

Student Name: _____ Date: _____

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

CERTIFICATE OF ACHIEVEMENT IN BIOTECHNOLOGY

Effective Fall 2017

43 Total Credits

SEMESTER ONE (15 Credits)	COURSE	CR	GR
ENG 100 or ESL 100 (Composition I) <i>check boxes if transfer course</i> <input type="checkbox"/>	_____	_____	_____
MATH 135 (Precalculus: Elementary Functions) Prerequisite(s): A grade of "C" or higher in MATH 103 or placement in MATH 135. <input type="checkbox"/>	_____	_____	_____
CHEM 161 (General Chemistry I) Prerequisite(s): MATH 103. Recommended Preparation: MATH 135. <input type="checkbox"/>	_____	_____	_____
CHEM 161L (General Chemistry I Lab) Prerequisite(s): MATH 103; credit or concurrent enrollment in CHEM 161. Recommended Preparation: MATH 135. <input type="checkbox"/>	_____	_____	_____
MICR 130 (General Microbiology) Recommended Preparation: MATH 82, CHEM 100, CHEM 161 or BIOC 241. <input type="checkbox"/>	_____	_____	_____
MICR 140 (General Microbiology Lab) Prerequisite(s): Credit or concurrent enrollment in MICR 130. <input type="checkbox"/>	_____	_____	_____
SEMESTER TWO (10 Credits)	COURSE	CR	GR
CHEM 162 (General Chemistry II) Prerequisite(s): A grade of "C" or higher in CHEM 161; a grade of "C" or higher in MATH 103. Recommended Preparation: MATH 135. <input type="checkbox"/>	_____	_____	_____
CHEM 162L (General Chemistry II Lab) Prerequisite(s): A grade of "C" or higher in CHEM 161 and CHEM 161L and MATH 103; credit or concurrent enrollment in CHEM 162. Recommended Preparation: MATH 135. <input type="checkbox"/>	_____	_____	_____
BIOL 171 (Introduction to Biology I) Prerequisite(s): Credit or concurrent enrollment in CHEM 161. See catalog for recommended preparation. <input type="checkbox"/>	_____	_____	_____
BIOL 171L (Introduction to Biology I Lab) Prerequisite(s): Credit or concurrent enrollment in BIOL 171. See catalog for recommended preparation. <input type="checkbox"/>	_____	_____	_____
MICR 161 (Immunology and Protein Chemistry) Prerequisite(s): See catalog for prerequisites. <input type="checkbox"/>	_____	_____	_____
SEMESTER THREE (9 Credits)	COURSE	CR	GR
CHEM 272 (Organic Chemistry I) Prerequisite(s): A grade of "C" or higher in CHEM 162. <input type="checkbox"/>	_____	_____	_____
CHEM 272L (Organic Chemistry Lab I) Prerequisite(s): A grade of "C" or higher in CHEM 162; credit or concurrent enrollment in CHEM 272. <input type="checkbox"/>	_____	_____	_____
BIOL 172 (Introduction to Biology II) Prerequisite(s): BIOL 171 or instructor consent. Strongly recommended to take BIOL 172L concurrently with BIOL 172. <input type="checkbox"/>	_____	_____	_____
BIOL 172L (Introduction to Biology II Lab) Prerequisite(s): Credit or concurrent enrollment in BIOL 172. <input type="checkbox"/>	_____	_____	_____
SEMESTER FOUR (9 Credits)	COURSE	CR	GR
BIOL 275 (Cell and Molecular Biology) Prerequisite(s): BIOL 171; BIOL 171L; CHEM 272; CHEM 272L or instructor consent. Recommended Preparation: Concurrent enrollment in BIOL 275L. <input type="checkbox"/>	_____	_____	_____
MICR 230 (Molecular Biology) See catalog for prerequisites. <input type="checkbox"/>	_____	_____	_____
SCI 295MI (STEM Research Experience in Microbiology and/or Molecular Biology) Prerequisite(s): Instructor consent. <input type="checkbox"/>	_____	_____	_____
MICR 240 (Cell Biology and Tissue Culture) or BIOL 275L (Cell and Molecular Biology Lab) See catalog for prerequisites. <input type="checkbox"/>	_____	_____	_____

Created 03.20.17

A grade of "C" or higher must be earned in all courses toward the Certificate of Achievement in Biotechnology.

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