

## University of Hawai'i at Mānoa Colleges of Arts & Sciences Program Sheet 2014-2015

## **Bachelor of Science (BS) in Astrophysics**

Admissions: Open Process: Declaration Min. Total Credits: 123 (123 in core & major)

UHM General Education Core Requirements
Foundations
□ FW
□ FS
$\Box$ FG (A/B/C)
$\square$ FG (A/B/C)
Diversification
□ DA/DH/DL
□ DA/DH/DL
□ DB
□ DP
□ DY
□ DS
□ DS
* See degree, college and major requirements for courses that
can also fulfill these.
UHM Graduation Requirements
Focus
□ Н
□ E (300+)
□ O (300+)
□ W
□ W
□ W
□ W (300+)
□ W (300+)
Hawaiian / Second Language
□ 101
102
201
□ 202
Credit Minimums
• 120 total applicable
• 30 in residence at UHM
• 45 upper division (300+ level) courses
Grade Point Average
• 2.0 cumulative or higher (Note: Other GPAs may be
required.)
Good academic standing

Degree Requireme	nts
<b>Bachelor of Science</b>	e Requirements
☐ Calculus I	
☐ Calculus II	
☐ Chemistry I with	lab
☐ Chemistry II wit	h lab
☐ Physics I with la	b
☐ Physics II with la	ab
Refer to major requi	irements for the specific courses that
satisfy these require	ments.
College Requireme	ents
<b>Credit Maximums</b>	
<ul> <li>8 KRS activity</li> </ul>	
9 Directed Readi	ng / Research

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 Astrophysics
Admission: Open
Application: NA
Min. major credits: 62 in Physics and Astronomy courses (87 with related requirements)
Min. C grade (not C-) in all courses
Requirements
Astrophysics Related Requirements (25-26 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*FS, 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.
Astrophysics 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 311
□ PHYS 350
□ PHYS 450
□ PHYS 480
PHYS 485
ASTR 241 <sup>DP</sup>
□ ASTR 242 <sup>DP</sup>
□ ASTR 300 / □ 300L
□ ASTR 301
□ ASTR 423
☐ ASTR 494 (6 credits, distributed across two semesters)
Additional Courses (9 credits; see catalog for prerequisites)
1 course from Group 1: ASTR 320, 426, 430
2 courses from Group 2: PHYS 400, 460, 481, 490
Notes  Colleges of Arts and Sciences Student Academic Semices Of CSS 112: (202) 056-2755
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