMP 110/116/BIOL 222

CHEM 101/L
CHEM 102/L

4 allied sciences

BS

MATH 231- calculus 1
PHYS 114/118

Choose 2 options {
MATH 232
PHYS 115/119
STOR 120/151/155
COMP 110/116/BIOL 222

CHEM 101/L
CHEM 102/L
CHEM 261- organic I

2 allied sciences

Allied Science Electives

Anthropology

- 143 Human Evolution and Adaptation
- 148 Human Origins
- 298 Biological Anthropology Theory and Practice
- 315 Human Genetics and Evolution
- 317 Evolutionary Perspectives on Human Adaptation and Behavior
- 318 Human Growth and Development
- 412 Paleoanthropology
- 414 Laboratory Methods: Human Osteology
- 415 Laboratory Methods: Zooarchaeology
- 416 Bioarcheology
- 470 Medicine and Anthropology
- 623 Human Disease Ecology

Biology

- Any course above BIOL 101, except BIOL 213, 291, 292, 294, 296, and 495

Biomedical Engineering

- 510 Biomaterials

Biostatistics

- Any course

Chemistry

- Any course above CHEM 101

Computer Science

- Any course above COMP 100 except COMP 380

Environ. Studies - ENEC, formerly ECOL/ENST

- 202 Intro to the Environmental Sciences
- 256 Mountain Biodiversity
- 403 Envr Chem Processes
- 406 Atmospheric Processes II
- 410 Earth Processes in Envr. Sys.
- 411 Oceanic Processes
- 415 Environmental Systems Modeling
- 471 Human Estuarine Impacts
- 489 Ecological Processes.

Exercise and Sports Science

- 175 Anatomy
- 276 Physiology

Geography

- 110 The Blue Planet: Intro to Earth Envr Sys
- 111 Weather and Climate
- 212 Environmental Conservation
- 222 Health and Medical Geography
- 253 Intro to Atmospheric Processes

Geology

- Any courses above GEOL 100

Marine Sciences

- Any course above MASC 100

Mathematics

- Any course above MATH 110, except MATH 129P

Microbiology

- 251 Introductory Medical Microbiology

Neuroscience (NSCI)

- 175 Introduction to Neuroscience
- 222 Learning
- 225 Sensation and Perception
- 401 Animal Behavior
- 403 Advanced Biopsychology Laboratory

Nutrition

- 240 Introduction to Human Nutrition

Philosophy

- 155 Introductory Symbolic Logic

Physics and Astronomy

- Any course above PHYS 99 or ASTR 99, except PHYS 132

Physiology

- 292 Introduction to Physiology

Psychology

- 101 General Psychology
- 210 Statistical Principles of Psyc. Research
- 220 Biopsychology
- 230 Cognitive Psychology

Statistics and Operations Research

- Any course above STOR 151

Speech and Hearing Sciences

- 570 Anatomy and Physiology of Speech, Language, and Hearing Mechanisms

What students need to consider when planning their course plan

- Biochemistry (BIOL/CHEM 430) requires the CHEM 262 lecture.
- Biochemistry is highly recommended for students who go later to MCDB.
- Biochemistry is a must for the MCAT
- Many Med/Dent schools require organic labs and/or biochem.

BS

CHEM 101/L
CHEM 102/L
CHEM 261- organic I

BS + additional chemistries

CHEM 101/L
CHEM 102/L
CHEM 241/L- analytical/L
CHEM 261- organic I
CHEM 262/L- organic 2/L

For your first semester

Bio BS premed

Biol 252/L, Chem 261 (organic I)
Biol 105L, Biol 117

Bio BS interested in
ecology research

Organismal biology w/L, Chem 261 (organic I)
Biol 105L

How do I search for courses?

