Name: _____ UH ID: _____

MARINE OPTION PROGRAM 2024-25
Graduation Checklist for Windward Community College
ACADEMIC SUBJECT CERTIFICATE (ASC) – 12 credits

Through the Marine Option Program (MOP), students from any field of study can obtain an ocean-related focus within their own degree while earning an ASC. MOP emphasizes experiential-based, cross-disciplinary education and provides opportunities to apply traditional coursework to practical hands-on skills through an ocean-related internship or research project.

This certificate includes four credits of required coursework, six credits of ocean-related electives, and two credits of independent study/research to facilitate a unique MOP skill project where students (with faculty guidance) design and conduct a personal marine or aquatic project related to their educational goals. Completion of the MOP certificate will enhance student success in obtaining employment in any occupation where enhanced ocean awareness is applicable, or for further study at a 4-year institution.

This is not an official document. Use it to keep track of your academic progress. You are responsible for meeting your program and graduation requirements. Check catalog for course descriptions and course prerequisites.

	COURSE	CREDIT	GRADE	TERM
REQUIRED COURSES – 12 credits				
Ocean Survey Class				
OCN 201 **or** Science of the Sea **or** ZOOL 200 Marine Biology		3		
Marine Option Program Seminar Class – 1 credit				
OCN 101 Introduction to the Marie Option Program or comparable independent study class		1		
Ocean-Related Electives – 6 credits Classes with significant (20+%) ocean-related content. See below for current acceptable classes. In addition, a student may propose that a specific class may fulfill this requirement. Approval determined by MOP Faculty Coordinator based upon evaluation of course materials presented.				
Ocean-Related Experiential Project – 2 credits An approved internship or research project conducted within the framework of independent study (OCN 199 or OCN 299) or STEM research class (i.e., SCI 295V Introduction to STEM research). Approval requires the student to submit a project proposal in which clear project objectives as well as a clear project plan are described. The project proposal also identifies a mentor who provides guidance to the student.				
Minimum Credits		**12**		

MOP

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.
- □ Any one course can fulfill only one area.
- □ Last day for graduation certification is the last day of instruction.

Marine Option Program Approved Ocean-Related Electives			
AG 170	Introduction to Aquaponics (4)	ERTH 213	Molokai, Lanai, and Kahoolawe Field Geology (1)
ANTH 175	Polynesian Surf Culture (3)	ERTH 214	Kauai and Niihau Field Geology (1)
ANTH 175L	Polynesian Surf Culture Field Lab (1)	ECON 220	Introduction to Environmental Economics (3)
AQUA 106	Small Scale Aquaculture (3)	GEO 101	The Natural Environment (3)
AQUA 106L	Small Scale Aquaculture Lab (1)	GEO 101L	The Natural Environment Lab (1)
AQUA 201	The Hawaiian Fishpond (3)	HWST 107	Hawaii: Center of the Pacific (3)
AQUA 201L	The Hawaiian Fishpond Lab (1)	HWST 196	Special Topics in Polynesian Voyaging: Malama Honua
ATMO 101	Intro to Weather and Climate (3)	HIST 285	Environmental History of Hawaii (3)
BIOL 124	Environment & Ecology (3)	IS 201	The Ahupua'a (3)
BIOL 124L	Environment & Ecology Lab (1)	OCN 102	Introduction to the Environment and Sustainability (3)
BIOL 172	Introduction to Biology II (3)	OCN 120	Global Environmental Challenges (3)
BIOL 172L	Introduction to Biology Lab II (1)	OCN 201	Science of the Sea (3)
BIOL 200	Coral Reefs (3)	OCN 201L	Science of the Sea Laboratory (1)
BIOL 200L	Coral Reef Lab and Field Studies (1)	OCN 260	Pacific Surf Science & Technology (3)
BIOL 265	Ecology and Evolutionary Biology (3)	OCN 260L	Pacific Surf Science & Technology Lab (1)
BIOL 265L	Ecology and Evolutionary Biology Lab (1)	PACS 108	Pacific Worlds: An Introduction to Pacific Island Studies (3)
BOT 101	General Botany (3)	SCI 210	Polynesian Voyaging (3)
BOT 101L	General Botany Lab (1)	SCI 210L	Polynesian Voyaging Lab (1)
BOT 130	Plants in the Hawaiian Environment (3)	ZOOL 105	Hawaiian Use of Fish and Aquatic Invertebrates (3)
BOT 130L	Plants in the Hawaiian Environment Lab (1)	ZOOL 106	Hawaiian Marine Invertebrates (3)
ERTH 101	Introduction to Geology (3)	ZOOL 200	Marine Biology (3)
ERTH 101L	Introduction to Geology Laboratory (1)	ZOOL 200L	Marine Biology Lab (1)
ERTH 103	Geology of the Hawaiian Islands (3)		
ERTH 210	Oahu Field Geology (1)		
ERTH 211	Big Island Field Geology (1)		
ERTH 212	Maui Field Geology (1)		

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