



University of Hawai'i at Mānoa
Colleges of Arts & Sciences Program Sheet 2012-2013
Bachelor of Science (BS) in Mathematics
Admissions: Open Process: Declaration
Min. Total Credits: 120 (96 in core & major + 24 in electives)

UHM General Education Core Requirements
Foundations
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
Diversification
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB
<input type="checkbox"/> DP
<input type="checkbox"/> DY
<input type="checkbox"/> DS
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
UHM Graduation Requirements
Focus
<input type="checkbox"/> H
<input type="checkbox"/> E (300+)
<input type="checkbox"/> O (300+)
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W (300+)
<input type="checkbox"/> W (300+)
Hawaiian / Second Language
<input type="checkbox"/> 101
<input type="checkbox"/> 102
<input type="checkbox"/> 201
<input type="checkbox"/> 202
Credit Minimums
• 120 total applicable
• 30 in residence at UHM
• 60 non-introductory
Grade Point Average
• 2.0 cumulative or higher (<i>Note: Other GPAs may be required.</i>)
• Good academic standing

Degree Requirements
Bachelor of Science Requirements
<input type="checkbox"/> MATH 215*FS or 241*FS
<input type="checkbox"/> MATH 216 or 242
<input type="checkbox"/> DB course
<input type="checkbox"/> CHEM 161*DP / <input type="checkbox"/> 161L*DY
<input type="checkbox"/> CHEM 162*DP / <input type="checkbox"/> 162L*DY
<input type="checkbox"/> PHYS 151*DP or 170*DP / <input type="checkbox"/> 151L*DY or 170L*DY
<input type="checkbox"/> PHYS 152*DP or 272*DP / <input type="checkbox"/> 152L*DY or 272L*DY
College Requirements
See degree requirements above.
Credit Maximums
• 8 KRS activity
• 9 Directed Reading / Research
• 12 Practicum / Internship

*This program sheet was prepared to provide information and does not constitute a contract. See back for major requirements.
 Meet regularly with your major advisor.*

Major Requirements for BS in Mathematics

Admission: Open

Application: NA

Min. major credits: BS = 39 (50 with related requirements)

Min. exit GPA: 2.0 GPA in the major

Min. C grade (not C-) in courses

Requirements

Mathematics Related Requirements (11-12 credits)

MATH 241*FS or 251A*FS

MATH 242 or 252A

MATH 243 or 253A

Mathematics Core Courses (see catalog for prerequisites)

BS (39 credits; see department for approved courses; see catalog for prerequisites)

MATH 190 or 407; or EE 160; or ICS 111 or 211

24 credits in MATH 300+ courses:

MATH 321 MATH 480 (CR/NC only; variable credits)

_____ _____ _____ _____

_____ _____ _____ _____

15 credits of additional MATH 300+ or approved non-introductory courses in natural or information sciences:

_____ _____ _____ _____

_____ _____ _____ _____

ICS 211 or MATH 407 may be included among the 15 additional credit hours.

BS Requirements Continued

The following requirements must be fulfilled in regards to the **39 above credits** (check completed):

6 credit hours in writing-intensive mathematics courses

6 credit hours in a sustained two-course sequence (see department for approved sequences)

Additional Mathematics Restrictions

Only two of MATH 301, 371, and 373 may be counted toward major requirements.

Only one of MATH 307 and 311 may be counted toward major requirements.

Mandatory advising each spring semester prior to fall registration. Advising every semester is recommended.

Notes

Colleges of Arts and Sciences Student Academic Services: QLCSS 113; (808) 956-8755

Mathematics Department: Keller 401-A; (808) 956-4680; office@math.hawaii.edu; www.math.hawaii.edu

Mathematics Undergraduate Advisor: Karl Heinz Dovermann, PhD; (808) 956-7811; Keller 419A; dover@hawaii.edu

There are some exceptions to the rules listed above. Detailed information is available in the department office and on the department website: http://www.advising.hawaii.edu/artsci/pages/resources/lib_art_degrees/majorskills/majorskills_math.asp#MATH_SCHED