

BACHELOR OF SCIENCE (BS)

2010-2011 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.

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 schedule an appointment with an A&S advisor.

Student Learning Outcomes

CASSAS has developed learning outcomes for Arts and Sciences majors:

1. Students can develop and implement an academic and educational plan.
2. Throughout their academic career, students can identify and explain their interests strengths, values, and career/life goals.
3. Students understand how the A&S degree prepares them for success in their personal, academic, and professional lives.

A&S Credit and Grade Requirements*

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.

*See p. 3 for additional credit information.

Applying for Graduation

GRAD Sessions are **mandatory** group workshops for all Arts & Sciences seniors. A GRAD Session should be attended **prior** to the semester of graduation, and can be completed up to three semesters in advance. For more information, see http://www.advising.hawaii.edu/artsci/pages/seniors/grad_session.asp

For all other 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.

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.

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) 151; Languages, Linguistics, & Literature (LLL) 150; Music (MUS) 107; Religion (REL) 150

Satisfying these requirements will provide a broad set of experiences from a diverse array of academic disciplines and intellectual traditions.

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

Natural Sciences

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

Series in Chemistry and Physics with their associated labs/**DP** & DY:** Chemistry (CHEM): 161-161L & 162-162L or 171-171L or 181A-181L

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

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.

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).

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 That May Be Double-Dipped**									
Requirements	Foundations	Diversification	HSL	Focus	Major *	2nd* 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
H/SL	NO	NO	---	YES	NO	NO	NO	NO	NO
Focus	NO	YES	YES	YES	YES	YES	YES	YES	YES
Major *	YES	YES	NO	YES	---	NO	NO	NO	YES
2nd 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

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

CREDIT MINIMUMS	
Minimum Applicable of which:	124
Arts & Sciences	104*
Non-introductory (NI)	60
UHM	30
APPLICABLE CREDIT MAXIMUMS	
Practicum	12
Dir. read. & research	9
KRS activity	8
GRADES	
Minimum Cumulative	2.0
Major: See your department advisor.	
*Hawaiian language (HAW) credits can be applied toward this requirement.	

Arts & Sciences Colleges, Departments, & Disciplines									
	UG Deg.	Min.	Cer.	Phone: 956-		UG Deg.	Min.	Cer.	Phone: 956-
ARTS & HUMANITIES (AH), COLLEGE of					LANGUAGES, LINGUISTICS, & LITERATURE (LLL), COLLEGE of				
Acad. Creative Media (ACM)	BA			7736	East Asian Lang. & Lit. (EALL)				8940
American Studies (AMST)	BA	•		8570	Chinese (CHN)	BA	•	•	
Art & Art History (ART)	BA, BFA	•		8251	Japanese (JPN)	BA	•	•	
Dance (DNCE)	BA	•		7677	Korean (KOR)	BA	•	•	
Dance Theater (DNCE)	BFA				English (ENG)	BA	•		7619
History (HIST)	BA	•		8486	Professional Writing			•	
Music (MUS)	BA, BMus	•	•	7756	English Language Institute (ELI)				8479
Philosophy (PHIL)	BA	•		8649	Indo-Pacific Lang. & Lit. (IP)				8672
Islamic Studies**			•		Arabic (ARAB)				
Religion (REL)	BA	•		8299	Burmese (BURM)			•	
Speech (SP)	BA	•		8202	Cambodian (CAM)			•	
Theater (THEA)	BA	•		7677	Chamorro (CHAM)				
NATURAL SCIENCES (NS), COLLEGE of					Filipino (FIL)				
Astronomy (ASTR)				8312	Filipino Lang. & Culture	BA		•	
Biology (BIOL)	BA, BS	•		8303	Hindi (HNDI)	BA:IS*		•	
Marine Biology	BS				Ilokano (ILO)	BA		•	
Marine Option Program			•	8433	Ilokano Lang. & Culture		•		
Botany (BOT)	BA, BS	•		8369	Indo-Pacific			•	
Ethnobotany	BS				Indonesian (IND)	BA:IS*		•	
Chemistry (CHEM)	BA, BS	•		7480	Khmer	BA:IS*		•	
Info. & Comp. Sciences (ICS)	BA			7420	Lao (LAO)				
Computer Science	BS	•			Malay	BA:IS*		•	
Library & Info. Sciences (LIS)				7321	Maori (MAO)				
Mathematics (MATH)	BA, BS	•		4680	Pali (PALI)				
Mathematical Biology**			•		Philippine Lang. & Lit.	BA			
Microbiology (MICR)	BA, BS	•		8553	Prakrit (PRAK)				
Physics (PHYS)	BA, BS	•		7087	Samoan (SAM)	BA:IS*		•	
Zoology (ZOO)	BA, BS	•		8617	Sanskrit (SNSK)	BA:IS*		•	
SOCIAL SCIENCES (SS), College of					Tahitian (TAHT)				
Anthropology (ANTH)	BA	•		8415	Thai (THAI)	BA:IS*		•	
Communication (COM)	BA			8715	Tibetan (TIB)				
Economics (ECON)	BA	•		8496	Tongan (TONG)				
Ethnic Studies (ES)	BA		•	8086	Vietnamese (VIET)	BA:IS*		•	
Geography (GEOG)	BA	•		8465	Interpret. & Trans. Studies (TI)				6233
Journalism (JOUR)	BA			8881	Lang. & Lit. of Eur. & Am. (LLEA)				8520
Peace Studies (PACE)	BA:IS*		•	4237	Classics	BA		•	
Political Science (POLS)	BA	•		8357	French (FR)	BA		•	
Hum. Res./Org. Mgt.**			•		German (GER)	BA		•	
Law & Society			•		Greek (GRK)				
Social Sciences & Health**			•		Hebrew (HEB)				
Population Studies (PPST)				7693	Italian (ITAL)				
Psychology (PSY)	BA			8414	Latin (LATN)				
Public Administration (PUBA)				8260	Latin America & Iberian Studies			•	
Social Sciences (SOCS)				6570	Portuguese (PORT)				
Sociology (SOC)	BA	•		7693	Russian (RUS)	BA			
Urban & Reg. Plan. (PLAN)				7381	Russian Area Studies			•	4167
Women's Studies (WS)	BA		•	7464	Spanish (SPAN)	BA		•	
OTHER					Linguistics (LING)				
Arts & Sciences (CAS)				6460	Second Language Studies (SLS)	BA:IS*			8610
Environmental Studies	BA:IS*		•	7361	English as a Second Language	BA:IS*			
Interdisciplinary Studies (IS)	BA:IS*			7297	Pidgin & Creole Studies	BA:IS*		•	

*For bachelor degrees in these disciplines, also contact Interdisciplinary Studies (IS), 956-7297

**These certificates are also offered by other departments.