



**University of Hawai'i at Mānoa**  
**Colleges of Arts & Sciences Program Sheet 2013-2014**  
**Bachelor of Arts (BA) in Physics**  
**Admissions: Open Process: Declaration**  
**Min. Total Credits: 120 (111 in core & major + 9 in electives)**

UHM General Education Core Requirements
<b>Foundations</b>
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
<b>Diversification</b>
<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
<b>Focus</b>
<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+)
<b>Hawaiian / Second Language</b>
<input type="checkbox"/> 101
<input type="checkbox"/> 102
<input type="checkbox"/> 201
<input type="checkbox"/> 202
<b>Credit Minimums</b>
• 120 total applicable
• 30 in residence at UHM
• 60 non-introductory
<b>Grade Point Average</b>
• 2.0 cumulative or higher ( <i>Note: Other GPAs may be required.</i> )
• Good academic standing

Degree Requirements
<input type="checkbox"/> *MATH 100, 112, 140, 161, 203, 215, 241, 251A; PHIL 110, 111; BUS 250; ICS 141, 241; NREM 203; or SOCS 150 ( <i>Students must still fulfill the General Education FS requirement.</i> )
<b>College Requirements</b>
<b>*A &amp; S Options – Complete at least one option</b> <i>(Cannot double count with Gen. Ed. Core)</i>
<input type="checkbox"/> *Bachelor of Arts Breadth (3 credit each)
<input type="checkbox"/> AH
<input type="checkbox"/> LLL
<input type="checkbox"/> NS
<input type="checkbox"/> SS
<input type="checkbox"/> *Bachelor of Arts Depth – see list of A & S depts.
Minor
Certificate
2 <sup>nd</sup> A & S Major
<b>Credit Maximums</b>
• 8 KRS activity
• 9 Directed Reading / Research
• 12 Practicum / Internship
<i>*This requirement does not apply to students entering UHM in Fall 2013 and continuing students who choose the new requirement. Contact your advisor if you have any questions.</i>

*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 BA in Physics

Admission: Open

Application: NA

Min. major credits: 41 (66 with related requirements)

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

### Requirements

#### Physics Related Requirements (25 credits)

CHEM 161\*<sup>DP</sup> /  161L\*<sup>DY</sup>

CHEM 162\*<sup>DP</sup> /  162L\*<sup>DY</sup> or 171/171L or 181A/181L

MATH 241\*<sup>FS</sup>

MATH 242

MATH 243

MATH 244

MATH 311 or 307

*MATH 251A\*<sup>FS</sup>, 252A and 253A may be substituted for MATH 241-244.*

*MATH 215\*<sup>FS</sup> 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\*<sup>DP</sup> /  170L\*<sup>DY</sup>

PHYS 272\*<sup>DP</sup> /  272L\*<sup>DY</sup>

PHYS 274\*<sup>DP</sup> /  274L\*<sup>DY</sup>

PHYS 310

PHYS 350

PHYS 400

PHYS 430

PHYS 450

PHYS 480 /  480L

#### Additional Courses (8-9 credits; see department for approved choices; see catalog for prerequisites)

**5-6 credits** from Group 1: PHYS 305, 475, 481L

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**3 credits** from Group 2: PHYS 440, 460, 481, 490

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### 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:

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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](http://www.advising.hawaii.edu/artsci/pages/resources/lib_art_degrees/majorskills/majorskills_phys.asp#PHYS_SCHED)