Name:_____ ID:_____

AGRIPHARMATECH
PLANT BIOTECHNOLOGY 2019-20
Graduation Checklist for Windward Community College
CERTIFICATE OF ACHIEVEMENT (CA) – 30 credits

The CA in Agripharmatech: Ethnopharmacognosy will prepare students to enter occupations for employment as Food Scientists and Technologists, Soil and Plant Scientists, Microbiologists, Biological Scientists, Conservation Scientists, Life Scientists, Agricultural and Food Science Technicians, Biological Technicians, Forensic Science Technicians, or Forest and Conservation Technicians. The students receive hands-on training in basic/applied sciences and research in botany, microbiology, orchidology, chemistry, cell and molecular biology, plant tissue culture, phytobiotechnology and ethnopharmacognosy. The CA A-PB focuses on the study of plant/orchid tissue culture, plant molecular phylogenetic and genetic engineering.

This certificate consists of 30 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 CAPSTONE CLASS – 4 credits					
BOT 210 or BIOL 275/275L	Phytobiotechnology (4) or Cell and Molecular Biology (3/1)		4		
REQUIRED COURSES – 17-18 credits					
AG 152	Orchid Culture (3)		3		
BOT 160 or BOT 101/101L or BIOL 172/172L	Identification of Tropical Plants (3) General Botany/Lab (3/1) General Biology II/Lab (3/1)		3/4		
ENG 100 or SP 151	Composition I (3) Personal and Public Speech (3)		3		
MATH 100	Survey of Mathematics or higher		3		
MICRO 130	General Microbiology (3)		3		
MICR 140L	General Microbiology Lab (2)		2		
ELECTIVE COURSES – 8-9 credits					
	Total Credits		**30**		

Plant Biotechnology Electives			
BIOL 171/171L	General Biology I/Lab (3/1)	CHEM 161/161L	General Chemistry I/Lab (3/1)
BOT 192	Special Topics	CHEM 162/162L	General Chemistry II/Lab (3/1)
BOT 199/299	Independent Study (1-4, with approval) Involves plant biotechnology research		

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.

2.20.19