

Lynch School of Education and Human Development
Mathematics/Computer Science Interdisciplinary Major
For Classes of 2020 & 2021

This 9-course/27⁺ credit 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.

I. Six Required Courses – 19 credits				
Course number and title:	Credits	Fall	Spring	Notes
MATH1190 Fundamentals of Math I	3	✓		
MATH1191 Fundamentals of Math II	3		✓	
EDUC1128 Computer Applications for Educators	3		✓	Offered Biennially
MATH2290 Number Theory for Teachers	3		✓	Offered Biennially
MATH2291 Geometry for Teachers	3		✓	Offered Biennially
OR				
MATH4453 Euclid's Elements*	3	✓		
ADMT2530 Statistics	4	✓	✓	WCAS Course**

II. Choose one course – 3 or 4 credits				
Course number and title:	Credits	Fall	Spring	Notes
ADIT1340 Exploring the Internet	4	✓		WCAS Course**
ADIT1348 Information Systems: Applications and Overview	4	✓	✓	WCAS Course**
CSCI2267 Technology & Culture (SOCY6670, PHIL6670)	3	✓	✓	
EDUC6367 Restructuring the Classroom with Technology	3	✓		Offered Periodically

III. Choose one course – 4 credits				
Course number and title:	Credits	Fall	Spring	Notes
MATH1100 Calculus I	4	✓	✓	
MATH1101 Calculus II	4	✓	✓	
MATH1102 Calculus I	4	✓		Math and Science Majors

Choose one Elective below or from Section II – 3 Credits				
Course number and title:	Credits	Fall	Spring	Notes
EDUC6674 Teaching Math Problem Solving 4-12	3		✓	Graduate Course
MATH1007 Ideas in Mathematics	3	✓	✓	
MATH2210 Linear Algebra	3	✓	✓	
MATH2216 Introduction to Abstract Mathematics***	3	✓	✓	
CCSI2257 Database Systems and Applications (ISYS3257)	3	✓	✓	

* Geometry for Teachers is recommended for Elementary Majors and Euclid's Elements is an alternate recommendation for those with high achievement in Math

** Woods College courses: space available; first come basis. Pick up approval form in Campion 104 to bring to St. Mary's Hall

*** This course is demanding and is recommended to those who have taken AP Calculus and achieved an exam score of 4 or 5