

# University of Hawai‘i at Mānoa – Four-Year Academic Plan 2021-2022

## College of Natural Sciences

### Bachelor of Science (BS) in Mathematics

#### Computational Science Track

This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

| Year 1                  | Year 2                  | Year 3                  | Year 4                   |
|-------------------------|-------------------------|-------------------------|--------------------------|
| <b>Fall</b>             | <b>Fall</b>             | <b>Fall</b>             | <b>Fall</b>              |
| MATH 241 or 251A (FQ) 4 | MATH 243 or 253A 3      | MATH 331 3              | MATH 407 3               |
| ICS 111 4               | MATH 321 3              | CHEM 161 3              | ICS 484 3                |
| FW 3                    | PHYS 170 (DP) 4         | CHEM 161L 1             | Elective 300+ 3          |
| FG (A/B/C) 3            | PHYS 170L (DY) 1        | MATH 304 3              | Elective 300+ 3          |
| DA/DH/DL 3              | HSL 101 3               | DS 300+ 3               | DS 3                     |
|                         |                         | HSL 201 3               |                          |
| Credits 17              | Credits 14              | Credits 16              | Credits 15               |
| <b>Spring</b>           | <b>Spring</b>           | <b>Spring</b>           | <b>Spring</b>            |
| MATH 242 or 252A 4      | MATH 244 or 253A 3      | MATH 300+ or 400+ 3     | MATH 402 3               |
| ICS 211 4               | MATH 311 or 307 3       | MATH 411 3              | MATH 414 3               |
| DA/DH/DL 3              | PHYS 272 3              | CHEM 162 3              | MATH 480 2               |
| FG (A/B/C) 3            | PHYS 272L 1             | CHEM 162L 1             | DB 3                     |
|                         | ICS 212 3               | MATH 305 3              | Elective 300+ 1          |
|                         | HSL 102 3               | HSL 202 3               |                          |
| Credits 14              | Credits 16              | Credits 16              | Credits 12               |
| <b>Summer</b>           | <b>Summer</b>           | <b>Summer</b>           | <b>Summer</b>            |
|                         |                         |                         |                          |
| Credits 0               | Credits 0               | Credits 0               | Credits 0                |
| <b>Total Credits 31</b> | <b>Total Credits 61</b> | <b>Total Credits 93</b> | <b>Total Credits 120</b> |

**Notes:**

Students must see a Mathematics advisor prior to registration to discuss their academic plan options. Students must take placement exams to be able to register for CHEM 161 and MATH 241. Students must incorporate all focus requirements into this plan. Focus designations (i.e., W, E, O, H) are CRN specific and semester specific. Minimum 45 upper division credits are required.