Earlham College
OFFICE OF THE REGISTRAR

Declaring/Changing a Major, Minor, or Applied Minor

Section A: Policies and Instructions

Declaring a Major:

1. Students are required to file a declaration of major at the Registrar's Office no later than the end of their fourth semester.
2. A late fee of $25.00 will be charged if the petition is submitted after the deadline.
3. A declared major may be changed at any time up to the add/drop deadline of the student's final semester by submitting a new major declaration form.

Declaring a Minor:

1. Minors are optional programs, you are not required to have a minor to graduate.
2. The deadline for declaring a minor is the 5th day of classes of the spring semester of the senior year.
3. Students must declare their Major Field of concentration before declaring a minor.

Declaring an Applied Minor:

1. Applied minors are optional programs, they are not required for graduation.
2. The deadline for declaring an applied minor is the 5th day of classes of the spring semester of the senior.

Progress towards completion of a major, a minor, and an applied minor will be tracked in DegreeWorks.

Complete Section B below and the relevant program section. Next to each requirement, indicate which semester (e.g. Fall 2023) you have taken or will take that course.

Your form must be signed by the Department/Program and your academic advisor (must be in your field of study for your major).

Section B: Student Information

Student Name _____ ID# _____

Email _____ Date _____

Planned Date of Graduation: May _____ December _____ Year: _____

Select one:

_____ I wish to declare my primary Major
_____ I wish to declare a Minor
_____ I wish to declare a second Major
_____ I wish to declare an Applied Minor
_____ I wish to change my Major

Biology

Use this form to declare a major or a minor in Biology .

Program Biology

Declaration/Change of Major

To earn a Bachelor of Arts in Biology, you must complete seven (7) courses within the major core, one additional science course from the list below, and 4 to 5 courses within your desired concentration.

Core requirements

Take all of the following courses:

	Course Code	Course Title	Credit Hours	Semester
☐	BIOL 111	Ecological Biology	4	
☐	CHEM 111	Principles of Chemistry	4	
☐	BIOL 112	Cells, Genes & Inheritance	4	
☐	CHEM 221	Organic Chemistry I	4	
☐	BIOL 226	Biological Diversity	4	
☐	BIOL 225	Cell Biology	4	
☐	BIOL 480	Seminar	2	
☐	BIOL 488	Senior Capstone Experience	0	

One of the following courses:

	Course Code	Course Title	Credit Hours	Semester
☐	CHEM 321	Organic Chemistry II	4	
☐	CHEM 331	Equilibrium & Analysis	5	
☐	CS 128	Programming & Problem Solving	4	
☐	ENSU 151	Environment, Science and Sustainability	4	
☐	GEOL 201	Earth and the Environment	3-4	
☐	MATH 120	Fundamentals of Statistics	3	
☐	MATH 180	Calculus A	4	
☐	MATH 280	Calculus B	4	
☐	PHYS 120	Matter in Motion (no calculus)	4	
☐	PHYS 125	Matter in Motion (with Calculus)	4	
☐	PSYC 245	Research Methods & Statistics	4	
☐	PSYC 250	Introduction to Neuroscience	4	

Concentrations
Select one of the five (5) concentrations listed below to focus your studies.

Integrative Biology

Majors should complete at least 16 additional credits in upper-level biology courses from courses below.

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 342	Medical School Prep course	2	
☐ BIOL 343	Immunology	3	
☐ BIOL 345	A&P I: Nervous and Endocrine Systems	4	
☐ BIOL 346	Vertebrate Zoology	4	
☐ BIOL 347	Anatomy and Physiology II: Cardiovascular, Respiratory, Renal and Digestive	4	
☐ BIOL 348	Ornithology	4	
☐ BIOL 350	Field Botany	4	
☐ BIOL 351	Human Genetics & Genomics	3	
☐ BIOL 353	Behavioral Neuroscience	3	
☐ BIOL 357	Animal Behavior	4	
☐ BIOL 359	Great Discoveries in Natural History Collections	4	
☐ BIOL 360	Conservation Biology	3-4	
☐ BIOL 362	Entomology	4	
☐ BIOL 382	Special Topics	3	
☐ BIOL 383	Bioinformatics: Code & Chromosomes	3	
☐ BIOL 410	Applications of Geographical Information Systems (GIS) in Ecology, Environmental and Health Sciences	4	
☐ BIOL 438	Circadian Biology	4	
☐ BIOL 455	Population & Community Ecology	4	
☐ BIOL 451	Evolutionary Biology	4	
☐ BIOL 456	Applied Biostatistics	4	
☐ BIOL 460	Plant Cell Biology	3	
☐ BIOL 461	Microbiology	4	
☐ BIOL 462	Parasitology	4	
☐ BIOL 463	Viral Disease Ecology	4	
☐ BIOL 464	Advanced Cell Physiology	4	
☐ BIOL 465	RNA Biology	3-4	

