## Requisitos y su equivalencia en universidades de Estados Unidos

| Medicine (MD) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Requisitos | Equivalencia | Carolina | Cupey | Gurabo |
| Biology (8 credits) | BIOL 203 - GENERAL BIOLOGY 14 CREDITS | 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. |  |  |  |
|  | BIOL 204 - GENERAL BIOLOGY II 4 CREDITS | 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. |  |  |  |
| $\begin{aligned} & \text { Chemistry (8 } \\ & \text { credits) } \end{aligned}$ | CHEM 203 GENERAL CHEMISTRY 14 CREDITS | 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. |  |  |  |
|  | CHEM 204 - GENERAL CHEMISTRY II 4 CREDITS | 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. |  |  |  |



| Mathematics (6 credits) | This course develops introductory concepts of algebra such as, the study of rational numbers, reasoning, proportion, percentages, algebraic expressions, linear equations, uneven linear, and polynomial concepts. It emphasizes problem solving applied to daily life situations and other areas of knowledge. The course also focuses on the development of quantitative reasoning competence and it integrates the responsible use of technology and information. In addition to the three (3) weekly conference hours required, the student must attend three (3) weekly laboratory hours. |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | MATH 121 - INTERMEDIATE ALGEBRA 3 CREDITS |  |  |  |
|  | This course covers factorization of polynomials, linear inequalities, problem solving; absolute-value equations and inequalities; operations and simplifications with algebraic fractions; linear equation graphics, linear equations systems and solution methods; graphics, substitution and elimination. Topics include inequalities for two variables and rational exponentials, as well as solution of radical expressions, equations involving radicals, and quadratic inequalities. Emphasis is on problem-solving. |  |  |  |
| Behavioral and Social Science* (6 credits) | SOGS 201 - HUMAN BEING AND SOCIAL CONSCIOUSNESS 3 CREDITS | X | X | X |
|  | The course studies the social interaction and socialization processes that human beings undergo, from different theoretical perspectives. Exploration and explanation of the ways in which social stability is produced and reproduced over time. Critical analysis of social life, with the human being as primary subject and agent within the social structure. Emphasis on the development of different ideologies, forms of thought, and worldviews through which people interpret, and contribute to the production and reproduction of the social whole. The course contributes to the student's scholarly formation by providing a better understanding of the self within diverse social, cultural, and historical contexts. It is a competency-based course that encourages the responsible use of technology and information. This course will develop primary competencies such as, Critical thinking, Scientific inquiry, and Ethics and diversity, through the analysis and reflection on the topics and problems previously mentioned that permit the student to evaluate and propose solutions in regards to them. |  |  |  |
|  | SOGS 202 - QUESTIONING POLITICS ECONOMY 3 CREDITS | X | X | X |
|  | This course includes a critical analysis of the complex dynamics, processes, and institutions that constitute the political community. A political community comprehends, among other things, subjects articulated into particular and diverse social relations emanating from the actions of the institution we call the state. Examination of issues related to the different political and economic systems, as well as what should be expected by citizens in a democratic polity. Analysis of the impact on politics of contemporary phenomena such as neoliberalism, globalization, international relations, and threats to the environment. The course is competency-based and encourages the responsible use of technology and information. This course will develop primary competencies in Critical Thinking and Ethics and Diversity, through the analysis and reflection on the topics and problems mentioned above, that will permit the student to evaluate and propose solutions in regards to them. |  |  |  |
|  | SPGS 152 - FUNDAMENTALS OF READING AND WRITING 3 CREDITS | X | X | X |


| Spanish (3 credits) | 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. |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | ENGS 152 - FUNDAMENTALS OF SPEAKING, READING, AND WRITING ENGLISH I 3 CREDI | X | X |  |
| English (3 credits) | 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. |  |  |  |

