

**CURRICULUM IN BIOLOGICAL SCIENCES  
BUSINESS CONCENTRATION**

YEAR: 2022 / 2023

YEAR ENTERED SLU: \_\_\_\_\_

NAME: \_\_\_\_\_

W# \_\_\_\_\_

**MAJOR HOURS (41) C or Better<sup>2</sup>**

**Core Requirements (21 hrs)**

GBIO 151 \_\_\_\_\_ 3 \_\_\_\_\_  
 BIOL 152 \_\_\_\_\_ 1 \_\_\_\_\_  
 GBIO 153 \_\_\_\_\_ 3 \_\_\_\_\_  
 BIOL 154 \_\_\_\_\_ 1 \_\_\_\_\_  
 MIC 205 \_\_\_\_\_ 3 \_\_\_\_\_  
 MICL 207 \_\_\_\_\_ 1 \_\_\_\_\_  
<sup>2</sup>GBIO 200 \_\_\_\_\_ 3 \_\_\_\_\_  
<sup>2</sup>GBIO 312 \_\_\_\_\_ 3 \_\_\_\_\_  
 GBIO 241 \_\_\_\_\_ 1 \_\_\_\_\_  
 GBIO 341 \_\_\_\_\_ 1 \_\_\_\_\_  
 GBIO 441\*\* \_\_\_\_\_ 1 \_\_\_\_\_

**MATHEMATICS (9)**

<sup>1,2</sup>MATH 161 \_\_\_\_\_ 3 \_\_\_\_\_  
 MATH 162 \_\_\_\_\_ 3 \_\_\_\_\_  
 MATH 163 \_\_\_\_\_ 3 \_\_\_\_\_

or **<sup>1</sup>MATH 175 and 200 (10)**

MATH 175 \_\_\_\_\_ 5 \_\_\_\_\_  
 MATH 200 \_\_\_\_\_ 5 \_\_\_\_\_

**ENGLISH (12)**

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

**FOR. LANGUAGES (6)**

\_\_\_\_\_ 101 \_\_\_\_\_ 3 \_\_\_\_\_  
 \_\_\_\_\_ 102 \_\_\_\_\_ 3 \_\_\_\_\_

**Upper-level Courses (20 hrs) page 2**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**CHEMISTRY (16)**

<sup>2</sup>CHEM 121 \_\_\_\_\_ 3 \_\_\_\_\_  
 CLAB 123 \_\_\_\_\_ 1 \_\_\_\_\_  
 CHEM 122 \_\_\_\_\_ 3 \_\_\_\_\_  
 CLAB 124 \_\_\_\_\_ 1 \_\_\_\_\_  
<sup>3</sup>CHEM 261 \_\_\_\_\_ 3 \_\_\_\_\_  
<sup>3</sup>CLAB 263 \_\_\_\_\_ 1 \_\_\_\_\_  
<sup>3</sup>CHEM 281 \_\_\_\_\_ 3 \_\_\_\_\_  
<sup>3</sup>CLAB 283 \_\_\_\_\_ 1 \_\_\_\_\_

**TOTAL HOURS 120**

**NOTES:** <sup>1</sup>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 not required to take the one hour of electives (i.e., 0 hr instead of 1 hr).

<sup>2</sup>Grade of "C" or better in CHEM 121, MATH 151/161, ECON 201, 202, ACCT 200, FIN 381, MRKT 303 or MGMT 351, and all Biology courses is required. CHEM 121 and MATH 151/161 are prerequisites for GBIO 200, and GBIO 200 is a prerequisite for GBIO 312.

<sup>3</sup>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. Also, GBIO 434 or MIC 461 may be taken in place of CHEM 281/283.

<sup>4</sup>ECON 201 and ECON 202 fulfill the Social Sciences requirement.

