

MEMORANDUM OF UNDERSTANDING FOR COOPERATION BETWEEN
THE UNIVERSITY OF HAWAI'I AT HILO
AND
UNIVERSITY OF HAWAI'I
HAWAI'I COMMUNITY COLLEGE

The University of Hawai'i at Hilo (UH Hilo), and University of Hawai'i Hawai'i Community College (Hawai'i CC) (collectively, the "Parties") agree to cooperate on Natural Science Bachelor of Arts and Associate in Science in Natural Science, based on the principle of reciprocity.

This Memorandum of Understanding (MOU) serves to clarify expectations of each campus to facilitate the successful transfer of students in the Associate in Science (AS) in Natural Science, at Hawai'i CC to the Bachelor of Arts (BA) in Natural Science at UH Hilo, including specific education courses to prepare students for application into the Master of Arts (MA) in Teaching program. The goals of this partnership are to: (1) use resources at both institutions more efficiently and effectively to focus on transfer issues; (2) establish shared program responsibilities for student recruitment, academic advising and support to make the process of moving from one campus to the next as seamless as possible; and (3) expand student options for college success and curriculum by expanding on-campus services from Hawai'i CC and UH Hilo.

1. Students who graduate from Hawai'i CC with the articulated AS degree in Natural Science will be covered under the terms of this agreement. Hawai'i CC students transferring to UH Hilo without graduating with the articulated AS degree in Natural Science may be required to complete additional coursework for the BA degree at UH Hilo.
2. Requirements for both the AS degree and BA degrees are provided below (appendices I-III). These documents form the basis of this agreement; subsequent changes to the curricular requirements of either program may require revisions to this agreement. Changes in elective courses are not considered modifications.
3. Under the terms of this MOU, UH Hilo will do the following:
 - a. Identify a UH Hilo faculty member(s) who will serve as the faculty advisor to students in the Natural Science program.
4. Under the terms of this MOU, Hawai'i CC will do the following:

- a. Identify a student services advisor at Hawai'i CC who will partner with a UH Hilo advisor to ensure timely and accurate advising information on pre-admission, admission, degree requirements, and related matters.
 - b. Identify a Hawai'i CC faculty member(s) who will serve as the faculty advisor to students in the Natural Science program and consult with UH Hilo admissions and advising personnel when necessary.
5. Under the terms of this MOU, both Parties will do the following:
- a. Representatives from Hawai'i CC's ASNS program, and UH Hilo's Natural Sciences BA program and the School of Education should meet annually to discuss the program and any potential or planned curricular changes.
 - b. Make efforts to find financial sources for carrying out the agreed to activities on each campus.
 - c. Inform the other Party in a timely manner of identified advisors at the beginning of each Academic Year, and communicate any curriculum or other pertinent types of changes to advisors during the course of the Academic Year.
 - d. Inform the other Party in a timely manner of changes in campus, Department, or Program leadership and point of contact.
6. Nothing shall diminish the full autonomy of either institution, nor will any constraints or financial obligations be imposed by either upon the other in carrying out the MOU.
7. This MOU is in effect for five years and is subject to revision or modification by mutual written agreement. It is also understood that either institution may terminate the MOU at any time by giving written notice at least 6 (six) months in advance to the other Party to minimize impact on students completing their degrees. This MOU shall take effect from the date of the latest signature below.
8. Any notice or request given or made by one Party to the other under this MOU shall be in writing and shall be addressed to the appropriate office as is designated in writing hereinafter:

UNIVERSITY OF HAWAI'I AT HILO

Contact: Ken Hon, Vice Chancellor for Academic Affairs
Division of Academic Affairs

Address: 200 W. Kawili Street
Hilo, HI 96720

Phone: 808-932-7332

Email: vcaa@hawaii.edu

UNIVERSITY OF HAWAII
HAWAII COMMUNITY COLLEGE

Contact: Joni Onishi, Vice Chancellor of Academic Affairs
Division of Academic Affairs

Address: 200 W. Kawili Street
Building 346-122
Hilo, HI 96720

Phone: 808-934-7770

Email: jonishi@hawaii.edu

IN WITNESS WHEREOF, the Parties hereto have caused this MOU to be executed by their duly authorized representatives. Each Party shall hold one original signed MOU, with both documents being equally authentic.

