HAWAI'I COMMUNITY COLLEGE, 2023-2024
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 **OR** ENG 100E	Composition I / Composition I (ESL)		---	---	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, 161, 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, **GEO** 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/WGSS 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, **GEO** 102, 122, **HD** 234, **HDFS** 230, **HOST** 280, **HSER** 110, 140, 141† (see SUBS 141), 248† (see SUBS 248), 256† (see AJ/WGSS 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, **WGSS** 151, 256† (see AJ/HSER 256)		---	---	---	---	---
	Total Credits:	<u>9</u>	<u>12</u>	<u>24</u>	<u>47</u>	<u>66</u>

[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 or ENG 100E

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.