

# Requirements effective Fall 2016 for class of 2020+

## Department of Mathematics and Computer Science

### MATHEMATICS MAJOR Checklist

#### Department Requirements:

Course	Taken	Course	Taken	Course	Taken
	Quarter/Year		Quarter/Year		Quarter/Year
CSCI 10 & L		MATH 23		Group A3	(3)
MATH 11		MATH 51		Group B	(4)
MATH 12		MATH 52		Group B	(5)
MATH 13		MATH 53		Group B	(6)
MATH 14		Group A1	(1)	Group B	(7)
		Group A2	(2)		

Group A1 - MATH 102, 105 or 153 (Analysis)

Group A2 - MATH 103 or 111 (Algebra)

Group A3 - Either Geometry (101, 113, or 174), or Discr Math (176 or 177) or Appl Math (122, 125, 144, 155, 165, or 166)

Group B - 5-unit upper division MATH/CSCI courses (not MATH 100). The 7 upper division courses must be distinct.

NOTE: Those planning on graduate work in pure math should take: MATH 105, 111, 112, 113, 154

or if planning on work in applied math: MATH 105, 144, 154, 155 (and complete emphasis in Appl. Math).

#### College and University Requirements:

Course	Taken	Course	Taken	Course	Taken
	Quarter/Year		Quarter/Year		Quarter/Year
CTW 1		PHYS 31*		Culture&Ideas III	(10?)
CTW 2		PHYS 32*		Civic Engag.	
Adv Wrtg	(8?)	Rel Theol Culture I		Elective	(8?)
Ethics		Rel Theol Culture II		Elective	(10?)
Diversity		Rel Theol Culture III	(9)	Elective	(11)
Arts		Social Science		Elective	(12)
Language I		Culture&Ideas I		Elective	
Language II		Culture&Ideas II		(Elective)	

EXPERIENTIAL LEARNING COURSE: \_\_\_\_\_

PATHWAY NAME: \_\_\_\_\_

Pathway Courses:                    1 \_\_\_\_\_                    2 \_\_\_\_\_                    3 \_\_\_\_\_                    4 \_\_\_\_\_

\* With Dept Chair's permission (for future secondary school teachers), Physics 11 and 12 may be taken instead. Students with interest in social sciences or economics may, with permission, substitute Economics 170, 171, or 173 for Physics 32.

NOTE: A student must take at least 12 Upper Division courses as noted below. These courses are noted in places marked by (1), (2), ... (12).

#### Class Status Summary:

Freshman    44 units (11 courses)  
 Sophomore   88 units  
 Junior        131 units  
 Senior        175 units

#### Graduation Requirements:

- 1) 175 units
- 2) 60 Upper Division units (at least 12-15 courses)
- 3) 2.0 GPA overall
- 4) 2.0 GPA in major/minor
- 5) Residency

**Check University Bulletin for complete information.**