

Math Minor for CS Majors

The Math minor requires 25 credits of Math, including 3 credits of theory*, and a minimum 2.0 Math GPA. From the courses below, a number of combinations enable CS majors easily to obtain a Math minor.

I. CS required Math courses:

<u>Course #</u>	<u>Title</u>	<u>Math Cr for Math Minor</u>	<u>CS Cr for CS Major</u>
Math 1205	Calculus I	3	0
Math 1114	Linear Algebra	2	0
Math 1206	Calculus II	3	0
Math 1224	Vector Geometry	2	0
Math 2214	Differential Eqns	3	0
Math 2224	Multivariable Calc	3	0
Math 2534	Discrete Math	3	0
* Math 3134	Applied Combinatorics	3	0
Subtotal for Math minor		22	

II. Cross-listed Courses that count toward both the CS major and the Math minor:

<u>Course #</u>	<u>Title</u>	<u>Math Cr for Math Minor</u>	<u>CS Cr for CS Major</u>
+ CS/Math 3414	Numerical Methods	3	3
CS/Math 4414	Issues in Sci Comp	3	3

III. Other Math courses recommend by the CS Department for completing the Math minor:

<u>Course #</u>	<u>Title</u>	<u>Math Cr for Math Minor</u>	<u>CS Cr for CS Major</u>
+ Math 4445, 4446	Intro Num Analy	6	3
Math 4175	Cryptography	3	3
(Math 4175 can substitute for technical elective upon request)			

+ CS/Math 3414 duplicates Math 4445, 4446. Math 4445 and 4446 together can replace 3414 for CS major credit at the junior level.