



**University of Hawai'i at Mānoa**  
**Colleges of Arts & Sciences Program Sheet 2013-2014**  
**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
<b>Foundations</b>
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
<b>Diversification</b>
<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
<b>Focus</b>
<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+)
<b>Hawaiian / Second Language</b>
<input type="checkbox"/> 101
<input type="checkbox"/> 102
<input type="checkbox"/> 201
<input type="checkbox"/> 202
<b>Credit Minimums</b>
• 120 total applicable
• 30 in residence at UHM
• 60 non-introductory
<b>Grade Point Average</b>
• 2.0 cumulative or higher ( <i>Note: Other GPAs may be required.</i> )
• Good academic standing

Degree Requirements
<b>Bachelor of Science Requirements</b>
<input type="checkbox"/> MATH 215* <sup>FS</sup> or 241* <sup>FS</sup> or 251A* <sup>FS</sup>
<input type="checkbox"/> MATH 216 or 242 or 252A
<input type="checkbox"/> DB course
<input type="checkbox"/> CHEM 161* <sup>DP</sup> / <input type="checkbox"/> 161L* <sup>DY</sup>
<input type="checkbox"/> CHEM 162* <sup>DP</sup> / <input type="checkbox"/> 162L* <sup>DY</sup>
<input type="checkbox"/> PHYS 151* <sup>DP</sup> or 170* <sup>DP</sup> / <input type="checkbox"/> 151L* <sup>DY</sup> or 170L* <sup>DY</sup>
<input type="checkbox"/> PHYS 152* <sup>DP</sup> or 272* <sup>DP</sup> / <input type="checkbox"/> 152L* <sup>DY</sup> or 272L* <sup>DY</sup>
<b>College Requirements</b>
See degree requirements above.
<b>Credit Maximums</b>
• 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\*<sup>FS</sup> or 251A\*<sup>FS</sup>

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: Dale Myers, PhD; (808) 956-7811; Keller 419A; [dale@math.hawaii.edu](mailto:dale@math.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](http://www.advising.hawaii.edu/artsci/pages/resources/lib_art_degrees/majorskills/majorskills_math.asp#MATH_SCHED)