

**THE UNIVERSITY OF HAWAI'I - KAPI'OLANI COMMUNITY COLLEGE**

**ASSOCIATE IN SCIENCE IN NATURAL SCIENCE  
INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT)**

60-credits of 100-200 level courses minimum. 2.0 Grade Point Ratio (GPR) minimum.

**Effective Fall 2017**

<b>I. GENERAL EDUCATION REQUIREMENTS (19 Credits)</b>		<b>COURSE</b>	<b>CR</b>	<b>GR</b>
<b>Foundations Written Communication (FW):</b> (1 course) <span style="float: right;"><i>check boxes if transfer course</i></span> ENG 100 or ESL 100 (Composition I) <input type="checkbox"/>				
<b>Foundations Symbolic Reasoning (FS):</b> (1 course) MATH 205 (Calculus I) <input type="checkbox"/>				
<b>Foundations Global &amp; Multicultural Perspectives (FG):</b> (2 courses, each course selected from a different group) Group A: ANTH 151; HIST 151 <input type="checkbox"/> Group B: ANTH 152; GEOG 102; HIST 152 <input type="checkbox"/> Group C: GEOG 151; MUS 107; REL 150 <input type="checkbox"/>				
<b>Diversification Arts, Humanities, &amp; Literatures (DA, DH, DL):</b> (1 course) <b>Arts (DA):</b> ART 101, 104, 105, 106J, 107, 111, 112, 113, 114, 115, 116, 123, 125, 126, 127, 128, 129, 156, 157, 159, 189, 202, 207, 212, 213, 214, 222, 223, 225, 226, 229, 243, 244, 245, 246, 247, 249, 253, 256, 257, 258, 260, 269 (any alpha), 284, 285, 293, 294, 295, 296; DNCE 121, 122, 131, 132, 150, 212, 213; IS 161; MUS 108, 114, 121B, 121C, 121D, 121Z, 122C, 183, 206, 229, 230, 231B, 231C, 231M, 253; SP 151, 231, 233, 251; THEA 101, 221, 222 <b>Humanities (DH):</b> AMST 201; ART 270, 280, 290; ASL 290; CHNS 290; HAW 290; HIST 222, 231, 232, 241, 242, 281, 282, 284, 288; HUM 269; HWST 100, 107, 216, 285; IS 109; JPNS 131, 290; KOR 290; LING 102; MUS 106, 170; PHIL 100, 101, 102, 103, 211, 213, 250; REL 151, 200, 201, 202, 209, 210, 215, 222; SLT 202B <b>Literatures (DL):</b> EALL 261, 262, 269 (any alpha), 271, 272; ENG 270 (any alpha), 271 (any alpha), 272 (any alpha), 273 (any alpha); HAW 261, 262; HWST 270; IIFA 239; PACS 257; SPAN 250	<input type="checkbox"/>			
<b>Diversification Social Sciences (DS):</b> (1 course) ANTH 200; ASAN 100; BOT 105; COM 201; ECON 120, 130, 131; ED 284, 289; ES 101; FAMR 230; GEOG 210; HWST 255; JOUR 150; LAW 101; PACS 108, 201, 202; POLS 110, 120, 130, 207; PSY 100, 170, 202, 212, 240, 250, 260, 270; SLT 102, 103; SOC 100, 214, 218, 231, 251, 257; SOCS 225; SP 181; SSCI 260; WS 202	<input type="checkbox"/>			
<b>II. CHEMISTRY COURSES (8 Credits)</b>		<b>COURSE</b>	<b>CR</b>	<b>GR</b>
CHEM 161 (General Chemistry I) Prerequisite(s): MATH 103 or placement in MATH 135. Recommended: MATH 135. <input type="checkbox"/>				
CHEM 161L (General Chemistry I Lab) Prerequisite(s): MATH 103; credit or concurrent enrollment in CHEM 161. <input type="checkbox"/>				
CHEM 162 (General Chemistry II) Prerequisite(s): "C" or higher in CHEM 161; "C" or higher in MATH 103. Recommended MATH 135. <input type="checkbox"/>				
CHEM 162L (General Chemistry II Lab) Prerequisite(s): CHEM 161, CHEM 161L, MATH 103; credit or concurrent enrollment CHEM 162. <input type="checkbox"/>				
<b>III. INFORMATION AND COMMUNICATIONS TECHNOLOGY (19 Credits)</b>		<b>COURSE</b>	<b>CR</b>	<b>GR</b>
ICS 111 (Introduction to Computer Science I) Prerequisite(s): Placement into Math 135. Recommended: ICS 101. <input type="checkbox"/>				
ICS 141 (Discrete Mathematics for Computer Science I) Prerequisite(s): Placement into Math 135. Recommended: ICS 101. <input type="checkbox"/>				
ICS 211 (Introduction to Computer Science II) Prerequisite(s): "B" or higher in ICS 111. <input type="checkbox"/>				
ICS 212 (Program Structure) Prerequisite(s): "B" or higher in ICS 211. <input type="checkbox"/>				
ICS 241 (Discrete Mathematics for Computer Science II) Prerequisite(s): ICS 111, ICS 141. <input type="checkbox"/>				
PHYS 151 (College Physics I) Prerequisite(s): "C" or higher in Math 140. <input type="checkbox"/>				
PHYS 151L (College Physics Lab I) Prerequisite(s): "C" or higher or concurrent enrollment in PHYS 151. <input type="checkbox"/>				
<b>IV. ELECTIVES (14 Credits) (** indicates strongly recommended courses)</b>		<b>COURSE</b>	<b>CR</b>	<b>GR</b>
ASTR 110; BIOC 141, 244; BIOL 101, 124, 171, 171L, 172, 172L, 265, 265L, 275, 275L; BOT 201, 201L; CHEM 272, 272L, 273; EE 211, 260, 296; GG 101L, 103; ICS 101, 110; MATH 100, 115, 206**; MICR 130, 140, 161, 230, 240; OCN 201; PHYL 160, 160L; PHYS 152**, 152L**, 170, 170L, 272, 272L, 274; SCI 295 (alpha)**; ZOOL 141, 141L, 142, 142L, 200, 200L; any Hawaiian or Second Language course (HSL) 101, 102, 201, 202; and any course listed under the DA, DH, DL, DS diversification designations.	<input type="checkbox"/>			

Revised 08.15.17

Advising sheets may be subject to human error. Refer to the current KCC Catalog for residency, curriculum, and other graduation requirements.

Thinking about transfer to UH Mānoa? Consider Writing Intensive (WI) and/or Hawaiian, Asian & Pacific Issues (HAP) focus courses at KCC.

**Advising: Maida Kamber Center for Career Exploration, Transfer, and Graduation (‘Ilima 104, 808-734-9500)  
Walk-in Advising Hours: Monday - Thursday 8:30 am - 4:30 pm**

The Science, Technology, Engineering, Math (STEM) Center in Koki'o 202 offers tutoring, internship, and scholarship support.