



Math/Computer Science Interdisciplinary Major

Class of 2028 & Beyond

The **Math/Computer Science Interdisciplinary major** is a ten-course major (30+ credits) available as a second major to students in the Lynch School who are pursuing Elementary Education, Applied Psychology and Human Development or Transformative Educational Studies majors. It is not an option for students majoring in Secondary Education. This major will better equip graduates to pursue careers in such areas as classroom teaching, remedial and tutoring K-12 Math programs, professional development, educational technology, administration, higher education, educational research, educational policy, curriculum development.

Course Number and Title	Credits
Take seven (7) core courses	
MATH1190 Fundamentals of Math I <u>or</u> MATH1191 Fundamentals of Math II	3
EDUC6674 Teaching Math Problem Solving Grades 4-12	3
MATH2210 Linear Algebra <u>or</u> MATH2202 Multivariable Calculus	3 or 4
MATH2290 Number Theory for Teachers <u>or</u> MATH4430 Intro to Number Theory	3
MATH2291 Geometry for Teachers <u>or</u> MATH4453 Euclid's Elements	3
APSY6410 Introduction to Statistics <u>or</u> another Statistics course	3
CSCI1101 Computer Science I <u>or</u> CSCI1090 Data Science Principles	3
Elective I: Choose one (1) course in Computer Science not previously taken	
CSCI1102 Computer Science II	3
CSCI2254 Web Application Development	3
CSCI2267/SOCY6670/PHIL6670 Technology and Culture	3
FORM6150/CSCI2265 Tech Tools for Playful Learning	3
Electives II: Choose two (2) courses in either Math or Computer Science not previously taken	
MATH1190, Fundamentals of Math I	3
MATH1191 Fundamentals of Math II	3
MATH1102 Calculus I; MATH1103 Calculus II; <u>or</u> MATH2202 Multivariable Calculus	3 or 4
MATH2210 Linear Algebra	3
MATH2216 Introduction to Abstract Mathematics	3
MATH2290 Number Theory for Teachers	3
MATH2291 Geometry for Teachers	3
MATH4430 Introduction to Number Theory	3
MATH4453 Euclid's Elements	3



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CSCI2254 Web Application Development	3
CSCI2267/SOCY6670/PHIL6670 Technology and Culture	3

Note: Additional courses may be approved by the Lynch School Office of Undergraduate Programs, Campion Hall 104.