

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

**ASSOCIATE IN SCIENCE IN NATURAL SCIENCE – PHYSICAL SCIENCE**

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

**Effective Fall 2016**

I. GENERAL EDUCATION REQUIREMENTS (22 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 <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; <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; <b>ART</b> 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 <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 Biological Sciences (DB):</b> (1 course) BIOL 101, 124, 130, 171, 172, 265, 275; <b>BOT</b> 101, 130, 201; <b>ESS</b> 100; <b>FSHE</b> 185; <b>MICR</b> 130, 230; <b>PHYL</b> 160; <b>PSY</b> 230; <b>ZOOL</b> 141, 142, 200 <input type="checkbox"/>				
<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
<b>CHEM</b> 161 (General Chemistry I) Prerequisite(s): MATH 103 or placement in MATH 135. Recommended: MATH 135. <input type="checkbox"/> <b>CHEM</b> 161L (General Chemistry I Lab) Prerequisite(s): MATH 103; credit or concurrent enrollment in CHEM 161. <input type="checkbox"/> <b>CHEM</b> 162 (General Chemistry II) Prerequisite(s): "C" or higher in CHEM 161; "C" or higher in MATH 103. Recommended MATH 135. <input type="checkbox"/> <b>CHEM</b> 162L (General Chemistry II Lab) Prereq(s): CHEM 161, CHEM 161L, MATH 103; credit or concurrent enrollment CHEM 162. <input type="checkbox"/>				
III. PHYSICAL SCIENCE (13 CREDITS)		COURSE	CR	GR
<b>PHYS</b> 170 (General Physics I) Credit or concurrent enrollment in MATH 206. Recommended: PHYS 100. <input type="checkbox"/> <b>PHYS</b> 170L (General Physics Lab I) Prerequisite(s): Credit or concurrent enrollment in PHYS 170. <input type="checkbox"/> <b>PHYS</b> 272 (General Physics II) Prerequisite(s): MATH 206; PHYS 170; PHYS 170L. <input type="checkbox"/> <b>PHYS</b> 272L (General Physics Lab II) Prerequisite(s): PHYS 170, PHYS 170L; credit or concurrent enrollment in PHYS 272. <input type="checkbox"/> <b>MATH</b> 206 (Calculus II) Prerequisite(s): "C" or higher in MATH 205 or placement in MATH 206. <input type="checkbox"/>				
IV. ELECTIVES (17 Credits) (** indicates strongly recommended courses)		COURSE	CR	GR
<b>ASTR</b> 110; <b>BIOC</b> 141, 244; <b>BIOL</b> 171**, 171L**, 172**, 172L**, 265, 265L, 275, 275L; <b>BOT</b> 201, 201L; <b>CHEM</b> 272**, 272L**, 273**, 273L**; <b>CE</b> 270, 271; <b>EE</b> 160, 211, 260, 296; <b>GG</b> 101L**, 103; <b>ICS</b> 111, 141, 211, 212, 241; <b>MATH</b> 100, 115, 231**, 232**; <b>ME</b> 213, <b>MICR</b> 130**, 140, 161, 230, 240; <b>OCN</b> 201**; <b>PHYS</b> 151, 151L, 152, 152L, 274**; <b>PHYL</b> 160, 160L; <b>SCI</b> 295 (alpha)**; <b>ZOOL</b> 141, 141L, 142, 142L, 200, 200L; any Hawaiian or Second Language course ( <b>HSL</b> ) 101, 102, 201, 202; any course listed under the <b>DA, DH, DL, DS</b> diversification designations.		<input type="checkbox"/>		
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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