

# Idaho PTE Business Education Course w/Essential Learning Outcomes

Course Title

INTRODUCTION TO INFORMATION TECHNOLOGY

SDPTE Course ID

BE 0270

IBED

IBED 10001

A course designed to provide students with an understanding of voice and data communication networks and components necessary for information systems' maintenance. Students will become familiar with hardware and software utilities used to install, upgrade and problem solve various types of operating systems' problems.

Term

One Year

Preq

Notes:

## **Business Law BLaw\_7: Demonstrate Knowledge of Computer Law**

BLaw\_7.1 Explain how the advances in computer technology impact upon such areas as property law, contract law, criminal law, and international law.

## **Information Systems IS\_1: Demonstrate Knowledge of the Foundations of Information Systems**

IS\_1.2 Demonstrate a knowledge of computers and the ability to use them.

## **Information Systems IS\_3: Demonstrate Knowledge of Common Applications of Information Systems**

IS\_3.1 Identify, select, evaluate, and use application software.

IS\_3.2 Install, upgrade, and customize application software.

IS\_3.3 Diagnose and solve problems occurring from an application software's installation and use.

## **Information Systems IS\_5: Demonstrate Knowledge of Communications Systems and Networking**

IS\_5.1 Use, select, and evaluate communications and networking systems software and hardware to include hubs, switches and routers.

## **Information Systems IS\_6: Demonstrate Knowledge of Adaptations for Students with Special Needs**

IS\_6.1 Select and apply information for special needs students.

## **Information Systems IS\_7: Demonstrate Knowledge of Information Systems Ethical Issues**

IS\_7.1 Establish and use a personal code of ethics for information systems use and management.

## **Information Systems IS\_9: Demonstrate Knowledge of Computer Architecture**

IS\_9.1 Describe current and emerging computer architecture; configure, install, and upgrade hardware systems; and diagnose and repair hardware problems.

## **Information Systems IS\_10: Demonstrate Knowledge of Operating Systems, Environments, and Utilities**

IS\_10.1 Identify, select, evaluate, use, install, upgrade, customize, diagnose and solve problems with various types of operating systems, environments, and utilities.

## **Information Systems IS\_11: Demonstrate Knowledge of Information Systems Planning, Acquisition, Analysis and Design**

IS\_11.1 Plan the selection and acquisition of information systems; analyze and design information systems using appropriate development tools.

## **Information Systems IS\_12: Demonstrate Knowledge of Programming**

IS\_12.1 Demonstrate knowledge of computer history.

IS\_12.2 Demonstrate ability to create a simple computer program.

## **Information Systems IS\_13: Demonstrate Knowledge of Communications Systems and Networking**

IS\_13.1 Design and implement security plans and procedures for information systems.

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**Information Systems IS\_14: Demonstrate Knowledge of Information Systems Careers**

IS\_14.1

Describe positions and career paths in information systems.

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