



## Requisitos y su equivalencia en universidades de Estados Unidos

<b>Naturopathic (ND)</b>				
Requisitos	Equivalencia	Carolina	Cupey	Gurabo
General Biology I and II including laboratory (12 credits)	<b>BIOL 203 - GENERAL BIOLOGY I 4 CREDITS</b>	X	X	X
	An introductory survey of current biological concepts for students majoring in the sciences. Emphasis will be placed on topics which include characteristics of living things, scientific method, biologically important compounds and molecules, cells, energy and metabolism, genetics, evolution and ethical aspects related to technology and scientific research.			
	<b>BIOL 204 - GENERAL BIOLOGY II 4 CREDITS</b>	X	X	X
	General biology course for natural sciences students. Include the following topics: biodiversity, basic concepts of anatomy and physiology of plants and animals, ecology and ethical aspects related to technology and scientific research.			
Chemistry and laboratory (12 credits)	<b>CHEM 203 GENERAL CHEMISTRY I 4 CREDITS</b>	X	X	X
	Emphasis in this course is aimed to the study of the states of the matter, atomic and molecular structures, nomenclature of inorganic compounds, classification of elements in the periodic table, chemical bond, chemical equations and reactions, stoichiometry. In the laboratory students are trained in the use of basic laboratory techniques such as the use of volumetric equipment, titration and qualitative analysis. Students are taught to keep a good laboratory notebook and safety on the laboratory.			
	<b>CHEM 204 - GENERAL CHEMISTRY II 4 CREDITS</b>	X	X	X
	Second part of the introductory course of fundamental concepts in chemistry. Study of matter, its composition, properties, chemical reactions, and energy transformations related to these reactions. Analysis of relevant environmental issues related to the chemistry concepts studied. Promotion of decision-making on controversial issues involving chemistry and ethics. Investigative activities that promote the development of higher thinking processes and hand-on doing science. One semester, 3 hours of lecture, and 3 hours of laboratory per week.			
	<b>PHSC 203 - GENERAL PHYSICS I 4 CREDITS</b>	X	X	X

<p>Physics (3 credits)</p>	<p>The course provides skills to understand the world that surrounds the student. The student will learn to explain physical phenomena and will discover principles and laws that have connections with other disciplines and apply to analog phenomena and broader situations. This way, he will recognize the broad scope of Physics. For this, the student will strengthen the correct use of the language of the discipline, perform cooperative experiments where will manipulate instruments and take measurements that will report clearly and precisely. Topics are covered in sequential manner, integrating an inductive and deductive format. The applications cover from the simple free fall to orbiting satellites, based on the laws of movement and their relation with energy. Slightly emphasis is given on integral calculus. Student will be evaluated with a variety of instruments, in class as well as online Course.</p>			
<p>Psychology (3 credits)</p>	<p><b>PSYC 123 - GENERAL PSYCHOLOGY 3 CREDITS</b> Condensed version of Psychology 121-122. Introduction to basic theories of human behavior and their relation to social progress and individual growth.</p>	<p>X</p>	<p>X</p>	<p>X</p>
<p>English (6 credits)</p>	<p><b>ENGS 152 - FUNDAMENTALS OF SPEAKING, READING, AND WRITING ENGLISH I 3 CREDITS</b> This competency-focused course develops and strengthens students' listening, speaking, reading, and writing proficiency in English through an integrated language arts approach. Students will engage in oral communication competencies to fit the purpose and context of diverse situations. Reading comprehension competencies focus on the analysis of fiction and non-fiction texts from a global perspective to produce different types of paragraphs and short essays expressing diverse points of view. This course involves the responsible use of technology and information skills to generate new knowledge.</p>	<p>X</p>	<p>X</p>	<p>X</p>
	<p><b>ENGS 153 - FUNDAMENTALS OF SPEAKING, READING, AND WRITING ENGLISH II 3 CREDITS</b> This competency-focused course integrates different rhetorical discourses in a variety of local and international topics in order to generate new knowledge. Students will demonstrate the use of appropriate oral communication competencies in verbal and nonverbal interactions to fit the purpose and context of diverse situations. Reading comprehension competencies will focus on the analysis of fiction and non-fiction texts in order to generate ideas to compose different types of essays. Students apply the writing process and adequate language usage for academic writing on diverse topics. This course requires students to develop a basic research paper on a variety of issues from a global perspective and encourages the responsible use of technology and information skills to generate new knowledge.</p>	<p>X</p>	<p>X</p>	<p>X</p>
<p>Humanities or Social Sciences (6 credits)</p>	<p><b>HUGS 101 WORLD CULTURE I 3 CREDITS</b> The course is a critical study of the cultural evolution of humanity from its beginnings to the development of cities and urban life with attention to the ancient cities, especially those of the West. It studies aspects of culture from a transdisciplinary approach. The course is focused on the development, at a basic level, of the competences of critical thinking, ethics and diversity, and integrates the responsible management of technology and information technology for the search and use of information.</p>	<p>X</p>	<p>X</p>	<p>X</p>
	<p><b>HUGS 102 WORLD CULTURE II 3 CREDITS</b></p>	<p>X</p>	<p>X</p>	<p>X</p>

	<p>The course is a critical study of the cultural evolution of humanity from Middle Ages to modern time with attention to western cultural products. It studies aspects of culture from a transdisciplinary approach. The course is focused on the development of critical thinking skills, ethics and diversity and integrates the responsible management of technology and information technology for the search and use of information.</p>		
Spanish (3 credits)	<p><b>SPGS 152 - FUNDAMENTALS OF READING AND WRITING 3 CREDITS</b></p>		
	X	X	X
	<p>This course develops paragraph writing competencies and the characteristics and methods for the organization of ideas through the reading and analysis of texts. Basic elements of communication and the Spanish language are studied, in addition to the features of narrative and descriptive discourse. The course is based on the development of communicative competence and critical thinking, and it integrates the responsible use of technology and information.</p>		
Algebra or Pre-calculus (3 credits)	<p><b>MATH 151 - PRECALCULUS I 4 CREDITS</b></p>		
	X	X	X
	<p>This is a preparatory course for differential and integral calculus in one variable. It is designed for students who plan to earn a degree in science, engineering, computer science and math education. The fundamental concepts to be studied in this course are equations and inequalities, systems of linear equations, functions (linear, absolute value, radical, quadratic and part-based), polynomial and rational functions, exponential and logarithmic functions.</p>		