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| UHM General Education Core Requirements |
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| Foundations |
| * FW ENG 100, 100A, 190, ESL 100, or AMST 111 |
| * FQ\* MATH 215 or 241 |
| * FG (A / B / C) |
| * FG (A / B / C) |
| *\*Note: This requirement changed in Fall 2018. If you entered the UH System prior to that, please see your college/school advisor.* |
| Diversification |
| * DH HIST 394, 395, 436, 439; PHIL 308, or 316 |
| * DA / DL |
| * DB BIOL 171 |
| * DP CHEM 161, PHYS 170 |
| * DY CHEM 161L, BIOL 171L, PHYS 170L |
| * DS EDEF 310 |
| * DS EDEP 311 |
| *\* 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 |
| * W (300+) |
| * W (300+) |
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| Hawaiian / Second Language |
| * The Hawaiian or Second Language requirement is **not** required for students admitted to the College of Education. |
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| **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)* |
| * To graduate from COE, students must meet the college’s higher GPA requirement(s). |
| * Good academic standing |

*This program sheet was prepared to provide information and does not constitute a contract. Meet regularly with your department’s undergraduate advisor to ensure you are on track with your major requirements.*

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| College Requirements |
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| Licensure Track Admission Requirements |
| * Spring admission. |
| * Submit an application no later than the following: * **October 1** for spring semester   (Sept 1 priority deadline) |
| * 2.50 cumulative GPA in all post-secondary institutions |
| * 2.50 cumulative GPA in academic major |
| * 55 credits |
| * Completion of all UHM General Education Core and any additional Licensure Track Prerequisites. |
| * Applicants who have completed an articulated A.A. degree from a UH Community College are considered to have met the UHM General Education Core Requirements with possible exceptions (see an academic advisor). |
| * 40 hours of documented current group leadership involvement with secondary-aged youth. |
| * Personal admissions interview. |
| * Completion of all academic major courses |
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| **Licensure Track Prerequisites** |
| * BIOL 171\*DB / ❑ 171L\*DY |
| * CHEM 161\*DP or 171\*DP / ❑ 161L\*DY or 171L\*DY |
| * PHYS 170\*DP / ❑170L\*DY |
| * MATH 215\*FQ or 241\*FQ |
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| **Required Graduation Grade Point Averages** |
| * 2.50 cumulative GPA or higher |
| * 2.50 GPA or higher in the major |

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| **Major Requirements for BEd in Secondary Education** | | | | |
| Specialization: Chemistry | | | | |
| Admission to Licensure Track: Complete all General Education, Licensure Track prerequisites, and academic major. | | | | |
| Application: Deadline = October 1 for Spring entrance | | | | |
| Min. major credits: 78-79 (94 with related requirements) | | | | |
| Min. C grade (not C-) in Education courses | | | | |
| **Requirements** | | | | |
| **Chemistry Major Related Requirements (7 credits)** | | | | |
| **Related Courses** | | | | ❑ MATH 242 ❑ MATH 243 |
| **Professional Education Core Courses (36 credits)** | | | | |
| **Required Courses** | | | | ❑ EDEF 310\*DS ❑ EDEP 311\*DS ❑ ITE 401 ❑ ITE 402  ❑ ITE 403 ❑ ITE 404H ❑ ITE 405H ❑ ITE 406H  ❑ ITE 440 ❑ SPED 445 |
| *ITE 402 and 404H: concurrent registration required and courses are only offered in the Fall. ITE 405H & 406H: concurrent registration required; demonstrate content knowledge in subject area(s) in order to submit a Student Teaching Application.* | | | | |
| **Chemistry Academic Major and Related Courses in Teaching Field (42-44 credits)** | | | | |
| **Chemistry Academic Major Science Core Courses (22-23 credits)** | | | | |
| **Biology Foundation** | | | ❑ BIOL 172 /❑ BIOL 172L or higher | |
| **Chemistry Foundation** | | | ❑ CHEM 162 or 171/❑ CHEM 162L or 171L | |
| **Earth Science Foundation** | | | **7 credits** (must include one lab) of the following:  ❑ ASTR 110**or** ASTR 210 ❑ GG 101/101L **or** GG 103 **or** GG 104  ❑ ATMO 101/101L ❑ GG 102 ❑ GG 105  ❑ GG 106 ❑ GG 130 ❑ GG 170  ❑ GEOG 426 ❑ OCN 201/201L ❑ OEST 101 | |
| **Physics Foundation** | | | ❑ PHYS 272/❑ PHYS 272L | |
| **History/Philosophy of Science Foundation** | | | **3 credits** from the following: ❑ \_\_\_\_\_\_\_  HIST 394\*DH, 395\*DH, 436, 439; PHIL 308\*DH, 316\*DH; or PHIL/OCN 315\*DH | |
| **Chemistry Teaching Field Core Courses (17 credits)** | | | | |
| **Organic Chemistry** | | | ❑ CHEM 272/❑272L ❑ CHEM 273/ ❑ 273L | |
| **Analytical Chemistry** | | | ❑ CHEM 274/❑ 274L | |
| **Physical or Bio-organic Chemistry** | | | ❑ CHEM 351 or CHEM 372 | |
| **Chemistry Academic Major Additional Courses (3-4 credits )** | | | | |
| **Computer Science** | | | ❑ ICS 101 **or** ❑ LTEC 442 | |
| Optional Chemistry Academic Major Elective Courses: BIOL/MBBE 402/402L, BIOC 441/441L | | | | |
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| **Notes** | | | | |
| College of Education, Office of Student Academic Services: Everly 126; (808) 956-7915; osas@hawaii.edu; coe.hawaii.edu | | | |
| Interim Director:  Interim Associate Director:  Education Faculty Advisors: | Denise Nakaoka; Everly 126; (808) 956-4274; nakaoka@hawaii.edu  Denise Abara; Everly 126; (808) 956-5192; dabara@hawaii.edu  Alyssa Kapaona; Everly 126; (808) 956-4269; [akapaona@hawaii.edu](mailto:akapaona@hawaii.edu)  Reid Kuioka; Everly 126; (808) 956-5371; rkuioka@hawaii.edu  Karen Wilson; UH Ctr-Pālamanui; (808) 209-8031; (808) 984-3526; wilsonkl@hawaii.edu | | |
| Pu‘uhonua: Hale for Native Hawaiian Student Support, puuhonua@hawaii.edu  Puahia: First Year & Transfer Student Support, puahia@hawaii.edu  Tinalak: Filipino Student Support, tinalak@hawaii.edu | | | |

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