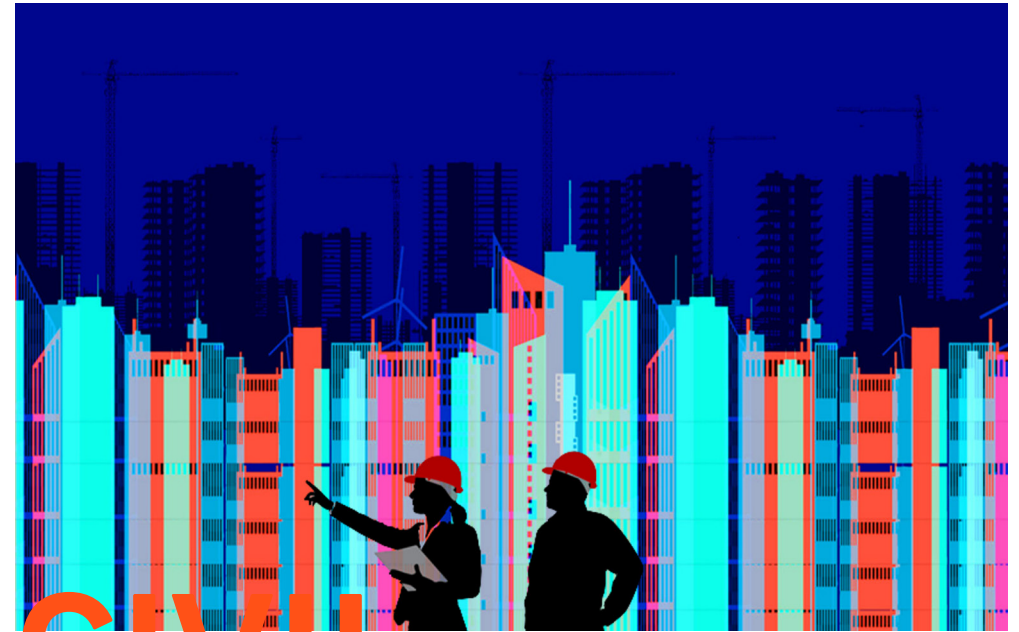




SPECIALIST CERTIFICATIONS

- Structures
- Virtual Design and Construction
- Project Collaboration Management
- Transportation and Geotechnics
- Risk Management in Construction Projects

FACULTY OF ENGINEERING



CIVIL ENGI NEE RING

The Civil Engineering Undergraduate Program strengthens the construction industry, and offers students a solid training in design and construction with great technical soundness. Moreover, students will learn to lead work teams, manage processes and costs, and develop ecofriendly projects that offer creative and innovative responses to the global construction sector.

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	NIVEL 7	LEVEL 8	LEVEL 9	LEVEL 10
BASIC MATHEMATICS 5	CALCULUS I 5	CALCULUS II * 4	DIFFERENTIAL EQUATIONS 4	DIGITAL PROGRAMMING 3	DYNAMICS 4	FLUID MECHANICS 4	HYDRAULICS 4	HYDROLOGY 4	HYDRAULIC RESOURCES ENGINEERING 3
PERSONAL AND SOCIAL DEVELOPMENT 3	LINEAR ALGEBRA 3	APPLIED CHEMISTRY 4	CONCRETE TECHNOLOGY 3	STATICS 4	CONSTRUCTION PROJECT MANAGEMENT I 3	CONSTRUCTION PROJECT MANAGEMENT II 3	OPERATION AND MAINTENANCE PROJECT MANAGEMENT 3	RESEARCH SEMINAR I 4	RESEARCH SEMINAR II 4
GLOBALIZATION AND CONTEMPORARY PERUVIAN ISSUES 3	ECONOMICS AND BUSINESS 3	GEOLOGY 4	APPLIED PHYSICS 4	CONSTRUCTION TECHNOLOGY I 3	CONSTRUCTION TECHNOLOGY II 3	NUMERICAL METHODS 3	STRUCTURAL ANALYSIS I 4	STRATEGIC CONTRACT MANAGEMENT 3	METAL AND WOODEN STRUCTURES 3
LANGUAGE AND COMMUNICATION I 4	LANGUAGE AND COMMUNICATION II 3	GRAPHIC ENGINEERING 3	BUILDING INFORMATION MODELING I 4	BUILDING INFORMATION MODELING II 4	RESISTANCE OF MATERIALS I 4	RESISTANCE OF MATERIALS II 4	TRANSPORTATION ENGINEERING II 3	EARTHQUAKE ENGINEERING 4	SUSTAINABLE INFRASTRUCTURES 3
RESEARCH METHODOLOGIES 3	PHILOSOPHY TOPICS 3	APPLIED STATISTICS AND PROBABILITY 3	SURVEYING 3	ENVIRONMENTAL ENGINEERING 3	SANITARY ENGINEERING 3	TRANSPORTATION ENGINEERING I 3	REINFORCED CONCRETE I 4	REINFORCED CONCRETE II 3	REAL ESTATE MANAGEMENT AND DEVELOPMENT 3
CIVIC ETHICS 2	SOCIAL AND POLITICAL PROCESSES 3	PHYSICS I * 4	BUSINESS ORGANIZATION * 3	SOIL MECHANICS I 4	SOIL MECHANICS II 4	ELECTROMECHANICAL ENGINEERING 3	LEAN PHILOSOPHY 3	VIRTUAL DESIGN AND CONSTRUCTION II 3	BRIDGES 3
MANDATORY CREDITS 20	MANDATORY CREDITS 20	MANDATORY CREDITS 22	CREATIVITY AND INNOVATION WORKSHOP * 2	MATERIALS TECHNOLOGY 2	MANDATORY CREDITS 21	LEADERSHIP AND ETHICS 2	MANAGEMENT SKILLS WORKSHOP * 3	STRUCTURAL ANALYSIS II 3	TUNNELS 3
			MANDATORY CREDITS 21	GEOMATICS 3		MANDATORY CREDITS 22	QUALITY MANAGEMENT 3	MANAGEMENT OF OCCUPATIONAL HEALTH AND SAFETY 3	STRATEGIC MARKETING 3
				MANDATORY CREDITS 21			VIRTUAL DESIGN AND CONSTRUCTION I 3	PRESTRESSED CONCRETE 3	DISASTER RISK MANAGEMENT 3
							WATER SUPPLY AND SANITATION 3	PAVEMENTS 3	PROJECT RISK MANAGEMENT 3
							GEOTECHNICS FOR TRANSPORTATION INFRASTRUCTURE 3	ECONOMIC ENGINEERING * 2	MANDATORY CREDITS 10
							MANDATORY CREDITS 18	MANDATORY CREDITS 15	

Mandatory subjects of the General Studies Program

Mandatory subjects of the Civil Engineering Undergraduate Program

Elective subjects of the Civil Engineering Undergraduate Program

Subjects in common among the undergraduate programs of the Faculty**



*

** The Faculty of Engineering comprises the Civil Engineering, Industrial Engineering and Systems Engineering undergraduate programs.

CREDIT SUMMARY

	CREDITS	TYPE OF CREDIT
General Studies	40	Mandatory
Faculty	150	Mandatory
Total Elective Subjects	15	Elective
Total Credits	205	

Subject to curricular change.