# Bachelor of Science (BS) in Microbiology

**Admissions:** Open  
**Process:** Declaration  
**Min. Total Credits:** 120 (105 in core & major + 15 in electives)

## UHM General Education Core Requirements

<table>
<thead>
<tr>
<th>Foundations</th>
<th>Diversification</th>
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<tr>
<td>FW</td>
<td>DA / DH / DL</td>
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<td>FS</td>
<td>DA / DH / DL</td>
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<td>FG (A / B / C)</td>
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<td>FG (A / B / C)</td>
<td>DP</td>
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<td>DY</td>
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<td>DS</td>
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* See degree, college and major requirements for courses that can also fulfill these.

## UHM Graduation Requirements

<table>
<thead>
<tr>
<th>Focus</th>
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<td>E (300+)</td>
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**Hawaiian / Second Language**

- 101
- 102
- 201
- 202

**Credit Minimums**

- 120 total applicable
- 30 in residence at UHM
- 60 non-introductory

**Grade Point Average**

- 2.0 cumulative or higher *(Note: Other GPAs may be required.)*
- Good academic standing

## Degree Requirements

<table>
<thead>
<tr>
<th>Bachelor of Science Requirements</th>
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<tbody>
<tr>
<td>MATH 215<em>FS or 241</em>FS</td>
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<tr>
<td>MATH 216 or 242</td>
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<tr>
<td>DB course</td>
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<tr>
<td>CHEM 161<em>DP / 161</em>DY</td>
</tr>
<tr>
<td>CHEM 162<em>DP / 162</em>DY</td>
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<tr>
<td>PHYS 151<em>DP or 170</em>DP / 151L*DY</td>
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<tr>
<td>PHYS 152<em>DP or 272</em>DP / 152L*DY</td>
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</tbody>
</table>

**College Requirements**

- See degree requirements above.

**Credit Maximums**

- 8 KRS activity
- 9 Directed Reading / Research
- 12 Practicum / Internship

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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 Microbiology

Admission: Open
Application: NA
Min. major credits: 36 (72 with related requirements)
Min. C grade (not C-) in all prerequisite courses

Requirements

Microbiology Related Requirements (36-37 credits)

- BIOL 171*DB / 171L*DY (offered Fall and Summer)
- BIOL 172*DB / 172L*DY (offered Spring and Summer)
- BIOL 275*DB / 275L*DY (offered Spring and Summer)
- CHEM 161*DP / 161L*DY
- CHEM 162*DP / 162L*DY
- CHEM 272*DP / 272L*DY
- CHEM 273*DP
- PHYS 151*DP / 151L*DY or 170*DP / 170L*DY
- PHYS 152*DP / 152L*DY or 272*DP / 272L*DY

Microbiology Core Courses (5 credits)

- MICR 351 / 351L

☐ BS (31 credits; see department for approved choices; see catalog for prerequisites)

Additional Related Requirements

- MBBE 402 or BIOC 441
- MATH 215 and 216 or 241 and 242/242L or 251A and 252A

Additional Microbiology Courses (9 credits)

- MICR 431
- MICR 461
- MICR 475

3 credits from Group 1: MICR 361, 401, 463, 470, 485, or 490

☐ __________

6 credits from Group 2: MICR 401L, 431L, 461L, 463L, 475L, 485L, 490L

☐ __________ ☐ __________ ☐ __________ ☐ __________

6 credits of approved Group 3 major electives:

☐ __________ ☐ __________ ☐ __________ ☐ __________

Notes

Colleges of Arts and Sciences Student Academic Services: QLCSS 113; (808) 956-8755
Microbiology Department: Snyder 207; (808) 956-8553; uhmicro@hawaii.edu; www.hawaii.edu/microbiology
Microbiology Undergraduate Chair: Stuart Donachie, PhD; Snyder 210; donachie@hawaii.edu
http://www.advising.hawaii.edu/artsci/pages/resources/lib_art_degrees/majorskills/majorskills_micr.asp#MICR_SCHED