

**General Education Requirements and Degree Information: BACHELOR OF ARTS IN COMPUTATIONAL MATHEMATICS**

**ID:** \_\_\_\_\_  
**Name:** \_\_\_\_\_  
**Major: Computational Mathematics**

**Update:** \_\_\_\_\_  
**Advisor:** \_\_\_\_\_  
**Catalog: 2014-2015** ≈ Degree

Course	Grade	Credit
<b>FY/Adv. Entry Seminar:</b>		
05-012/212		

Course	Grade	Credit
<b>Natural Sciences:</b>		
Exp. Lab:		
CSC54-184 Computer Science I	MAJOR	

**Foreign Language (4 sem.)**

I.		
II.		
III.		
IV.		

**Social Sciences: 2 courses, must be diff. depts:**


**Social Justice Course:**

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**Fine Arts Lecture:**

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**Intercultural Perspective Course:**

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**Fine Arts Performance:**

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**2 different FRAs:**


**Paideia:**

<b>Cluster:</b>		
Course 1:		
Course 2:		
Course 3:		
Seminar:		
Distinction:		

**Humanities: 2 courses, may be same dept.:**


A "C" average on all work attempted is required for graduation. No grade below "C-" may be counted toward the major or minor. At least 127 credits are required to earn a degree at Southwestern; of these, 64 credits must be completed in residence, including the last 32 credits. No more than 56 credit hours may be counted in one subject area. A major requires at least 30 credits, 60% upper-level, and a minor (optional) requires at least 18 credits (at least 12 upper-level). With the exception of FRAs and the FY/AES seminar, all gen.ed. requirements require a minimum of 3 credits, including Fine Arts Performance.

**COMPUTATIONAL MATHEMATICS MAJOR (BA)**

**Major Courses:**

	Grade	Credit
CSC54-184 Computer Science I		
CSC54-284 Computer Science II		

**Electives:**

	Grade	Credit

CSC54-384 Discrete Mathematics		
CSC54-394 Computer Organization		
CSC54-454 Algorithms		

**1 additional upper-level CSC course: CSC54-XX4**

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MAT52-154 Calculus I		
MAT52-254 Calculus II		
MAT52-354 Calculus III		
MAT52-524 Intro to Numerical Analysis		
MAT52-674 Linear Algebra		
MAT52-754 Differential Equations I		

**1 additional upper-level MAT course: MAT52-XX4:**

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MAT52-894 Senior Seminar in Math Modeling OR CSC54-894 Senior Seminar in Software Engineering		
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**Total credits w/gen ed:** \_\_\_\_\_

*\*\*Minimum of 127 credits required.*