

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		06		07		08		09		10					
SEMESTER / CREDITS	01 / 22CRD		02 / 22CRD		03 / 21CRD		04 / 23CRD		05 / 21CRD		06 / 24CRD		07 / 8CRD		08 / 20CRD		09 / 21CRD		10 / 21CRD					
FOUNDATIONAL ENGINEERING COURSES	Mathematics I	4	Mathematics II	4	Mathematics III	4	Cellular and Molecular Biology	4	Biochemistry	4	Biodesign	3	Physiology and Physiopathology	3	Biomedical Instrumentation	4	Elective V	4					CONCENTRATION IN ENGINEERING	
	Physics I	4	Physics II	4	Thermodynamics	4	Fundamentals of Bioengineering	5	Signal and Systems Analysis	5	Biotransport	4	Occupational Safety and Health	3	Elective III	4	Elective IV	4						
	General Chemistry	3	Material Science	4	Probability and Statistics	4	Electric and Analog Circuits	5	Drawing and Design for Engineering	4	Biomechanics	4	Systems Biology	4	Elective IV	4								
	Experimental Chemistry	1	Object-oriented Programming I	4					Modeling and Simulation	3	Bioinformatics and Biostatics	4	Biomaterials	2										
	Introduction to Computer Science	4			Organic Chemistry	3							Elective I	4										
HUMANITIES, ART, SOCIAL SCIENCES (HASS) - ENGLISH	Communication Laboratory I	3	Communication Laboratory II	3	Peru: Industrial Country?	2	Ethics and Technology	2	Cultures of Governance and Distribution of Power	3	English for STEAM	3			Negotiation & Leadership	3			HASS Elective	3			MINOR Students will have the opportunity to deepen their studies in the area of engineering that they are most passionate about.	
			Art & Technology	1			Developing Economies	3			Image and Personal Branding	3			Business Communication	2								
											Critique of the Modern Age	3												
PROJECTS, INNOVATION, AND ENTREPRENEURSHIP	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	Thesis I	4			Thesis II	6				
					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.