

Courses Catalog

INFORMATION SYSTEMS

TERM I

Discrete Math

Description: The subject is general training. It allows the student to develop skills and abilities in the use of the basic concepts of Discrete Mathematics oriented for Engineering; to solve problems in the field of mathematics.

The subject is developed through the following learning units: I. Logical Numbering Systems. II Sets and Binary Relations III. Boolean Algebra and Circuits IV. Graph

Requirements: None

Credits: 05

Analytic Geometry

Description: The subject is general training. It allows the student to develop skills in mathematical procedures applicable to the subsequent subjects of the mathematical line required for the training of the engineer.

The subject is developed through the following learning units: I. Real numbers. II. Rectangular coordinate system-Straight line. III. Functions. IV. Conic sections-polar coordinates

Requirements: None

Credits: 04


Philosophy

Description: The subject is general training. It allows the student to obtain a wide support of knowledge and assessments in all disciplines and human activities. It comprises the critical study of the basic and philosophical concepts of the great thinkers, the philosophical problems, in the four epochs of philosophical thought.

The subject is developed through the following learning units: I. Ancient philosophy. II. Medieval philosophy. III. Modern philosophy. IV. Contemporary philosophy.

Requirements: None

Credits: 03

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Intercultural Citizenship

Description:	<p>The subject is general training. It allows the student to recognize cultural diversity and the existence of different cultural perspectives, expressed in different forms of organization, systems of relationship and visions of the world, which implies the recognition and valuation of the other in the intercultural and social context.</p> <p>The subject is developed through the following learning units: I. Intercultural citizenship approach. II. Exclusion, ethnic identity and social inclusion policies in Peru. III. Citizenship Rights in Peru. IV. Good practices of intercultural citizenship in family, communicative, educational and labor relations.</p>
Requirements:	None
Credits:	02

Introduction to Information Systems


Description:	<p>The subject is part of the curricular area of Information Systems, whose purpose is to provide the student with a comprehensive vision of the profession and information systems, focusing on the different aspects that imply that it is to be an engineer in the specialty and its main activities. The subject is developed through three learning units: I. Engineering and Computing. II. Information Systems as a profession. III. Approach to problem solving and tools.</p> <p>The subject requires the student to prepare an integrative work.</p>
Requirements:	None
Credits:	02

Spanish

Description:	<p>The subject is general training. It allows the student to strengthen and demonstrate their communicative competence through their written and oral expression, valuing the importance of language in its relationship with the various spheres of human activity and in the exercise of its profession.</p> <p>The subject is developed through the following learning units: I. Reading Comprehension, II. Oral Expression, III. Drafting and IV. Communication.</p>
Requirements:	None
Credits:	02

Study Methods

Description:	<p>The subject is general training. It allows the student to participate actively in their learning process, guiding them in the search for appropriate study strategies according to their abilities, as well as</p>
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initiating the student in the research process through the development of a university monograph plan, using modern information and communication tools. The subject is developed through the following learning units: I. Learning strategies, II. Study techniques and their application, III. Information search tools. IV. The university monograph plan

Requirements: None

Credits: 02

Activities I – Chess

Description: The subject is general training. It allows the student to recognize the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values through teamwork, considering the ability to develop the technique through the learning of their respective foundations.

The subject is developed through the following learning units: I. History, location of the board, importance of the rules, displacement, value of each of the pieces and signs in chess, II. Annotation of the games, spectacular moves, castling, capture in step and crowned pawn, III. Phases of a game, classification of openings, ethics in chess, the digital and analog clock, IV. The check, checkmate, the tables, the double play, the play the nailed, semi nailed, intuition, initiative, valuation and calculation.

Requirements: None

Credits: 01

Activities I – Basketball

Description: The subject is general training. It allows the student to recognize the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values through teamwork, considering the ability to develop the technique through the learning of their respective foundations.


The subject is developed through the following learning units: I: History of basketball and rules of the game, II: Individual technical fundamentals, III. Concepts, IV: Game 5 vs.5

Requirements: None

Credits: 01

Activities I – Dance

Description: The subject is general training. It allows the student to recognize the importance of cultural activities as a source of holistic development, as well as to strengthen values and moral qualities

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through teamwork and the development of technique through the learning of their respective foundations.

The subject is developed through the following learning units: I: Folklore as a science / Basic preparation. II: The Coastal Dances. III: The Andean Dances. IV: The choreography.

Requirements: None

Credits: 01

Activities I - Digital Manufacturing

Description: The subject is general training. It allows the student to recognize the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values through teamwork, considering the ability to develop the technique through the learning of their respective foundations.

The subject is developed through the following learning units: I. Design and manufacture 2D in low thickness material, II. Design and manufacture 2D in high thickness material. III. 3D design and manufacturing, and IV. Introduction to electronics and project development.

Requirements: None

Credits: 01

Activities I – Football

Description: The subject is general training. It allows the student to recognize the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values through teamwork, considering the ability to develop the technique through the learning of their respective foundations.


The subject is developed through the following learning units: I. History and evolution of football in Peru and the world, II. Offensive and defensive principles in football, III. Football technique, contact surface, motion analysis, IV. Specific functions in football.

Requirements: None

Credits: 01

Activities I – Karate

Description: The subject is general training. It allows the student to recognize the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values through teamwork, considering the ability to develop the technique through the learning of their respective foundations.

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The subject is developed through the following learning units: I. Kihon II. Gohon Kumite, III. Kata and IV. Kumite.

Requirements: None

Credits: 01

Activities I – Theatre

Description: The subject is general training. It allows the student to recognize the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values through teamwork, considering the ability to develop the technique through the learning of their respective foundations.

The subject is developed through the following learning units: Unit I: Meeting with the Theater II: Scenic realization of the work to be represented, III: communication and IV: Stage production and its representation to the public

Requirements: None

Credits: 01

Activities I – Volleyball

Description: The subject is general training. It allows the student to recognize the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values through teamwork, considering the ability to develop the technique through the learning of their respective foundations.

The subject is developed through the following learning units: I: The current volleyball-theory of volleyball training. The most relevant rules of the game – the game sheet, II: fundamentals of volleying and the forearm, III: fundamentals of attack IV: Fundamentals of serve and game system

Requirements: None


Credits: 01

English I

Description: The subject is general training. It allows the student to acquire and demonstrate their communicative competence in everyday situations through the English language, with lessons aimed at developing their oral and written expression, as well as their oral and reading comprehension.

