



BOSTON COLLEGE

Lynch School of Education
and Human Development

Math/Computer Science Interdisciplinary Major

Class of 2022 and beyond

This 10 course major is available as a second major to students in the Lynch School who are pursuing Elementary Education or Applied Psychology and Human Development. **It is not an option for students majoring in Secondary Education.** It is recommended for students who may have had four years of high school mathematics and wish to specialize in mathematics/computer science, but are not interested in the traditional mathematics major because of their intended career objective as elementary educators.

Required Courses (7 courses)	Credits	Notes
MATH 1190 Fundamentals of MATH I <u>or</u> MATH 1191 Fundamentals of Math II*	3	MATH 1190 – fall only MATH 1190 – spring only *Students interested in Secondary Education and Math should select MATH 1191
EDUC 6674 Teaching Math Problem Solving 4-12	3	Spring only
MATH 1100 Calculus I or MATH 1101 or 1102 Calculus II	4	If AP credit awarded for Calculus, please select another MATH elective.
EDUC 1128 Computer Applications for Educators <u>or</u> APSY 6400 Managing Cyber Risk: Mobile Devices and Social Networking	3	EDUC 1128 Offered Biennially
MATH 2290 Number Theory for Teachers	3	Offered Biennially
MATH 2291 Geometry for Teachers <u>or</u> MATH 4453 Euclid's Elements	3	
ADMT 2530 Statistics	4	WCAS Course
Elective I: Take one (1) course in Computer Science (ADIT, CSCI, APSY). Electives must differ from required courses.		
ADIT 1340 Exploring the Internet	4	WCAS Course
ADIT 1348 Information Systems Applications	4	WCAS Course
ADIT 1349 Collaborative Computing	4	WCAS Course
ADIT 1350 Introduction to Programming	4	WCAS Course
CSCI 2257 Database Systems and Applications (ISYS 3257)	3	
CSCI 2267 Technology and Culture (SOCY 6670, PHIL 6670)	3	



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APSY 6050 Cybersecurity Policy: Privacy & Legal Requirements	3	
APSY 6400 Managing Cyber Risk: Mobile Devices and Social Networking	3	
APSY 6450 Cyber Investigations and Digital Forensics	3	
Elective II: Take two (2) courses in either Math (MATH) or Computer Science (ADIT, EDUC, CSCI, APSY). Electives must differ from required courses.		
MATH 1100 Calculus I	4	
MATH 1101 or 1102 Calculus II	4	
MATH 1007 Ideas in Mathematics	3	
MATH 1190 Fundamentals of Math I	3	Fall only
MATH 1191 Fundamentals of Math II	3	Spring only
MATH 2210 Linear Algebra	3	
MATH 2216 Intro to Abstract Mathematics	3	
MATH 2290 Number Theory for Teachers	3	Offered Biennially
MATH 2291 Geometry for Teachers	3	
MATH 4453 Euclid's Elements	3	Fall only
ADIT 1340 Exploring the Internet	3	
ADIT 1348 Information Systems Applications	3	
ADIT 1349 Collaborative Computing	3	
ADIT 1350 Introduction to Programming	3	
EDUC 1128 Computer Applications for Educators	3	Offered Biennially
CSCI 2257 Database Systems and Applications (ISYS 3257)	3	
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