### UHM General Education Core Requirements

<table>
<thead>
<tr>
<th>Categories</th>
<th>Requirements</th>
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</thead>
</table>
| **Foundations**     | ❑ FW  
                      ❑ FS  
                      ❑ FG (A / B / C)  
                      ❑ FG (A / B / C) |
| **Diversification** | ❑ DA / DH / DL  
                      ❑ DA / DH / DL  
                      ❑ DB  
                      ❑ DP  
                      ❑ DY  
                      ❑ DS  
                      ❑ DS |

* See degree, college and major requirements for courses that can also fulfill these.

### UHM Graduation Requirements

<table>
<thead>
<tr>
<th>Categories</th>
<th>Requirements</th>
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</thead>
</table>
| **Focus**           | ❑ H  
                      ❑ E (300+)  
                      ❑ O (300+)  
                      ❑ W  
                      ❑ W  
                      ❑ W  
                      ❑ W (300+)  
                      ❑ W (300+)  |
| **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

- *MATH 100, 112, 140, 161, 203, 215, 241, 251A; PHIL 110, 111; BUS 250; ICS 141, 241; NREM 203; or SOCS 150*(Students must still fulfill the General Education FS requirement.)*

### College Requirements

- *A & S Options – Complete at least one option*(Cannot double count with Gen. Ed. Core)*
  - ❑ AH  
  - ❑ LLL  
  - ❑ NS  
  - ❑ SS

- *Bachelor of Arts Breadth (3 credit each)*
  - ❑ AH  
  - ❑ LLL  
  - ❑ NS  
  - ❑ SS

- *Bachelor of Arts Depth – see list of A & S depts.*

### Minor

- Certificate

### 2nd A & S Major

### Credit Maximums

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

*This requirement does not apply to students entering UHM in Fall 2013 and continuing students who choose the new requirement. Contact your advisor if you have any questions.*

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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 BA in Microbiology

**Admission:** Open  
**Application:** NA  
**Min. major credits:** 27 (63 with related requirements)  
**Min. C grade (not C-)** in all prerequisite courses

#### Requirements

**Microbiology Related Requirements (36-37 credits)**

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

**Microbiology Core Courses (5 credits)**

- MICR 351 / 351L

**Additional Courses (22 credits; see department for approved choices; see catalog for prerequisites)**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Group 1: MICR 361, 401, 431, 461, 463, 470, 475, 485, 490</th>
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<tbody>
<tr>
<td>9</td>
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<tr>
<td>9</td>
<td>Group 3 major electives:</td>
</tr>
<tr>
<td>4</td>
<td>MATH 215* or 216* or 241* or 242*</td>
</tr>
</tbody>
</table>

#### 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

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