Name:_____ ID:_____

BIO-RESOURCES AND TECHNOLOGY
PLANT BIOTECHNOLOGY 2013-14
Graduation Checklist for Windward Community College

ACADEMIC SUBJECT CERTIFICATE (ASC) – 26 credits

The ASC in Bio-Resources and Technology (Plant Biotechnology) will prepare students for careers in biotechnology and qualify them to transfer to bachelor of science degree programs. Knowledge in Plant Biotechnology will be an asset in the application of this technology to bioprocessing production systems, assuring a safe food supply and environment.

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

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. See your academic counselor if you need help.

		COURSE	CREDIT	GRADE	SEMESTER YEAR
REQUIRED COURSES – 16 credits					
BOT 101 or BIOL 171/171L	General Botany (4) General Biology I/Lab (3/1) BIOL 171/171L are recommended for students intending to major in General Biotechnology or the Environmental and Microbial Biotechnology at UHM.		4		
BOT 160 or BOT 130	Identification of Tropical Plants (3) Plants in the Hawaiian Environment (4)		3		
BOT 210 or BIOL 275/275L or BOT 205	Phytobiotechnology (4) Cell and Molecular Biology/Lab (3/1) Ethnobotanical Pharmacognosy (4)		4		
MICR 130	General Microbiology (3)		3		
MICR 140	General Microbiology Lab (2)		2		
ELECTIVE COURSES – 10 credits					
	Total Credits		26		

Plant Biotechnology Electives			
AG149	Plant Propagation (3)	CHEM 151	Elementary Survey of Chemistry (3)
AG 152	Orchid Culture (3)	or CHEM 161	General Chemistry I (3)
BIOL 275	Cell and Molecular Biology (3)	CHEM 151L	Elementary Survey of Chemistry Laboratory (1)
BIOL 275L	Cell and Molecular Biology Laboratory (1)	or CHEM 161L	General Chemistry I Lab (1)
BOT 105	Ethnobotany (3)	CHEM 152	Survey of Organic & BioOrganic Chemistry (3)
BOT 130	Plants in the Hawaiian Environment (4)	or CHEM 162	General Chemistry II (3)
BOT 199/299	Independent Study or Summer Field Study Abroad (1-4)	CHEM 152L	Survey of Organic & BioOrganic Chemistry Lab (1)
BOT 205	Ethnobotanical Pharmacognosy (4)	or CHEM 162L	General Chemistry II Lab (1)
		FSHN 185	Human Nutrition (3)
		GIS 150	Introduction to GIS/GPS (3)

Graduation Requirements

- □ 2.0 cumulative grade point average.
- □ Residency requirement: At least 50% 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 Student Affairs.
- □ Last day for graduation certification is the last day of instruction.

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