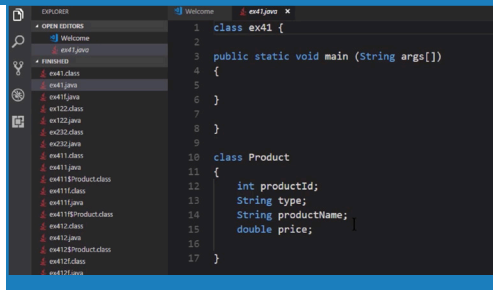


# LearnKey's IT Specialist Courseware

With over 30 years of experience, LearnKey offers engaging, interactive, and flexible training mapped to industry certifications available online through GMetrix.

- Full-motion digital video available anytime, anywhere with an Internet connection
- The GMetrix platform provides the ultimate certification training solution with a single sign-on between training and test prep
- Project-based learning lessons and workbooks with hands-on activities help reinforce what the students are learning
- Teacher workbooks with answer keys and lesson plans

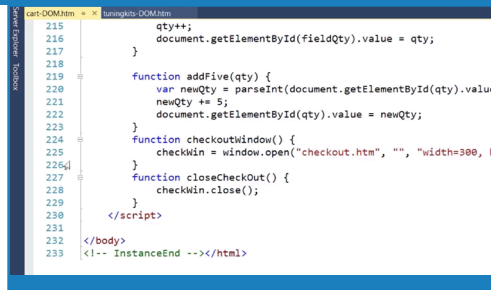
## COURSE OFFERINGS



### Java

LearnKey's Java course is excellent for someone wanting to learn how to code in Java, a powerful object-oriented programming language. This course will also help students get ready to pass the IT Specialist Java exam and improve employability prospects for any software development position requiring Java coding skills. Specifically, this course covers Java fundamentals, data types and variables, flow control, object-oriented principles, and compiling and debugging code. These concepts are covered through simulating writing code for an online store, thus adding a real-life scenario to this course.

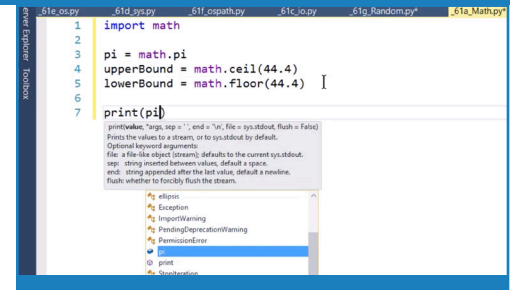
**CLASS HOURS:** 17 HRS



### JavaScript

LearnKey's JavaScript course is an excellent course for those looking to gain valuable introductory JavaScript skills. Topics covered include: learning about JavaScript operators, keywords, and methods, using variables, data types, and functions, implementing decisions and loops, interacting with the DOM (Document Object Model), and interacting with forms. In all of these topics, students will clearly see how JavaScript is used to enhance existing webpages. Furthermore, this course covers the material on the exam, and will help anyone looking to improve their employability prospects in the areas of designing and building webpages.

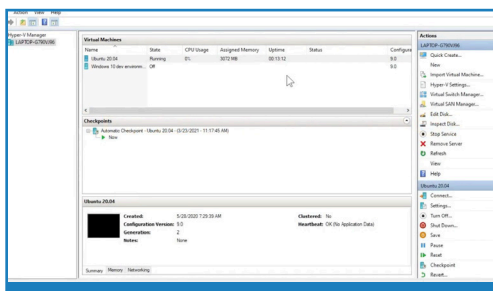
**CLASS HOURS:** 28.5 HRS



### Python v2

LearnKey's Python course covers Python, a very versatile programming language which can be used to power websites, build games, and even program hardware. This course is also an excellent course for someone new to programming, as many of the topics covered are basic programming topics which carry over well to other programming languages. Specifically, this course covers data types and operators, decisions and loops, input and output, code documentation and structure, troubleshooting, and modules and tools. The course topics directly map to the Python exam and will help anyone looking to improve their employability prospects in Python and for programming jobs in general.

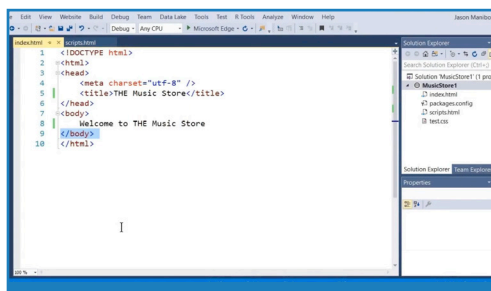
**CLASS HOURS:** 21 HRS



### Networking

LearnKey's Networking course is an excellent entry-level certification course for those looking to gain a network certification and increase employability prospects for any junior to mid-level networking career. This course covers, in detail, these networking aspects: networking fundamentals, network infrastructure, networking hardware, protocols and services, and troubleshooting. This course is also a solid precursor to other networking certifications, most notably the CompTIA Network+ certification.