<http://bio.unc.edu/>

THE UNIVERSITY of NORTH CAROLINA at CHAPEL HILL

[Accessibility](#) | [Events](#) | [Libraries](#) | [Maps](#) | [Departments](#) | [ConnectCarolina](#) | [UNC Search](#)

UNC DEPARTMENT OF BIOLOGY

[DONATE](#) [EVENTS](#) [CONTACT](#)

[About Us](#) ▾ | [I Am](#) ▾ | [Undergraduate Studies](#) ▾ | [Graduate Studies](#) ▾ | [People](#) ▾ | [Research](#) ▾ | [News & Events](#) ▾ | [Make a Gift](#)

[Home](#) / [Undergraduate Program](#) / [Course Offerings](#)

Course Offerings

On this page we provide a comprehensive list of the courses currently offered by the Biology department, both in the current semester and in the future. We provide this list to help you plan your overall course of study at UNC. Please note, however, that these course offerings are tentative and that the actual courses offered in any particular semester may differ slightly from this list. For a printed version of our tentative course offerings, please check here our [4-year plan](#).

View, instead, the list of courses offered in a specific semester:

[Spring 2022](#) , [Summer 2022](#) , [Fall 2022](#)

Search by Course Number or Topic:

Search

COMP 555: Bioalgorithms

3 credits | Prerequisites: COMP 401 & 410; MATH 231, 553 or BIOL 525 | QBIOL

53: First Year Seminar: Topics in Biotechnology

3 credits | First year seminar; Does not count for the major

[Sample Syllabus](#)

62: First Year Seminar: Mountains Beyond Mountains: Infectious Disease in the Developing World

3 credits | Does not count for the major

Quick Links

- [Course Offerings](#)
- [Advising](#)
- [UNC Course Catalog](#)
- [Honors Program in Biology](#)
- [UNC Bio Ambassadors](#)
- [Help & Resources](#)
- [Student Feedback](#)
- [Biology Department Tours](#)

Cell and Developmental Biology

Number	Course	Instructors	Prerequisites	Credit hours	Comments
431	Biological Physics	Falvo	Phys 118, 119	(3)	QBiol; Crosslisted with phys 405
440	Stem Cell Biology	Gordon	202	(3)	
442	Self-Assembly in Biology	Gladfelter	205	(3)	
443	Developmental Biology	McKay	205	(3)	
542	Light Microscopy	P. Maddox	205 + permission of the instructor	(3)	QBiol
543H	Cardiovascular Biology	Bautch	205	(3)	
544L	Lab in Diseases of the Cytoskeleton	Slep & Rogers	205; 430	(3)	Lab. CURE class.
649	Seminar in Cell Biology	P. Maddox	205	(2)	
680	Modern experimental approach in zebrafish to study human-relevant biology and disease	Shiau	202	(1)	

Physiology, Microbiology, and Disease

Number	Course	Instructors	Prerequisites	Credit hours	Comments
252	Human Anatomy and Physiology	Shemer; Zwemer; Zwemer	101/L	(3)	
252H	Human Anatomy and Physiology- Honors	Johnson	101/L	(3)	
252L	Human Anatomy and Physiology Lab	Johnson	101L, co-req 252	(1)	Lab
290	Environmental Microbiology	McCoy	TBA	(3)	
422	Microbiology	Matthysse	202	(3)	Counts as organismal when 422 & L are completed
422L	Microbiology Laboratory	Matthysse	Permission of the instructor	(1)	
421L	Microbiology Laboratory	Matthysse	Permission of the instructor	(2)	Lab. Counts as EE
445	Cancer Biology	Shemer	205	(3)	

Physiology, Microbiology, and Disease

Number	Course	How often
117	Pre-Health Thrive <i>(not counting towards the major)</i>	Fall
118	Pre-Health Thrive <i>(not counting towards the major)</i>	Spring
252/L	Human Anatomy and Physiology /Lab	Every semester
252H	Human Anatomy and Physiology (Honors)	
253/L	Advanced Human Anatomy and Physiology /Lab <i>(not counting towards the major)</i>	Spring
402	Infectious Disease in the Developing World	Every other Spring
422/L	Microbiology/Lab	Fall
424	Microbial Ecology	Every other Fall
424	Microbial Ecology	Every other Fall
445	Cancer Biology	Spring
449	Immunology	Spring
451/L	Comparative Physiology/Lab	Spring



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

The Biology peer mentoring/SI program

Free mentoring offered by the Biology department, based on undergraduates who excelled in **your specific section**

BioAmbassadors

Tri-Beta