## Degree Requirements

### Bachelor of Science Requirements
- Calculus I
- Calculus II
- Chemistry I with lab
- Chemistry II with lab
- Physics I with lab
- Physics II with lab

Refer to major requirements for the specific courses that satisfy these requirements.

### College Requirements

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<td>9 Directed Reading / Research</td>
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### Focus

- H
- E (300+)
- O (300+)

- W PHYS 274L
- W MATH 311
- W PHYS 480L
- W (300+) PHYS 305 or 475 or 481L
- W (300+) PHYS 305 or 475 or 481L

### Hawaiian / Second Language

- 101
- 102
- 201
- 202

### 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

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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 Physics majors.
**Major Requirements for BS in Physics**

Admission: Open

Application: NA

Min. major credits: 49-51 in Physics courses (74-76 with related requirements)

Min. C grade (not C-) in all courses

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**Requirements**

**Physics Related Requirements (25 credits)**

- CHEM 161*DP / 161L*DY
- CHEM 162*DP / 162L*DY or 171/171L or 181A/181L
- MATH 241*FS
- MATH 242
- MATH 243
- MATH 244
- MATH 311 or 307

*MATH 251A*FS, 252A and 253A may be substituted for MATH 241-244.

*MATH 215*FS and 216 may be substituted for 241 and 242 with approval from physics advisor.

**Physics Core Courses (40 credits; see catalog for prerequisites)**

- PHYS 170*DP / 170L*DY
- PHYS 272*DP / 272L*DY
- PHYS 274*DP / 274L*DT
- PHYS 310
- PHYS 311
- PHYS 350
- PHYS 400
- PHYS 430
- PHYS 450
- PHYS 480 / 480L
- PHYS 481

**Additional Courses (9-11 credits; see catalog for prerequisites)**

2 courses from Group 1: PHYS 305, 475, 481L

1 course from Group 2: PHYS 440, 460, 490

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**Notes**

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