

**Bachelor of Science in Biology [BIOMEDICAL EMPHASIS – 127 CREDITS]****Course Sequence Sheets****1ST YEAR (FRESHMAN) - 31 CREDITS**

Course Code	Course Title	Credits
<b>1st Semester</b>		
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
<b>Semester Credits</b>		<b>15</b>
<b>2nd Semester</b>		
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
<b>Semester Credits</b>		<b>16</b>

**[BIOMEDICAL EMPHASIS] Course Sequence - *CONTINUED***

**2ND YEAR (SOPHOMORE) - 32 CREDITS**

Course Code	Course Title	Credits
<b>1st Semester</b>		
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
<b>Semester Credits</b>		<b>16</b>
<b>2nd Semester</b>		
BIOL302 or ZOOL316	Biostatistics or Human Embryology	2
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
<b>Semester Credits</b>		<b>16</b>

**[BIOMEDICAL EMPHASIS] Course Sequence - *CONTINUED***

**3RD YEAR (JUNIOR) - 32 CREDITS**

Course Code	Course Title	Credits
<b>1st Semester</b>		
BIOL392 or ZOOL425	Epidemiology or Parasitology	3
BIOL417 or BIOL380	Immunology or Haematology	3
BIOL453	Research Methods I	1
BIOL499	Internship	3
EDTE354	Philosophy of Education	2
PHYS141	General Physics I	4
<b>Semester Credits</b>		<b>16</b>
<b>2nd Semester</b>		
BIOL420 or BOT349	Pharmacology or Medical Botany	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
<b>Semester Credits</b>		<b>16</b>

**[BIOMEDICAL EMPHASIS] Course Sequence - *CONTINUED***

**4TH YEAR (SENIOR) -32 CREDITS**

Course Code	Course Title	Credits
<b>1st Semester</b>		
^BCHM421* or BCHM423	Biochemistry or Clinical Biochemistry	4
BIOL375* or BIOL475	Microbiology or Biology of Bacteria	3
BIOL460 or ZOOL465	Human Anatomy or Histology	3
FREN101 or SPAN101	Conversational French or Conversational Spanish	3
HLED220	Community & Environmental Health	3
<b>Semester Credits</b>		<b>16</b>
<b>2nd Semester</b>		
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
<b>Semester Credits</b>		<b>16</b>

**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.