



University of Hawai'i at Mānoa
College of Engineering Program Sheet 2014-2015
Bachelor of Science (BS) in Computer Engineering
Admissions: Freshmen = Open / Transfer = Min. Criteria Process: Declaration
Min. Total Credits: 122 (122 in core & major + 0 in electives)

UHM General Education Core Requirements
Foundations
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
Diversification
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB <i>not required for CE students.</i>
<input type="checkbox"/> DP
<input type="checkbox"/> DY
<input type="checkbox"/> DS
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
UHM Graduation Requirements
Focus
<input type="checkbox"/> H
<input type="checkbox"/> E (300+)
<input type="checkbox"/> O (300+)
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W (300+)
<input type="checkbox"/> W (300+)
Hawaiian / Second Language
<ul style="list-style-type: none"> The Hawaiian or Second Language requirement is not required for students admitted to the College of Engineering.
Credit Minimums
<ul style="list-style-type: none"> 120 total applicable 30 in residence at UHM 45 upper division (300+ level) credits
Grade Point Average
<ul style="list-style-type: none"> 2.0 cumulative or higher (<i>Note: Other GPAs may be required</i>) Good academic standing

Degree Requirements
Bachelor of Science Requirements
<ul style="list-style-type: none"> Calculus I & II General Chemistry I with lab & II General Physics I & II with labs
College Requirements
Admission Requirements for Transfer Students
<ul style="list-style-type: none"> 3.0 cumulative GPA Completion of the following courses: <ul style="list-style-type: none"> ENG 100*^{FW} MATH 241*^{FS} MATH 242 CHEM 161*^{DP} / 161L*^{DY} CHEM 162*^{DP} PHYS 170*^{DP} / 170L*^{DY}
Can fulfill DA
<input type="checkbox"/> COMG 251
Can fulfill DS
<input type="checkbox"/> ECON 120, 130 or 131
Math Requirements
<input type="checkbox"/> MATH 241* ^{FS}
<input type="checkbox"/> MATH 242
<input type="checkbox"/> MATH 243
<input type="checkbox"/> MATH 244
Natural Sciences Requirements
<input type="checkbox"/> CHEM 161* ^{DP} / <input type="checkbox"/> 161L* ^{DY}
<input type="checkbox"/> CHEM 162* ^{DP}
<input type="checkbox"/> PHYS 170* ^{DP} / <input type="checkbox"/> 170L* ^{DY}
<input type="checkbox"/> PHYS 272* ^{DP} / <input type="checkbox"/> 272L* ^{DY}
Grade Point Average
<ul style="list-style-type: none"> 2.0 GPA for all upper division (300+) mathematics, sciences, and engineering courses.

*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.*

Major Requirements for BS in Computer Engineering

Admission: Open

Application: Required for students who do not apply straight into the program.

Min. major credits: 71

Min. exit GPA: 2.0 overall and 2.0 in upper division technical coursework.

Enrollment in EE courses requires a C- grade, or better, in all prerequisites.

Requirements

Computer Engineering Core Courses (56 credits)

- EE 160
- EE 205
- EE 211
- EE 213
- EE 260
- EE 315
- EE 323 / 323L
- EE 324
- EE 342
- EE 361 / 361L
- EE 468
- EE 367 / 367L
- EE 371
- EE 495
- ICS 141
- MATH 307
- PHYS 274

Computer Engineering Projects (6 credits)

- EE 296 (Sophomore standing)
- EE 396 (Junior standing)
- EE 496

Engineering Breadth (3 credits; one of the following options)

- CEE 270, ME 311, or a 300+ level course from CEE, ME, OE, or BE.
- 300+ physical, biological or computer science courses (with department's undergraduate curriculum committee approval).

Computer Engineering Technical Elective Courses (6 credits)

- Technical Elective
- Technical Elective

6 credits from the following courses, or 3 credits from the following courses and 3 credits of an EE 300+ course:

- EE 406, 469, 491(E,F,G), EE 344 (or ICS 451), EE 449 (or ICS 451), EE 461 (or ICS 431) EE 366, EE 467, ICS 311, 313, 314, 321, 414, 415, 421, 424, 425, 432, 441, 442, 461, 464, 465, 466, 469, 481

Notes

College of Engineering: Holmes 250; (808) 956-8404; info@eng.hawaii.edu; www.eng.hawaii.edu
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