

BACHELOR OF SCIENCE (BS)

2009-2010 ARTS & SCIENCES (A&S) PROGRAM REQUIREMENTS

Name: _____ Major: _____

UHM Undergraduate General Education Core and Graduation requirements are made up of Foundations, Diversification, Focus and Hawaiian/Second Language areas. Through this program requirements sheet, we have attempted to assist you in selecting courses that incorporate these requirements with Arts & Sciences college and degree requirements. We have also used General Education designation codes as a means of integrating UHM Core and Graduation requirements with Arts & Sciences college and degree requirements. This sheet is not a substitute for seeing an academic advisor. Come in for advising at least once a year and whenever you have questions. Advising can help you develop an educational plan, evaluate your academic progress, resolve issues, improve your academic performance, transition into a career or graduate school, and much more.

The CASSAS Advising Partnership

Rather than make decisions for students, advisors discuss options and help students connect with the campus community; advisors thereby assist students in identifying curricular choices while promoting a high degree of academic planning freedom. In this collaborative partnership, advisors both support and challenge students in order to encourage critical thinking, self-assessment, and in-depth reflection.

A&S Majors and a Liberal Arts Education

A liberal arts education offers a broad-based and integrated perspective on the world and human experiences; better self-understanding; societal, civic, and global knowledge; an independent and inquiring mind; a desire and capacity for life-long learning; and valuable transferable skills. For more information see "Liberal Arts and Transferable Skills" on the CASSAS website at <http://www.advising.hawaii.edu/artsci> or call (808)956-8755 to set up an appointment with an A&S advisor.

Note: Major requirements are not included in this program sheet. See your major department for a list of requirements and schedule a meeting with your department advisor (phone numbers on last page).

» A&S Credit and Grade Requirements

...allows students to experience a diverse curriculum while creating and achieving high-reaching academic goals, applicable to and often necessary for real world practices.

CREDITS

A minimum of **124 applicable college-level credits*** of which at least:

- **104** credits are from Arts & Sciences courses
- **60** credits are from non-introductory courses, which are courses that are:
 - a) 300-level or higher, or
 - b) 200-level with an explicitly stated course prerequisite, as indicated in the UHM Catalog. This course prerequisite must be at the college-level (i.e., 100-level and above).

NOTE: English literature courses numbered 250 through 257 have a course prerequisite but are considered INTRODUCTORY courses and DO NOT fulfill this non-introductory credit requirement.

- **30** credits are earned at UH Manoa

*Credits exceeding the following maximum credit levels cannot be applied to the 124 total credits requirement:

Directed Reading or Research (X99): 9 credits

KRS/KLS activity: 8 credits

Practicum: 12 credits

Non-UH system junior/community colleges: 60 credits

GRADES

Cumulative: Minimum 2.0 grade point average (GPA).

Arts & Sciences Program Requirements: "D" grade (not D-) or higher required to fulfill Arts & Sciences Program requirements.

Major: "C" grade (not C-) or higher in each course fulfilling a Major requirement and/or a minimum GPA as required by the Major department (see your Major department).

Minor/Certificate: "C" grade (not C-) or higher in each course fulfilling a Minor/Certificate requirement.

Credit/No Credit: Credit/No Credit option is limited to elective courses only. All courses used to fulfill requirements must be taken with the letter grade (A-F) option, unless the course is designated mandatory Credit/No Credit.

Applying for Graduation

1. Complete the five requirement areas for undergraduate degrees and remain in good academic standing (see "Requirements for Undergraduate Degrees from the Colleges of Arts & Sciences" in the UHM Catalog).
2. File for graduation one to two semesters in advance by
 - completing a goldenrod Graduation Worksheet with your major advisor;
 - completing the worksheet included in this Program Sheet;
 - completing a Certification of Minor/Certificate form, if pursuing a minor or certificate;
 - submitting the forms to the A&S Student Academic Services office in QLC 113 while signing up for a GRAD Session;
 - applying for graduation by attending a GRAD Session.
3. Pay the UHM diploma fee in order to receive a diploma and transcripts.

For all students interested in long-term academic planning, you may do a JUMP session (<http://www.advising.hawaii.edu/artsci/pages/JUMP/express.asp>) and sign up for a JUMP follow-up session with an A&S Academic Advisor.

BS 2009-2010 ARTS & SCIENCES PROGRAM REQUIREMENTS

This program requirements sheet was created to assist you in selecting courses that incorporate UHM General Education requirements with Arts & Sciences requirements. General Education designation codes are used as a means of integrating such requirements.

