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| 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 |
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| **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 |
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| **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.edu  Director of Academic Affairs: Jill Nakatsu; Holmes 250; (808) 956-8404; jillkoba@hawaii.edu |

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