Bachelor of Science (BS) in Computer Science
Security Science Track

Admissions: Open    Process: Declaration
Min. Total Credits: 120 (108 in core & major + 12 in electives)

### 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.

### UHM Graduation Requirements

**Focus**
- H
- E (300+)
- O (300+)
- 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

### 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

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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 with Security Science Track

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<th>Admission: Open</th>
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<tr>
<td>Application: NA</td>
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<td>Min. major credits: BS = 48</td>
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<td>Min. B (not B-) grade in ICS 111, 141, 211, and 241; min. C grade (not C-) in all other courses</td>
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### 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

#### The following two:
- ICS 351 or ICS 451
- ICS 355 (prerequisite: ICS 222)

#### BS Computer Science Security Science only (12 credits)
- ICS 423, ICS 425, ICS 426, ICS 455, ICS 495, EE 406
- ICS 423, ICS 425, ICS 426, ICS 455, ICS 495, EE 406
- ICS 423, ICS 425, ICS 426, ICS 455, ICS 495, EE 406
- ICS 423, ICS 425, ICS 426, ICS 455, ICS 495, EE 406

### 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
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