I. UNIVERSITY/COLLEGE DUAL FULFILLMENT

These requirements, designed to be taken in your first year, will help you build and hone proficiency in several fundamental areas: A writing course will introduce and sharpen the processes of composition and carrying out research. A course in problem solving will develop your quantitative and reasoning abilities. Two thematic courses, whether historical or contemporary, will help you understand the richness and complexity of human cultures. NOTE: There may be other courses that satisfy UHM General Education requirements but do not satisfy A&S degree requirements.

Written Communication/FW: One course*

English (ENG) 100, 100A, 190 or English Language Institute (ELI) 100

*For more information about fulfilling this requirement, visit <http://www.mwp.hawaii.edu>.

Symbolic Reasoning/FS: Two courses (Calculus I & II)

Math (MATH) 215, or 241, or 251A and 216, or 242, or 252A

Global & Multicultural Perspectives/FG: To satisfy this requirement students must take a total of two courses; each course must come from a different group. (Example: History 151 is from Group A and Anthropology 152 is from Group B.)

Group A: Anthropology (ANTH) 151; Art (ART) 175; History (HIST) 151, 161A; Women's Studies (WS) 175

Group B: American Studies (AMST) 150; Anthropology (ANTH) 152; Art (ART) 176; Geography (GEOG) 102; History (HIST) 152, 155, 162A; Women's Studies (WS) 176

Group C: Botany (BOT) 105; Geography (GEOG) 103 [151]†; Languages, Linguistics, & Literature (LLL) 150; Music (MUS) 107; Religion (REL) 150

†Former course number

Satisfying these requirements will provide you with a broad set of experiences from a diverse array of academic disciplines and intellectual traditions. You will cultivate techniques of critical inquiry, examine art, literature, societies, ideas and beliefs from multiple perspectives, and acquire first-hand knowledge of the natural sciences.

Arts and Humanities

Two courses, each selected from a different group: **Arts/DA****, **Humanities/DH****, **Literature & Language/DL****.

Natural Sciences

One course in the **Biological Sciences/DB****.

Series in both Chemistry and Physics with their associated labs/**DP**** & **DY**

Chemistry (CHEM): 161-161L & 162-261L or 171-171L or 181A-181L

Physics (PHYS): 151-151 & 152-152L or 170-170L & 272-272L

Social Sciences

Two **Social Sciences/DS**** courses, each from a different department.

**Diversification 3 cr. courses; any combination of these courses that totals 3 credits will be considered the equivalent of a one-semester course.

II. GRADUATION REQUIREMENTS

HAWAIIAN/SECOND LANGUAGE ...prepares students to become informed citizens with the ability to communicate in a global community.

FOCUS ...equips students with awareness and proficiency in essential areas, including written communication, contemporary ethical issues, oral communication, and Hawaiian, Asian and Pacific issues.

NATURAL SCIENCE MAJORS Important Registration Information

Coursework required for natural sciences majors is sequential in nature. This means that certain prerequisite courses need to be completed before you can continue to the next level. This is especially true for BS degree students. It is important that you start the major courses as a freshman in order to graduate in a timely fashion.

Students must complete placement/assessment examinations or meet other requirements to register for chemistry, math, physics, and biology courses. It is highly recommended that you take the examinations in time for registration. For more information, visit our website, <http://www.advising.hawaii.edu/artsci/NatSci/naturalsciences.asp>.

Requirements for Registration:

- Information on registering for the Chemistry Assessment Examination: <http://manoa.hawaii.edu/chem/index.php?id=29>
- Information on the Math Placement Examination: <http://www.math.hawaii.edu/home/Placement.html>
- Students planning to register for PHYS 151 must have prior credit for MATH 140 or pass the Math Placement Examination.
- Students planning to register for BIOL 171 and lab must have prior credits for or be concurrently registered for the appropriate chemistry course.

Please be aware of repeat rules when registering for courses. As advised by STAR, ensure you always verify your requirements with an academic advisor for accuracy.

I. UNIVERSITY & COLLEGE DUAL FULFILLMENT

This program requirements sheet was created to assist you in selecting courses that incorporate UHM General Education requirements with Arts & Sciences requirements. General Education designation codes are used as a means of integrating such requirements.

Written Communication/FW 1. _____

Symbolic Reasoning/FS: Calculus I & II 1. _____
2. _____

Global & Multicultural Perspectives/FG: Two courses, each from a different group.

Group A Group B Group C 1. _____
Group A Group B Group C 2. _____

Arts & Humanities: Two courses, each selected from a different group: The Arts/DA**, Humanities/DH** or Literature & Language/DL**.

DA DH DL 1. _____
DA DH DL 2. _____

Natural Sciences:

Biological Sciences/DB** 1. _____

Physical Sciences/DP and Labs/DY:** A series in both Chemistry and Physics, with labs.

