

Requirements effective Fall 2016 for class of 2020+

Department of Mathematics and Computer Science

MATHEMATICS MAJOR Checklist

Student: _____

Department Requirements:

Course	Taken	Course	Taken	Course	Taken
	Quarter/Year		Quarter/Year		Quarter/Year
CSCI 10 & L		MATH 23 (or 22)		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)		

Legend:

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 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** & 32L		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 _____

* MATH 100 is highly recommended, if offered, but may not be taken to fulfill any mathematics and computer science upper-division requirements for students majoring in mathematics or computer science.

** 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.

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MATHEMATICS - Sample Curriculum

Quarter	Freshman	Sophomore	Junior	Senior
Fall	MATH 11	MATH 14	MATH 102 (or 105/153)	Rel Theol Cult III
	Rel Theol Culture I	MATH 51	Math (Upp Div)	Math (103/111)
	CTW I	Diversity	Advanced Writing	Elective
	Culture&Ideas I	Language I	(Elective)	(Elective)
Winter	MATH 12	MATH 52	UD Math Geom/Disc/AppI	Math (Upp Div)
	CSCI 10 & L	Social Science	Civic Engag.	Elective
	PHYS 31	Rel Theol Culture II	Elective	Elective
	Culture&Ideas II	Language II	(Elective)	(Elective)
Spring	MATH 13	MATH 23	Culture&Ideas III	Math (Upp Div)
	PHYS 32	MATH 53	Math (Upp Div)	Elective
	CTW II	Ethics	Elective	Elective
	Elective	Arts	(Elective)	(Elective)