The subject is developed through the following learning units: I: Personal information, II: Activities of daily living, III: family and travel and IV: eating, drinking and shopping

Requirements: None

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Credits: 01

TERM II

Linear Algebra

Description: The subject is general training. It allows to promote in students the knowledge and techniques of linear algebra, develop skills and reasoning strategies to solve real-life problems, applying concepts, methods and techniques.

The subject is developed through the following learning units: I. Linear equations and matrices. II. Vectors in R^2 , R^3 and R^n III. Real vector spaces and IV. Linear transformations and matrices. Applications of linear algebra.

Requirements: None

Credits: 05

Calculus I

Description: The subject is general training. It allows the student of Engineering, to use a mathematical language, as a fundamental tool for the representation and construction of models, through mathematical functions, in the solution of situations-problem of daily life.

The subject is developed through the following learning units: I. Limit and continuity of functions, derived from algebraic and transcendent functions. Tangent and normal to a curve. II. Applications to the derivative. The maximums and minimums of a function. Problems of maximums and minimums. III. Curve layout. Indeterminate forms. IV. Differentials and antiderivatives. Indefinite integral. Integration techniques: by substitution, by parts, by trigonometric substitution and by partial fractions


Requirements: 09066801051 Discrete Math
09066301040 Analytic Geometry

Credits: 05

Introduction to Programming

Description: It is of nature specialty training, aimed at the student to identify, recognize and apply the logical structures of sequence, decision, repetition and data, in the design and development of solutions using pseudocodes, flow charts and a programming language.

Units: I. Basic concepts of algorithms, logical sequence structures and mathematical functions, II. Logical decision structures, III. Logical structures of repetition and chain handling, IV. Chain management. Array-type data structures: vectors and matrices. The subject requires the student to prepare an integrative work.

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Requirements: 09066801051 Discrete Math

Credits: 05

Web Design Fundamentals

Description: It is specialty training in nature; aimed at the student being able to carry out the activities of a Front – End developer with a vision to develop Web, Desktop and Mobile applications.

Units: I. Introduction to front-end fundamentals. II. Good practices in front-end development use of frameworks. III. Bootstrap framework of the front-end. IV. Angular framework of the front-end. The subject requires the student to prepare an integrative work.

Requirements: 09230001020 Introduction to Information Systems

Credits: 03

Introduction to Economy

Description: The subject belongs to the curricular area of Management and is of a theoretical-practical nature. It allows the student to use basic concepts of economic sciences and explain the functioning of the economic system through models with different levels of abstraction, in order to appreciate the economic reality of the country in a globalized environment. The subject is developed through the following learning units: I. Basic concepts and the model of the circular flow of the functioning of the economic system. II. The model of supply and demand and market equilibrium. III. The company, production, costs and market structures. IV. Macroeconomics and international trade.

Requirements: 09990601020 Intercultural Citizenship


Credits: 03

Activities II – Chess

Description: The subject is general training. It allows the student to strengthen the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values, through teamwork, considering the ability to develop the technique through the learning of their respective foundations.

The subject is developed through the following learning units: I. Annotation system – Signs – Castling – Sicilian opening – Indian opening of king variant II. The vision - vision class - the middle game - the strategy and strategic plan, III. Game of endings – ethics in chess, IV. Sports psychology – game of endings – analysis of a game of chess.

Requirements: TR000501010 Activities I

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Credits: 01

Activities II – Basketball

Description: The subject is general training. It allows the student to recognize the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values through teamwork, considering the ability to develop the technique through the learning of their respective foundations.

The subject is developed through the following learning units: I: History of basketball and rules of the game, II: Individual technical fundamentals, III. Concepts, IV: Game 5 vs.5

Requirements: TR000501010 Activities I

Credits: 01

Activities II – Dance

Description: The subject is general training. It allows the student to recognize the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values through teamwork, considering the ability to develop the technique through the learning of their respective foundations.

The subject is developed through the following learning units: Unit I: Ballroom Dancing. Unit II: The Creole Zapateo. Unit III: The Son of the Devils. Unit IV: Choreography.

Requirements: TR000501010 Activities I

Credits: 01


Activities II – Digital Manufacturing

Description: The subject is general training. It allows the student to recognize the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values through teamwork, considering the ability to develop the technique through the learning of their respective foundations.

The subject is developed through the following learning units: I. Design and manufacture 2D in low thickness material, II. Design and manufacture 2D in high thickness material. III. 3D design and manufacturing, and IV. Introduction to electronics and project development.

Requirements: TR000501010 Activities I

Credits: 01

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Activities II – Football


Description:	<p>The subject is general training. It allows the student to strengthen the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values, through teamwork; considering the ability to develop the technique through the learning of their respective fundamentals.</p> <p>The subject is developed through the following learning units: I. Technical Fundamentals II. Technical fundamentals and team mobility III. Fundamentals in game situation. IV. Defensive and offensive fundamentals.</p>
Requirements:	TR000501010 Activities I
Credits:	01

Activities II – Karate

Description:	<p>The subject is general training. It allows the student to strengthen the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values, through teamwork, considering the ability to develop the technique through the learning of their respective foundations.</p> <p>The subject is developed through the following learning units: I kion, displacement techniques, II. Sanbon kumite, III. Kata heian shodan, IV. Kumite.</p>
Requirements:	TR000501010 Activities I
Credits:	01

Activities II – Personal Marketing

Description:	<p>The subject is general training. It allows the student to complement the potentialities of their basic professional training, achieve integral communication and relate properly, through the development of a set of rules of Social Etiquette, Personal Image, Etiquette and Protocol that must be observed in the various fields of daily life.</p> <p>The subject is developed through the following learning units: I: Effective Communication, Image and Behavior Patterns. II: Social Skills, Emotional Intelligence and Motivation. III: Personal Marketing Strategies in Professional and Labor Career Management. IV: Social Etiquette, Personal Development and Protocol.</p>
Requirements:	TR000501010 Activities I
Credits:	01

