

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 / SEMESTER / CREDITS	01 / 22CRD	02 / 24CRD	03 / 26CRD	04 / 25CRD	05 / 26CRD	06 / 24CRD	07 / 25CRD	08 / 8CRD	09 / 16CRD	10 / 6CRD	
FOUNDATIONAL ENGINEERING COURSES	Mathematics I 4 Physics I 4 General Chemistry 3 Introduction to Computer Science 4 Experimental Chemistry 1	Mathematics II 4 Physics II 4 Material Science 4 Object-oriented Programming I 4	Mathematics III 4 Thermodynamics 4 Probability and Statistics 4 Electrical Engineering 4 Introduction to Environmental Engineering 4	Oil Engineering 4 Electrical Machines 4 Heat Transfer 4 Hydropower 4	Natural Gas Engineering 4 Electric Power Systems and Power Electronics 4 Wind Energy 4 Automation Systems 4 Energy Legal Framework and Policies 4	Elective I 4 Photovoltaic and Solar Thermal Energy 4 Energy Planning and Economics 4 Thermal Machines 4	Elective II 4 Elective III 4 Energy Project Development 4 Energy Audit and Energy Efficiency 4 Occupational Safety and Health 3		Elective IV 4 Elective V 4 Elective VI 4		CONCENTRATION IN ENGINEERING
HUMANITIES, ART, SOCIAL SCIENCES (HASS) - ENGLISH	Communication Laboratory I 3	Communication Laboratory II 3 Art & Technology 1	Peru: Industrial Country? 2	Developing Economies 3 Ethics and Technology 2	Cultures of Governance and Distribution of Power 3 English for STEAM 3	Image and Personal Branding 3 Critique of the Modern Age 3 Business Communication 2	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.
PROJECTS, INNOVATION, AND ENTREPRENEURSHIP	Global Challenges 3	Introduction to Business Development 2 Transdisciplinary Project I 2	Business Management 2 Transdisciplinary Project II 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	