Name: _____ ID: _____

BIO-RESOURCES AND TECHNOLOGY
BIO-RESOURCE DEVELOPMENT AND MANAGEMENT 2018-19
Graduation Checklist for Windward Community College

ACADEMIC SUBJECT CERTIFICATE (ASC) – 26 credits

The ASC in Bio-Resources and Technology (Bio-Resource Development and Management) will prepare students for careers in environmental science/studies and qualify them to transfer to bachelor of science degree programs. Knowledge and training in Bio-Resource Development and Management will be an asset to the productive and efficient use of natural resources for promoting sustainable management of our environment.

This certificate consists of 26 credits. See course descriptions for prerequisites.

This is not an official document. Check catalog for course description and prerequisite. **Check course core designation at the Class Availability website. Course core designation may differ at the various UH campuses.** See your academic counselor if you need help.

	COURSE	CREDIT	GRADE	SEMESTER YEAR
REQUIRED COURSES – 14 credits				
BIOL 101 Biology and Society BIOL 171/171L & 172/172L (General Biology I & II plus labs; 8 credits total) may replace BIOL 101. BIOL 171/171L & 172/172L are highly recommended for those students intending to major in an environmental science discipline at a four-year institution.		4		
GEOG 101 The Natural Environment GG 101 (Introduction to Geology; 3 credits) may replace GEOG 101.		3		
IS 201 The Ahupuaa		3		
BIOL 124 Environment and Ecology Students may also replace the BIOL 124/124L requirement with BIOL 172/172L provided they take BIOL 265/265L in Elective Set 2		3		
BIOL 124L Environment and Ecology Lab Students may also replace the BIOL 124/124L requirement with BIOL 172/172L provided they take BIOL 265/265L in Elective Set 2.		1		
ELECTIVE Set I – 6 credits **Technology, Utilization, and Management**				
ELECTIVE Set II – 6 credits **Environment and Ecology**				
Total Credits		26		

ELECTIVE Set I – 6 credits Technology, Utilization, and Management		ELECTIVE Set II – 6 credits Environment and Ecology	
AQUA 106	Small Scale Aquaculture (3)	BIOL 200	Coral Reefs (3)
AQUA 106L	Small Scale Aquaculture Lab (1)	BIOL 200L	Coral Reefs Lab and Field Studies (1)
AQUA 201	The Hawaiian Fishpond (3)	BIOL 265*/265L*	Ecology and Evolutionary Biology/Lab (4)
AQUA 201L	The Hawaiian Fishpond Lab (1)	BOT 130/130L	Plants in the Hawaiian Environment/Lab(3/1)
BOT 105	Ethnobotany (3)	ENVST 199/299	Independent Study (1-4)
CHEM 151/151L	Elementary Survey of Chemistry/Lab (4)	GEOG 101L*	The Natural Environment Lab (1)
ENVST 199/299	Independent Study (1-4)	GG 103	Geology of the Hawaiian Islands (3)
ZOOL 105	Hawaiian Use of Fish & Aquatic Invertebrates (3)	HIST 285	Environmental History of Hawaii (3)
		OCN 201	Science of the Sea (3)
		ZOOL 200	Marine Biology (3)
		ZOOL 200L	Marine Biology Lab (1)
		*BIOL 265/265L and GEOG 101L are highly recommended for those students intending to enroll in a baccalaureate-level environmental science program.	

Graduation Requirements

- □ 2.0 cumulative grade point average.
- □ Residency requirement: At least 20% of the required courses in the major area (the final credits) must be earned at the College. Under certain circumstances, this requirement may be waived upon request made to the Vice Chancellor of Academic Affairs.
- □ Last day for graduation certification is the last day of instruction.