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Activities II – Theatre

Description:	<p>The subject is general training. It allows the student to recognize the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values through teamwork, considering the ability to develop the technique through the learning of their respective foundations.</p> <p>The subject is developed through the following learning units: Unit I: theater as a means of expression, II: Choice and adaptation of the work, III: Reading, adaptation and quadrensional analysis of the character and IV: Assembly of the play.</p>
Requirements:	TR000501010 Activities I
Credits:	01


Activities II – Volleyball

Description:	<p>The subject is general training. It allows the student to recognize the importance of sport and cultural activities, as a source of physical and mental development, as well as to strengthen moral qualities and stimulation of values through teamwork, considering the ability to develop the technique through the learning of their respective foundations.</p> <p>The subject is developed through the following learning units: I: The current volleyball-theory of volleyball training. The most relevant rules of the game – the game sheet, II: fundamentals of volleying and the forearm, III: fundamentals of attack IV: Fundamentals of serve and game system</p>
Requirements:	TR000501010 Activities I
Credits:	01

English II

Description:	<p>The subject is general training. It allows the student to acquire and demonstrate their communicative competence in everyday situations through the English language, with lessons aimed at developing their oral and written expression, as well as their oral and reading comprehension.</p> <p>The subject is developed through the following learning units: I: On vacation, II: At work, III: Internet and entertainment activities, IV: Outdoor activities.</p>
Requirements:	TR000101010 English I
Credits:	01

TERM III

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Algorithms and Data Structures I

Description: It is of a specialty training nature, aimed at the student developing computer programs making use of the basic characteristics of object-oriented programming and storing data in arrays. The main topics to be discussed are: Classes and objects, attributes and methods, encapsulation, inheritance, polymorphism, method overload, algorithms with vectors.

Units: I. Introduction to Object-Oriented Theory, II. Algorithms for data manipulation in Vectors. III. Introduction to Object-Oriented Theory – Instance and Class Methods and Attributes. IV. Properties of Object-Oriented Theory: Heredity, Polymorphism and Encapsulation. Object Vectors.

The subject requires the student to prepare an integrative work.

Requirements: 09111402051 Introduction to Programming

Credits: 05

Physics I

Description: The subject is general training. It allows the student to apply the basic concepts and principles of physics and its use in the real world, for its development in the scientific and technological areas. The subject is developed through the following learning units: Unit I: Kinematics, Unit II: Dynamics, Work, Power and Energy, Unit III: Linear momentum. Shocks. Oscillatory motion, Unit IV: Fluid Mechanics -Thermodynamics.

Requirements: 09036602050 Linear Algebra
09065502050 Calculus I

Credits: 05

Information Technology I

Description: It is of a specialty training nature, aimed at the student acquiring the knowledge so that he can explain, define and establish the operation of electronic devices and computers from the point of view of the microcontroller and its interaction with the environment.

Units: I. Basic structure of a microcontroller. II. Basic input output software. III. Wired communication. IV. Wireless communication.


The subject requires the student to prepare an integrative work.

Requirements: 09111402051 Introduction to Programming

Credits: 05

Statistics and Probabilities I

Description: The subject is general training. It allows the student to access the basic concepts and principles of Descriptive and Probability

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Statistics, applied in various problems, in order to use them as an effective tool in the scientific and technological areas.

The subject is developed through the following learning units: I. General concepts and Data Organization. II. Descriptive Statistical Measures. III. Introduction to probabilities. IV. Discrete and Continuous Distributions.

Requirements: 09065502050 Calculus I

Credits: 04

Information Systems

Description: It is specialty training in nature; It contributes to the student knowing the technical bases, construction and benefits of the implementation and administration of information systems in organizations.

Units: I. Concept of Information Systems. II. Organizations, administration and the company in the network. III. Standardization Tools. IV. Applications of important systems in the digital age. The subject requires the student to prepare an integrative work.

Requirements: 09066502032 Web Design Fundamentals

Credits: 03

TERM IV

Algorithms and Data Structures II

Description: It is of nature specialty training, aimed at the student to develop basic web and mobile applications, interacting with a database from the application. Units: I. Web Programming with Spring Framework MVC, II. Web programming with Spring Framework and database connection, III. Mobile Application Programming, IV. Mobile applications with database connection. The subject requires the student to prepare an integrative work.

Requirements: 09005303051 Algorithms and Data Structures I


Credits: 05

Physics II

Description: The subject is general training. It allows the student to access the basic knowledge of the principles and laws that govern electrical and magnetic phenomena, as well as to train him in the application of this knowledge, through solutions of practical problems.

The subject is developed through the following learning units: I. Electrostatics II. Electric potential III. Electrodynamics. IV. Magnetic field and electromagnetic induction.

Requirements: 09005603053 Physics I

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Credits: 05

Statistics and Probabilities II

Description: The subject is general training. It allows the student to access the basic concepts and methods of statistics to be applied in the scientific and technological areas.
The subject is developed through the following learning units: Sample distributions. II. Estimation of Parameters. III. Hypothesis Testing and Categorical Data Analysis. IV. Regression analysis and simple correlation.

Requirements: 09005403040 Statistics and Probabilities I

Credits: 04

Microeconomy

Description: The subject belongs to the curricular area of Management and is of a theoretical-practical nature. This subject offers students the basic tools necessary for economic analysis, specifically addressing the behavior of consumers-families and producers-companies. To achieve this end, the course is divided into three learning units: I Introduction to economic analysis and demand theory, II Theory of the firm or theory of supply, III Market structures and price formation.

Requirements: 09127402031 Introduction to Economy


Credits: 04

Information Technology II

Description: It is of nature specialty training, which is dictated in order for the student to know the complete structure of a current computer, and to know how its functional units are related. This knowledge forms the basis for understanding and operating a microcomputer. Know the basics of operating systems and computer security in these. Understand how local area networks work.
Units: I. Introduction to the personal computer. II. Operating Systems. III. Communications networks.
The subject requires the student to prepare an integrative work.

Requirements: 09111503051 Information Technology I

Credits: 04

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TERM V

Process Management

Description: It is specialty training in nature; Oriented to the student to understand the environment in which the company operates, the factors that influence its performance, the internal processes patterns and its contribution to the strategy and generation of value. Units: I. Business Context and Business Modeling. II. Business Process Patterns. III. Standardization Tools. IV. Process improvement.

