



University of Hawai'i at Mānoa
Colleges of Arts & Sciences Program Sheet 2017-2018
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

Mathematics Department Associate Chair/Undergraduate Advising: Keller 419; (808) 956-4679; office@math.hawaii.edu; www.math.hawaii.edu

Mathematics Department Main Office (Graduate Program Applicant Inquiries): Keller 401A; (808) 956-7951; office@math.hawaii.edu; www.math.hawaii.edu

Advising Center for the Colleges of Arts & Humanities and Languages, Linguistics & Literature: QLCSS 113; (808) 956-8755; advising@hawaii.edu

There may be exceptions to the major requirements listed above. Please schedule an advising appointment with Undergraduate Advising personnel, for more detailed information.