

# 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 Degree Progress Report.

### IMPORTANT REMINDERS:

1. A minimum of 30 Core/General 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	First-Year Seminar	1
WRI1110	College Writing (Basic Comm Core)	4
Core	Humanities Group Core	4
MAT1500	Calculus I (Math Core)	4
MAT1520	Computer Science I	4
<b>Total</b>		<b>17</b>

Spring Semester		
Course		Credits
Core	Natural Science Core	4
Elective	Elective	3
MAT1510	Calculus II	4
MAT1540	Computer Science II	4
<b>Total</b>		<b>15</b>

### Year 2

Fall Semester		
Course		Credits
MAT**** <or> Elective	Math Elective: Creating Web Docs; Statistics; Programming Games <or> Non-MAT elective	4
MAT3150	Calculus III	4
Core	Languages and Cultures core	4
Elective	Elective	3
<b>Total</b>		<b>15</b>

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

### Year 3

Fall Semester		
Course		Credits
MAT3/4**	Upper-Level Math/CS Elective	4
MAT3/4**	Upper-Level Math/CS Elective	4
*****	Second Science Course	4
3000/4000	Upper-Level Elective, Internship, or Learning Assistant	4
<b>Total</b>		<b>16</b>

Spring Semester		
Course		Credits
MAT3/4**	Upper-Level Math/CS Elective	4
MAT3/4**	Upper-Level Math/CS Elective	4
3000/4000	Upper-Level Elective	3
3000/4000	Upper-Level Elective, Internship, or Learning Assistant	4
<b>Total</b>		<b>15</b>

### Year 4

Fall Semester		
Course		Credits
SPJ4990	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
<b>Total</b>		<b>14</b>

Spring Semester		
Course		Credits
SPJ4991	Senior Project	4
MAT4890	Senior Seminar II	1
3000/4000	Upper-Level Elective	4
3000/4000	Upper-Level Elective	4
<b>Total</b>		<b>13</b>