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 466	Molecular Genetics	4	
☐ BIOL 467	Neuropharmacology	3	
☐ BIOL 473	Natural History Field Course	4	

Ecology and Evolutionary Biology

Take both of the following:

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 451	Evolutionary Biology	4	
☐ BIOL 455	Population & Community Ecology	4	

At least two (2) field organismal courses:

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 350	Field Botany	4	
☐ BIOL 348	Ornithology	4	
☐ BIOL 346	Vertebrate Zoology	4	
☐ BIOL 357	Animal Behavior	4	
☐ BIOL 359	Great Discoveries in Natural History Collections	4	
☐ BIOL 362	Entomology	4	

Cellular and Molecular Biology

Take at least four (4) of the following:

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 343	Immunology	3	
☐ BIOL 345	A&P I: Nervous and Endocrine Systems	4	
☐ BIOL 347	Anatomy and Physiology II: Cardiovascular, Respiratory, Renal and Digestive	4	
☐ BIOL 351	Human Genetics & Genomics	3	
☐ BIOL 383	Bioinformatics: Code & Chromosomes	3	
☐ BIOL 461	Microbiology	4	
☐ BIOL 462	Parasitology	4	
☐ BIOL 464	Advanced Cell Physiology	4	
☐ BIOL 465	RNA Biology	3-4	
☐ BIOL 466	Molecular Genetics	4	

Physiology

Take all of the following:

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 345	A&P I: Nervous and Endocrine Systems	4	
☐ BIOL 347	Anatomy and Physiology II: Cardiovascular, Respiratory, Renal and Digestive	4	
☐ AWPE 341	Exercise Physiology	2	

At least one of the following:

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 343	Immunology	3	
☐ BIOL 461	Microbiology	4	
☐ BIOL 346	Vertebrate Zoology	4	
☐ BIOL 348	Ornithology	4	
☐ BIOL 456	Applied Biostatistics	4	
☐ BIOL 464	Advanced Cell Physiology	4	

Zoology and Wildlife Ecology

At least three (3) of the following:

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 346	Vertebrate Zoology	4	
☐ BIOL 348	Ornithology	4	
☐ BIOL 350	Field Botany	4	
☐ BIOL 357	Animal Behavior	4	
☐ BIOL 359	Great Discoveries in Natural History Collections	4	
☐ BIOL 362	Entomology	4	
☐ BIOL 462	Parasitology	4	

at least one of the following:

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 360	Conservation Biology	3-4	
☐ BIOL 410	Applications of Geographical Information Systems (GIS) in Ecology, Environmental and	4	

	Health Sciences		
☐ BIOL 455	Population & Community Ecology	4	

Conservation Ecology

Required course:

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 360	Conservation Biology	3-4	

Select two (2) of the following courses:

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 340	Restoration Ecology	4	
☐ BIOL 410	Applications of Geographical Information Systems (GIS) in Ecology, Environmental and Health Sciences	4	
☐ BIOL 455	Population & Community Ecology	4	

Take one of the following courses:

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 346	Vertebrate Zoology	4	
☐ BIOL 348	Ornithology	4	
☐ BIOL 350	Field Botany	4	
☐ BIOL 357	Animal Behavior	4	
☐ BIOL 362	Entomology	4	

Minor/Applied Minor Declaration Form

Declared Major(s) _____

To minor in biology, you must complete a total of 24 credits in biology, including at least two of the following courses:

Course Code	Course Title	Credit Hours	Semester
☐ BIOL 111	Ecological Biology	4	
☐ BIOL 112	Cells, Genes & Inheritance	4	
☐ BIOL 226	Biological Diversity	4	

Twenty-one (21) credits must be in courses numbered below BIOL 472. Four credits for the minor may be

from CHEM 111 or CHEM 221.

Note: CHEM 221 is included as an option for the minor for those students who test out of CHEM 111 but still want to take more chemistry.

This student is hereby approved to pursue a major _____ / minor _____ in accordance to the above plans (please enter your full name below).

Academic advisor _____ Date _____

Department/Program Convener _____ Date _____

This completed form must be emailed to registrar@earlham.edu for processing. Your adviser and the Department/Program Convener must be copied on the email.

Registrar _____ Date _____