The subject requires the student to prepare an integrative work.

Requirements: 09006904051 Algorithms and Data Structures II
09127603031 Information Systems

Credits: 05

Database Theory and Design

Description: It is of a specialty training nature, aimed at the student to understand the functions of database management systems; describe various existing data models and the feasibility of their application in solving data storage problems that allow you to generate information for the organization; implement the different constraints that may arise within the relational model, apply the different forms of normalization; design and build a database for some type of organization by using modeling diagrams; develop data extraction queries using the SQL language, such as manipulating, describing and controlling data; connect applications with database; and implement non-relational structures. Units: I. Fundamentals of database and the relational model. II. Model and design of relational databases. III. SQL Language and Database Connection. IV. Non-relational database model and design.

The subject requires the student to prepare an integrative work.


Requirements: 09006904051 Algorithms and Data Structures II

Credits: 05

General Accounting

Description: The subject is part of the curricular area of Management, is theoretical-practical in nature, allows the student to apply concepts, principles and standards of financial accounting, in order to prepare and interpret the statement of profits and losses, the balance sheet, and the statement of cash flow.

The subject is developed through the following learning units: I. Fundamentals of Financial Accounting, the statement of profit - losses and the balance sheet in a commercial company. II. The main accounting books: the journal and the general ledger, III. The profit and loss statement and balance sheet in an industrial enterprise, IV. Cash flow and introduction to managerial accounting.

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Requirements: 80 Credits Approved

Credits: 04

Administrative Engineering

Description: The subject is part of the curricular area of Management, is theoretical-practical in nature, The purpose of the subject is to know, understand and apply the administrative process, as well as the different approaches of the General Theory of Administration (TGA), which will be put into practice using the model of effective strategic administration under the philosophy of the BSC. The philosophy of the business (validation of vision, mission, values, policies), strategic diagnosis in business (EFI-EFE;) internal and external analysis in an organization, Critical factors for success in a business and validation of a company through the competitive profile matrix, generation of strategies through the matrix of the FLOR matrix, Strategic alignment, structural analysis, methodological route, the use of the balanced scorecard (BSC): construction of strategic maps, matrix dashboard and work in soft application. Functional deployment, competency-based management.

The course is developed through the following learning units. Introduction to the general theory of management. II. The administrative process. III. Organizational development and change. IV. Quality management.

Requirements: 09007704041 Microeconomy

Credits: 04


Operating Systems and Platforms

Description: It is of nature specialty training that provides an overview of the Operating Systems, Platforms and Tools that allow the administration and management of the technology ecosystem that exist in the market in order to have the concepts to build an enterprise type solution. Units: I. Virtualization. II. Identity and Access Management. III. Network Infrastructure Services. IV. Enterprise-class platforms

The subject requires the student to prepare an integrative work.

Requirements: 09114904041 Information Technology II

Credits: 04

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TERM VI

Software Engineering I

Description: It is of nature specialty training, aimed at the student being able to perform the activities of the phases of initiation, planning, implementation, review, retrospective and launch of an agile method.

Units: I. Software Engineering. II. Initiation. III. Software Development Process and Software Implementation. IV. Review, retrospective and release.

The subject requires the student to prepare an integrative work.

Requirements: 09093205052 Process Management
09140005040 Operating Systems and Platforms

Credits: 05

Programming I

Description: It is specialty training in nature. It is aimed at the student acquiring knowledge and techniques necessary for the development of multiplatform applications oriented to Web.

Units: I. Introduction to Web application architecture. II. Implementation of cross-platform applications. III. Design Patterns. IV. Trends in Web Architecture.

The subject requires the student to prepare an integrative work.

Requirements: 09008905051 Database Theory and Design

Credits: 05

Costs Engineering

Description: The subject is part of the curricular area of Management, is of a theoretical-practical nature, the development of the subject is focused on productive companies and related services in order to expose in detail the cost structure of goods and services and highlighting the benefit / cost of increasing added value.


The subject is developed through the following learning units: I. Nature, Classification and Components of Costs. II. Variable Costing, Absorption Costing and Cost-Volume-Utility Analysis. III. Process Costing and Order Costing. IV. Joint Costing.

Requirements: 09012205045 General Accounting

Credits: 04

Operations Research I

Description: The subject is part of the curricular area of Production and Industrial Engineering, the development of the subject is theoretical-practical and its learning allows the student to solve

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business problems; manage projects and interpret computer-aided Linear Programming models.

The subject includes the learning units: I. Formulation / Construction of Mathematical Models of Linear Programming for Quantitative Decision Making and its mathematical solution applying Geometric method II. Interpretation of the solution and Analysis of the effect on the solution by changes in the parameters of the model (geometric approach). Solution of Linear Programming models by Algebraic Method. III. Solution of Linear Programming Models by Simplex Method. Use of computer-aided applications in solving Linear Programming problems. VI. Special PL models: Networks. Problems of Transport, Assignment and the Longest Route (Projects with PERT/CPM techniques).

Requirements: 09006004040 Statistics and Probabilities II
09230001020 Introduction to Information Systems

Credits: 04

Systems General Theory

Description: It is of specific training nature, oriented to the student to understand and apply the fundamentals of the general theory of systems, through the acquisition of systemic thinking applicable to the generation and development of systems, information and communication technologies, as well as the valorization of its importance and influence within the framework of computer engineering, related systems and fields. Units: I. Fundamentals of the General Theory of Systems and Application. II. Organization: complexity and balance. III. Dynamics and Simulation of Systems. IV. Methodology of MSB soft systems.
The subject requires the student to prepare an integrative work.

Requirements: 09009005044 Administrative Engineering


Credits: 04

TERM VII

Software Engineering II

Description: It is of nature specialty training, aimed at the student being able to perform the activities of the phases of: initiation, planning, implementation, review, retrospective and launch through an agile method. In addition to applying software analysis, design, coding and testing. Units: I. Product process with agile methodology: initiation, planning and estimation phases. II. Product process with agile methodology: development phase. III. Product process with agile methodology: review and retrospective phase. IV. Product process with agile methodology: launch phase.
The subject requires the student to prepare an integrative work.

