|  |
| --- |
| UHM General Education Core Requirements |
|  |
|  Foundations |
| * FW ENG 100, 100A, 190, ESL 100, or AMST 111
 |
| * FQ\* MATH 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 |
| * DA COMG 251
 |
| * DH / DL
 |
| * DB ***not*** *required for CE students.*
 |
| * DP CHEM 161, 162, PHYS 170, 272
 |
| * DY CHEM 161L, 162L, PHYS 170L, 272L
 |
| * DS ECON 120, 130, 131
 |
| * DS
 |
| *\* 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+)
 |
|  |
| Hawaiian / Second Language |
| * The Hawaiian or Second Language requirement is **not** required for students admitted to the College of Engineering.
 |
|  |
| **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
 |

*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. Advising is mandatory every semester for Engineering students.*

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| Degree Requirements |
|  |
| **Bachelor of Science Requirements** |
| * Calculus I & II
 |
| * General Chemistry I with lab & II
 |
| * General Physics I & II with labs
 |
|  |
| **College Requirements** |
|  |
| **Admission Requirements for Transfer Students** |
| * 3.0 cumulative GPA
 |
| * Completion of the following courses:
 |
| * + ENG 100\*FW
 |
| * + MATH 241\*FS
 |
| * + MATH 242
 |
| * + CHEM 161\*DP / 161L\*DY
 |
| * + CHEM 162
 |
| * + PHYS 170 / 170L
 |
|  |
| **Can fulfill DA** |
| * COMG 251
 |
|  |
| **Can fulfill DS** |
| * ECON 120, 130, or 131
 |
|  |
| **Math Requirements** |
| * MATH 241\*FQ
 |
| * MATH 242
 |
| * MATH 243
 |
| * MATH 244
 |
|  |
| **Natural Sciences Requirements** |
| * CHEM 161\*DP / ❑ 161L\*DY
 |
| * CHEM 162
 |
| * PHYS 170 / ❑ 170L
 |
| * PHYS 272 / ❑ 272L
 |
|  |
| **Grade Point Average** |
| * 2.0 GPA for all upper division (300+) mathematics, sciences, and engineering courses.
 |
|  |

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| **Major Requirements for BS in Engineering Science, Biomedical** |
| Admission: Open |
| Application: Required for students who do not apply straight into the program. |
| Min. major credits: 73 |
| Min. exit GPA: 2.0 overall and 2.0 in upper division technical course work. |
|  |
| **Requirements** |
| **Engineering Science, Biomedical Core Courses (64 credits)** |
|  ❑ BIOC 241 |
|  ❑ BIOL 171/❑ BIOL 171L |
|  ❑ CEE 270 (C, not C- or higher to adance)  |
|  ❑ CEE 271 or ME 271 |
|  ❑ CHEM 162L |
|  ❑ EE 160 or ICS 111 |
|  ❑ EE 211 |
|  ❑ KRS 463 |
|  ❑ MATH 302 |
|  ❑ MATH 372 |
|  ❑ ME 311  |
|  ❑ ME 322 |
|  ❑ ME 331 |
|  ❑ ME 371 or CEE 370 |
|  ❑ ME 375 |
|  ❑ ME 451 |
|  ❑ ME 481 |
|  ❑ ME 482 |
|  ❑ MICR 361 |
|  ❑ PHYL 141/❑ PHYL 141L |
|  |
| **Engineering Science, Aerospace Technical Elective Courses (9 credits)** |
|  ❑ Technical Elective |
|  ❑ Technical Elective |
|  ❑ Technical Elective |
|  |
| **Technical Elective Options (7 credits at the upper division level)** |
| * PHYL 142
* CHEM 272/272L, 273/273L
* KRS 663
* BE 373, 420
* EE 213, 323, 480 (students must complete EE 213 to take 323 and/or 480. All of these courses may count towards completing technical electives.)
* ME 341, 422, 423, 620, 630
 |
| **Notes** |
| College of Engineering: Holmes 250; (808) 956-8404; info@eng.hawaii.edu; www.eng.hawaii.eduDirector of Academic Affairs: Jill Nakatsu; Holmes 250; (808) 956-8404; jillkoba@hawaii.edu |

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