

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

Biochemistry

Use this form to declare a major in [Biochemistry](#).

Declaration/Change of Major

To earn a Bachelor of Arts in biochemistry, you must complete the following courses.

All of the following chemistry courses:

Course Code	Course Title	Credit Hours	Semester
<input type="checkbox"/> CHEM 111	Principles of Chemistry	4	
<input type="checkbox"/> CHEM 221	Organic Chemistry I	4	
<input type="checkbox"/> CHEM 321	Organic Chemistry II	4	
<input type="checkbox"/> CHEM 331	Equilibrium & Analysis	5	
<input type="checkbox"/> CHEM 351	Biochemistry	4	

One of the following in chemistry

Course Code	Course Title	Credit Hours	Semester
<input type="checkbox"/> CHEM 341	Thermodynamics & Kinetics	4	
<input type="checkbox"/> CHEM 361	Inorganic Chemistry	3	
<input type="checkbox"/> CHEM 371	Environmental Chemistry & Toxicology	4	
<input type="checkbox"/> CHEM 431	Advanced Analytical Chemistry	4	

Other special courses as offered by prior arrangement with chemistry faculty

Both of the following biology courses:

Course Code	Course Title	Credit Hours	Semester
<input type="checkbox"/> BIOL 112	Cells, Genes & Inheritance	4	
<input type="checkbox"/> BIOL 341	Cell Physiology	4	

At least one course from each of the two lists that follow, totaling at least 7 credits:

Choose one from:

Course Code	Course Title	Credit Hours	Semester
<input type="checkbox"/> BIOL 226	Biological Diversity	4	
<input type="checkbox"/> BIOL 348	Ornithology	3	
<input type="checkbox"/> BIOL 460	Plant Cell Biology	3	

<input type="checkbox"/>	BIOL 461	Microbiology	4
<input type="checkbox"/>	BIOL 462	Parasitology	4

And choose one from:

Course Code	Course Title	Credit Hours	Semester
<input type="checkbox"/>	BIOL 343	Immunology	3
<input type="checkbox"/>	BIOL 345	A&P I: Nervous and Endocrine Systems	4
<input type="checkbox"/>	BIOL 347	Anatomy and Physiology II: Cardiovascular, Respiratory, Renal and Digestive	4
<input type="checkbox"/>	BIOL 351	Human Genetics & Genomics	3
<input type="checkbox"/>	BIOL 383	Bioinformatics	4
<input type="checkbox"/>	BIOL 464	Advanced Cell Physiology	4
<input type="checkbox"/>	BIOL 466	Molecular Genetics	4

Other special courses as offered by prior arrangement with biology faculty

Additional Requirements

Course Code	Course Title	Credit Hours	Semester
<input type="checkbox"/>	MATH 180 Calculus A OR MATH 120 Elementary Statistics OR MATH 300 Advanced Statistics OR PSYC 245 Research Methods and Statistics	3-5	
<input type="checkbox"/>	Either PHYS 125 and 235 Analytical Physics I and II (recommended); OR PHYS 120 and 230 General Physics I and II	8	
<input type="checkbox"/>	Either BIOL 480 Biology Senior Seminar OR CHEM 480 Chemistry Senior Seminar	2	

- An independent research project is also required. This may be accomplished as an independent study in biology or chemistry, as a summer research experience on-or off-campus, as an approved Ford/Knight Research Project. Careful early planning with your adviser will determine the best option for your research experience. A presentation of the research in a public forum is expected.
- Comprehensive examinations must also be successfully completed.

Note: Students with AP, IB or transfer credits in chemistry, biology, physics or calculus should be in contact with a faculty member in a related program.

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 _____