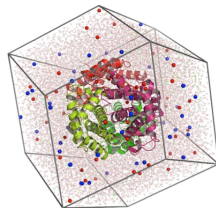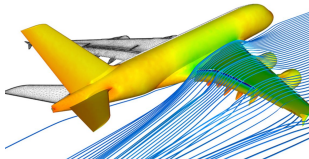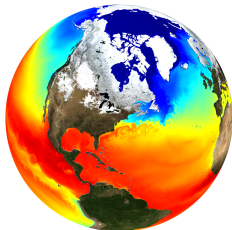Students can earn a BS in Math within the *Computational Science track* by completing certain Math and ICS courses that emphasize *modeling*, *simulation*, and *differential equations* while fulfilling the usual Math BS requirements.

Computational Science Track

Requirements for MATH BS, Computational Science Track

Students must complete PHYS 170/170L and PHYS 272/272L, as well as MATH 244 or 253A, and must complete 30 credit hours in mathematics courses numbered between 300 to 479 and 10 credit hours in related ICS courses including the following:

- MATH **304**, **305**, 307 or 311, 321, 331, **402**, **407**, **411**, **414**
- ICS **211**, **212**, **484**
- 6 credit hours in writing-intensive mathematics courses
- 12 credit hours in mathematics courses numbered above 400
- Students must also complete MATH 480 (CR/NC) (final year)

MATH **304**: Modeling I
MATH **305**: Modeling II
MATH **402**: Partial Diff. Eqs.
MATH **407**: Numerical Analysis
MATH **411**: Linear Algebra

MATH **414**: Optimization
ICS **211**: Intro to Computer Sci.
ICS **212**: Program Structure
ICS **484**: Data Visualization

Tutors and Graders

Tutors for the Math department earn money by helping students in calculus and pre-calculus courses.

- Tutors typically work 5-10 hours per week.
- Tutoring takes place at the Learning Emporium in Bilger 209.
- Minimum qualifications: MATH 243 or MATH 252A.

Graders earn money grading assignments for certain courses like MATH 243, 244, 302, 307, and 372.

- Graders typically work either 4 hours per week (if grading for one section) or 8 hours per week (if grading for two sections).

Interested in becoming a tutor or grader? Contact Evan Gawlik (egawlik@hawaii.edu).