For UNIVERSITY OF HAWAI'I AT HILO



Bonnie Irwin
Chancellor

Date: 7-8-20



Ken Hon
Interim Vice Chancellor for Academic Affairs

Date: 7 July 2020



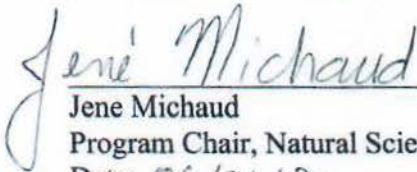
James Beets
Interim Dean, College of Natural and Health Sciences

Date: 7/6/20



Michael Bitter
Interim Dean, College of Arts and Sciences

Date: 06/26/2020



Jene Michaud
Program Chair, Natural Science

Date: 06/26/20



Diane Barrett
Director, School of Education

Date: 6-24-20

IN WITNESS WHEREOF, the Parties hereto have caused this MOU to be executed by their duly authorized representatives. Each Party shall hold one original signed MOU, with both documents being equally authentic.

For UNIVERSITY OF HAWAI'I: HAWAI'I COMMUNITY COLLEGE

Rachel Solemsaas

Rachel Solemsaas
Chancellor

Date: Jul 7, 2020

Joni Onishi

Joni Onishi
Vice Chancellor for Academic Affairs

Date: Jul 7, 2020

Melanie Wilson

Melanie Wilson
Dean of Liberal Arts and Public Services

Date: Jul 2, 2020



University of Hawai'i at Hilo – Four-Year Academic Plan 2019-2020
Colleges of Arts and Sciences
Bachelor of Arts (BA) in Natural Science, Chemistry Track, Secondary Ed Focus
Hawai'i CC ASNS Physical Science 2+2



This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1		Year 2		Year 3		Year 4	
Fall (Hawai'i CC)		Fall (Hawai'i CC)		Fall (UH Hilo)		Fall (UH Hilo)	
CHEM 161 (DP @ UHH)	3	PHYS 170	4	CHEM 274	3	CHEM 360	3
CHEM 161L (DY @ UHH)	1	PHYS 170L	1	CHEM 274L	2	Allied Science Elective [UD]	3
ENG 102 (Lang Arts @ UHH)	3	SCIENCE PSC Elect: BIOL 171	3	ED 210 (DS Social Sci II)	3	BIOL 125 or CHEM 241	3
MATH 241 (FQ @ UHH)	4	SCI LAB: BIOL 171L	1	MATH 115	3	GE GCC	3
DB Biol Sci Elective: BIOL 172	3	DA, DH, DL Arts, Hum, Lit I	3	Elective	3	WI Elective	3
SCI LAB: BIOL 172L	1	DS Social Sci Elective I	3				
Credits	15	Credits	15	Credits	14	Credits	15
Credits		Credits		Credits		Credits	
15		15		14		15	
Spring (Hawai'i CC)		Spring (Hawai'i CC)		Spring (UH Hilo)		Spring (UH Hilo)	
CHEM 162	3	PHYS 272	3	CHEM Focus [UD]	3	NSCI 476 [WI]	3
CHEM 162L	1	PHYS 272L	1	CHEM 320	3	Allied Science Elective [UD]	3
ENG 100 (FW Writ Com)	3	ERTH 101 (SCIENCE PSC Elect) (GEOL 111 @ UHH)	3	GEOL 112 (DB: Biol Sci)	3	ED Elective	3
MATH 242 (GQR @ UHH)	4	ERTH 101L (General Elective) (GEOL 111L @ UHH)	1	GEOL 112L	1	ED 310 or 350 (Allied Sci Elect)	3
HIST 151 or WS 175 (FGA)	3	GEOG 102, HIST 152 or WS 176 (FGB)	3	CHEM 141	3	GE HPP or Elective	3
		**General Elective	3	DA, DH, DL Arts, Hum, Lit II	3		
		**General Elective	3				
Credits	14	Credits	17	Credits	16	Credits	15
Credits		Credits		Credits		Credits	
14		17		16		15	
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
Credits		Credits		Credits		Credits	
0		0		0		0	
Total Credits	29	Total Credits	61	Total Credits	91	Total Credits	121
Total Credits		Total Credits		Total Credits		Total Credits	
29		61		91		121	

