Student Name: **Date:**

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

ASSOCIATE IN SCIENCE IN NATURAL SCIENCE
INFORMATION AND COMPUTER SCIENCES (ICS)

Effective Fall 2023

60 credits minimum and 2.0 grade point ratio (GPR) or higher for all courses applicable toward the degree

I. GENERAL EDUCATION (19 Credits)	COURSE	CR	GR
Foundations Written Communication (FW): (1 course) *check boxes if transfer course* **ENG** 100 or **ESL** 100 ☐			
Foundations Quantitative Reasoning (FQ): (1 course) **MATH** 241 (formerly MATH 205) ☐			
Foundations Global & Multicultural Perspectives (FG): (2 courses, each course selected from a different group) Group A (FGA): **ANTH** 151; **ART** 175; **HIST** 151; **REL** 149/**WS** 149 ☐ Group B (FGB): **ANTH** 152; **ART** 176; **GEO** 102; **HIST** 152; **SSCI** 102 Group C (FGC): **GEO** 151; **MUS** 107; **REL** 150 ☐			
Diversification Arts, Humanities, & Literatures (DA, DH, DL): (1 course) **Arts (DA):** **ART** 101, 104, 105, 106J, 107, 107D, 111, 112, 113, 114, 115, 116, 123, 189, 207, 213, 214, 223, 225, 243, 244, 245, 253, 269 (any alpha); **DNCE** 121, 122, 131, 132, 150, 212, 213; **HWST** 222; **IS** 161; **MUS** 108, 114, 121B, 121C, 121D, 121Z, 122Z, 183, 201, 206, 229, 231C, 253; **SP** 151, 233, 251; **THEA** 101, 221, 222 **Humanities (DH):** **AMST** 201; **ART** 270; **ASAN** 201, 202; **ASL** 290; **CHNS** 290; **HAW** 290; **HIST** 231, 232, 241, 242, 281, 282, 284, 288; **HUM** 269 (any alpha), 295 (any alpha); **HWST** 100, 107, 207, 216, 257, 281, 281L, 282, 282L, 285; **IS** 109; **JPN** 131, 290; **KOR** 290; **LING** 102; **MUS** 106, 170, 290; **PHIL** 100, 101, 103, 213, 250; **REL** 151, 215, 222; **SLT** 202 (any alpha) ☐ **Literatures (DL):** **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; **LLEA** 239; **SPAN** 250			
Diversification Social Sciences (DS): (1 course) **ANTH** 200, 210; **ASAN** 100; **BOT** 105; **COM** 201; **ECON** 120, 130, 131; **ED** 284, 289; **ES** 101; **HDFS** 230 (formerly FAMR 230); **HWST** 255; **LING** 150; **PACS** 108; **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; **SW** 200 ☐			

II. CHEMISTRY COURSES (8 Credits)	COURSE	CR	GR
CHEM 161 (General Chemistry I) Prereq(s): "C" or higher in MATH 103. Recommended: MATH 135. ☐			
CHEM 161L (General Chemistry I Lab) Prereq(s): "C" or higher in MATH 103 and credit or concurrent enrollment in CHEM 161. ☐			
CHEM 162 (General Chemistry II) Prereq(s): "C" or higher in CHEM 161; and "C" or higher in MATH 103. Recommended: MATH 135. ☐			
CHEM 162L (General Chemistry II Lab) Prereq(s): See KapCC Catalog for prerequisites and recommended preparation. ☐			

III. INFORMATION AND COMMUNICATIONS TECHNOLOGY (19 Credits)	COURSE	CR	GR
ICS 111 (Introduction to Computer Science I) Prereq(s): Qualification for Math 135 or higher-level math. See KapCC Catalog. ☐			
ICS 141 (Discrete Math for Computer Science I) Prereq(s): Qualification for Math 135 or higher-level math. See KapCC Catalog. ☐			
ICS 211 (Introduction to Computer Science II) Prereq(s): "C" or higher in ICS 111 or consent of instructor. ☐			
ICS 212 (Program Structure) Prereq(s): "C" or higher in ICS 211 or consent of instructor. ☐			
ICS 241 (Discrete Math for Computer Science II) Prereq(s): "C" or higher in ICS 141 or consent of instructor. ☐			
PHYS 151 (College Physics I) or **PHYS** 170 (General Physics I): See KapCC Catalog for prerequites and recommended preparation. ☐			
PHYS 151L (College Physics Lab I) or **PHYS** 170L (General Physics Lab I): See KapCC Catalog for prerequisites. ☐			

IV. ELECTIVES (14 Credits) (** indicates strongly recommended courses)	COURSE	CR	GR
ASTR 110; **BIOC** 141, 244; **BIOL** 101, 101L, 124, 124L, 130, 130L, 171, 171L, 172, 172L, 265, 265L, 275, 275L; **BOT** 101, 101L, 105, 130, 130L, 201, 201L; **CHEM** 100, 272, 272L, 273, 273L; **CE** 270, 271; **EE** 211, 260**, 296; **ERTH** (formerly GG) 101L, 103; **ICS** 101, 110; **MATH** 100, 111, 112, 115, 215, 242 (formerly MATH 206)**, 243 (formerly MATH 231)**, 244 (formerly MATH 232)**; **ME** 213; **MICR** 130, 140, 161, 230, 240; **OCN** 101, 201, 201L; **OEST** 101, 201; **PHYL** (formerly ZOOL) 141, 141L, 142, 142L, 160, 160L; **PHYS** 152**, 152L**, 170, 170L, 272, 272L, 274; **SCI** 295 (alpha)**; **ZOOL** 200, 200L. Any 101, 102, 201, 202 course that fulfills the **KapCC AA/HSL** requirement. Any course on the **KapCC AA/DA**, **AA/DH**, **AA/DL**, **AA/DS** lists that has not already been used to fulfill General Education requirements. ☐☐☐☐☐☐			

Revised 08.15.23

Please refer to the current KapCC 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 KapCC.

Advising: Maida Kamber Center for Career Exploration, Transfer and Graduation ('Ilima 104, 808-734-9500, mkcinfo@hawaii.edu)

The STEM program offers tutoring, internship, and scholarship support. Visit http://kccstem.com.