



B.S. in Mathematics
MATHBS.2012 (mrs 197)
48 credits, incl. 8 GE credits

Effective Date:8/2012

Name of Student:		
Student ID #:		Graduation Date
Home Country:	<input type="checkbox"/> IWORK	
Advisor:	Name	Date

The Mathematic major prepares students for careers in teaching, government service, industry, and research, or graduate study in mathematics.

Math 308, Math 490R, and additional courses in Computer Science, Physics, and Chemistry are strongly recommended.

Core **48 Credits**

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
MATH 112	Calculus I (GenEd)	5		F,W,S		
MATH 113	Calculus II (GenEd)	5	MATH 112	F,W		
MATH 214	Multivariable Calculus	5	MATH 113	W,S		
MATH 301	Foundations of Mathematics	3	MATH 112	F-even, W-odd*, S-odd		
MATH 321	Mathematical Statistics	3	MATH 214	F		
MATH 332	Introduction to Complex Variables	3	MATH 214	W-even*, S-even		
MATH 343	Elementary Linear Algebra	3	MATH 112	F-odd, W-even*, S-even		
MATH 371	Abstract Algebra I	3	MATH 301	F		
MATH 372	Abstract Algebra II	3	MATH 371	W		
MATH 334	Differential Equations	3	MATH 214	W-odd*, S-odd		
MATH 441	Introduction to Analysis I	3	MATH 214	F		
MATH 442	Introduction to Analysis II	3	MATH 441	W		

Choose 6 Credits from the Following

MATH 490R	Mathematics Seminar	2		S		
PHYS 121	General Physics I (GenEd)	3	MATH 112 or equivalent	F,S		
PHYS 122	General Physics II	3	PHYS 121	F,S		
PHYS 221	General Physics III	3	PHYS 121	W		
CIS 202	Object-Oriented Programming	3	CIS 101	F,W,S		

Total Credits Mapped for Graduation:

**Even-year or Odd-year listing of Winter courses determined by course start-date.*

Must have 2.0 average in these required courses for graduation.
No more than a “D” grade will be allowed in any 300/400 level courses.



B.S. in Math Education
MATHEDBS.2010 (mrs 404)
79 credits, incl. 11 GE credits

Effective Date: 05/2010

Name of Student:		
Student ID #:		Graduation Date
Home Country:	<input type="checkbox"/> IWORK	
Advisor:	Name	Date

Math Content **43 Credits**

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
CIS 101	Computer Programming I	3		F,W,S		
MATH 112	Calculus I (GenEd)	5	MATH 111 or equivalent background	F,W,S		
MATH 113	Calculus II (GenEd)	5	MATH 112	F,W		
MATH 214	Multivariable Calculus	5	MATH 113 or equivalent background	W,S		
MATH 221 OR MATH 321	Principles of Statistics I Mathematical Statistics (GenEd)	3	MATH 106 or 110 or equivalent background MATH 214	F,W,S F		
MATH 301	Foundations of Mathematics	3	MATH 112	F-odd, W-even*, S-even		
MATH 302	Foundations of Geometry	3	MATH 112 (co-requisite with consent of instructor)	F-odd		
MATH 308	Mathematics Using Technologies	3		S-even		
MATH 343	Elementary Linear Algebra	3	MATH 112	F-even, W-odd*, S-odd		
MATH 371 OR MATH 370	Abstract Algebra Foundations of Algebraic Systems	3	MATH 301	F variable		
MATH 377	Secondary Mathematic Teaching Methods	2	MATH 112 (or co-requisite)	F-even		
PHYS 121	General Physics I (GenEd)	3	MATH 112	F,S		
MATH 490	Mathematics Seminar	2	Senior Standing	S		

Education **36 Credits**

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
EDU 212	Foundations of Education	2		F,W,S		
SPED 200/300	Education of Exceptional Students	3		F,W,S		
PSYC 111	General Psychology (GenEd)	3		F,W,S		

Recommended Elective:

HWST 101	Intro. to Hawaiian Studies (GenEd)	3	Required for U.S. Teacher License	F,W,S		
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Apply to School of Education

Non License Track <input type="checkbox"/> All students begin in this track and can choose to stay here or apply by deadline for another track.	U.S. License Track <input type="checkbox"/> Priority Deadline: Submit SoEd application and passing PRAXIS I scores by: Feb 1 Oct 1	International Track <input type="checkbox"/> Priority Deadline: Submit SoEd application by: Feb 1 Oct 1
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Switch-Track Firm Deadline Feb 1 _____ Aug 1 _____ *No Exceptions*

EDU 300/200	Human Growth and Learning	2	PSYC 111, Admission to SOE	W,S		
EDU 305	Comp./Tech. Assisted Instruction	1	Pre-Prof. Area, Admission to SOE	F,W,S		
EDU 312	Effective Pedagogy	3	Pre-Prof. Area, Admission to SOE	F,W,S		
EDU 385	Education Assessment in the Classroom	3	Pre-Prof. Area, Admission to SOE	F,W,S		
SCED 301	Reading in the Content Area	2	Pre-Prof. Area, Admission to SOE	F,W		
SCED 330	Classroom Management	2	Pre-Prof. Area, Admission to SOE	F,W		
SCED 491	Observation and Practicum	3	EDU 312, All GE's	F,W		
SCED 492	Student Teaching	12	SCED 491	F,W		

Total Credits Mapped for Graduation:

**Even-year or Odd-year listing of Winter courses determined by course start-date.*

No grade below "C-" accepted