CURRICULUM IN BIOLOGICAL SCIENCES
PLANT SCIENCE CONCENTRATION

YEAR: 2021 / 2022
NAME: ________________________________
YEAR ENTERED SLU: ______

W#___________________________

MAJOR HOURS (41) C or Better 2

Core Requirements (21 hrs)

GBIO 151 3
BIOL 152 1
GBIO 153 3
BIOL 154 1
MIC 205 3
MICL 207 1
2GBIO 200 3
2GBIO 312 3
GBIO 241 1
GBIO 341 1
GBIO 441** 1

MATHEMATICS (9)

1,2MATH 161 3
MATH 162 3
MATH 163 3

SOCIAL SCIENCES (6)

(Anth, Econ, Geog, Psyc, Poli, Soc)

PHYSICS (8)

PHYS 191 3
PLAB 193 1
PHYS 192 3
PLAB 194 1

ENGLISH (12)

ENGL 101
or 121H 3
ENGL 102
or 122H 3
ENGL 230 or 231 or 232 3
ENGL 322 3

OTHER (12)

ART ELECTIVE (Mus, Art, Dnc, Thea) 3

FOR. LANGUAGES (6)

LS 102 1
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).

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 in place of CHEM 261/263 and CHEM 281/283. Also, CHEM 265/267 can NOT be used as prerequisites for CHEM 281/283.
**GBIO 441 fulfills requirement for computer literacy

ADDITIONAL COURSES:

CUM: ____________________
HA: ____________________
AVERAGES
HE: ____________________
QP: ____________________
Average: ____________________

CUM: (Adj) ____________________
HA: (Adj) ____________________

MAJOR
CUM: ____________________
HA: ____________________
AVERAGES
HE: ____________________
QP: ____________________
Average: ____________________

CUM: (Adj) ____________________
HA: (Adj) ____________________

SLU:
CUM: ____________________
HA: ____________________
AVERAGES
HE: ____________________
QP: ____________________
Average: ____________________

CUM: (Adj) ____________________
HA: (Adj) ____________________
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