

# CompTIA Tech+

## Student-ready learning path and practical course outline

A practical, student-friendly outline covering iT Concepts and Terminology, infrastructure, networking Fundamentals, operating Systems, and software ...

### MODULES

**10**

### LESSONS

**51**

### FORMAT

Self-paced

## Module Breakdown

<p><b>MODULE 1</b></p> <p><b>IT Concepts and Terminology</b></p> <ul style="list-style-type: none"><li>1.1 - Introduction to Tech+</li><li>1.2 - Understanding Notational Systems</li><li>1.3 - The Basics of Computing</li><li>1.4 - Comparing Units of Measure</li><li>1.5 - Troubleshooting Methodology, Cases and Tips</li></ul>	<p><b>MODULE 2</b></p> <p><b>Infrastructure</b></p> <ul style="list-style-type: none"><li>2.1 - Introduction to Infrastructure</li><li>2.2 - Types of Computing Devices</li><li>2.3 - Internal Components of A Computer</li><li>2.4 - Types of Storage</li><li>2.5 - Peripheral Devices and Installation</li><li>2.6 - Virtualization and Cloud Technologies</li><li>2.7 - Common Internet Service Types</li></ul>
<p><b>MODULE 3</b></p> <p><b>Networking Fundamentals</b></p> <ul style="list-style-type: none"><li>3.1 - Introduction to Networking</li><li>3.2 - Core Principles of Computer Networking</li><li>3.3 - Network Ports</li><li>3.4 - Network Addresses and Identifiers</li><li>3.5 - Network Models and Types</li><li>3.6 - Networking Devices and Connectors</li><li>3.7 - Small Wireless Networks</li></ul>	<p><b>MODULE 4</b></p> <p><b>Operating Systems</b></p> <ul style="list-style-type: none"><li>4.1 Introduction to Operating Systems (OS)</li><li>4.2 - What is an Operating System_</li><li>4.3 - Drivers, Applications, Tasks and System Services</li><li>4.4 - File and Disk Management</li><li>4.5 - Backup and Recovery</li></ul>

## Module Breakdown (continued)

<p><b>MODULE 5</b></p> <p><b>Software and Applications</b></p> <ul style="list-style-type: none"><li>5.1 - Common Software Applications</li><li>5.2 - Productivity Software</li><li>5.3 - Business and Enterprise Software</li><li>5.4 - Managing Software</li><li>5.5 - Trusted Software Sources</li></ul>	<p><b>MODULE 6</b></p> <p><b>Web Browsing, Configuration &amp; Security</b></p> <ul style="list-style-type: none"><li>6.1 - Introduction To Web Browsing</li><li>6.2 - Browser Settings, Configuration and Maintenance</li><li>6.3 - Secure Web Browsing</li><li>6.4 - Protecting Your Privacy</li></ul>
<p><b>MODULE 7</b></p> <p><b>Software Development Concepts</b></p> <ul style="list-style-type: none"><li>7.1 - Introduction to Programming</li><li>7.2 - Programming Tools</li><li>7.3 - Programming Organization and Logic Flows</li><li>7.4 - Understanding Programming Language Categories</li><li>7.5 - Code Maintenance, Version Control Systems and Branching</li><li>7.6 - Fundamental Data Types and Their Characteristics</li></ul>	<p><b>MODULE 8</b></p> <p><b>Data and Database Fundamentals</b></p> <ul style="list-style-type: none"><li>8.1 - Introduction to Databases and the Value of Data</li><li>8.2 - Database Concepts and Structures</li><li>8.3 - Working with Relational Databases</li><li>8.4 - Database Operations and Access</li><li>8.5 - Database Backup and Recovery</li></ul>
<p><b>MODULE 9</b></p> <p><b>Security: Keeping Things Safe</b></p> <ul style="list-style-type: none"><li>9.1 - Basic Security Concepts and Strategies</li><li>9.2 - Identifying Common Security Threats</li><li>9.3 - Securing Devices and Networks</li><li>9.4 - Security Tools and Software</li><li>9.5 - Encryption and Data Protection</li></ul>	<p><b>MODULE 10</b></p> <p><b>AI Uses and Impact</b></p> <ul style="list-style-type: none"><li>10.1 - The Impact and Use of AI</li><li>10.2 - Course Closeout</li></ul>