# 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

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<th>Diversification</th>
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<td>DB not required for CE students.</td>
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* See degree, college and major requirements for courses that can also fulfill these.

## UHM Graduation Requirements

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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*DF / 161L*DY
  - CHEM 162*DF
  - PHYS 170*DF / 170L*DY

Can fulfill DA

- COMG 251

Can fulfill DS

- ECON 120, 130 or 131

### Math Requirements

- MATH 241*FS
- MATH 242
- MATH 243
- MATH 244

### Natural Sciences Requirements

- CHEM 161*DF / 161L*DY
- CHEM 162*DF
- PHYS 170*DF / 170L*DY
- PHYS 272*DF / 272L*DY

### Grade Point Average

- 2.0 GPA for all upper division (300+) mathematics, sciences, and engineering courses.

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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 / EE 323L
- EE 324
- EE 342
- EE 361 / EE 361L
- EE 468 (or ICS 412)
- 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 or biological science courses (with department’s undergraduate curriculum committee approval).

#### Computer Engineering Technical Elective Courses (6 credits)
- Technical Elective
- Technical Elective

#### Technical Elective Options
- 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, 321, 413, 414, 415, 421, 424, 425, 426, 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

Director of Academic Affairs: Tep Dobry, PhD; Holmes 240A; (808) 956-8404; tep@hawaii.edu

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