Notes:

****HawCC: Requires completion of 2 Writing Intensive (WI) courses (C or better) and a Hawaiian Asian Pacific (HAP) course for ASNS degree.**

1. Science Electives - AG 175, 175L, ASTR 110, 281, BIOC 141, BIOL 100, 100L, 101, 101L, 124, 124L, 156, 156L, 171, 171L, 172, 172L, 265, 265L, 275, 275L, BOT 101, 101L, 105, 105L, 130, 130L, EARTH 101, 101L, GEOG 101, 101L, 170, 170L, 270, 270L, 292V, MICR 130, 140L, OCN 201, 205, PHYL 141, 141L, 142, 142L, PHYS 105, SCI 292V, ZOO 101, 101L

Hawaii CC NSCI-PSC Advising Sheet: <https://hawaii.hawaii.edu/sites/default/files/advising-sheets/nsci-psc-19-20.pdf>

UH Hilo Degree Notes:

1. Students must earn at least a 2.0 GPA in courses required for the major.
2. To earn a Bachelor of Arts degree in Natural Science, students must fulfill the requirements for the major and meet all of the University's other baccalaureate degree requirements. (Please see the Baccalaureate Degree Requirements in this Catalog.)
3. At least 24 semester hours must be earned in courses at the 300- or 400-level for the BA Natural Science, Chemistry Track.
4. Students wishing to make timely progress toward graduation are urged to pay careful attention to all degree requirements.
5. In addition, when planning a schedule of courses, it is imperative to be aware of course prerequisites and the frequency with which courses are offered. This information is available in the course listings in this Catalog.

Revised
5/3/20



University of Hawai'i at Hilo – Four-Year Academic Plan 2019-2020
Colleges of Arts and Sciences
Bachelor of Arts (BA) in Natural Science, Physics Track, Secondary Ed Focus
Hawai'i CC ASNS Physical Science 2+2



This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1		Year 2		Year 3		Year 4	
Fall (Hawai'i CC)		Fall (Hawai'i CC)		Fall (UH Hilo)		Fall (UH Hilo)	
CHEM 161 (DP @ UHH)	3	PHYS 170	4	MATH 243	3	PHYS Focus Elective [UD]	3
CHEM 161L (DY @ UHH)	1	PHYS 170L	1	PHYS 274	3	Allied Science Elective [UD]	3
ENG 102 (Lang Arts @ UHH)	3	SCIENCE PSC Elect: BIOL 171	3	ED 210 (DS Social Sci II)	3	WI Elective	3
MATH 241 (FQ @ UHH)	4	SCI LAB: BIOL 171L	1	MATH 300	3	GE GCC	3
DB Biol Sci Elective: BIOL 172	3	DA, DH, DL Arts, Hum, Lit I	3	Elective	3	GE HPP	3
SCI LAB: BIOL 172L	1	DS Social Sci Elective I	3				
Credits	15	Credits	15	Credits	15	Credits	15
Spring (Hawai'i CC)		Spring (Hawai'i CC)		Spring (UH Hilo)		Spring (UH Hilo)	
CHEM 162	3	PHYS 272	3	PHYS 211 or PHYS 230	4	NSCI 476 [WI]	3
CHEM 162L	1	PHYS 272L	1	MATH 115	3	PHYS 371	3
ENG 100 (FW Writ Com)	3	ERTH 101 (SCIENCE PSC Elect)	3	GEOL 112 (DB: Biol Sci)	3	ED Elective	3
MATH 242 (GQR @ UHH)	4	(GEOL 111 @ UHH)	3	GEOL 112L	1	ED 310 or 350 (Allied Sci Elect)	3
HIST 151 or WS 175 (FGA)	3	ERTH 101L (General Elective)	1	DA, DH, DL Arts, Hum, LIT II	3	Elective	3
		(GEOL 111L @ UHH)	1				
		GEOG 102, HIST 152 or WS 176 (FGB)	3				
		General Elective (Rec: PHYS 105)	3				
		**General Elective	3				
Credits	14	Credits	17	Credits	14	Credits	15
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
Total Credits	29	Total Credits	61	Total Credits	90	Total Credits	120

