



University of Hawai'i at Mānoa
Colleges of Arts & Sciences Program Sheet 2017-2018
Bachelor of Science (BS) in Biology
Admissions: Open Process: Declaration
Min. Total Credits: 120 (109 in core & major + 11 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 215, 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 BIOL 171, 172 |
| <input type="checkbox"/> DP CHEM 161 |
| <input type="checkbox"/> DY BIOL 171L, 172L |
| <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 |
| • 35 non-introductory/25 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 Biology

Admission: Open

Application: NA

Min. major credits: 42-45 (76-82 with related requirements)

Minimum C grade (not C-) in all courses

Requirements

Biology Related Requirements (34-37 credits)

MATH 215*^{FS} or 241*^{FS} or 251A*^{FS}

MATH 216 or 242 or 252A

Additional Math (ECON 321*^{DS}; NREM 310; SOCS 225; MATH 243, 304, 372, 373, 472)

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

CHEM 162 / 162L

CHEM 272 / 272L

CHEM 273 (273L recommended)

PHYS 151*^{DP} or 170*^{DP} / 151L*^{DY} or 170L*^{DY}

PHYS 152 or 272 / 152L or 272L

Biology Core Courses (23 credits)

BIOL 171*^{DB} / 171L*^{DY}

BIOL 172*^{DB} / 172L*^{DY}

BIOL 275 / 275L (Fall and Summer)

BIOL 305

BIOL 375 / 375L (Spring only)

ZOOL 480 (Spring only)

Additional Biology Electives (19-22 credits)

Biochemistry or Molecular Biology course (BIOC 441; BIOL 402, 407)

Physiology course (BOT 420; MICR 431; PHYL 301; ZOOL 430)

Morphology and Biodiversity Lecture and Lab (BOT 420; /MICR 351/351L; PEPS 363/363L; ZOOL 320/320L, 475/475L)

9 credits from approved upper division biology electives:

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Notes

Department of Biology Advising: Edmondson 216; (808) 956-5911; bioadvis@hawaii.edu

To schedule an advising appointment, visit manoa.hawaii.edu/biology/advising.