University of Hawai'i at Mānoa
College of Engineering Program Sheet 2015-2016
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
- ❑ FW ENG 100, 100A, 190, or ESL 100
- ❑ FS MATH 241, 242
- ❑ FG (A / B / C)
- ❑ FG (A / B / C)

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

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*[DP]
  - PHYS 170*[DP] / 170L*[DY]

Math Requirements
- ❑ MATH 241*[FS]
- ❑ MATH 242
- ❑ MATH 243
- ❑ MATH 244

Natural Sciences Requirements
- ❑ CHEM 161*[DP] / ❑ 161L*[DY]
- ❑ CHEM 162*[DP]
- ❑ PHYS 170*[DP] / ❑ 170L*[DY]
- ❑ PHYS 272*[DP] / ❑ 272L*[DY]

Grade Point Average
- 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

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