

Teacher Academy at CSI

MAJOR in Mathematics; Concentration in Adolescence Education Grades 7-12

	Fall	Spring
Year 1	MTH 231,3crs,4hrs Calculus I MTH 229,1cr,2hrs Calculus Computer Lab Science Course and Lab, 4 crs* ENG 111,3crs,4hrs Intro to College Writing COR 100,4crs,4hrs** US:Issues,Ideas,&Institutions Seminar on Teaching 15crs total	MTH 232,3crs,4hrs Calculus II Science Course and Lab, 4 crs* ENG 151,4crs,4hrs College Writing PED 190,1cr,2hrs Fitness for Life EDS 599, 1cr, 1hr Seminar on Fieldwork Seminar on Teaching 13 crs total
Year 2	MTH 233,3crs,4hrs Calculus III MTH 338,4crs,4hrs Linear Algebra Gen Ed: PSY 100, 3crs,3hrs**** Psychology Gen Ed*** ¹ ,4crs,4hrs Seminar on Teaching 14 crs total	MTH 311,4crs,4hrs Probability MTH 341,4crs,4hrs Advanced Calculus I EDS 202,4crs,4hrs Psychological Foundations MTH 214, 4crs, 4hrs, Applied Statistics using Computers Seminar on Teaching 16 crs total
Year 3	MTH 339,4crs,4hrs Applied Abstract Algebra MTH 306,4crs,4hrs History of Math Gen Ed*** ¹ ,4crs,4hrs EDS 201,4crs,4hrs Social Foundations Seminar on Teaching 16 crs total	MTH 334, 4crs,4hrs Differential Equations MTH 329,4crs, 4hrs Geometry Language 113 level, 4crs,4hrs EDS 317, 4crs, 4hrs Seminar on Teaching 16 crs total
Year 4	MTH 3__ ,4crs,4hrs EDS 303, 4crs,4hrs Teaching of Math Language 114 level, 4crs,4hrs Seminar on Teaching 12 crs total	MTH 3__ ,4crs,4hrs EDS 400,6crs Student Teaching in Secondary Education EDS 401,2crs,2hrs Practices and Problem Solving in Student Teaching 12 crs total

Total requirements = 114 credits. 6 elective credits.

*Sequence of science courses with laboratories chosen from the following:

BIO 170-171, 180-181 General Biology I and II with labs

CHM 141-121, 142-127, General Chemistry I and II with labs

GEO 100-101, 102-103 Physical and Historical Geology with labs

AST 100-101, 102-103 Contemporary Theories of the Solar System and of the Universe with labs

AST 120-160 Space Science I and II with labs

**COR 100 US:Issues,Ideas,&Institutions is a general education requirement

***General Education course in Contemporary World, 4crs,4hrs has a prerequisite of ENG 151 and COR 100

****General Education course in Textual, Aesthetic, Linguistic Analysis, 3-4crs, 3-4hrs

****General Education course in Social Science Analysis can be satisfied by PSY 100. EDS 202 requires 3 crs of psychology

¹Pluralism and Diversity Requirement can be satisfied with an appropriate selection in this category