

Core Curriculum to the Course:

Scientific Work Methodology
Electricity Basics
Information System Analysis I
Information System Analysis II
Information Administration
Introduction to Logic
Basic Computation Elements
Statistics
English for Informatics
Programming Lab I
Software Engineering I
Programming Language and Techniques II
Data Structure
Software Engineering II
Programming Lab II
Data Structure Laboratory
Numerical Calculus
File Structures
Topics in Technological Development
Database I
Communication Networks I
Programming Language and Techniques III
Communication Networks II
Topics in WEB Programming
Operations Research
Programming Lab III
Graphic Computer
Database II
Production Administration for Information Technology
Analytic Geometry and Vectors
Computer Organization and Architecture
Calculus I
Programming Language and Techniques I
Linear Algebra
Calculus II
Operational Systems
Company Administration
Economy and Financial
Entrepreneurial Management

Elective Subjects

4 credits among:

Environmental Education
Communitarian Works I
Portuguese
Quality Theory
Environment and Development
Ergonomics – Practice Application to Work
Science, Technology and Society.
General Accounting
Costs Accounting
Technical Text Reading and Writing
Introduction to Human Science

12 credits among:

Introduction to Human-Computer Interfaces
Compilers
Distributed Systems
Advanced Topics in Networks
Introduction to Discreet Signal Processing
Topics in Computational Modeling
Communication Protocols and Networks
Advanced Topics in Database
Advanced Topics in Programming
Software Engineering
Advanced Topics in Computer Architecture
Special Topics in Informatics
Introduction to Artificial Intelligence
Topics in Computer Theory
Introduction to Telecommunications.
Interfacing Techniques with Computers
Automaton
Image Processing
Digital Games Basics

Topics in Computer and Informatics I
Topics in Computer and Informatics II
Topics in Computer and Informatics III
Topics in Computer and Informatics IV
Special Topics in Telecommunications I
Special Topics in Telecommunications II
Special Topics in Telecommunications III
Special Topics in Telecommunications IV
Algebraic Structures
Graphs
Complex Networks
Applied Discrete Mathematics
Support Systems to Decision
Project Management
Digital Circuits
Microcontrollers

6 credits among:

Training Supervised
Introduction to Supervised Training
Training Supervised
Introduction to Final Paper
Graduate Interdisciplinary Work