Notes:

****HawCC: Requires completion of 2 Writing Intensive (WI) courses (C or better) and a Hawaiian Asian Pacific (HAP) course for ASNS degree.**

* Physical Science (PSC) Electives - AG 175, 175L, ASTR 110, 281, BIOC 141, BIOL 100, 100L, 101, 101L, 124, 124L, 156, 156L, 171, 171L, 172, 172L, 265, 265L, 275, 275L, BOT 101, 101L, 105, 105L, 130, 130L, EARTH 101, 101L, GEOL 101, 101L, 170, 170L, 270, 270L, 292V, MICR 130, 140L, OCN 201, 205, PHYL 141, 141L, 142, 142L, PHYS 105, SCI 292V, ZOOL 101, 101L

Hawaii CC NSCI-PSC Advising Sheet: <https://hawaii.hawaii.edu/sites/default/files/advising-sheets/ns-ci-psc-19-20.pdf>

UH Hilo Degree Notes:

1. Students must earn at least a 2.0 GPA in courses required for the major.
2. To earn a Bachelor of Arts degree in Natural Science, students must fulfill the requirements for the major and meet all of the University's other baccalaureate degree requirements. (Please see the Baccalaureate Degree Requirements in this Catalog.)
3. At least 21 semester hours must be earned in courses at the 300- or 400-level for the BA Natural Science, Physics Track.
4. Students wishing to make timely progress toward graduation are urged to pay careful attention to all degree requirements.
5. In addition, when planning a schedule of courses, it is imperative to be aware of course prerequisites and the frequency with which courses are offered. This information is available in the course listings in this Catalog.

Revised
5/3/20



University of Hawai'i at Hilo – Four-Year Academic Plan 2019-2020
Colleges of Arts and Sciences
Bachelor of Arts (BA) in Natural Science, Earth Science Track, Secondary Ed Focus
Hawai'i CC ASNS Physical Science 2+2