\*\*GBIO 441 fulfills requirement for computer literacy

**<sup>2</sup>CONCENT. COURSES (15)**

(Anth, Econ, Geog, Psys, Poli, Soc, CJ)

<sup>4</sup>ECON 201 \_\_\_\_\_ 3 \_\_\_\_\_  
<sup>4</sup>ECON 202 \_\_\_\_\_ 3 \_\_\_\_\_  
 ACCT 200 \_\_\_\_\_ 3 \_\_\_\_\_  
 FIN 381 \_\_\_\_\_ 3 \_\_\_\_\_  
 MRKT 303 or MGMT 351 \_\_\_\_\_ 3 \_\_\_\_\_

**PHYSICS (8)**

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

**ELECTIVE (1)**

(1)

**OTHER (12)**

ART ELECTIVE (Mus, Art, Dnc, Thea)

\_\_\_\_\_ 3 \_\_\_\_\_  
 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)

**ADDITIONAL COURSES:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

	AVERAGES			
	HA	HE	QP	Average
CUM:	_____	_____	_____	_____
(Adj)	_____	_____	_____	_____
MAJOR	_____	_____	_____	_____
(Adj)	_____	_____	_____	_____
SLU:	_____	_____	_____	_____
(Adj)	_____	_____	_____	_____

## BUSINESS CONCENTRATION

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

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

**GBIO 377 is required for the Business Concentration**

GBIO 377 Applied Biostatistics 4 hrs

**GROUP A** – minimum one required – Ecology or Evolution

Ecology – GBIO 395 General Ecology 3 hrs and GBIO 397 General Ecology Laboratory 2 hrs

Evolution – GBIO 405 Evolutionary Biology 4 hrs

**GROUP B** – Electives

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 458 General Mycology 3 hrs

BOT 481 Plant Ecology 4 hrs

BOT 482 Plant Anatomy 4 hrs

GBIO 281 Environmental Awareness 3 hrs

GBIO 314 Genetics Laboratory 2 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 407 Forensic Biology 4 hrs

GBIO 408 Computational Biology 4 hrs

GBIO 418 Community Ecology 4 hrs

GBIO 434 Molecular Biology and Biotechnology 4 hrs

GBIO 439 Introduction to Fresh Water & Estuarine Biology 4 hrs

GBIO 481 Biogeography 3 hrs

GBIO 485 Conservation Biology 4 hrs

GBIO 492 History of Biology 3 hrs

GBIO 495 Biological Electron Microscopy 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

MIC 313 Microbial Ecology 3 hrs

MIC 325 Advanced General Microbiology 4 hrs

MIC 423 Environmental Microbiology 4 hrs

MIC 436 Pathogenic Bacteria 4 hrs

MIC 457 Dairy & Food Microbiology 4 hrs

MIC 460 Immunology 4 hrs

MIC 461 Bacterial Metabolism 4 hrs

MIC 463 Virology 4 hrs

MIC 465 Recombinant DNA Techniques 4 hrs

ZOO 301 Invertebrate Zoology 4 hrs

ZOO 302 Comparative Anatomy 4 hrs

ZOO 331 Embryology 4 hrs

ZOO 332 Animal Histology 4 hrs

ZOO 352 Field Zoology 4 hrs

ZOO 392 Animal Physiology 4 hrs

ZOO 409 General Entomology 4 hrs

ZOO 428 Waterfowl Management 3 hrs

ZOO 438 Mammology 4 hrs

ZOO 453 Ecological Parasitology 4 hrs

ZOO 455 Medical Parasitology 4 hrs

ZOO 456 Ichthyology 4 hrs

ZOO 457 Invertebrate Ecology 4 hrs

ZOO 458 Fisheries Ecology and Management 4 hrs

ZOO 465 Animal Development 4 hrs

ZOO 470 Ornithology 4 hrs

ZOO 471 Comparative Endocrinology 4 hrs

ZOO 475 Animal Behavior 4 hrs

ZOO 488 Cytology 3 hrs

ZOO 499 Neurobiology 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

Maximum of four credit hours of Biochemistry may be used for concentration elective requirements. NOTE: If CHEM 281 and CLAB 283 are taken to fulfill Chemistry requirements, they may not be used for elective requirements.

CHEM 281 Survey of Biochemistry 3 hrs

CLAB 283 Survey of Biochemistry Laboratory 1 hr

CHEM 481 Biochemistry I 3 hrs

CLAB 485 Biochemistry I Laboratory 1 hr

CHEM 482 Biochemistry II 3 hrs

CLAB 486 Biochemistry II Laboratory 1 hr