



University of Hawai'i at Mānoa
Colleges of Arts & Sciences Program Sheet 2016-2017
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 ENG 100, 100A, 190, ESL 100, or AMST 111
<input type="checkbox"/> FS MATH 241
<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 CHEM 161 or 171, or PHYS 170
<input type="checkbox"/> DY CHEM 161L or 171L, or PHYS 170L
<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+) PHYS 485
<input type="checkbox"/> O (300+)
<input type="checkbox"/> W PHYS 274L
<input type="checkbox"/> W MATH 311
<input type="checkbox"/> W PHYS 480L
<input type="checkbox"/> W (300+) PHYS 305 or 475 or 481L
<input type="checkbox"/> W (300+) PHYS 305 or 475 or 481L
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
• 45 upper division (300+ level) credits
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
• Calculus I
• Calculus II
• Chemistry I with lab
• Chemistry II with lab
• Physics I with lab
• Physics II with lab
<i>Refer to major requirements for the specific courses that satisfy these requirements.</i>
College Requirements
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. 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

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*^{DY}

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

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

Notes

Physics Department:

Watanabe 416; (808) 956-7087; physics@hawaii.edu; www.phys.hawaii.edu

Physics Undergraduate Advisors:

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