This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1	Year 2	Year 3	Year 4
Fall (Hawai'i CC)	Fall (Hawai'i CC)	Fall (UH Hilo)	Fall (UH Hilo)
CHEM 161 (DP @ UHH) 3 CHEM 161L (DY @ UHH) 1 ENG 102 (Lang Arts @ UHH) 3 MATH 241 (FQ @ UHH) 4 SCIENCE PSC Elect: BIOL 171 3 SCI LAB: BIOL 171L 1	PHYS 170 4 PHYS 170L 1 SCIENCE PSC Elect 3 SCI LAB 1 DA, DH, DL Arts, Hum, Lit I 3 DS Social Sci Elective I 3	ASTR 180 3 ASTR 110L 1 ED 210 (DS Social Sci II) 3 DA, DH, DL Arts, Hum, Lit II 3 Elective 3	MARE 201 3 MARE 201L 2 Allied Science Elective [UD] 3 GEOL 205 3 GE GCC 3 GE HPP, WI 1 <i>Apply for MAT Admission</i>
Credits 15	Credits 15	Credits 13	Credits 15
Spring (Hawai'i CC)	Spring (Hawai'i CC)	Spring (UH Hilo)	Spring (UH Hilo)
CHEM 162 3 CHEM 162L 1 ENG 100 (FW Writ Com) 3 MATH 242 (GQR @ UHH) 4 HIST 151 or WS 175 (FGA) 3 DB Biol Sci Elective: BIOL 172 3 SCI LAB: BIOL 172L 1	PHYS 272 3 PHYS 272L 1 ERTH 101 (SCIENCE PSC Elect) (GEOL 111 @ UHH) 3 ERTH 101L (General Elective) (GEOL 111L @ UHH) 1 GEOG 102, HIST 152 or WS 176 (FGB) 3 **General Elective 3 **General Elective 3	ASTR 181 3 MATH 115 3 GEOL 112 (DB: Biol Sci) 3 GEOL 112L 1 GEOG 300 3 Earth Sci Focus Elective [UD] 3	NSCI 476 [WI] 3 GEOL 300 3 ED Elective 3 ED 310 or 350 (Allied Sci Elect) 3 Allied Science Elective [UD] 3
Credits 18	Credits 17	Credits 16	Credits 15
Summer	Summer	Summer	Summer
Credits 0	Credits 0	Credits 0	Credits 0
Total Credits 33	Total Credits 65	Total Credits 94	Total Credits 124

Notes:

****HawCC: Requires completion of 2 Writing Intensive (WI) courses (C or better) and a Hawaiian Asian Pacific (HAP) course for ASNS degree.**

*Physical Science (PSC) Electives - AG 175, 175L, ASTR 110, 281, BIOG 141, BIOL 100, 100L, 101, 101L, 124, 124L, 156, 156L, 171, 171L, 172, 172L, 265, 265L, 275, 275L, BOT 101, 101L, 105, 105L, 130, 130L, EARTH 101, 101L, GEOG 101, 101L, 170, 170L, 270, 270L, 292V, MICR 130, 140L, OCN 201, 205, PHYL 141, 141L, 142, 142L, PHYS 105, SCI 292V, ZOOL 101, 101L

Hawaii CC NSCI-PSC Advising Sheet: <https://hawaii.hawaii.edu/sites/default/files/advising-sheets/ns-ci-psc-19-20.pdf>

UH Hilo Degree Notes:

1. Students must earn at least a 2.0 GPA in courses required for the major.
2. To earn a Bachelor of Arts degree in Natural Science, students must fulfill the requirements for the major and meet all of the University's other baccalaureate degree requirements. (Please see the Baccalaureate Degree Requirements in this Catalog.)
3. At least 24 semester hours must be earned in courses at the 300- or 400-level for the BA Natural Science, Earth Science Track.
4. Students wishing to make timely progress toward graduation are urged to pay careful attention to all degree requirements.
5. In addition, when planning a schedule of courses, it is imperative to be aware of course prerequisites and the frequency with which courses are offered. This information is available in the course listings in this Catalog.

Revised
5/3/20



University of Hawai'i at Hilo – Four-Year Academic Plan 2019-2020
Colleges of Arts and Sciences
Bachelor of Arts (BA) in Natural Science, Biology Track, Elementary Ed Focus
Hawai'i CC ASNS Biological Science 2+2