Requirements: 09011906051 Software Engineering I

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Credits: 05

Financial management

Description: The subject is part of the curricular area of Management, it is of a theoretical-practical nature. It allows the student to know and apply concepts, techniques and tools necessary to make financial decisions aimed at maximizing the value of the company considering the benefits, costs and risks associated with those decisions.

The subject is developed through the following learning units: I. Fundamentals of Financial Management. II. Elements of Financial Analysis and Planning. Short-Term Financial Decisions. III. Fundamental Concepts of Financial Mathematics. IV. Long-Term Financial Decisions.

Requirements: 09013106042 Costs Engineering

Credits: 04

Artificial Intelligence

Description: It is of nature specialty training, aimed at the student acquiring the concepts related to the Theory of Automata, Artificial Intelligence and Machine Learning, their techniques and the procedures used to solve problems related to the specialty.

Units: I. Theory of Automata-Formal Languages. II. Machine learning. III. Machine learning techniques. IV. Artificial Intelligence
 The subject requires the student to prepare an integrative work.


Requirements: 09067106051 Programming I

Credits: 04

Disability and Inclusion

Description: The subject is general training. It allows the student to identify the conceptual, historical, philosophical and normative foundations of the social model, analyzing the rights of persons with disabilities, in accordance with the provisions of the Convention on the Rights of Persons with Disabilities (CRPD) and considering the existing regulations in this regard in the national and international framework in relation to the types of discrimination based on disability, and the jurisprudence emanating from the CRPD to prevent and confront acts such as social, economic and labor exclusion, among others, affecting their development on equal terms.

The subject is developed through the following learning units: I. General aspects of disability, II. National and international legal and regulatory framework, III. Universal Design, Accessibility and Reasonable Accommodation IV. Situation of persons with disabilities in Peru.

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Requirements: 133 Credits Approved

Credits: 01

Software Architecture for IS

Description: It is of nature specialty training, has the purpose of enhancing in the student their skills to analyze and design a software architecture for information systems. The following contents are developed: Introduction to software architecture, views and styles of architecture, software quality requirements, architectural software layout, architecture patterns, service-oriented architecture, Architectures in Cloud Computing, Architectures for software in mobile devices and documentation of a software architecture.
The subject requires the student to prepare an integrative work.

Requirements: 09011906051 Software Engineering I

Credits: 02

TERM VIII

Project Workshop


Description: It is of an applicative nature; allow the student to develop their ability to solve a real problem situation through the development of a highly innovative project, apply the skills of initiative, research, creativity, for the design of the solution; responsibility, commitment and self-management of the team to successfully manage the project; self-demand to respond to the parameters of quality and improvement of the solution; Communication and reflection to disseminate the results of the project. The teacher assumes different roles in the development of the course, however, maintains the role of guide and observer of the students in the application of concepts and their creative involvement.
Units: Unit: I. Design of innovative solutions. Unit: II: Project management and modern applications. Unit III: Integration and continuous delivery. Unit IV: Presentation and evaluation of results.
The subject requires the student to prepare an integrative work.

Requirements: 09013707051 Software Engineering II
09140707040 Artificial Intelligence

Credits: 05

System Design and Implementation

Description: It is of nature specialty training, oriented so that the student acquires concepts and practices for the analysis and design of

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information systems. The subject deals with the analysis and design of Information Systems as a systemic and systematic procedure aimed at defining in a logical and coherent way the activities that a team must carry out to achieve the successful implementation of Information Systems in an organization. The topics of information systems are analyzed to protect the company by reducing risks, reducing uncertainty and affirming the level of organizational success. Units: I. Business Analysis, II Business Architecture, III Analysis and Design of Information Systems, IV Systems Implementation.

The subject requires the student to prepare an integrative work.

Requirements: 09013707051- Software Engineering II

Credits: 04

Project Formulation and Evaluation

Description: The subject is part of the curricular area of Management, it has a theoretical-practical character. At the end of the subject, it will allow the student to develop their ability to identify a business idea, make a diagnosis and identify the central problem and its alternative solution, developing it through a project. It distinguishes the difference between a profile, a pre-feasibility study and a feasibility study, studies the market, the technical aspects of the project, the size and location of the plant, the legal aspects, the environment, the investment, its financing, the economic-financial flows and finally evaluates on the basis of the techniques studied. Students in working groups apply all the theoretical development and practices in the laboratory, to a project that they propose is discussed and approved at the beginning of the cycle and developed according to the three major learning units: I. Economy, investment projects and Market. II. Project Formulation. II. Project evaluation.

Requirements: 09014507042 Financial Management

Credits: 04

IT Resource Management

Description: It is of a specialty training nature, aimed at the student to properly manage information technology resources, to generate competitive advantage in decision-making in organizations. Units: I. Management of information technology resources. II. IT area, change process in the company, architecture, planning and IS integration models. III. Data center, operations management, ITIL services. IV. Outsourcing and services. E-Government and IT Governance

The subject requires the student to prepare an integrative work.

Requirements: 09013707051 Software Engineering II

Credits: 04

Introduction to Informatics Research

Description: It is specific training in nature. The intention of this subject is to answer (in the first part of the subject) the following questions: What characterizes that a work is considered a research? What are the research topics in the field of informatics? Where are these research papers published? Where do I find researchers on topics of interest to me? Who are the most important researchers in my possible topics of interest? This first part will conclude with a report of what has been learned and the decision to develop a research topic or, otherwise, choose to develop a search for information for a possible professional project. In the second part of the subject will be carried out:-The approach of a possible investigation, emphasizing the identification of the essential bibliography and the theme and objectives of the possible investigation'-Identification of bibliographic sources for the timely definition of a possible professional project. In both cases, the intention is that these works are used as proposals for the subject of Project I.

Units: I. Fundamental knowledge. II. Exploration of Personal Interest III. Development of individual work. IV. Technology manager and responsible conduct in CRI research

The subject requires the student to prepare an integrative work.

Requirements: 156 Credits Approved

Credits: 02

Business Architecture

Description: It is specialty training in nature; oriented to the student to understand that the organization must create a unified environment of Information Technologies through the business units related to business processes and their strategy, in order to make the implementation of Information Technologies cheaper, more strategic and more responsible.

Units: I. Concepts of architecture in information systems. II. Business modeling TOGAF preliminary phase, A, B. III. Business modeling TOGAF phase C, D, E, F. IV. TOGAF Business Modeling phase G and business continuity.