Chemistry Series (CHEM): 161-161L & 162-162L or 171-171L or 181A-181L 1. _____ Lab _____
2. _____ Lab _____

Physics Series (PHYS): 151-151L & 152-152L or 170-170L & 272-272L 1. _____ Lab _____
2. _____ Lab _____

Social Sciences/DS:** Two courses, each from a different department.
1. _____
2. _____

**Diversification 3 cr. courses; any combination of these courses that totals 3 credits will be considered the equivalent of a one-semester course.

II. GRADUATION REQUIREMENTS

Hawaiian/Second Language: Completion of 202 or its equivalent.

Focus

Writing Intensive (W)

- 1. _____
- 2. _____
- 3. _____
- 4. _____**
- 5. _____**

Hawaiian, Asian and Pacific Issues (H)

- 1. _____

Contemporary Ethical Issues (E)

- 1. _____**

Oral Communication (O)

- 1. _____**

**upper division (300 or 400 level)
➤ See pg. 4 for transfer prorated chart

CREDITS	
Minimum Applicable of which:	124*
Arts & Sciences	104
Non-introductory (NI)	60
UHM	30
GRADES	
Minimum Cumulative	2.0
Major: See your department advisor.	
<small>*See p. 1 for credit maximums</small>	

Requirements That May Be Double-Dipped**

Requirements	Foundations	Diversification	Hawaiian or Second Language	Focus	Major *	Second * Major	Minor	Certificate	BS * (Calc/Chem/Phys)
Foundations	---	NO	NO	NO	YES	YES	NO	NO	YES
Diversification	NO	---	NO	YES	YES	YES	NO	NO	YES
Hawaiian/ Second Language	NO	NO	---	YES	NO	NO	NO	NO	NO
Focus	NO	YES	YES	---	YES	YES	YES	YES	YES
Major *	YES	YES	NO	YES	---	NO	NO	NO	YES
Second Major *	YES	YES	NO	YES	NO	---	NO	NO	YES
Minor	NO	NO	NO	YES	NO	NO	---	NO	NO
Certificate	NO	NO	NO	YES	NO	NO	NO	---	NO
BS * (Calc/Chem/Phys)	YES	YES	NO	YES	YES	YES	NO	NO	---

*Assumes A&S degree/major
 ** Adapted from UHM General Catalog

Prorating Focus Requirements for Transfer Students*

Non-UH-System Transfer Student Number of credits accepted upon transfer:					UH-System Transfer Student Number of credits accepted upon transfer:				
	H	E**	O**	W**		H	E**	O**	W**
0-36	1	1	1	5					
37-54	1	1	1	4	0-54	1	1	1	5
55-88	1	1	-OR- 1	3	55-88	1	1	-OR- 1	5
89+	1	0	0	2	89+	1	0	0	5

*Ka'ie'ie students are dual-enrolled and are therefore not prorated.
 **The 'E', 'O', and at least two 'W' courses must be upper division (300 or 400 level).

ARTS & SCIENCES MAJOR DEPARTMENTS THAT OFFER BACHELOR'S DEGREES

*American Studies (MOORE 324)	956-8570	*Interdisciplinary Studies (KRAUSS 116)	956-7297
*Anthropology (SAUND 346)	956-8415	Journalism (CRAW 320)	956-8881
*Art and Art History (ART 142)	956-8251	*Lang. & Lit. of Europe & the Americas (MOORE 483).....	956-8520
*Biology (DEAN 2)	956-8303	*Mathematics (KELL 401A)	956-4680
*Botany (ST JHN 101)	956-8369	*Microbiology (SNY 207)	956-8553
*Chemistry (BIL 239)	956-7480	*Music (MB 3)	956-7756
Communication (CRAW 320)	956-8881	*Philosophy (SAKAM D-301)	956-8649
*East Asian Lang. & Lit. (MOORE 382)	956-8940	*Physics (WAT 416)	956-7087
*Economics (SAUND 542)	956-8496	*Political Science (SAUND 640)	956-8357
*English (KUY 402)	956-7619	Psychology (GAR 110)	956-8414
*Ethnic Studies (GEORGE 301)	956-8086	*Religion (SAKAM A-309)	956-8299
*Indo-Pacific Lang. & Lit. (SPAL 255)	956-8672	*Sociology (SAUND 247)	956-7693
*Geography (SAUND 445)	956-8465	*Speech (GRG 326)	956-8202
*History (SAKAM A-203)	956-8486	*Theatre & Dance (KT 115)	956-7677
*Information & Computer Sciences (POST 317)	956-7420	*Women's Studies (SAUND 722)	956-6928
		*Zoology (EDM 152)	956-8617

*Departments that also offer Minors and/or Certificates (see A&S section of the UHM General Catalog for a complete list)