

Origins Major BA

Sample Educational Plan for Pre-Med

Key:

Open Elective

SAGES requirements of the CAS

Science Core

Origins Core

Origins Focus

Pre-Health Requirement

(courses fulfilling multiple purposes shown in all appropriate colors)

¹ Fulfills Social Sciences requirement

² Fulfills Natural and Mathematical Sciences requirement

³ Fulfills Arts and Humanities requirement

⁴ Fulfills Quantitative Reasoning Requirement

⁵ Fulfills Global and Cultural Diversity requirement

⁶ Fulfills PHED requirement

⁷ Fulfills Departmental seminar requirement

⁸ 300 level or above

Year I

Fall

Course	Credits
First Seminar	3
PHED I ⁶	0
Quantitative Reasoning ⁴ MATH 121	4
Genes, Evolution and Ecology (with Lab) BIOL 214 ²	4
Principles of Chemistry I CHEM 105	3
Open Elective I e.g. ORIG 101	1
Semester Credits	15

Spring

Course	Credits
Principles of Chemistry II CHEM 106 ²	3
Principles of Chemistry Lab CHEM 113 ²	2
Cells and Proteins BIOL 215 (with lab)	4
MATH 122	4
Open Elective II	3
Semester Credits	17

Year II

Fall

University Seminar I	3
Introductory Organic Chemistry I CHEM 223 ²	3
Introductory Organic Chemistry Lab I CHEM 233 ²	2
ORIG 202 Origins II. Life in all its diversity	3
Open Elective III	3

Semester Credits 15

Spring

Arts and Humanities I ³	3	
University Seminar II	3	
PHED II ⁶	0	
Origins I. From the Beginning ORIG 201	3	
Introductory Organic Chemistry II		CHEM 2234 ² 4
Introductory Organic Chemistry Lab II		CHEM 234 ² 2
Semester Credits		15

Summer suggestion: work in CWRU lab

Year III**Fall**

Development and Physiology (with Lab)	BIOL 216 ²	4	
Natural/Math. Sciences I ²	PHYS 115	4	
Origins focus course			
ORIG 351 ⁸ Topics in Origins		3	
Open Elective V		3	
Semester Credits			17
Credits at 300 level or above			3

Spring

Social Sciences II ¹		3	
Departmental Seminar ^{7,8}		3	
ORIG 301/MATH 3xx ⁸ Mathematical Modeling		3	
Natural/Math. Sciences I ²	PHYS 116	4	
Open Elective VI		3	
Semester Credits			16
Credits at 300 level or above			6

Summer suggestion: NSF REU

Year IV**Fall**

Arts and Humanities II ³		3	
Global and Cultural Diversity ⁵		3	
Statistics ²	e.g. ANTH319 ⁸	3	
Biochemistry			4
Open Elective VII ⁸	BIOC 307 ^{2,8}	3	
Semester Credits			16
Credits at 300 level or above			9

Spring

Social Sciences I ¹		3	
Senior Capstone ⁸		3	
ORIG 351 ⁸ Topics in Origins		3	
Open Elective IX ⁸		3	
Semester Credits			12
Credits at 300 level or above			9

Total Credits

120

Total Credits at 300 level or above

30