The subject requires the student to prepare an integrative work.


Requirements: 09008806041 Systems General Theory
09140507020 Software Architecture for IS

Credits: 04

TERM IX

Business Intelligence

Description: It is specialty training in nature; oriented to the student to identify, recognize and understand and apply the basic concepts of a Business Intelligence solution aligned to the business strategy,

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based on creating a culture of information analysis; identify technological elements necessary to successfully implement a Business Intelligence solution, exercising them throughout the program; know and understand the benefits for organizations of management initiatives based on Business Intelligence solutions. Units: I: Information and Information Systems. II: Business and Data Modeling. III: Multidimensional Models and Dashboards. The subject requires the student to prepare an integrative work.

Requirements: 09128808041 Business Architecture

Credits: 04

IT Strategic Planning

Description: It is specialty training in nature; oriented so that the student is endowed with the professional criteria focused on leadership and management of information technologies in the search for competitive advantages in the Organization. Units: I. Strategic business planning and its relationship with the planning of information technologies. II. Strategic Alignment and IT Governance. III. Formulation of the strategic plan for information technologies. The subject requires the student to prepare an integrative work.

Requirements: 09066408041 IT Resources Management


Credits: 04

Project I

Description: It is specialty training in nature; aimed at the student acquiring basic concepts and methodologies for the development of research projects leading to the solution of problems in the company or through an enterprise; within the specialty of Computer and Systems Engineering. The projects are identified and selected by the students, within Thematic Areas proposed by the professor of the subject, the business environment or the research centers of the Faculty. The expected product is to complete the RESEARCH WORK PLAN as a Final Degree Project with the correct definition of a case study. Units: I. Introduction and Basic Concepts. II. Problem Selection. III. Project Formulation. IV. Knowledge Management Project. The subject requires the student to prepare an integrative work.

Requirements: 09112108050 Project Workshop
09054808041 Project Formulation and Evaluation

Credits: 04

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Information Systems Security and Audit

Description: It is specialty training in nature; oriented to the student to identify the elements of risks that infringe the regulations established by the companies or situation that endanger the integrity of the Business. Units: I. Security in IS. II. Information Security Management System (ISMS). III. Information Security Plan (PSI). IV. Introduction to systems auditing and internal control. The subject requires the student to prepare an integrative work.

Requirements: 09072108041 System Design and Implementation

Credits: 04

Oratory and Leadership

Description: The subject is general training. It allows the student to master the techniques of oral and gestural expression applied to communication processes, as well as to develop leadership skills for their professional development through teamwork. The subject is developed through the following learning units: I. Leadership: concepts and styles II. Culture and values in leadership III. Persuasive oratory (Oratory of multitudes). IV. Deliberative Oratory (Debates) and Nonverbal Communication.

Requirements: 100 Credits Approved

Credits: 02

TERM X

Digital Marketing


Description: It is specialty training in nature. The subject offers the student a complete strategic vision of the discipline of Digital Marketing developed in the main media and CMS. Units: I. Implementation of wordpress, themes, and plugins. II. Implementation of e-commerce / forms / chatbots. III. SEO analysis / SMO / podcast / e-mail marketing. IV. Development of inbound marketing campaign and web analysis. The subject requires the student to prepare an integrative work.

Requirements: 09054808041 ProjectS Formulation and Evaluation

Credits: 04

Project II

Description: It is specialty training in nature; oriented to the student to execute the development of the RESEARCH WORK and culminates with the report and support as the final project of the subject. The project must be oriented to the solution of a real problem in a company or an enterprise. In the support of the project, the functionality of the product, component or service developed is

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demonstrated. Likewise, the technical support of the thesis project is expected, according to the methodologies for the development of information systems, web applications and / or software development, in addition to the use of techniques for a quantitative or qualitative research that is subjected to the validation of an exploratory or experimental test based on the case study. Research article is written.

Units: I. Introduction and Entry Review. II. Theoretical Framework. III. Project Development. IV. Project Support.

The subject requires the student to prepare an integrative work.

Requirements: 09067309041 Project I

Credits: 04

Ethics and Moral

Description: The subject is part of the Humanities curriculum area and is theoretical in nature. It contributes to the integral formation of the student, promoting the knowledge and the acquisition of ethical and moral values. The subject is developed through the following learning units: I. Foundation and assessment of Ethics. II. The subject of Ethics. III. The human being and its functioning. IV. Ethics and technology.

Requirements: 170 Credits Approved

Credits: 02

Pre-professional Practices

Description: Subject of practical nature, is developed in a company or public or private institution, aims to complement the training of the student in their knowledge and improve professional skills through pre-professional practice in the different areas of their professional career and according to their current curricular plan. The subject requires the student to prepare a report of pre-professional experience that has an integrative nature.

Requirements: 154 Credits Approved
6 months of pre-professional internships completed


Credits: 01

SPECIALTY ELECTIVES

INFORMATION SYSTEMS

Database Administration

Description: It is specialty training in nature; It helps the student acquire knowledge and techniques necessary for database administration

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and configuration. Units: I. Fundamentals and database configuration. II. Data manipulation, SQL and PLSQL. III. Database Security. IV. Undo and backup management. The subject requires the student to prepare an integrative work.

Requirements: 09008905051 Database Theory and Design

Credits: 04

E-commerce

Description: It is of nature specialty training, contributes to the student being able to understand the impact of information systems in the business environment, through the application of electronic commerce solutions. It is necessary for students to have an advanced knowledge of the English language. Units: I. Introduction to E-Commerce. II. Analysis of the E-Commerce Environment. III. Business Model for E-Commerce. IV. E-Commerce Project. The subject requires the student to prepare an integrative work.

Requirements: 134 Credits Approved

Credits: 04

Big Data


Description: It is specialized training in nature; oriented so that the student understands and applies the basic concepts of BIG DATA analysis, the key activities of Artificial Intelligence and Data Science in organizations. The conceptual bases of Statistical Analysis, Machine Learning, Edge Computing and Cognitive Systems are studied, as well as their importance in today's society. Different tools available for Big Data and Machine Learning are applied. Units: I. Conceptual bases of Artificial Intelligence. II. Data analysis. III. BIG DATA activities. IV. End of course project. The subject requires the student to prepare an integrative work.

