### 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.
## 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 / EE 323L
- EE 324
- EE 342
- EE 361 / EE 361L
- EE 468
- EE 367 / EE 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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