



**University of Hawai'i at Mānoa**  
**Colleges of Arts & Sciences Program Sheet 2012-2013**  
**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
Foundations
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
Diversification
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB
<input type="checkbox"/> DP
<input type="checkbox"/> DY
<input type="checkbox"/> DS
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
UHM Graduation Requirements
Focus
<input type="checkbox"/> H
<input type="checkbox"/> E (300+)
<input type="checkbox"/> O (300+)
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W (300+)
<input type="checkbox"/> W (300+)
Hawaiian / Second Language
<input type="checkbox"/> 101
<input type="checkbox"/> 102
<input type="checkbox"/> 201
<input type="checkbox"/> 202
Credit Minimums
• 120 total applicable
• 30 in residence at UHM
• 60 non-introductory
Grade Point Average
• 2.0 cumulative or higher ( <i>Note: Other GPAs may be required.</i> )
• Good academic standing

Degree Requirements
Bachelor of Science Requirements
<input type="checkbox"/> MATH 215*FS or 241*FS
<input type="checkbox"/> MATH 216 or 242
<input type="checkbox"/> DB course
<input type="checkbox"/> CHEM 161*DP / <input type="checkbox"/> 161L*DY
<input type="checkbox"/> CHEM 162*DP / <input type="checkbox"/> 162L*DY
<input type="checkbox"/> PHYS 151*DP or 170*DP / <input type="checkbox"/> 151L*DY or 170L*DY
<input type="checkbox"/> PHYS 152*DP or 272*DP / <input type="checkbox"/> 152L*DY or 272L*DY
College Requirements
See degree requirements above.
Credit Maximums
• 8 KRS activity
• 9 Directed Reading / Research
• 12 Practicum / Internship

*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

*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 350

PHYS 400

PHYS 430

PHYS 450

PHYS 480 /  480L

Two of the following:  PHYS 305  PHYS 475  PHYS 481L

#### BS (9 credits)

PHYS 311

PHYS 481

PHYS 440, 460, or 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

[http://www.advising.hawaii.edu/artsci/pages/resources/lib\\_art\\_degrees/majorskills/majorskills\\_phys.asp#PHYS\\_SCHED](http://www.advising.hawaii.edu/artsci/pages/resources/lib_art_degrees/majorskills/majorskills_phys.asp#PHYS_SCHED)