



**University of Hawai'i at Mānoa**  
**Colleges of Arts & Sciences Program Sheet 2013-2014**  
**Bachelor of Arts (BA) in Information and Computer Sciences**  
**Admissions: Open Process: Declaration**  
**Min. Total Credits: 120 (101 in core & major + 19 in electives)**

UHM General Education Core Requirements
<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>
UHM Graduation Requirements
<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 credits
<b>Grade Point Average</b>
• 2.0 cumulative or higher ( <i>Note: Other GPAs may be required.</i> )
• Good academic standing

Degree Requirements
<input type="checkbox"/> *MATH 100, 112, 140, 161, 203, 215, 241, 251A; PHIL 110, 111; BUS 250; ICS 141, 241; NREM 203; or SOCS 150 ( <i>Students must still fulfill the General Education FS requirement.</i> )
College Requirements
<b>*A &amp; S Options – Complete at least one option</b> <i>(Cannot double count with Gen. Ed. Core)</i>
<input type="checkbox"/> *Bachelor of Arts Breadth (3 credit each)
<input type="checkbox"/> AH
<input type="checkbox"/> LLL
<input type="checkbox"/> NS
<input type="checkbox"/> SS
<input type="checkbox"/> *Bachelor of Arts Depth – see list of A & S depts.
Minor
Certificate
2 <sup>nd</sup> A & S Major
<b>Credit Maximums</b>
• 8 KRS activity
• 9 Directed Reading / Research
• 12 Practicum / Internship
<i>*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.</i>

*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 Information and Computer Sciences

Admission: Open

Application: NA

Min. major credits: BA = 52

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\*<sup>FS</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

Courses differ for students pursuing the IT focus.

#### Approved Electives (21 credits)

ICS 400+

ICS 400+

ICS 400+

Courses differ for students pursuing the IT or Bioinformatics focus. Students interested in either option are referred to an ICS advisor.

#### *Four upper-division electives in an area of concentration (12 credits):*

300+

300+

300+

300+

A proposal identifying upper-division elective courses and how they form a coherent plan of study must be approved by an ICS advisor.

### 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)