



# University of Hawai'i at Mānoa - Four-Year Academic Plan 2012-2013

## Colleges of Arts and Sciences

### Bachelor of Science (BS) in Chemistry

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>
CHEM 161 (DP) 3 CHEM 161L (DY) 1 NI MATH 241 (FS) 4 FW 3 FG (A/B/C) 3	NI CHEM 272 3 NI CHEM 272L 2 NI MATH 243 3 NI PHYS 272 3 NI PHYS 272L 1 DA/DH/DL 3	NI CHEM 351 3 NI Biochemistry 3 DB 3 DA/DH/DL 3 HSL 102 3	NI CHEM 425 3 NI CHEM 425L 2 DS 3 NI HSL 202 3 Elective 3 Elective 3
Credits 14	Credits 15	Credits 15	Credits 17
<b>Spring</b>	<b>Spring</b>	<b>Spring</b>	<b>Spring</b>
CHEM 162 3 CHEM 162L 1 NI MATH 242 4 PHYS 170 4 PHYS 170L 1 FG (A/B/C) 3	NI CHEM 273 3 NI CHEM 273L 1 NI CHEM 274 3 NI CHEM 274L 2 HSL 101 3 Elective 3	NI CHEM 352 3 NI CHEM 352L 2 NI CHEM 422 3 DS 3 NI HSL 201 3	NI CHEM 445 3 NI CHEM 445L 2 NI CHEM Elective 3 Elective 3 Elective 3
Credits 16	Credits 15	Credits 14	Credits 14
<b>Summer</b>	<b>Summer</b>	<b>Summer</b>	<b>Summer</b>
Credits 0	Credits 0	Credits 0	Credits 0
<b>Total Credits 30</b>	<b>Total Credits 60</b>	<b>Total Credits 89</b>	<b>Total Credits 120</b>

**Notes:**

- Students must take placement exams to be able to register for CHEM 161 and MATH 215 or 241.
- CHEM 425/425L (Inorganic Chemistry) is offered only in the Fall; CHEM 445/445L (Organic Chemistry) is offered only in the Spring.
- Students must incorporate all focus requirements into this plan.
- 60 non-introductory credits are required for A&S Natural Sciences majors.