



University of Hawai'i at Mānoa
Colleges of Arts & Sciences Program Sheet 2016-2017
Bachelor of Science (BS) in Mathematics
Admissions: Open Process: Declaration
Min. Total Credits: 120 (98 in core & major + 22 in electives)

UHM General Education Core Requirements
Foundations
<input type="checkbox"/> FW ENG 100, 100A, 190, ESL 100, or AMST 111
<input type="checkbox"/> FS MATH 241 or 251A
<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 PHYS 151 or 170
<input type="checkbox"/> DY PHYS 151L or 170L
<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
• 45 upper division (300+ level) credits
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"/> Calculus I
<input type="checkbox"/> Calculus II
<input type="checkbox"/> Chemistry I with lab
<input type="checkbox"/> Chemistry II with lab
<input type="checkbox"/> Physics I with lab
<input type="checkbox"/> Physics II with lab
<i>Refer to major requirements for the specific courses that satisfy these requirements.</i>
College Requirements
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 = 41 (72 with related requirements)

Min. exit GPA: 2.0 GPA in the major

Min. C grade (not C-) in courses

Requirements

Related Requirements (31 credits)

MATH 241*^{FS} or 251A*^{FS}

MATH 242 or 252A

MATH 243 or 253A

MATH 244 or 253A

CHEM 161*^{DP} / 161L*^{DY}

CHEM 162*^{DP} / 162L*^{DY}

PHYS 170*^{DP} / 170L*^{DY}

PHYS 272*^{DP} / 272L*^{DY}

Mathematics Courses (41 credits; see department for approved courses; see catalog for prerequisites)

Students must demonstrate an understanding of algorithms and logic, as well as precision of thinking. See a Math Advisor for courses that satisfy this requirement. Courses that satisfy this may also be used to satisfy the 39 credits below if they qualify.

24 credits in MATH 300-479 courses:

MATH 311 or 307

MATH 321 _____ _____ _____

MATH 331 _____ _____ _____

15 credits of additional MATH 300-479 or approved non-introductory courses in natural or information sciences:

_____ _____ _____ _____

_____ _____ _____ _____

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 courses numbered above 400

/ 2 credits in MATH 480 (CR/NC only)

Additional Mathematics Restrictions

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

Mandatory advising each spring semester prior to fall registration.

Notes

College of Natural Sciences Advising: Bilger 102; (808) 956-6451

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

Mathematics Undergraduate Advisor: Keller 419 (808) 956-4679

There are some exceptions to the rules listed above. Detailed information is available in the department office and on the department