

Student Name: _____

Date: _____

THE UNIVERSITY OF HAWAII - KAPI'OLANI COMMUNITY COLLEGE

ASSOCIATE IN SCIENCE (A.S.) DEGREE IN NATURAL SCIENCE--CONCENTRATION IN PRE-ENGINEERING

60 Credits minimum of 100-200 level courses: 2.0 grade point ratio (GPR) minimum

Effective Fall 2012

I. GENERAL EDUCATION REQUIREMENTS (19 Credits)		COURSE	CR	GR
Written Communication (FW): (1 course) <i>check boxes if transfer course</i> ENG 100 or ESL 100 (Composition I) <input type="checkbox"/>				
Symbolic Reasoning (FS): (1 course) MATH 205 (Calculus I) <input type="checkbox"/>				
Global & Multicultural Perspectives (FG): (2 courses only, choose one course from two different groups below:)				
Group A. ANTH 151, HIST 151	GEOG 102, 151, MUS 107, REL 150 count as FG if taken Fall 2003 semester or later.	<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"/>		
Arts, Humanities, & Literature: (1 course only; choose one course from any group below:)				
Arts (DA): ART 101, 105, 106J, 107, 111, 112, 113, 114, 115, 116, 123, 125, 126, 127, 128, 129, 155, 156, 157, 158, 159, 189, 191 (any alpha), 192 (any alpha), 195, 201, 202, 207, 209, 212, 213, 214, 222, 223, 224, 225, 226, 229, 243, 244, 245, 246, 247, 248, 249, 253, 256, 257, 258, 259, 260, 266, 269 (any alpha), 288, 289, 293V, 295, 296; DNCE 121, 122, 131, 132, 150, 212, 213; MUS 108, 114, 121B, 121C, 121D, 121Z, 122B, 122C, 122D, 183, 201, 206, 221B, 229, 230, 231B, 231C, 231G, 231M, 253; SP 151, 231, 233, 251; THEA 101, 221, 222, 240				
Humanities (DH): AMST 201, 202; ART 190 (any alpha), 270, 280, 290; CHNS 131, 290; HIST 222, 231, 232, 241, 242, 281, 282, 284, 288; HUM 269; HWST 100, 107, 210, 216; IS 109; JPNS 131, 132, 290; KOR 290; LING 102; MUS 106, 170; PACS 273; PHIL 100, 101, 102, 103, 211, 213, 250; REL 151, 200, 201, 202, 209, 210, 220, 222; SLT 202		<input type="checkbox"/>		
(DL) Literature & Language: EALL 261, 262, 269, 271, 272; EL 263; ENG 200, 209, 214, 215, 225, 227, 256, 257C, 257P, 270 (any alpha), 271 (any alpha), 272 (any alpha), 273 (any alpha); HAW 261, 262; HWST 270; JOUR 205, 227; LLEA 239, 260; PACS 257 (Also listed as ENG 257C); SPAN 250				
Social Sciences (DS): (1 course only) AMST 211, 212; ANTH 150, 200, 210, 235; ASAN 100; BOT 105; COM 201; ECON 120, 130, 131; FAMR 230; GEOG 210; JOUR 150 LAW 101; PACS 108; POLS 110, 120, 130, 171, 207, 270; PSY 100, 170, 202, 212, 240, 260, 270; SLT 102, 103; SOC 100, 214, 218, 231, 251, 257; SOCS 225; SP 181; SSCI 200, 260; WS 202 (Also listed as PSY 202)		<input type="checkbox"/>		
II. CHEMISTRY COURSES (7 Credits)		COURSE	CR	GR
General Chemistry (GC): (2 courses and 1 lab) CHEM 161 (General Chemistry I) Prerequisite(s): MATH 103 or higher math level or placement into MATH 135 Recommended: MATH 135. CHEM 161L (General Chemistry I Lab) Prerequisite(s): MATH 103; credit or concurrent enrollment in CHEM 161. CHEM 162 (General Chemistry II) Prerequisite(s): CHEM 161 and MATH 103. Recommended Preparation: MATH 135		<input type="checkbox"/>		
		<input type="checkbox"/>		
		<input type="checkbox"/>		
III. PRE-ENGINEERING (28 - 29 Credits)		COURSE	CR	GR
EE 160 (Programming for Engineers) Prerequisite(s): MATH 135. Recommended Preparation: MATH 140		<input type="checkbox"/>		
MATH 206 (Calculus II) Prerequisite(s): A grade of "C" or higher in MATH 205 or equivalent		<input type="checkbox"/>		
PHYS 170 (General Physics I) Prerequisite(s): Credit or concurrent enrollment in MATH 206.		<input type="checkbox"/>		
PHYS 170L (General Physics I Lab) Prerequisite(s): Credit or concurrent enrollment in PHYS 170.		<input type="checkbox"/>		
PHYS 272 (General Physics II) Prerequisite(s): PHYS 170; PHYS 170L; MATH 206		<input type="checkbox"/>		
PHYS 272L (General Physics II Lab) Prerequisite(s): Credit or concurrent enrollment in PHYS 272		<input type="checkbox"/>		
MATH 231 (Calculus III) Prerequisite(s): A grade of "C" or higher in MATH 206.		<input type="checkbox"/>		
CE 270 or EE 211 (Applied Mechanics I or Basic Circuit Analysis) (see catalog for prerequisites)		<input type="checkbox"/>		
MATH 232 (Calculus IV) Prerequisite(s): A grade of "C" or higher in MATH 231		<input type="checkbox"/>		
IV. ELECTIVES (5 - 6 Credits)		COURSE	CR	GR
Electives (ELCT): (** indicates strongly recommended courses) ASTR 110, BIOC 241, BIOC 244, BIOL 171, BIOL 171L, BIOL 172, BIOL 172L, BIOL 265, BIOL 265L, BIOL 275, BIOL 275L, BOT 201, BOT 201L, CHEM 272, CHEM 272L, CHEM 273, CE 270**, CE 271**, EE 211**, EE 260**, GG 101L, GG 103, ICS 111**, ICS 141, ICS 211, ICS 212, ICS 241, MATH 100, MATH 206L, ME 213**, MICR 130, MICR 140, MICR 161, MICR 230, MICR 240, OCN 201, PHYS 151, PHYS 151L, PHYS 152, PHYS 152L, PHYS 274**, PHYL 160, ZOOL 141, ZOOL 141L, ZOOL 142, ZOOL 142L, ZOOL 200, ZOOL 200L		<input type="checkbox"/>		
		<input type="checkbox"/>		

Please refer to current KCC Catalog for residency, curriculum, and other graduation requirements.

LS 10/23/2012

Thinking about transferring to UH Manoa? Consider taking Writing Intensive and/or Hawaiian, Asian or Pacific Issues courses at KCC.

The issuance of an AS degree require that the student must earn a cumulative grade point ratio (GPR) of 2.0 or higher for all classes applicable toward the degree

Advising: Maida Kamber Center for Career, Transfer and Graduation (Ilima 104, 734-9500)

Walk-in hours: Monday - Thursday 8:30-4:30pm

The Science, Technology, Engineering, and Math (STEM) Program offers support including tutoring, internships and scholarships.

Visit them in Kokio 202