

# INDIVIDUALIZED PROGRAM, BAS

<sup>1</sup> The Social Science & Humanities Depth, Writing & Ethics Requirement can be satisfied with the 7 total course units.

The individualized major offers an opportunity for exceptional, creative, self-motivated students to explore innovative and multi-disciplinary fields of knowledge. The individualized major is intended to foster a closer relationship between the student and the faculty advisors.

For more information: <https://www.seas.upenn.edu/prospective-students/undergrad/majors/individualized/>

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2023 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.

## Individualized Program Major Requirements

40 course units are required. Read more about the Undergraduate Student Handbook (<http://www.seas.upenn.edu/undergraduate/handbook/>).

Code	Title	Course Units
<b>Engineering</b>		
Select one of the following:		1
CIS 1100	Introduction to Computer Programming	
CIS 1200	Programming Languages and Techniques I	
Engineering courses		10
EAS 4990	Senior Capstone Project	1
<b>Math</b>		
MATH 1400	Calculus, Part I	1
MATH 1410	Calculus, Part II	1
Mathematics courses		2
<b>Natural Science</b>		
Select 2 of the following:		2.5-3
PHYS 0150	Principles of Physics I: Mechanics and Wave Motion	
CHEM 1011/1101	Introduction to General Chemistry I	
BIOL 1101	Introduction to Biology A	
	or BIOL 1121 Introduction to Biology - The Molecular Biology of Life	
Natural Science Electives		2
CHEM 1101	General Chemistry Laboratory I (if applicable)	0.5
<b>Concentration</b>		
Select 9 course units		9
<b>Social Sciences and Humanities <sup>1</sup></b>		
Select 2 Social Science courses		2
Select 2 Humanities courses		2
Select 1 Social Science or Humanities course		1
Select 2 Social Science or Humanities or Technology in Business & Society courses		2
<b>Free Elective</b>		
Select 3 course units of free electives		3
<b>Total Course Units</b>		<b>40</b>