

NAME \_\_\_\_\_

SEMESTER/YEAR BEGAN AEC \_\_\_\_\_

# HAWAI‘I COMMUNITY COLLEGE, 2022-2023

## 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
<b>FALL:</b>			Credits	Credits	Credits	Credits	Credits
* 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
<b>Semester Total</b>			<b>5</b>	<b>5</b>	<b>9</b>	<b>14</b>	<b>16</b>
<b>SPRING:</b>							
* 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
<b>Semester Total</b>			<b>4</b>	<b>4</b>	<b>9</b>	<b>11</b>	<b>17</b>
<b>FALL:</b>							
* 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
<b>Semester Total</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>12</b>	<b>15</b>
<b>SPRING:</b>							
* 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
<b>Semester Total</b>			<b>0</b>	<b>3</b>	<b>5</b>	<b>10</b>	<b>18</b>
<b>TOTAL CREDITS</b>			<b>9</b>	<b>12</b>	<b>24</b>	<b>47</b>	<b>66</b>

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

<b><u>Subject Area</u></b>	<b><u>Placement into course</u></b>
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.