

# Industrial Engineering

Faculty of Engineering and Architecture



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## Major Diplomas in:

- Quality Systems
- Advanced Logistics
- Technological Innovation
- Environmental Sustainability
- Project Management
- Occupational Health and Safety
- Modeling and Optimization of Processes
- Commercial Engineering

In order to graduate from the Career of Industrial Engineering, students must prove that they have completed the intermediate level of English by submitting an English language proficiency certificate issued by any of the institutes recognized by the University of Lima.

## Industrial Engineering

The Faculty of Industrial Engineering offers students the knowledge to plan, organize and manage production processes of goods and services in a company. Thus, it has a curriculum designed to develop in graduates the skills to efficiently work using any business system and to generate economic activities in the industrial, commercial and services sectors.

LEVEL I	LEVEL II	LEVEL III	LEVEL IV	LEVEL V	LEVEL VI	LEVEL VII	LEVEL VIII	LEVEL IX	LEVEL X
			Statistics and Probability I 3 credits	Statistics and Probability II 3 credits	Operations Research I 3 credits	Operations Research II 3 credits	Process Simulation 3 credits	ERP Process Workshop 3 credits	Advanced Logistics 3 credits
Basic Mathematics 5 credits	Calculus I 5 credits	Calculus II 4 credits	Calculus III 4 credits				Predictive Analytics 3 credits	Supply Chain Management 4 credits	Logistic Process Modeling 3 credits
	Linear Algebra 3 credits				Quality Management 4 credits	Comprehensive Ergonomics Workshop 3 credits	Operations Planning and Control 4 credits	Process Improvement Workshop 3 credits	Management for Decision Making 3 credits
Research Methodologies 3 credits		Introduction to Process Analysis 3 credits			Work Design 4 credits	Facilities Design 4 credits	Material Transport System 3 credits	Lean Manufacturing 3 credits	Management Audit Internship 3 credits
	Social and Political Processes 3 credits	Software Tools 3 credits	Accounting Management 2 credits	Cost of Operations 2 credits	Economic Engineering 2 credits	Financial Administration 3 credits	Strategic Management 3 credits	Maintenance Management 3 credits	Occupational Risk Management 3 credits
	Economics and Business 3 credits		Business Organization 3 credits	Leadership Workshop 2 credits		Ethics and Social Responsibility 3 credits	Managerial Skill Workshop 3 credits	Occupational Health and Safety 3 credits	
Personal and Social Development 3 credits	Language and Communication II 3 credits				Strategic Marketing 3 credits	Commercial Management 3 credits	Project Formulation and Evaluation 3 credits	Business Game 3 credits	Human Capital Management 3 credits
Language and Communication I 5 credits						Patents, Brands and Franchises 3 credits	Business Analysis and Improvement 3 credits	Service Operation Management 3 credits	Global Commerce 3 credits
	Topics of Philosophy 3 credits	Creativity and Innovation Workshop 2 credits				Digital Marketing 3 credits		Project Management 3 credits	Industrial Competitiveness 3 credits
Globalization and Peruvian Social Issues 4 credits		Engineering Drawing 3 credits		Mechanics 4 credits			Industrial Architecture 3 credits	Thesis Project I 4 credits	Thesis Project II 3 credits
		Physics I 4 credits	Physics II 4 credits	Electrical Engineering 3 credits		Machines and Instruments 4 credits	Industrial Automation 3 credits	Technological Innovation Workshop 3 credits	
				Environmental Management 3 credits	Sustainable Development 3 credits	Industrial Materials 3 credits	Food Technology 3 credits	Clean Technologies 3 credits	
		General Chemistry 4 credits	Industrial Chemistry 4 credits	Thermodynamics 4 credits	Unit Operations and Processes 4 credits	Industrial Technology 4 credits	Textile Technology 3 credits		
Mandatory Credits 20	Mandatory Credits 20	Mandatory Credits 23	Mandatory Credits 20	Mandatory Credits 21	Mandatory Credits 20	Mandatory Credits 21	Mandatory Credits 19	Mandatory Credits 14	Mandatory Credits 12

Mandatory Subjects of the School of Liberal Arts

Mandatory Subjects of the Faculty of Engineering and Architecture\*

Mandatory Subjects of the Career of Industrial Engineering

Elective Subjects of the Career of Industrial Engineering

Credit Summary

Total Liberal Arts Subjects

Total Mandatory Subjects

Total Elective Subjects

Total Credits

Credits

M/E

40

M

150

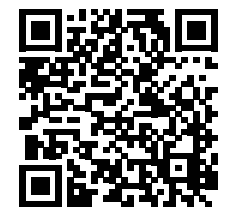
M

15

E

205

Subject to curricular change



\* The Faculty of Engineering and Architecture comprises the Careers of Architecture, Civil Engineering, Industrial Engineering and Systems Engineering