

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

**ASSOCIATE IN SCIENCE IN NATURAL SCIENCE – PRE-COMPUTER SCIENCE**

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

**Effective Fall 2016**

I. GENERAL EDUCATION REQUIREMENTS (19 Credits)		COURSE	CR	GR
<b>Foundations Written Communication (FW):</b> (1 course) <i>check boxes if transfer course</i> 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			
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; <b>DNCE</b> 121, 122, 131, 132, 150, 212, 213; <b>IS</b> 161; <b>MUS</b> 108, 114, 121B, 121C, 121D, 121Z, 122C, 183, 206, 229, 230, 231B, 231C, 231M, 253; <b>SP</b> 151, 231, 233, 251; <b>THEA</b> 101, 221, 222				
<b>Humanities (DH):</b> AMST 201; ART 270, 280, 290; <b>ASL</b> 290; <b>CHNS</b> 290; <b>HAW</b> 290; <b>HIST</b> 222, 231, 232, 241, 242, 281, 282, 284, 288; <b>HUM</b> 269; <b>HWST</b> 100, 107, 216, 285; <b>IS</b> 109; <b>JPNS</b> 131, 290; <b>KOR</b> 290; <b>LING</b> 102; <b>MUS</b> 106, 170; <b>PHIL</b> 100, 101, 102, 103, 211, 213, 250; <b>REL</b> 151, 200, 201, 202, 209, 210, 215, 222; <b>SLT</b> 202B		<input type="checkbox"/>		
<b>Literatures (DL):</b> EALL 261, 262, 269 (any alpha), 271, 272; <b>ENG</b> 270 (any alpha), 271 (any alpha), 272 (any alpha), 273 (any alpha); <b>HAW</b> 261, 262; <b>HWST</b> 270; <b>LLEA</b> 239; <b>PACS</b> 257; <b>SPAN</b> 250				
<b>Diversification Social Sciences (DS):</b> (1 course) ANTH 200; <b>ASAN</b> 100; <b>BOT</b> 105; <b>COM</b> 201; <b>ECON</b> 120, 130, 131; <b>ED</b> 284, 289; <b>ES</b> 101; <b>FAMR</b> 230; <b>GEOG</b> 210; <b>HWST</b> 255; <b>JOUR</b> 150; <b>LAW</b> 101; <b>PACS</b> 108, 201, 202; <b>POLS</b> 110, 120, 130, 207; <b>PSY</b> 100, 170, 202, 212, 240, 250, 260, 270; <b>SLT</b> 102, 103; <b>SOC</b> 100, 214, 218, 231, 251, 257; <b>SOCS</b> 225; <b>SP</b> 181; <b>SSCI</b> 260; <b>WS</b> 202		<input type="checkbox"/>		
II. CHEMISTRY COURSES (8 Credits)		COURSE	CR	GR
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) Prereq(s): CHEM 161, CHEM 161L, MATH 103; credit or concurrent enrollment CHEM 162.		<input type="checkbox"/>		
III. PRE-COMPUTER SCIENCE (19 Credits)		COURSE	CR	GR
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"/>		
IV. ELECTIVES (14 Credits) (** indicates strongly recommended courses)		COURSE	CR	GR
ASTR 110; <b>BIOC</b> 141, 244; <b>BIOL</b> 101, 124, 171, 171L, 172, 172L, 265, 265L, 275, 275L; <b>BOT</b> 201, 201L; <b>CHEM</b> 272, 272L, 273; <b>EE</b> 211, 260, 296; <b>GG</b> 101L, 103; <b>ICS</b> 101, 110; <b>MATH</b> 100, 115, 206**;		<input type="checkbox"/>		
<b>MICR</b> 130, 140, 161, 230, 240; <b>OCN</b> 201;		<input type="checkbox"/>		
<b>PHYL</b> 160, 160L; <b>PHYS</b> 152**, 152L**, 170, 170L, 272, 272L, 274; <b>SCI</b> 295 (alpha)**;		<input type="checkbox"/>		
<b>ZOOL</b> 141, 141L, 142, 142L, 200, 200L; any Hawaiian or Second Language course ( <b>HSL</b> ) 101, 102, 201, 202; and any course listed under the <b>DA, DH, DL, DS</b> diversification designations.		<input type="checkbox"/>		
		<input type="checkbox"/>		
		<input type="checkbox"/>		
		<input type="checkbox"/>		
		<input type="checkbox"/>		

Revised 08.22.16

Advising sheets are subject to human error. Refer to 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 and Math (STEM) Program offers tutoring, internships and scholarships support. Visit them in Koki’o 202