

Concentration Contract: Sc.B. in Applied Math/CS

Name _____

Graduation Year _____

General instructions: fill this out as well as possible, then complete it with your concentration advisor and have her or him sign it. Put in *only* those courses used for the concentration. Put check marks in the boxes in the leftmost column for those courses that have been completed. Any changes to your contract must be initialed and dated by your advisor. The contract must be reviewed and reapproved yearly. (If there are no changes, review is still required, but approval is automatic.)

Completed

Will take when

Placement

Math Prerequisites

<input type="checkbox"/>	Second-semester Calculus course (e.g., MATH 100, 170, or 190)	_____ <input type="checkbox"/>
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Core Math and Applied Math Requirements

<input type="checkbox"/>	Math 180 or Math 350 (Intermediate Calculus)	_____
<input type="checkbox"/>	Math 520 or Math 540 or CSCI 530 (Linear Algebra)	_____
<input type="checkbox"/>	APMA 350 (Methods of Appl Math I)	_____
<input type="checkbox"/>	APMA 360 (Methods of Appl Math II)	_____
<input type="checkbox"/>	APMA 1170 or 1180 (Numerical Analysis)	_____

Core Computer Science

<input type="checkbox"/>	CSCI 150 (Intro to Programming and CS)	Fall _____
<input type="checkbox"/>	CSCI 160 (Intro to Algs and Data Structs)	Spring _____
	or	
<input type="checkbox"/>	CSCI 170 (CS: Integrated Approach I)	Fall _____
<input type="checkbox"/>	CSCI 180 (CS: Integrated Approach II)	Spring _____
	or	
<input type="checkbox"/>	CSCI 190 (Programming with Data Structures & Algorithms)	Fall _____
<input type="checkbox"/>	Advanced CS course	_____
Three intermediate courses, of which one must be math-oriented and one must be systems-oriented. :		
<input type="checkbox"/>	CSCI 220 (Intro to Discrete Math) (math)	Spring _____
<input type="checkbox"/>	CSCI 450 (Intro to Probability and Computing) (math)	Fall _____
<input type="checkbox"/>	CSCI 310 or 330 (Intro to Computer Systems) (systems)	Fall _____
<input type="checkbox"/>	CSCI 320 (Intro to Software Engineering) (systems)	Spring _____
<input type="checkbox"/>	CSCI 510 (Models of Computation) (math)	Fall _____

Advanced Applied Math

Three courses: Choose one 1000-level two-course sequence and one other 1000-level course.

Two-Course Sequence (Choose one)

<input type="checkbox"/>	APMA 1200 (Operations Research: Prob. Models)	Fall _____
	APMA 1210 (Operations Research: Det. Models)	Spring _____
<input type="checkbox"/>	APMA 1650 (Statistical Inference I)	Fall _____
	APMA 1660 (Statistical Inference II)	Spring _____
<input type="checkbox"/>	Other approved 1000-level course _____	Fall _____
	Follow-on approved 1000-level course _____	Spring _____

One Additional 1000-level Applied Math Course

<input type="checkbox"/>	_____	_____
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Advanced Computer Science

Three courses in CS or related areas. All must be at the 1000 level or higher. Two of the courses must be either chosen from the list of approved pairs found at <http://www.cs.brown.edu/ugrad/concentrations/approvedpairs> or approved by the director of undergraduate studies.

<input type="checkbox"/>	Course 1 of approved pair _____	_____
<input type="checkbox"/>	Course 2 of approved pair _____	_____
<input type="checkbox"/>	Other approved course _____	_____

Capstone Course

<input type="checkbox"/>	_____	_____
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The above is my plan for meeting the degree requirements. It is my responsibility to make certain that all courses taken at Brown for concentration credit, all courses taken at other schools for which transfer credit has been approved for concentration credit, and all AP credits appear on my transcript.

Student Signature

Advisor Signature

Date

Advisor Name (printed)

Reviewed and reapproved (at yearly meeting with concentration advisor):

Student Signature

Advisor Signature

Date

Advisor Name (printed)

Reviewed and reapproved (at yearly meeting with concentration advisor):

Student Signature

Advisor Signature

Date

Advisor Name (printed)