University of Hawai‘i at Mānoa  
Colleges of Arts & Sciences Program Sheet 2017-2018  
Bachelor of Arts (BA) in Information and Computer Sciences  
General Track  
Admissions: Open  
Process: Declaration  
Min. Total Credits: 120 (91 in core & major + 29 in electives)

### UHM General Education Core Requirements

<table>
<thead>
<tr>
<th>Foundations</th>
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<tbody>
<tr>
<td>FW  ENG 100, 100A, 190, ESL 100, or AMST 111</td>
</tr>
<tr>
<td>FS  ICS 141</td>
</tr>
<tr>
<td>FG (A/B/C)</td>
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<td>FG (A/B/C)</td>
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<table>
<thead>
<tr>
<th>Diversification</th>
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<tr>
<td>DA / DH / DL</td>
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<td>DS</td>
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* See degree, college and major requirements for courses that can also fulfill these.

### UHM Graduation Requirements

<table>
<thead>
<tr>
<th>Focus</th>
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<tr>
<td>E (300+)</td>
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<td>O (300+)</td>
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| W                                                                     |
| W                                                                     |
| W                                                                      |
| W (300+)                                                              |
| W (300+)                                                              |

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<thead>
<tr>
<th>Hawaiian / Second Language</th>
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<tbody>
<tr>
<td>101</td>
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<td>102</td>
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<td>201</td>
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<td>202</td>
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<table>
<thead>
<tr>
<th>Credit Minimums</th>
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<tbody>
<tr>
<td>120 total applicable</td>
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<tr>
<td>30 in residence at UHM</td>
</tr>
<tr>
<td>45 upper division (300+ level) credits</td>
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<tr>
<th>Grade Point Average</th>
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<tr>
<td>2.0 cumulative or higher (Note: Other GPAs may be required.)</td>
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<tr>
<td>Good academic standing</td>
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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 BA in Information and Computer Sciences - General Track

Admission: Open
Application: NA

Min. major credits: BA = 51
Min. B (not B-) grade in ICS 111, 141, 211, and 241; min. C grade (not C-) in all other courses

Requirements

**ICS Core Courses (36 credits)**
- ICS 111 minimum B (not B-) grade or higher to advance
- ICS 141* minimum B (not B-) grade or higher to advance
- ICS 211 minimum B (not B-) grade or higher to advance
- ICS 212
- ICS 241* minimum B (not B-) grade or higher to advance
- ICS 311
- ICS 314
- ICS 321
- ICS 332

**Two of:**
- ICS 312 or ICS 331
- ICS 313 or ICS 361
- ICS 351 or ICS 451
- ICS 355 (prerequisite: ICS 222)

**General BA only (3 credits)**
- ICS 400+

**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

Student Academic Success Center; Keller 213; (808) 956-5911; cnsadvis@hawaii.edu; [www.hawaii.edu/natsci/advising](http://www.hawaii.edu/natsci/advising)
Information and Computer Sciences Department: POST 317; (808) 956-7420; icsinfo@hawaii.edu; [www.ics.hawaii.edu](http://www.ics.hawaii.edu)
ICS Undergraduate Advisor: Gerald Lau; POST 303A; (808) 956-5428; glau@hawaii.edu