Requirements: 150 Credits Approved

Credits: 03

Knowledge Management

Description: It is specialty training in nature; Oriented to the student to understand and apply the key activities of knowledge management in organizations. The conceptual bases of knowledge management and its importance in today's society are studied. The strategic approach to knowledge management is explained and valued. Models, tools and techniques for knowledge management and intellectual capital models are presented. Students will develop various reading and research activities and the development of a knowledge management project applied to a

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company. Units: I. Conceptual bases of knowledge management. II. Strategic approach to knowledge management. III. Knowledge management activities. IV. Knowledge Management Project
 The subject requires the student to prepare an integrative work.

Requirements: 150 Credits Approved

Credits: 04

Integrated Management Systems- ERP

Description: It is specialty training in nature; It helps the student identify and analyze the nature and composition of ERP (Enterprise Resource Planning) systems and their integration with other technologies, framing them in the business management process, where they play an important role, valuing their relevance in the exercise of their profession. Units: I. ERP Systems II. Integration of ERP Systems with other technologies III. Situation and trends of the ERP Systems market.

The subject requires the student to prepare an integrative work.

Requirements: 09066408041 IT Resources Management

Credits: 04

Business Creativity Workshop

Description: It is of nature specialty training and addresses issues related to the creation of a company, from the conception of the original idea, the design and tangibilization of the product or service, financing, its launch and support. Through the formation of work teams, an idea is developed in detail and two commercial projects are formulated to obtain private financing, the same one that is exposed. Debates are held on selected readings, as well as individual exhibitions in public to develop or improve the exhibition capabilities of business plans aimed at attracting investors / or financing. Emphasis is placed on the creative process underlying the conception of new products and the assumptions that anchor a product or service to the market.

Units: I. From Idea to Product. II. Prototypes. III. Entrepreneurship. IV. Labor Competencies.

The subject requires the student to prepare an integrative work.


Requirements: 09112108050 Project Workshop

Credits: 04

External Rotation IS

Description: It is specialty training in nature. The purpose is to complement knowledge of information systems at national or international level in accordance with current student mobility agreements.

Students who meet the requirements established in the regulations on academic mobility of students and teachers may enroll in

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subjects offered by the receiving university. The purpose is to increase their possibilities of comprehensive training, through an inter-institutional academic experience of a complementary nature and making the most of the potential, resources and comparative advantages of each institution.

Requirements: 09011906051 Software Engineering I
 09067106051 Programming I
 09013106042 Costs Engineering
 09008806041 Systems General Theory
 09008506043 Operations Research I

Credits: 02

INFORMATION TECHNOLOGY

Networking and Connectivity I (CCNA I Cisco)

Description: It is specialty training in nature; It helps the student to access the basic foundations of networks, the understanding of reference models and the development of strategies for solving basic connectivity problems in small networks.

Units: I. Basic concepts of communications. II. Switching operations and IP protocol characteristics. III. IPv6 addressing and subnetting. IV. Design, security, performance, and troubleshooting considerations in network architectures.

The subject requires the student to prepare an integrative work.

Requirements: 09140005040 Operating Systems and Platforms


Credits: 04

Networking and Connectivity II (CCNA II Cisco)

Description: It is specialty training in nature; It helps the student achieve greater specialization in the field of networking related to the administration of switches and routers (communications equipment) based on the configuration of routing protocols. The subject focuses on: switching technologies and router operations that support small and medium-sized business networks and includes wireless local area networks (WLANs) and security concepts. Students learn key switching and routing concepts. They can perform basic network configurations and troubleshooting, identify and mitigate LAN security threats, and configure and secure a basic WLAN.

Units: I. Switch configuration, virtual networks (VLANs), routing between VLANs, spanning tree protocol II. Introduction to scalable networks LAN intermediate device configuration, link aggregation and DHCP III. Configuration of first-hop redundancy protocols, attack mitigation, and wireless networks IV. Routing basics, static routing.

The subject requires the student to prepare an integrative work.

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Requirements: 090675E2041 Networking and Connectivity I (CCNA I Cisco)

Credits: 04

Networking and Connectivity III (CCNA III Cisco)

Description: It is specialty training in nature. Describes the architecture, components, and operation of communication devices (routers and switches) in complex networks. Describes the architectures and considerations related to the design, security, operation, and troubleshooting of enterprise networks. This subject covers wide area network (WAN) technologies and quality of service (QoS) mechanisms used for secure remote access along with introduction of software-defined networking, virtualization, and automation concepts that support network digitization. Students gain skills to configure and troubleshoot enterprise networks, and learn to identify and protect against cybersecurity threats. Units: I. Concepts and configuration of single-area ospfv2, WAN, and network security II. Concepts and configuration of ACLs and NAT for ipv4 III. VPN and ipsec concepts, QoS, and network management and design IV. Network troubleshooting, virtualization, and network automation.
The subject requires the student to prepare an integrative work.

Requirements: 090676E2041 Networking and Connectivity II (CCNA II Cisco)

Credits: 04

Information Security

Description: It is specialty training in nature. It allows the student to develop a broad knowledge about security concepts for both operating system platforms, networks and computer management, and the ability to apply the knowledge to the development of a secure infrastructure in a company.
Units: I. Security and Security Systems in the Network Infrastructure. II. Access Control. III. Analysis of Security Information and Cryptography. VI. Organizational Security
The subject requires the student to prepare an integrative work.


Requirements: 09067909041 Information Systems Security and Audit

Credits: 04

SOFTWARE ENGINEERING

Software Quality

Description: It is specialty training in nature; Aimed at the student to acquire solid knowledge in the new approaches of administration, improvement and quality assurance of the processes of management, development and maintenance of the software.
The subject requires the student to prepare an integrative work.

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Requirements: 091124E3041 Software Testing

Credits: 04

Applications Development I

Description: It is of nature specialty training, aimed at the student to develop applications using modern techniques and tools. It includes the units: I. Introduction to the life cycle in information systems. II. Internet of Things (IoT). III. Blockchain. IV. Data Engineering. The subject requires the student to prepare an integrative work.

Requirements: 09067106051 Programming I

Credits: 02

Applications Development II

Description: It is of nature specialty training, aimed at the student to develop applications using modern techniques and tools. It comprises the units: I. Machine learning. II. Immersive technologies. III. Digital twins. IV. Metaverse. The subject requires the student to prepare an integrative work.

