University of Hawai‘i at Mānoa  
Colleges of Arts & Sciences Program Sheet 2013-2014 
Bachelor of Science (BS) in Physics  
Admissions: Open  
Process: Declaration  
Min. Total Credits: 120 (108 in core & major + 12 in electives)

### UHM General Education Core Requirements

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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

- MATH 215* or 241* or 251A*
- MATH 216 or 242 or 252A
- DB course
- CHEM 161* or 161L* or 162L*
- CHEM 162* or 162L*
- PHYS 151* or 170* or 151L* or 170L* or 272* or 272L*

#### College Requirements

See degree requirements above.

#### Credit Maximums

- 8 KRS activity
- 9 Directed Reading / Research
- 12 Practicum / Internship

### Credit Minimums

- 120 total applicable
- 30 in residence at UHM
- 60 non-introductory

### 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.
Major Requirements for BS in Physics

Admission: Open
Application: NA
Min. major credits: 47 (72 with related requirements)
Min. C grade (not C-) in all courses

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 (38-39 credits; see catalog for prerequisites)
- PHYS 170*DP / 170L*DY
- PHYS 272*DP / 272L*DY
- PHYS 274*DP / 274L*DY
- PHYS 310
- PHYS 311
- PHYS 350
- PHYS 400
- PHYS 430
- PHYS 450
- PHYS 480 / 480L
- PHYS 481

Additional Courses (8-9 credits; see department for approved choices; see catalog for prerequisites)
5-6 credits from Group 1: PHYS 305, 475, 481L
- __________
- __________

3 credits from Group 2: PHYS 440, 460, 490
- __________

Notes

Colleges of Arts and Sciences Student Academic Services: QLCSS 113; (808) 956-8755
Physics Department: Watanabe 416; (808) 956-7087; physics@hawaii.edu; www.phys.hawaii.edu
Physics Undergraduate Advisors: Eric Szarmes; Watanabe 212; (808) 956-2923; szarmes@hawaii.edu
Michael Nassir; Watanabe 426; (808) 956-2922; nassir@hawaii.edu
Chester Vause; Watanabe 434; (808) 956-2989; cvause@hawaii.edu
http://www.advising.hawaii.edu/artsci/pages/resources/lib_art_degrees/majorskills/majorskills_phys.asp#PHYS_SCHED

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