

**REAL-LIFE EXPERIENCE**

Beginning in the fourth year, students will focus on field experience of their choice (projects in companies, exchange programs, research projects, social projects, ventures, etc.).

YEAR	01		02		03		04		05											
SEMESTER/ CREDITS	01 / 21CRD		02 / 22CRD		03 / 21CRD		04 / 22CRD		05 / 23CRD											
<b>FOUNDATIONAL COMPUTER SCIENCE COURSES</b>	Mathematics I	4	Mathematics II	4	Mathematics III	4	Probability and Statistics	4	Compilers	4	Advanced Data Structures	4	CS Elective	4	Final Career Project I	3	Big Data	3	Cloud Computing	3
	General Chemistry	3	Physics I	4	Physics II	4			Databases II	3	Information Systems	4	Materials Science	4			Bioinformatics and Biostatistics	4	Final Career Project III	6
	Introduction to Computer Science	4	Object-oriented Programming I	4					Software Engineering I	4	Competitive Programming	4	Human-Computer Interaction	3			Security in Computing	3	Internet of things	3
	Discrete Structures I	4	Discrete Structures II	4	Object-oriented Programming I	4	Theory of Computing	4	Analysis and Design of Algorithms-ADA	4	Communication and Networking	3	Parallel and Distributed Computing	4	Final Career Project II	4				
					Computer Architecture	3	Databases I	4	Operating Systems	4					CS Elective	4				
					Platform Based Development	2	Algorithms and data structures	4												
<b>HUMANITIES, ART, SOCIAL SCIENCES (HASS) - ENGLISH</b>	Communication Laboratory I	3	Communication Laboratory II	3			Peru: Industrial Country?	2	Ethics and Technology	2	Developing Economies	3	Cultures of Governance and Distribution of Power	3			Negotiation & Leadership	3	HASS Elective	3
			Art & Technology	1							Image and Personal Branding	3	Critique of the Modern Age	3			Business Communication	2		
											English for STEAM	3								
<b>PROJECTS, INNOVATION, AND ENTREPRENEURSHIP</b>	Global Challenges	3	Introduction to Business Development	2	Business Management	2	Innovation and Product Development	2	Transdisciplinary Project III	2					"Real-life experience" Supervised local or global experience	8				
					Transdisciplinary Project I	2	Transdisciplinary Project II	2												

\*Subject to change due to the demands of the labor market and the holistic and global model of the university. The curriculum is flexible, allowing the student to, according to academic prerequisites, take courses from different semesters.