### UHM General Education Core Requirements

**Foundations**
- FW: ENG 100, 100A, 190, ESL 100, or AMST 111
- FS: MATH 215, 241, or 251A
- FG (A / B / C)
- FG (A / B / C)

**Diversification**
- DA / DH / DL
- DA / DH / DL
- DB
- DP: CHEM 161
- DY: CHEM 161L
- DS
- DS

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

### Degree Requirements

**Bachelor of Science Requirements**
- Calculus I
- Calculus II
- Chemistry I with lab
- Chemistry II with lab
- Physics I with lab
- Physics II with lab

*Refer to major requirements for the specific courses that satisfy these requirements.*

**College Requirements**

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

### UHM Graduation Requirements

**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
- 45 upper division (300+ level) credits

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

---

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 Computer Science

**Admission:** Open  
**Application:** NA  
**Min. major credits:** BS = 50  
Min. B grade in ICS 111 and 211; min. C grade (not C-) in all other courses

### Requirements

#### Related Requirements (23-25 credits)

- MATH 215<sup>*</sup> or 241<sup>*</sup> or 251A<sup>*</sup>
- CHEM 216 or 242 or 252A
- CHEM 161<sup>DP</sup> or 161L<sup>DY</sup>
- PHYS 151<sup>DP</sup> or 170<sup>DP</sup> or 151L<sup>DY</sup> or 170L<sup>DY</sup>
- PHYS 152<sup>DP</sup> or 272<sup>DP</sup> or 152L<sup>DY</sup> or 272L<sup>DY</sup>

#### ICS Core Courses (31 credits)

- ICS 111 (minimum B grade or higher to advance)
- ICS 141<sup>*</sup>
- ICS 211 (minimum B grade or higher to advance)
- ICS 212 or ICS 215
- ICS 241
- ICS 311
- ICS 312 or ICS 331
- ICS 313 or ICS 361
- ICS 321
- ICS 332

#### Additional Courses (19 credits)

- ICS 314
- ICS 400+
- ICS 400+
- ICS 400+
- ICS 400+
- ICS 400+

### Notes

College of Natural Sciences Advising: Bilger 102; (808) 956-6451  
Information and Computer Sciences Department: POST 317; (808) 956-7420; icsinfo@hawaii.edu; www.ics.hawaii.edu  
ICS Undergraduate Advisor: Gerald Lau; POST 303A; (808) 956-5428; glau@hawaii.edu

---

Rev GL 12/15