

Bachelor of Science in Biology [ZOOLOGY EMPHASIS – 127 CREDITS]

Course Sequence Sheets

1ST YEAR (FRESHMAN) - 31 CREDITS

Course Code	Course Title	Credits
1st Semester		
BIOL165	Foundations of Biology I	4
CHEM131	General Chemistry I	4
ENGL125	Academic Writing I	3
MATH167	Pre-calculus Trigonometry	3
IDSC110	College Success and Career Planning	1
Semester Credits		15
2nd Semester		
BIOL166	Foundations of Biology II	4
CHEM132	General Chemistry II	4
IDSC205 or MUHL220 or MUPF_____	Introduction to Fine Arts or Music Appreciation or Ensemble	2
RELT100	God and Human Life	3
COMM104	Communication Skills	3
Semester Credits		16

[ZOOLOGY EMPHASIS] Course Sequence - *CONTINUED*

2ND YEAR (SOPHOMORE) - 32 CREDITS

Course Code	Course Title	Credits
1st Semester		
BIOL348	General Ecology	3
BIOL373	Cellular and Molecular Biology	3
CHEM231	Organic Chemistry I	3
CHEM241	Organic Chemistry Laboratory I	1
CPTR100	Introductory Computer Tools	3
PSYC101	Introduction to Psychology	3
Semester Credits		16
2nd Semester		
BIOL374	Genetics	3
CHEM232	Organic Chemistry II	3
CHEM242	Organic Chemistry Laboratory II	1
ENGL225	Academic Writing II	3
PEAC110 or PEAC130	Personal Physical Fitness or Special Activities	1
RELT250	Personal Spirituality and Faith	3
ZOOL316	Human Embryology	2
Semester Credits		16

[ZOOLOGY EMPHASIS] Course Sequence - *CONTINUED*

3RD YEAR (JUNIOR) - 32 CREDITS

Course Code	Course Title	Credits
1st Semester		
BIOL453	Research Methods I	1
BIOL499	Internship	3
EDTE354	Philosophy of Education	2
PHYS141	General Physics I	4
ZOOL315 or ZOOL459	Animal Development or Entomology	3
ZOOL425 or ZOOL465	Parasitology or Histology	3
Semester Credits		16
2nd Semester		
BIOL487 or ZOOL484	Biogeography or Animal Behavior	3
BIOL454	Research Methods II	1
*BOT470	Plant Physiology	4
PHYS142	General Physics II	4
RELB210	Jesus In His Time and Ours	3
TCED285 or HMEC129	Upholstery or Social & Professional Ethics	1
Semester Credits		16

[ZOOLOGY EMPHASIS] Course Sequence - *CONTINUED*

4TH YEAR (SENIOR) -32 CREDITS

Course Code	Course Title	Credits
1st Semester		
^BCHM421* or BOT475	Biochemistry or Biodiversity of Vascular Plants	4
BIOL375* or BIOL475	Microbiology or Biology of Bacteria	3
BIOL460	Human Anatomy	3
FREN101 or SPAN101	Conversational French or Conversational Spanish	3
HLED220	Community & Environmental Health	3
Semester Credits		16
2nd Semester		
BIOL449	Historical & Philosophical Biology	3
BIOL495	Independent Reading/Research	3
HIST104 or HIST105 or HIST147	World Civilizations I or World Civilizations II or West Indian History	3
RELT340	Religion and Ethics in Modern Society	3
ZOOL464*	Systems Physiology	4
Semester Credits		16

Important: This course sequence is designed for incoming students with the full complement of passes matching the standard entry requirements for the degree. Students having any deficits in their entry requirements will need to complete additional preliminary coursework which will therefore extend the duration of their program.

***Note:** Students intending to teach biology in secondary schools within Trinidad and Tobago are required to include the following courses within their programme: BIOL375, ZOOL464, BOT470 and BCHM421.

^Zoology Students intending to graduate with the minor in Chemistry must take BCHM421 Biochemistry.