### 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

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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 Computer Science

**Admission:** Open  
**Application:** NA  
**Min. major credits:** BS = 51  
**Min. B grade in ICS 111, 141, 211, and 241; min. C grade (not C-) in all other courses**

### Requirements

<table>
<thead>
<tr>
<th>ICS Core Courses (36 credits)</th>
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<tbody>
<tr>
<td>- ICS 111 minimum B (not B-) grade or higher to advance</td>
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<tr>
<td>- ICS 141* minimum B (not B-) grade or higher to advance</td>
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<tr>
<td>- ICS 211 minimum B (not B-) grade or higher to advance</td>
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<td>- ICS 212</td>
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<td>- ICS 241* minimum B (not B-) grade or higher to advance</td>
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<td>- ICS 311</td>
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<td>- ICS 314</td>
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<td>- ICS 321</td>
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<td>- ICS 332</td>
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<th>Two of:</th>
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<tr>
<td>- ICS 312 or ICS 331</td>
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<td>- ICS 313 or ICS 361</td>
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<td>- ICS 351 or ICS 451</td>
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<td>- ICS 355 (prerequisite: ICS 222)</td>
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<th>BS only (15 credits)</th>
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<tr>
<td>- ICS 400+</td>
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### Notes

Student Academic Success Center: Keller 213; (808) 956-5911; cnsadvis@hawaii.edu; www.hawaii.edu/natsci/advising  
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  
www.advising.hawaii.edu/artsci/pages/resources/lib_art_degrees/majorskills/majorskills_ics.asp#ICS_SCHED