This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1		Year 2		Year 3		Year 4	
Fall (Hawai'i CC)		Fall (Hawai'i CC)		Fall (UH Hilo)		Fall (UH Hilo)	
BIOL 171	3	PHYS 151	3	BIOL 280	3	Biology Focus Elective [UD]	3
BIOL 171L	1	PHYS 151L	1	BIOL 357	3	GE GQR Quant Reas II	3
CHEM 161 (DP @ UHH)	3	GEOG 102 or HIST 152 or WS 176 (FGB)	3	GEOL 111L or Elective	1	BIOL 125 or 270	3
CHEM 161L (DY @ UHH)	1	BIOL 265 (UHH BIOL 281)	3	ED 210 (DS: Social Sci II, GCC)	3	ED 341^ (Upper Elective)	3
ENG 100 (FW: Writ Com)	3	BIOL 265L	1	Elective	3	ED 343^ (Elective)	3
ENG 102 (Lang Arts @ UHH)	3	MATH 241 (FQ @ UHH)	4				
Credits	14	Credits	15	Credits	13	<i>Apply to MAT Program</i>	
Credits		Credits		Credits		Credits	
14		15		13		15	
Spring (Hawai'i CC)		Spring (Hawai'i CC)		Spring (UH Hilo)		Spring (UH Hilo)	
BIOL 172	3	SCIENCE BSC Elective* (ERTH 101 + EARTH 101L)	4	GEOL 112 (DB Biol Sci)	3	NSCI 476 [WI]	3
BIOL 172L	1	DA, DH, or DL Arts, Hum or Lit I	3	GEOL 112L	1	Allied Science Elective [UD]	3
CHEM 162	3	DS Social Science I	3	Allied Science Elective [UD]	3	ED 347^ (Elective)	3
CHEM 162L	1	**General Elective	3	Biology Focus Elective [UD]	3	ED 310 or 350 Allied Science Elective [UD]	3
HIST 151 or WS 175 (FGA)	3	**General Elective	3	DA, DH or DL Arts, Hum Lit II	3	GE HPP (Rec: GEOG 120)	3
SCIENCE BSC Elective* (MICR 130 & MICR 140L- UHH BIOL 275-275L)	5			PHYS 152	3		
				PHYS 152L	1		
Credits	16	Credits	16	Credits	17	Credits	15
Credits		Credits		Credits		Credits	
16		16		17		15	
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
Credits		Credits		Credits		Credits	
0		0		0		0	
Total Credits	30	Total Credits	61	Total Credits	91	Total Credits	121

Notes:

****HawCC: Requires completion of 2 Writing Intensive (WI) courses (C or better) and a Hawaiian Asian Pacific (HAP) course for ASNS degree.**

* Biological Sciences (BSC) Electives: AG 175, 175L, ASTR 110, 281, BIOC 141, BIOL 100, 100L, 124, 124L, 156, 156L, 265, 265L, 275, 275L, BOT 101, 101L, 105, 105L, 130, 130L, EARTH 101, 101L, GEOG 101, 101L, 170, 170L, 270, 270L, 292V, MICR 130, 140L, OCN 201, 205, PHYL 141, 141L, 142, 142L, PHYS 100, 100L, 105, SCI 292V, ZOOL 101, 101L

ASNS-BSC Advising Sheet: <https://hawaii.hawaii.edu/sites/default/files/advising-sheets/ns-ci-19-20.pdf>

^ ED 341, 343 and 347 are Required for Application into the MAT Program

UH Hilo Degree Notes:

1. Students must earn at least a 2.0 GPA in courses required for the major.
2. To earn a Bachelor of Arts degree in Natural Science, students must fulfill the requirements for the major and meet all of the University's other baccalaureate degree requirements. (Please see the Baccalaureate Degree Requirements in this Catalog.)
3. At least 24 semester hours must be earned in courses at the 300- or 400-level for the BA Natural Sciences, Biology Track.
4. Students who are interested in earning a Certificate in Educational Studies should contact the School of Education for Advising at (808) 932-7102.

Revised
5/3/20



University of Hawai'i at Hilo – Four-Year Academic Plan 2019-2020
Colleges of Arts and Sciences
Bachelor of Arts (BA) in Natural Science, Biology Track, Secondary Ed Focus
Hawai'i CC ASNS Biological Science 2+2



