

University of Hawai‘i at Mānoa
College of Natural Sciences Program Sheet 2024-2025
Bachelor of Science (BS) in Computer Science
Creative Computational Media Track
Admissions: Open Process: Declaration
Min. Total Credits: 122 (122 in core & major + 0 in electives)

UHM General Education Core Requirements
Foundations
☐ FW ENG 100, 100A, 190, ESL 100, or AMST 111
☐ FQ* MATH 215, 241, or 251A
☐ FG (A / B / C)
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<i>*Note: This requirement changed in Fall 2018. If you entered the UH System prior to that, please see your college/school advisor.</i>
Diversification
☐ DA / DH / DL
☐ DA / DH / DL
☐ DB
☐ DP PHYS 151 or 170
☐ DY PHYS 151L or 170L
☐ DS
☐ DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
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

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
<i>Refer to major requirements for the specific courses that satisfy these requirements.</i>
Credit Maximums
• 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.*

Admission: Open
Application: NA
Min. major credits: BS = 62
Min. C grade (not C-) in all courses, except otherwise specified
Requirements
• MATH 215 or 241 or 251A (Calculus I) is a prerequisite for MATH 242. However, students must meet the grade requirement B (not B-) in MATH 215 to enroll in MATH 242. • MATH 241 or 251A (Calculus I) is a prerequisite for MATH 252A. However, students must meet the grade requirement B (not B-) in MATH 241 and receive consent to enroll in MATH 252A. • To enroll in all courses requiring Calculus II as their prerequisite (ICS 311, MATH 307, MATH 311 and MATH 372), students must take MATH 242 or 252A for their Calculus II requirement.
Required Courses (56 credits)
☐ ICS 110D
☐ ICS 111
☐ ICS 211
☐ ICS 212
☐ ICS 235 (Fall only)
☐ ICS 311 (Substitution allowed: ECE 367 can be a substitution for ICS 311)
☐ ICS 314
☐ ICS 321
☐ ICS 355
☐ ICS 369
☐ ICS 481
☐ ICS 487
☐ ICS 488
☐ ICS 496 in CCM
☐ MATH 301
☐ MATH 307 or 311
☐ MATH 372
Substitution allowed: (ICS 141 and ICS 241) can be a substitution for MATH 301 in the CCM Track. In that case, students must take a 300+ level course for one of the diversification courses (DA/DH/DL or DS).
☐ BS Computer Science Creative Computational Media only (6 credits)
The courses may include ICS courses or courses from other departments as long as they are approved by an ICS advisor and meet the minimum total of 6 credit hours.
☐ CCM Elective 400+ approved by ICS advisor
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Approved courses in ICS: ICS 464, ICS 482, ICS 484, ICS 485, ICS 486, ICS 489
College Advising: College of Natural Sciences Student Academic Success Center; Hamilton Library 002K; (808) 956-5911; cnsadv@hawaii.edu; natsci.manoa.hawaii.edu/sasc Information and Computer Sciences Department: POST 317; (808) 956-7420; icsinfo@hawaii.edu; https://www.ics.hawaii.edu/ ICS Undergraduate Advisor: Kenny Ka'aiakamanu-Quibilan; POST 303A; (808) 956-5428; kennydq@hawaii.edu Guyline Poisson; POST 303C; (808) 956-3496; guyline@hawaii.edu