CURRICULUM IN BIOLOGICAL SCIENCES
PLANT SCIENCE CONCENTRATION

YEAR: 2019 / 2020

NAME:______________________________

MAJOR HOURS (41) C or Better

Core Requirements (21 hrs)

GBIO 151 3
BIOL 152 1
GBIO 153 3
BIOL 154 1
MIC 205 3
MICL 207 1
GBIO 241 1
GBIO 441** 1

Upper-level Courses (20 hrs) page 2

CHEMISTRY (16)

2CHEM 121 3
CLAB 123 1
CHEM 122 3
CLAB 124 1
3CHEM 261 3
3CLAB 263 1
3CHEM 281 3
3CLAB 283 1

ELECTIVES (10)

TOTAL HOURS 120

NOTES: 1. Students with Math ACT <21 take MATH 151 in place of MATH 161. Students who are eligible may take MATH 175 and 200 (10 credit hours) in place of MATH 161, 162, and 163 (9 credit hours). Students who take MATH 175 and 200 are required to take one less hour of electives (i.e., 9 hrs instead of 10 hrs).
2. Grade of “C” or better in CHEM 121, MATH 151 or 161, and all Biology courses is required. Also, CHEM 121 and MATH 151 or 161 are prerequisites for GBIO 200, and GBIO 200 is a prerequisite for GBIO 312.
3. Students planning on attending medical, dental, or other professional or graduate schools, and students pursuing a minor in Chemistry, should take CHEM 265/267 and CHEM 266/268. Also, CHEM 265/267 can NOT be used as prequisites for CHEM 281/283.
**GBIO 441 fulfills requirement for computer literacy

ADDITIONAL COURSES:

HA

AVERAGES
CUM: HE QP Average

(Adj)

MAJOR
(Adj)

SLU:
(Adj)

FOR. LANGUAGES (6)

LS 102 3
COMM211 3
HIST 3
SE 101 2
SE 101 is not required of transfer or readmitted students with 30 hours or more. These students are required to take two additional hours of electives (i.e., 12 hrs instead of 10 hrs).

OTHER (12)

ART ELECTIVE (Mus,Art,Dnc,Thea)

OTHER (6)

LS 102 1
COMM211 3
HIST 3
SE 101 2

TOTAL HOURS 120

YEAR ENTERED SLU:_____

W#_______________________
PLANT SCIENCE CONCENTRATION

I. Core Courses (page 1): 21 CREDIT HOURS (Grade of "C" or better required in all courses)

II. Upper-level Courses for Plant Science Concentration.
20 CREDIT HOURS from the following courses with approval of advisor (Grade of "C" or better required in all courses)

Electives – 20 hrs
- BOT 205 Introduction to Botany 4 hrs
- BOT 347 Vascular Plant Systematics 4 hrs
- BOT 401 Plant Pathology 4 hrs
- BOT 426 Plant Physiology 4 hrs
- BOT 427 Plant Stress Ecophysiology 4 hrs
- BOT 429 Native Plants of Louisiana 4 hrs
- BOT 481 Plant Ecology 4 hrs
- BOT 482 Plant Anatomy 4 hrs
- GBIO 377 Applied Biostatistics 4 hrs
- GBIO 395 General Ecology 3 hrs
- GBIO 397 General Ecology Laboratory 2 hrs
- GBIO 404 Ecological Methods 3 hrs
- GBIO 405 Evolutionary Biology 4 hrs
- GBIO 406 Wetland Ecology 4 hrs
- GBIO 408 Computational Biology 4 hrs
- GBIO 410 Introduction to Population Genetics 4 hrs
- GBIO 418 Community Ecology 4 hrs
- GBIO 434 Molecular Biology and Biotechnology 4 hrs
- GBIO 485 Conservation Biology 4 hrs
- HORT 301 Introductory Soils 4 hrs
- HORT 315 Plant Materials I 3 hrs
- HORT 320 Plant Materials II 4 hrs
- HORT 328 Plant Propagation 3 hrs
- HORT 412 Turf Management 3 hrs
- HORT 424 Arboriculture 3 hrs
- HORT 426 Coastal Plant Production 3 hrs
- HORT 428 Organic Gardening 3 hrs
- HORT 490 Survey of the Horticulture Industry 4 hrs
- ZOO 409 General Entomology 4 hrs

(NOTE: * these electives require PRIOR approval of student's advisor and Department Head.)

*GBIO 409 Internship – Variable credits, 1 to 3 hours (Max 3 hours total)
*GBIO 450 Research Problems – Variable credits, 1 to 4 hours (Max 4 hours total)
*GBIO 493 Special Topics in Biology – Variable credits, 2 to 4 hours
*HORT 495 Seminar – 1 hour