

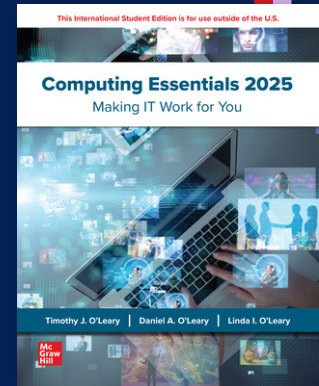


# Computing Essentials 2025

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2024 Release



## Overview

Computing Essentials adds a focus on the growing impact of AI tools on industries and careers, ethical considerations of AI, AI presence in social media, and innovative uses of AI. These concepts have been incorporated into the main text, as well as the Privacy, Ethics, Community, Making IT Work for You, and A Look to the Future features.

## What You Need to Know

- AI and the evolving tools around it
- Privacy, security, and ethics
- Hardware basics
- Introduction to databases

### ◆ Depth of Topic Coverage

Low      High

### ◆ Writing Style

Succinct, with a key term-driven approach

### ◆ Course Level

Introductory Computer Concepts for Freshman/1st-year

### ◆ Duration of Course

1 Semester

## Table of Contents

1. Information Technology, the Internet, and You
  2. The Internet, the Web, and Electronic Commerce
  3. Application Software
  4. System Software
  5. The System Unit
  6. Input and Output
  7. Secondary Storage
  8. Communications and Networks
  9. Privacy, Security, and Ethics
  10. Information Systems
  11. Databases
  12. Systems Analysis and Design
  13. Programming and Languages
- The Evolution of the Computer Age  
The Computer Buyer's Guide



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## Big Changes in this Release

Emphasizing the growing impact of AI tools, this edition provides:

- ✓ AI and its impact on careers - such as medical professions and computer programming
- ✓ The ethical use of AI tools in the classroom. (AI and plagiarism)
- ✓ Technology seeing innovative uses of AI - such as search engines, office suites, and virtual assistants.
- ✓ AI and social media (bots and deep fakes)