

Status: Approved ☐ Not Approved	
Email sent to student on	

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 p I wish to declare a Mir I wish to declare a sec I wish to declare an Ap I wish to change my M	nor cond Major pplied Minor

Engineering

Use this form to declare a major in **Engineering**.

Declaration/Change of Major

Bachelor of Engineering To earn a Bachelor of Engineering (designed for ABET accreditation), you must complete the following courses, in addition to general education requirements: Five core engineering courses (20 credits)

Course Code	Course Title	Credit Hours	Semester
☐ ENGR 111	Intro to Engineering	4	
☐ ENGR 270	Engineering Mechanics	4	
☐ ENGR 290	Mass and Heat Transfer	4	
☐ ENGR 350	Circuit Theory	4	
☐ One of the following	courses: ENGR 306 or ENGR 374	4	

Eight core mathematics and basic science courses (30 credits)			
Course Code	Course Title	Credit Hours	Semester
☐ PHYS 125	Matter in Motion (with Calculus)	4	
☐ PHYS 235	Electromagnetism, Waves and Optics (With Calculus)	4	
☐ MATH 180	Calculus A	4	
☐ MATH 280	Calculus B	4	
☐ MATH 320	Differential Equations	3	
☐ CS 128	Programming & Problem Solving	4	
☐ PHYS 360	Mathematical Methods and Physics	3	
☐ One of the followi CHEM 111, or GEC	ing courses: BIOL 111, BIOL 112, DL 201	4	

A minimum of 20 elective credits

• A required independent research project or internship, which must be pre-approved by the program, and may be accomplished as a research class in Physics, Earth and Environmental Science, Chemistry, Biology, Computer Science, as a summer research experience on-campus or off-campus, as an approved Ford/Earlham research project, or as an internship with an engineering company.

Course Code	Course Title	Credit Hours	Semester
☐ ENGR 481	Internship, Field Studies, and	1-3	

	Other Field Experiences		
☐ ENGR 485	Independent Student Research	1-3	
☐ ENGR 486	Research	0-3	
Elective co			
	IGR 300: TBD		
	IGR 301: Geotechnical Engineering IGR 302: TBD		
	IGR 303: Signals and Systems		
	IGR 304: TBD IGR 305: Strength of Materials		
	IGR 306: Engineering Thermodynamics		
° EN	IGR 307: Advanced Topics in Engineering	g	
	RT/ENGR 308: TBD RT/ENGR 309: TBD		
A year-long cap	stone project (5 credits)		
Course Code	Course Title	Credit Hours	Semester
☐ ENGR 487	Senior Capstone A	2	
☐ ENGR 488	Senior Capstone B	3	
Bachelor of Eng	ineering Studies		
	or of Engineering Studies (not designed s s, in addition to general education requir		, you must complete the
Four of the follo	wing core engineering courses (16 cr	edits)	
Course Code	Course Title	Credit Hours	Semester
☐ ENGR 111	Intro to Engineering	4	
☐ ENGR 270	Engineering Mechanics	4	
☐ ENGR 350	Circuit Theory	4	
☐ One of the follow	ving courses: ENGR 306 or ENGR 374	4	
Six core mathen	natics and basic science courses (22 c	redits)	
Course Code	Course Title	Cradit Hours	Samastar

Six core mathematics and basic science courses (22 credits)			
Course Code	Course Title	Credit Hours	Semester
☐ PHYS 125	Matter in Motion (with Calculus)	4	
☐ PHYS 235	Electromagnetism, Waves and Optics (With Calculus)	4	
☐ MATH 180	Calculus A	4	
☐ MATH 280	Calculus B	4	
☐ MATH 320	Differential Equations	3	
☐ PHYS 360	Mathematical Methods and Physics	3	

3

A minimum of 16	6 elective credits		
program Science, off-camp	ed independent research project or into , and may be accomplished as a resear Chemistry, Biology, Computer Science ous, as an approved Ford/Earlham rese ing company.	ch class in Physics, Eart e, as a summer research	h and Environmental experience on-campus or
Course Code	Course Title	Credit Hours	Semester
☐ ENGR 481	Internship, Field Studies, and Other Field Experiences	1-3	
☐ ENGR 485	Independent Student Research	1-3	
☐ ENGR 486	Research	0-3	
 EN EN EN EN EN AR 	IGR 300: TBD IGR 301: Geotechnical Engineering IGR 302: TBD IGR 303: Signals and Systems IGR 304: TBD IGR 305: Strength of Materials IGR 306: Engineering Thermodynamic IGR 307: Advanced Topics in Engineering T/ENGR 308: TBD ET/ENGR 309: TBD		
A year-long caps	stone project (5 credits)		
Course Code	Course Title	Credit Hours	Semester
☐ ENGR 487	Senior Capstone A	2	
☐ ENGR 488	Senior Capstone B	3	
	y approved to pursue a major in accordance to the ab		
Academic advisor	Date		
Department/Program	n 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 ____