This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1		Year 2		Year 3		Year 4	
Fall (Hawai'i CC)		Fall (Hawai'i CC)		Fall (UH Hilo)		Fall (UH Hilo)	
BIOL 171	3	PHYS 151	3	BIOL 280	3	Biology Focus Elective [UD]	3
BIOL 171L	1	PHYS 151L	1	BIOL 357	3	GE GQR Quant Reas II	3
CHEM 161 (DP @ UHH)	3	GEOG 102 or HIST 152 or WS 176 (FGB)	3	Elective	1	BIOL 125 or 270	3
CHEM 161L (DY @ UHH)	1	BIOL 265 (UHH BIOL 281)	3	ED 210 (DS: Social Sci II)	3	Upper Elective	3
ENG 100 (FW: Writ Com)	3	BIOL 265L	1	GE GCC	3	Elective	3
ENG 102 (Lang Arts @ UHH)	3	MATH 241 (FQ @ UHH)	4				
Credits	14	Credits	15	Credits	13	<i>Apply to MAT Program</i>	
Credits		Credits		Credits		Credits	
14		15		13		15	
Spring (Hawai'i CC)		Spring (Hawai'i CC)		Spring (UH Hilo)		Spring (UH Hilo)	
BIOL 172	3	ERTH 101 (SCIENCE BSC Elect) (GEOL 111 @ UHH)	3	GEOL 112 (DB Biol Sci)	3	NSCI 476 [WI]	3
BIOL 172L	1	ERTH 101L (General Elective) (GEOL 111L @ UHH)	1	GEOL 112L	1	Allied Science Elective [UD]	3
CHEM 162	3	DA, DH, or DL Arts, Hum or Lit I	3	Allied Science Elective [UD]	3	ED Elective	3
CHEM 162L	1	DS Social Science I	3	Biology Focus Elective [UD]	3	ED 310 or 350 (Allied Science Elective)	3
HIST 151 or WS 175 (FGA)	3	**General Elective	3	DA, DH or DL Arts, Hum Lit II	3	GE HPP	3
SCIENCE BSC Elective: (MICR 130 & MICR 140L- UHH BIOL 275-275L)	5	**General Elective	3	PHYS 152	3		
				PHYS 152L	1		
Credits	16	Credits	16	Credits	17	Credits	15
Credits		Credits		Credits		Credits	
16		16		17		15	
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
Credits		Credits		Credits		Credits	
0		0		0		0	
Total Credits	30	Total Credits	61	Total Credits	91	Total Credits	121

Notes:

****HawCC: Requires completion of 2 Writing Intensive (WI) courses (C or better) and a Hawaiian Asian Pacific (HAP) course for ASNS degree.**

* Biological Sciences (BSC) Electives: **AG** 175, 175L, **ASTR** 110, 281, **BIOC** 141, **BIOL** 100, 100L, 124, 124L, 156, 156L, 265, 265L, 275, 275L, **BOT** 101, 101L, 105, 105L, 130, 130L, **ERTH** 101, 101L, **GEOG** 101, 101L, 170, 170L, 270, 270L, 292V, **MICR** 130, 140L, **OCN** 201, 205, **PHYL** 141, 141L, 142, 142L, **PHYS** 100, 100L, 105, **SCI** 292V, **ZOOL** 101, 101L

ASNS-BSC Advising Sheet: <https://hawaii.hawaii.edu/sites/default/files/advising-sheets/ns-ci-19-20.pdf>

UH Hilo Degree Notes:

1. Students must earn at least a 2.0 GPA in courses required for the major.
2. To earn a Bachelor of Arts degree in Natural Science, students must fulfill the requirements for the major and meet all of the University's other baccalaureate degree requirements. (Please see the Baccalaureate Degree Requirements in this Catalog.)
3. At least 24 semester hours must be earned in courses at the 300- or 400-level for the BA Natural Sciences, Biology Track.
4. Students who are interested in earning a Certificate in Educational Studies should contact the School of Education for Advising at (808) 932-7102.
5. Students wishing to make timely progress toward graduation are urged to pay careful attention to all degree requirements.
6. In addition, when planning a schedule of courses, it is imperative to be aware of course prerequisites and the frequency with which courses are offered. This information is available in the course listings in this Catalog.

Revised
5/3/20