

MATHEMATICS PRE-MAJOR

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The following pre-major is recommended for students who are considering completing a Bachelor's degree in Mathematics after transferring to a four-year institution. It is designed for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are strongly encouraged to consult the Office of Advising, Transitions, and Student Success and the transfer institution's catalog to select courses that will meet both Oakton and transfer institution requirements.

For more information on course selection or program-specific advising, contact the department chair. Part time students should also consult the Office of Advising, Transitions, and Student Success for part-time pre-major recommendations. **General Education courses should be selected from the list of IAI General Education Courses.**

Course	Title	Hours
First Year		
Semester One		
EGL 101	Composition I	3
MAT 250	Calculus I	5
Select one Life Science course without lab:		3
BIO 104	Human Genetics	
BIO 109	Plants and Society	
BIO 116	Microbe and Society	
Select one Modern Language (202 ¹ or higher) ² or Humanities course		3-4
Select one of the following:		3
HIS 113	History of Native Americans ³	
HIS 114	African American History: Beginnings to 1865	
SOC 103	Social Problems ³	
SOC 232	Sociology of Race and Ethnicity ⁴	
Hours		17-18
Semester Two		
EGL 102	Composition II	3
MAT 251	Calculus II	4
PHY 221	General Physics I	5
Select one of the following:		3
CSC 155	C++ Computer Science I	
CSC 156	Java Computer Science I	
CSC 157	Python Computer Science I	
Hours		15
Second Year		
Semester One		
SPE 103	Effective Speech	3
MAT 252	Calculus III	4
PHY 222	General Physics II	5
CHM 121	General College Chemistry I	4
Hours		16
Semester Two		
MAT 260	Introduction to Linear Algebra	3
MAT 262	Ordinary Differential Equations	3
CHM 122	General College Chemistry II	4
Select one of the following:		3
ECO 201	Principles of Macroeconomics	
ECO 202	Principles of Microeconomics	
GEG 120	World Regional Geography ¹	
HIS 132	Western Civilization since 1650	
PSC 202	International Relations ¹	

Select one Fine Arts course	3
Hours	16
Total Hours	64-65

- 1 Course fulfills the Global Studies Requirement. At least one Global Studies course is required for degree completion.
- 2 Transfer institutions may have a language requirement. Any Modern Language Intermediate II course can meet the Humanities and Global Studies requirements.
- 3 Course fulfills both, the Global Studies and U.S. Diversity Requirements.
- 4 Course fulfills the U.S. Diversity Requirement. At least one U.S. Diversity course is required for degree completion.

Note: Pre-major is a recommended sequence and selection of courses. See Associate in Science (A.S.) page for degree requirements.