



**University of Hawai'i at Mānoa**  
**Colleges of Arts & Sciences Program Sheet 2012-2013**  
**Bachelor of Science (BS) in Computer Science**  
**Admissions: Open Process: Declaration**  
**Min. Total Credits: 120 (108 in core & major + 12 in electives)**

<b>UHM General Education Core Requirements</b>
<b>Foundations</b>
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
<b>Diversification</b>
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB
<input type="checkbox"/> DP
<input type="checkbox"/> DY
<input type="checkbox"/> DS
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
<b>UHM Graduation Requirements</b>
<b>Focus</b>
<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+)
<b>Hawaiian / Second Language</b>
<input type="checkbox"/> 101
<input type="checkbox"/> 102
<input type="checkbox"/> 201
<input type="checkbox"/> 202
<b>Credit Minimums</b>
• 120 total applicable
• 30 in residence at UHM
• 60 non-introductory
<b>Grade Point Average</b>
• 2.0 cumulative or higher ( <i>Note: Other GPAs may be required.</i> )
• Good academic standing

<b>Degree Requirements</b>
<b>Bachelor of Science Requirements</b>
<input type="checkbox"/> MATH 215* <sup>FS</sup> or 241* <sup>FS</sup>
<input type="checkbox"/> MATH 216 or 242
<input type="checkbox"/> DB course
<input type="checkbox"/> CHEM 161* <sup>DP</sup> / <input type="checkbox"/> 161L* <sup>DY</sup>
<input type="checkbox"/> CHEM 162* <sup>DP</sup> / <input type="checkbox"/> 162L* <sup>DY</sup>
<input type="checkbox"/> PHYS 151* <sup>DP</sup> or 170* <sup>DP</sup> / <input type="checkbox"/> 151L* <sup>DY</sup> or 170L* <sup>DY</sup>
<input type="checkbox"/> PHYS 152* <sup>DP</sup> or 272* <sup>DP</sup> / <input type="checkbox"/> 152L* <sup>DY</sup> or 272L* <sup>DY</sup>
<b>College Requirements</b>
<b>A &amp; S Options - Complete at least one option</b>
See degree requirements above.
<b>Credit Maximums</b>
• 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 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

#### ICS Core Courses (31 credits)

ICS 111 (minimum B grade or higher to advance)

ICS 141\*FS

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

#### BS only (19 credits)

ICS 314

ICS 400+

ICS 400+

ICS 400+

ICS 400+

ICS 400+

### Notes

College of Arts & Sciences, Student Academic Services: QLCSS 113; (808) 956-8755

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

[http://www.advising.hawaii.edu/artsci/pages/resources/lib\\_art\\_degrees/majorskills/majorskills\\_ics.asp#ICS\\_SCHED](http://www.advising.hawaii.edu/artsci/pages/resources/lib_art_degrees/majorskills/majorskills_ics.asp#ICS_SCHED)