Course Information Form (CIF)

Course Code: ESL 011

Course Title: ICAPS Support Skills - Computer Foundations

Department: Adult Education and Workforce Development
Effective Date: Summer 2026
PCS Code: 1.9 - English as a Second Language
CIP Code: 32.0109
Repeatability: 3

Credit Hours

Catalog Notation: 1-0-1 through 15-0-15
Credit Hour Distribution:

Lecture: 15	Lab: 0	Clinical: 0	**Total: 15**

General Course Information

Catalog Description

This course is designed to be taken by adult education ESL learners in conjunction with Parkland College classes for those intending to pursue a career in information technology such as computer programming, network administration, or computer-aided design and drafting.

General Course Objectives

To assist ICAPs students enrolled in the Computer Foundations Certificate Program.

Minimum Placement Levels

English	Reading	Math
None	None	None

Prerequisites

None

Methods of Evaluation

Attendance, completion of assignments, class participation, performance during class roleplays and practices, portfolio completion, pre and post CASAS tests.

Instructional Materials and Additional Supplies

None.

Course Content

General Learning Outcomes (GLOs)

- Communication: Students will demonstrate the ability to read, write, listen, and speak effectively.
- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

1 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Introduction to Computers	1. Identify and understand the fundamentals of software and hardware as well as terminology used within computer science. 2. Develop typing skills in order to meet the requirements of jobs within computer science. 3. Explore fields within computer sciences for job prospects and to identify interests.	15	0	0

2 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Software Fundamentals	1. Develop skills needed in order to work with everyday software such as Outlook, Word, and Excel; and develop the terminology needed when working within them.	15	0	0

3 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Communication and Databases	1. Develop an understanding of the terminology and how computers communicate between hardware and software for networking and databases, and their roles within computer science fields.	15	0	0

4 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Programming and Logic	1. Understand and apply logic and math skills needed in order to show development of programming and computer-based logic used within computer sciences.	15	0	0

5 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Software Maintenance	1. Develop and apply skills needed to identify and solve common issues within IBM-compatible computers and MS Windows.	15	0	0

6 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Hardware Maintenance	1. Develop and apply skills needed to identify and correct issues related to hardware maintenance within computer architecture.	15	0	0

7 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Linux Introduction	1. Develop an understanding of the Linux/Unix system as well as open-source software with a focus on their history, terminologies, structure, and differences between Windows and Unix-based systems.	15	0	0

8 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Linux Commands	1. Develop and apply skills needed to facilitate user commands to access and navigate Linux/Unix-based systems.	15	0	0

9 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Linux	1. Develop and apply logic and math skills needed within Linux/Unix communication, shells, and scripting.	15	0	0

10 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Networking Introduction	1. Understand and develop skills related to terminology; understanding core differences between various network systems such as LANs, WANs, and the internet; and how software and hardware work together.	15	0	0

11 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Networking Hardware	1. Develop and show skills relating to the understanding and use of networking hardware, its function, and its design within network communications.	15	0	0

12 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Network Software	1. Develop and use skills relating to software and system management through protocols in order to facilitate communication.	15	0	0

13 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Database Introduction	1. Develop an understanding of the use of databases, applications used, and terminology within the field.	15	0	0

14 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Database File Generations	1. Develop and apply skills related to generation of files from databases and business reports.	15	0	0

15 credit hour option

Meet requirements from previous credit hour group plus:

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
File Design and Maintenance	1. Develop and apply skills needed to design files that incorporate information from databases, maintain databases, and understand advanced concepts within databases.	15	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
225	0	0