

MATHEMATICS/COMPUTER SCIENCE (120 credits)

8 Semester Graduation Plan

Students are responsible for reviewing and tracking their own progress toward degree requirements. This plan is provided as a general guideline. It DOES NOT reduce the importance of careful discussions between a student and his or her academic advisor and the use of the online [Degree Progress Report](#) program.

IMPORTANT REMINDERS:

1. A MINIMUM OF 30 CORE/GENEAL EDUCATION CREDITS MUST BE COMPLETED FROM THE REQUIRED SEVEN AREAS
2. A MINIMUM OF 120 CREDITS WITH AT LEAST 45 UPPER-LEVEL CREDITS ARE REQUIRED TO GRADUATE. UPPER LEVEL COURSES ARE NUMBERED FROM 3000 TO 4999 AT PURCHASE COLLEGE.
3. A MINIMUM OF 60 CREDITS OUTSIDE OF YOUR BOARD OF STUDY ARE REQUIRED TO GRADUATE. THESE COURSES HAVE A 3-LETTER PREFIX OTHER THAN THAT OF YOUR MAJOR.
4. A MAXIMUM OF 4 CREDITS OF PHYSICAL EDUCATION CAN BE APPLIED TO THE DEGREE.

Year 1

Fall Semester		
Course		Credits
FRS1030	Freshman Seminar	1
LWR1110	College Writing (Basic Comm Core)	4
Core	Humanities Group	4
MAT1500	Calculus I (Core)	4
MAT1520	Computer Science I	4
Total		17

Spring Semester		
Course		Credits
FRS1200	Science in the Modern World (NS)	4
Elective	Elective	3
MAT1510	Calculus II	4
MAT1540	Computer Science II	4
Total		15

Year 2

Fall Semester		
Course		Credits
MAT**** OR ELECTIVE	Math Elective: Creating Web Doc; Statistics; Programming Games OR LAS Elective	4
MAT3150	Calculus III	4
Core	Languages and Culture	4
Elective	Elective	3
Total		15

Spring Semester		
Course		Credits
MAT3170	Linear Algebra	4
Core	Social Sciences	4
Core	Arts	3
Core Elect	General Education Elective	4
Total		15

Year 3

Fall Semester		
Course		Credits
MAT3/4**	Upper Level Math/CS Elective	4
MAT3160	Differential Equations or UL Math Elective	4
*****	Second Science Course	4
3000/4000	Elective or Learning Assistant or Tutorial – Upper Level	4
Total		16

Spring Semester		
Course		Credits
MAT3120	Discrete Mathematics or UL Math Elective	4
MAT3/4**	Upper Level Math/CS Elective	4
3000/4000	Upper Level Elective	3
3000/4000	Upper Level Elective or Internship	4
Total		15

Year 4

Fall Semester		
Course		Credits
MAT3990	Senior Project	4
MAT4880	Senior Seminar I	1
MAT3/4**	Upper Level Math/CS Elective	4
Core	Health/Wellness	1
3000/4000	Upper Level Elective	4
Total		14

Spring Semester		
Course		Credits
MAT3990	Senior Project	4
MAT4890	Senior Seminar II	1
3000/4000	Upper Level Elective	4
3000/4000	Upper Level Elective	4
Total		13