

NAME \_\_\_\_\_

SEMESTER/YEAR BEGAN ET \_\_\_\_\_

# HAWAI'I COMMUNITY COLLEGE, 2016-2017

## Electronics Technology (ET)

**Program Requirements** (AAS Overall [62 credits, cumulative GPA 2.0 required from all courses])

(CA Overall [39 credits, cumulative GPA 2.0 required from all courses])

(CO Optics Technology+ Overall [7 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 + Optics Credits	CO ++ Network Credits	CA Credits	AAS Credits
<b>FALL:</b>						
* ETRO 120	Electronics I		---	---	5	5
* ETRO 120L	Electronics I Lab		---	---	2	2
* ETRO 121	Electronics Fabrication and Assembly		---	---	2	2
* ETRO 121L	Electronics Fabrication and Assembly Lab		---	---	---	2
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>12</b>	<b>11</b>
<b>SPRING:</b>						
* ETRO 122	Electronics II		---	---	5	5
* ETRO 122L	Electronics II Lab		---	---	2	2
* ETRO 143	Digital Electronics		---	---	3	3
* ETRO 143L	Digital Electronics Lab		---	---	1	1
* ETRO 160	Laser Safety and Applications		1	---	1	1
* ETRO 161	Introduction to Optics and Photonics		3	---	3	3
ELECTIVE	Social Environment (see next page)		---	---	---	3
	<b>Semester Total</b>		<b>4</b>	---	<b>15</b>	<b>18</b>
<b>FALL:</b>						
* ETRO 257	RF Communications		---	---	2	2
* ETRO 280	Microprocessor Arch, Prog. & Interfacing		---	---	3	3
* CENT 140	Network Fundamentals		---	3	---	3
* CENT 240B	Routing Protocols and Concepts		---	3	---	3
ENG 100	Composition I		---	---	---	3
ELECTIVE	Natural Environment (see next page)		---	---	---	3
	<b>Semester Total</b>		---	<b>6</b>	<b>5</b>	<b>17</b>
<b>SPRING:</b>						
* ETRO 166	Introduction to Fiber Optics		3	---	3	3
* ETRO 287	Computer Systems and Networking		---	---	3	3
* ETRO 287L	Computer Systems and Networking Lab		---	---	1	1
* CENT 240C	LAN Switching and Wireless		---	3	---	3
* CENT 241	Accessing the WAN		---	3	---	3
ELECTIVE	Cultural Environment (see next page)		---	---	---	3
	<b>Semester Total</b>		<b>3</b>	<b>6</b>	<b>7</b>	<b>16</b>

<p><b>1. Cultural Environment Elective</b> [1 COURSE REQUIRED, 3 cr.]</p> <p><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, 281, 282, 284, 288, <b>HUM</b> 100, 160† (see SSCI 160), 275† (see PSY 275), <b>HWST</b> 100, 101, 102, 103, 104, 105, 106, 107, 119, 130, 131, 140, 141, 150, 151, 160, 161, 201†, 204, 206, 230, 231, 240, 241, 250, 251, 260, 261, <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>REL</b> 150, 151, 152, 153, <b>SPCO</b> 231, 233, 251</p>					
<p><b>2. Natural Environment Elective</b> [1 COURSE REQUIRED, 3 cr.]</p> <p><b>AG</b> 122, 141, 175, 175L, 200, 250, 260, <b>ASTR</b> 110, 281, <b>BIOC</b> 241, <b>BIOL</b> 100, 100L, 101, 101L, 141, 141L, 142, 142L, 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>GEOG</b> 101, 101L, 122, 170, 170L, 180, 180L, <b>GG</b> 101, 101L, <b>MICR</b> 130, 130L, <b>OCN</b> 201, 205, <b>PHRM</b> 203, <b>PHYS</b> 100, 100L, 105, <b>SCI</b> 124, 124L, <b>ZOOL</b> 101, 101L</p>					
<p><b>3. Social Environment Elective</b> [1 COURSE REQUIRED, 3 cr.]</p> <p><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>FAMR</b> 230, <b>GEOG</b> 102, <b>HD</b> 234, <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, 230, 270, 275† (see HUM 275), <b>SOC</b> 100, 208, 218, 251, 265, 289, 290, <b>SPCO</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)</p>					
<b>Total Credits:</b>					
	<u>7</u>	<u>12</u>	<u>39</u>	<u>62</u>	

**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**

Mathematics

Reading

**Placement into course**

MATH 24 or 66

ENG 21 or ESL 21

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

+ = Optics Technology Certificate of Competence

++ = Network Technology Certificate of Competence

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

**For information on Gainful Employment on all of our programs, please view the [programs of study](#) web page.**