Requirements: 090659E7020 Applications Development I

Credits: 02

Programming II


Description: It is of nature specialty training, aimed at the student to describe and apply good practices and patterns of software design, implement Web applications using various Frameworks and data persistence mechanisms. Units: Design patterns – MVC framework and data persistence mechanisms in Java, testing of a project. The subject requires the student to prepare an integrative work.

Requirements: 09067106051 Programming I

Credits: 04

Software Testing

Description: It is specialty training in nature, aimed at providing students with the various roles involved in software development and testing, an overview of the concepts, the testing process and the test maturity model, which facilitate the implementation of practices within the organization. Units: I. Fundamentals of testing through the software development cycle. II. Static techniques. III. Test design techniques. IV. Test Management and Testing Tools. The subject requires the student to prepare an integrative work.

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Requirements: 09013707051 Software Engineering II

Credits: 04

FREE

Games Development

Description: It is of specific training nature, addressing a target audience with a taste for video games and the curiosity to create them, as well as the theory that involves the theme of it. Students will learn the theoretical part that involves the general concepts of games and development being these developed in a two-dimensional and three-dimensional environment. In the subject, a group project is carried out, which requires students to cover all phases of development until the implementation and evaluation of a first prototype. Units: I. General concepts of games, development and introduction to the development environment. II. Logic and development of retro games without enemies. III. Logic and development of games of high business impact. IV. Trends in the development of video games.
The subject requires the student to prepare an integrative work.

Requirements: 09013707051 Software Engineering II

Credits: 04

Strategic Management


Description: It is of specific training nature, it allows the student to access the basic knowledge of Strategic Business Management regarding the formulation, implementation and evaluation of strategies.
The subject is developed through the following learning units: I. Introduction to Strategic Management. II. Strategy Formulation: External Analysis III. Strategy formulation: Internal analysis and strategy selection. IV. Implementation and evaluation of the Strategic Plan.
The subject requires the student to prepare an integrative work.

Requirements: 120 Credits Approved

Credits: 04

Operations Research II

Description: The subject is part of the curricular area of Production and Industrial Engineering, it has a theoretical-practical character. It allows the student to develop the ability to build simulation models based on real situations using models, deterministic and probabilistic techniques of Operations Research for optimal decision making.
The course is developed through the following learning units:

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I. Deterministic Dynamic Programming. II. Theory of waiting lines. III. Discrete simulation of systems. IV. Decision analysis. V. Markov analysis.

Requirements: 09008506043 Operations Research I

Credits: 04

Project Management-PMI

Description: The subject is part of the curricular area of Management, it is theoretical-practical, the subject seeks that the student understands, how variables are interrelated and interact, such as human resources, time, financial, operational, communicational resources and even risk when carrying out a project. The course aims to teach that, in project management, achieving goals when conditions have changed implies the redefinition of these, it also shows the importance of the management of work teams, their training and development, organizational structures, communications and leadership.

The course is developed through the following learning units:
 I: Framework for Project Management, Project Management Processes II. Integration Management. III. Project Scope, Time and Cost Management. IV. Quality Management, Human Resources and Communication. V. Risk and Procurement Management. VI. Professional and Social Responsibility.

Requirements: 09054808041 Projects Formulation and Evaluation


Credits: 04

Organizational Behavior

Description: It is specific training in nature. It provides comprehensive knowledge of human behavior in organizations and develops organizational behavior management skills. It is oriented to the achievement of labor competencies for the efficient management of workers, groups, and interpersonal processes in the environment of organizations; developing effective strategies to achieve better performance, contribute to the consolidation of an ethical culture based on institutional objectives and face change as one of the main challenges that organizations face. Units: I. Fundamentals of Organizational and Individual Behavior II. Psycho-Bio-Anthropological Organizational Behavior, III. Interpersonal processes III. The Organizational System.
 The subject requires the student to prepare an integrative work.

Requirements: 09009005044 Administrative Engineering

Credits: 02

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Innovation Management

Description: The subject is part of the curricular area of Management, is theoretical-practical and is aimed at understanding how companies innovate and develop, acquire and apply technologies. The course includes: (1) innovation management; (2) medium- and long-term business planning and technological development; (3) the interactions between business strategies and their technological competencies; and (4) the influence of local and global contexts on innovation processes.

The course is structured in theoretical sessions and interrelated theoretical-practical sessions that make up a single unit. Due to the relatively recent development of this area of knowledge, basic, complementary texts and relevant readings are in the English language. Therefore, it is highly recommended that students have an advanced knowledge of this language (TOEFL = 213 points or IELTS = 7 points). Otherwise, students will have to resort to the services of a specialized translator to tackle the complex readings. The course is developed through the following learning units: I. Fundamentals. II. Context III. Tools IV. Implementation

Requirements: 09054808041 Projects Formulation and Evaluation

Credits: 02

Quechua

Description: The subject is general training. It allows the student to develop the correct pronunciation of the volume and tone of voice in various oral discourses in the Quechua language considered as the original language.

The subject is developed through the following learning units: I. Phonetics and Phonology of the Quechua language. II. Quechua alphabet. III. Point of articulation of the consonant phonemes of the Quechua language. III. Pronouns.

Requirements: 176 Credits Approved


Credits: 02

Entrepreneurship Fundamentals

Description: It is specific training in nature. It prepares entrepreneurial students in the initial definition of a business project, establishing the value proposition as a central element of a business model, generating as a result a Minimum Viable Product. Units: I. Self-discovery and business opportunities, II. Value proposition and business model, III. Validation IV. Marketing and sales.

The subject requires the student to prepare an integrative work.

Requirements: 09112108050 Project Workshop

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Credits: 03

Social Projection

Description: It is general training in nature. It consists of the provision of social services by students in a receiving entity that is dedicated to activities of social interest.

The student decides with which of the entities he wishes to work according to the availability of volunteer vacancies and on time. The student must accredit at least sixty-four (64) academic hours of social work in one or more receiving entities. Upon completion of the hours, the student submits a report with photos or other evidence, in which he describes his activities. The institution with which you worked sends information specifying the student's performance in their respective activities.

Requirements: None

Credits: 02