

# HAWAI'I COMMUNITY COLLEGE, 2024-2025

## Electronics Technology (ET)

**Program Requirements** (AAS Overall [62 credits, cumulative GPA 2.0 required from all courses])  
 (CA Overall [51 credits, cumulative GPA 2.0 required from all courses])  
 (CO Network Technology++ Overall, [12 credits, cumulative GPA 2.0 required from all courses])

Course	Course Name	Semester, Year & Grade	CO ++ Network Credits	CA Credits	AAS Credits
<b>FALL:</b>					
* ETRO 120	Fundamentals of Electronics I		---	5	5
* ETRO 120L	Fundamentals of Electronics I Lab		---	2	2
* ETRO 140	Network Fundamentals (or CENT 140)		3	3	3
* ETRO 143	Digital Electronics		---	5	5
* ETRO 143L	Digital Electronics Lab		---	2	2
	<b>Semester Total</b>		<b>3</b>	<b>17</b>	<b>17</b>
<b>SPRING:</b>					
* ETRO 121	Process Controls & Electronics Fabrication		---	3	3
* ETRO 121L	Process Controls & Electronics Fabrication Lab		---	---	2
* ETRO 122	Fundamentals of Electronics II		---	5	5
* ETRO 122L	Fundamentals of Electronics II Lab		---	2	2
* ETRO 240B	Routing Protocols and Concepts (or CENT 240B)		3	3	3
ENG 21/ESL 21 or higher <b>OR</b> ENG 22 or (ESL 22G & ESL 22W) or higher	Developmental Reading  Introduction to Expository Writing		---	3	---
	<b>Semester Total</b>		<b>3</b>	<b>16</b>	<b>15</b>
<b>FALL:</b>					
* ETRO 257	RF Communications		---	2	2
* ETRO 280	Microprocessors in Micro Controllers PLC		---	3	3
* ETRO 240C	LAN Switching and Wireless (or CENT 240C)		3	3	3
ENG 100/100E	Composition I		---	---	3
ELECTIVE	Natural Environment (see next page)		---	---	3
	<b>Semester Total</b>		<b>3</b>	<b>8</b>	<b>14</b>
<b>SPRING:</b>					
* ETRO 241	Accessing the WAN (or CENT 241)		3	3	3
* ETRO 266	Introduction to Fiber Optics		---	3	3
* ETRO 287	Programmable Logic Controllers		---	3	3
* ETRO 287L	Programmable Logic Controllers Lab		---	1	1
ELECTIVE	Cultural Environment (see next page)		---	---	3
ELECTIVE	Social Environment (see next page)		---	---	3
	<b>Semester Total</b>		<b>3</b>	<b>10</b>	<b>16</b>

<p><b>1. Cultural Environment Elective</b> [1 COURSE REQUIRED, 3 cr.]</p> <p>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, <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>JPN</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</p>	---	---	---
<p><b>2. Natural Environment Elective</b> [1 COURSE REQUIRED, 3 cr.]</p> <p>AG 122, 141, 164, 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</p>	---	---	---
<p><b>3. Social Environment Elective</b> [1 COURSE REQUIRED, 3 cr.]</p> <p>AG 157, 230, <b>AJ</b> 101, 180, 210, 256† (see HSER/WGSS 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>CULN</b> 190, <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> 280, <b>HSER</b> 110, 140, 141† (see SUBS 141), 248† (see SUBS 248), 256† (see AJ/WGSS 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>WGSS</b> 151, 256† (see AJ/HSER 256)</p>	---	---	---
<b>Total Credits</b>	<b>12</b>	<b>51</b>	<b>62</b>

**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 must be met for entry into the program:

**Subject Area**  
Reading

**Placement into course**  
ENG 21 or ESL 21

\* = No grade below “C” will be counted toward graduation

++ = Network Technology Certificate of Competence

† = These courses are cross-listed but will only count once for graduation requirements.