HAWAI'I COMMUNITY COLLEGE, 2021-2022
ARCHITECTURAL, ENGINEERING & CAD TECHNOLOGIES (AEC)

Program Requirements: AAS Degree [66 credits, at least a 2.0 GPA required in all courses]
CA [24 or 47 credits, cumulative GPA 2.0 or better required for all courses]
CO [9 or 12 credits, cumulative GPA 2.0 or better required for all courses]

Course	Course Name	Semester Year & Grade	CO Sustainable Design & Site Prep Certif.	CO Geospatial Tech Certif.	CA Geomatics & GIS Certif.	CA Architecture Certif.	AAS Associate in Applied Science
			Credits	Credits	Credits	Credits	Credits
FALL:							
* AEC 100	Drafting Conventions & Materials		---	---	---	5	5
* AEC 112	Computer Aided Drafting (CAD)		3	3	3	3	3
* AEC 115	Introduction to Architecture		---	---	---	2	2
MATH 120	Trigonometry for Surveying		---	---	4	4	4
* AEC 113	Geomatics & Land Surveying I		2	2	2	---	2
	Semester Total		**5**	**5**	**9**	**14**	**16**
SPRING:							
* AEC 120	Residential Design & Construction Drawings		---	---	---	6	6
* AEC 128	Sustainable Environmental Design		2	---	---	2	2
* AEC 129	Sustainable Design & Site Preparation		2	---	2	---	2
* AEC 150	Introduction to GIS & GPS		---	4	4	---	4
ENG 100	Composition I		---	---	3	3	3
	Semester Total		**4**	**4**	**9**	**11**	**17**
FALL:							
* AEC 230	Residential Contract Drawings & Codes		---	---	---	4	4
* AEC 233	Basic Architectural Studio A		---	---	---	4	4
* AEC 234	3D CAD Imaging		---	---	1	1	1
* AEC 238	Architectural Historic Preservation		---	---	---	2	2
* AEC 249	Introduction to Drafting Career Success		---	---	---	1	1
ELECTIVE	Cultural, Natural, or Social (see next page)		---	---	---	---	3
	Semester Total		**0**	**0**	**1**	**12**	**15**
SPRING:							
* AEC 240	Commercial Contract Drawings		---	---	---	3	3
* AEC 241	Introduction to Building Services & BIM		---	3	3	3	3
* AEC 242	Basic Architectural Studio B		---	---	---	4	4
* AEC 247	Geomatics & Land Surveying II		---	---	2	---	2
ELECTIVE	Cultural, Natural, or Social (see next page)		---	---	---	---	3
ELECTIVE	Cultural, Natural, or Social (see next page)		---	---	---	---	3
	Semester Total		**0**	**3**	**5**	**10**	**18**
	TOTAL CREDITS		**9**	**12**	**24**	**47**	**66**

1. Cultural Environment Elective [1 COURSE REQUIRED – 3 cr.] ART 101, 105B, 105C, 107D, 108, 111, 112, 113, 114, 115, 120, 123, 125, 126, 159, 202, 209, 211, 212, 214, 217, 223, 225, 227, 230, 243, 244, 246, 248, 249, 257, 269C, 294, 295, 296, **ASAN** 120†, 121†, 122†, **DNCE** 153, 185, 190V, 256† (see ECED 256), 285, 290V, **ECED** 256† (see DNCE 256), **ENG** 103, 105, 204, 205† (see JOUR 205), 215, 255, 256, 257A, 257E, **HAW** 101, 102, 201, 202, **HIST** 120, 151, 152, 153, 154, 241, 242, 274, 284, 288, **HUM** 100, 160† (see SSCI 160), 275† (see PSY 275), **HWST** 100, 101, 102, 103, 105, 106, 107, 130, 131, 140, 141, 150, 151, 160, 201†, 206, 219, 230, 231, 260, 270, 272, **JOUR** 205† (see ENG 205), **JPNS** 101, 102, 121, 122, **LING** 102, 121† (see ANTH 121), 235† (see ANTH 235), **MUS** 102, **PHIL** 100, 101, 102, 120, 211, 213, 255, **PSY** 275, **REL** 150, 151, 152, 153, **SP** 231, 233, 251	---	---	---	---	---
2. Natural Environment Elective [1 COURSE REQUIRED – 3 cr.] AG 122, 141, 175, 175L, 200, 250, 260, **ASTR** 110, 281, **BIOC** 141, **BIOL** 100, 100L, 101, 101L, 124, 124L, 156, 156L, 171, 171L, 172, 172L, **BOT** 101, 101L, 105, 105L, 130, 130L, **CHEM** 100, 100L, 151, 151L, 161, 161L, 162, 162L, **ERTH** 101, 101L, **GEOG** 101, 101L, 170, 170L, 270, 270L, **MICR** 130, 140L, **OCN** 201, 205, **PHRM** 203, **PHYL** 141, 141L, 142, 142L, **PHYS** 100, 100L, 105, **ZOOL** 101, 101L	---	---	---	---	---
3. Social Environment Elective [1 COURSE REQUIRED – 3 cr.] *(ICS 100 recommended)* AG 157, 230, **AJ** 101, 180, 210, 256† (see HSER/WS 256), 280, 290B, 290C, 290D, **ANTH** 121† (see LING 121), 150, 200, 235† (see LING 235), **ASAN** 120†, 121†, 122†, **BUSN** 164, **ECON** 120, 130, 131, **ECED** 105, 131, **GEOG** 102, 122, **HD** 234, **HDFS** 230, **HOST** 290, **HSER** 110, 140, 141† (see SUBS 141), 248† (see SUBS 248), 256† (see AJ/WS 256), **HWST** 201†, **ICS** 100, **IS** 101, **MGT** 124, **POLS** 110, **PSY** 100, 170, 214, 251, 270, 275† (see HUM 275), **SOC** 100, 208, 218, 251, 265, 289, 290, **SP** 130, 151, 260, **SSCI** 111, 150, 160† (see HUM 160), 250, **SUBS** 141† (see HSER 141), 248† (see HSER 248), 268, 270, 275, 280, **WS** 151, 256† (see AJ/HSER 256)	---	---	---	---	---
Total Credits:	*9*	*12*	*24*	*47*	*66*

[All course requirements are subject to updates.]

Courses completed that do not apply to major

Course	Sem., Yr. & Grade	Course	Sem., Yr. & Grade

Entry Requirements
- Proficiency levels in both reading and mathematics are required to register for some or all of the program courses:

Subject Area	**Placement into course**
Mathematics	MATH 82X
Reading	ENG 102
Writing	ENG 100

Degree and Certificate Requirements
* No grade below "C" will be counted toward graduation.
† These courses are cross-listed but will only count once for graduation.