

Mathematics, B.A. (120 Units)

Valid for Catalog Years: 2016/2017 to 2017/2018

*Official planning guide approved by the College of Science & Math

For assistance or to schedule an advising appointment, please contact the **CSM Advising and Resources Center** at 559-278-4150, Science I 136
Department of Mathematics: 559-278-2992, Peters Business 381

Units	Freshman		Sophomore		Junior		Senior	
	Fall 16-17	Spring 14-15	Fall 16-17	Spring 15-18	Fall 14-19	Spring 16-18	Fall 14-16	Spring 15-16
General Education	A1 (3 Units) Oral Communication *Must pass with a C or better	A3 (3 Units) Critical Thinking *Must pass with a C or better	C2 (3-4 Units) Humanities	C1/C2 (3-4 Units) Arts or Humanities	IB (3 Units) Physical Universe & Its Life Forms	D2 (3 Units) American Government	ID (3-4 Units) Social, Political, & Economic Institutions	MI (3 Units) Multicultural/International
	A2 (3 Units) Written Communication *Must pass with a C or better; ENGL 10 recommended	C1 (3-4 Units) Arts	D1 (3 Units) American History	D3 (3 Units) Social Science		IC (3-4 Units) Arts & Humanities		
	B2 (3-4 Units) Life Sciences		E1 (3 Units) Lifelong Understanding & Self Development					
Major	GE Area B4 MATH 75 (4 Units) Quantitative Reasoning *See course catalog for prerequisite requirements; see footnotes	GE Area B1 PHYS 4A (3 Units) Physical Sciences [Pre-Req: GE B4; MATH 76 (may be taken concurrently)] *See footnotes	MATH 77 (4 Units) [Pre-Req: MATH 76]	MATH 81 (3 Units) [Pre-Req: MATH 77]	CSCI 40 (4 Units) [Pre-Req: ELM or College Intermediate Algebra (C or better); trigonometry]	MATH 151 (4 Units) [Pre-Req: MATH 111]	MATH 171 (4 Units) [Pre-Req: MATH 111]	UD MATH Elective (3-4 Units) *Except MATH 100, 133, 134, 137, 138, & 139
		GE Area B3 PHYS 4AL (1 Unit) Lab [Co-Req: PHYS 4A] *See footnotes	MATH 111 (3 Units) [Pre-Req: MATH 76]	UD MATH Elective (3-4 Units) *Except MATH 100, 133, 134, 137, 138, & 139	MATH 152 (4 Units) [Pre-Req: MATH 77]	UD MATH Elective (3-4 Units) *Except MATH 100, 133, 134, 137, 138, & 139	UD MATH Elective (3-4 Units) *Except MATH 100, 133, 134, 137, 138, & 139	
		MATH 76 (4 Units) [Pre-Req: MATH 75 or MATH 75A & B]		UD MATH Elective (3-4 Units) *Except MATH 100, 133, 134, 137, 138, & 139	UD MATH Elective (3-4 Units) *Except MATH 100, 133, 134, 137, 138, & 139			

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Electives	Elective				UDWS (0-4 Units) *Upper Division Writing Exam OR "W" Course (must pass with a C or better)	Elective	Elective	Elective
								Elective
								Elective

FOOTNOTES:

Prerequisites/Corequisites: Other restrictions may apply. Please see your course catalog for detailed prerequisite/corequisite requirements.

MATH 75: MATH 75A & B may be taken in lieu of MATH 75.

PHYS 4A/4AL: PHYS 4AL is not required for the Mathematics major. If students wish to include PHYS 4A as a General Education Breadth course, they must also take PHYS 4AL.

Electives (8-26 units): Units in this area may be used toward a double major or minor. Students must earn a minimum of 120 units total to graduate. The number of required elective units may vary, depending on the amount of units earned from major and GE courses.

Upper Division Writing Skills requirement (UDWS): All undergraduate students must demonstrate competency in writing skills by passing the Upper Division Writing Exam (UDWE) or by obtaining a C or better in an approved upper division writing course, identified by the letter "W."