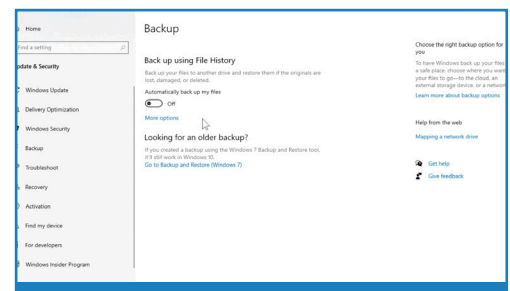
**CLASS HOURS:** 25 HRS



### HTML and CSS

LearnKey's HTML and CSS course is an excellent course for those looking to gain employability skills in the area of web development. The material covers the objectives on the HTML and CSS exam, putting a solid entry-level certification well within reach. Specifically, the course has two distinct parts: HTML (Hypertext Markup Language), which includes document structuring and multimedia presentation, and CSS (Cascading Style Sheets), which includes styling webpages.

**CLASS HOURS:** 32 HRS

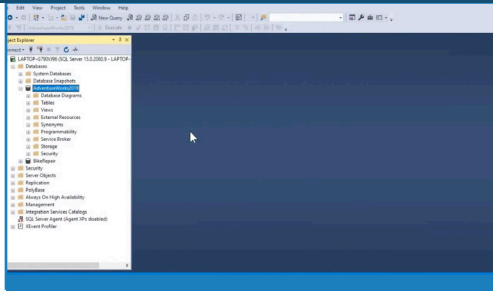


### Network Security

LearnKey's Network Security course is geared toward those looking to learn basic operating system security fundamentals. This course will also prepare students to take and pass the Network Security exam. The four main topics covered in this course are: defense in depth, operating system security, network device security, and secure computing. This course will also improve employability prospects for those trying to gain an entry-level IT support/desktop position.

**CLASS HOURS:** 32 HRS

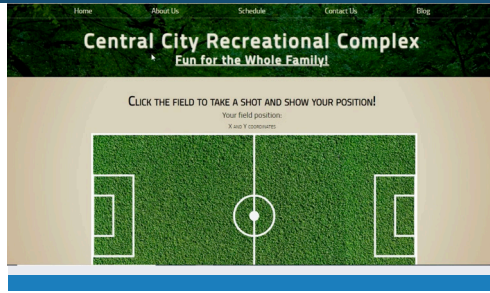
# COURSE OFFERINGS CONTINUED



## Databases

LearnKey's Databases course is an introduction to building, entering information into, and querying databases. The course also provides a solid introduction to Structured Query Language (SQL), the primary language used to get the desired information from a database. This course helps one get ready to take and pass the IT Specialist Databases exam and will help one's employability prospects in any job requiring querying and junior database administration skills. Specific topics for this course include Database Design, Database Object Management, Data Retrieval, Data Manipulation, and Troubleshooting.

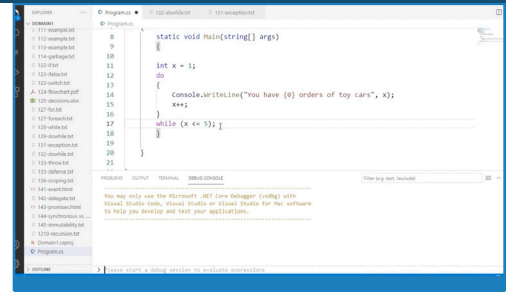
**CLASS HOURS:** 16 HRS



## HTML5 Application Development

LearnKey's HTML5 Application Development course, a course in the IT Specialist series, expands on the knowledge one gains in the HTML and CSS course and JavaScript course from the same series. Advanced web design and development concepts, such as application lifecycle management, graphics and animation, forms, layouts, and JavaScript coding are the main topics in this course. This course and subsequent certification is the next logical step up for someone wanting a career in web design and development.

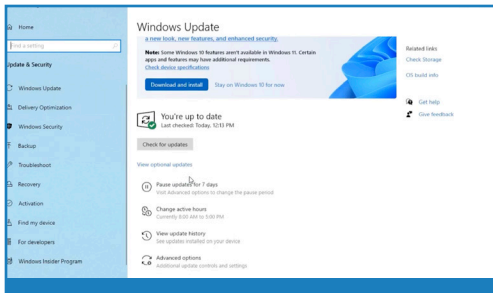
**CLASS HOURS:** 40 HRS



## Software Development

LearnKey's Software Development course is a solid introduction for those looking to understand programming concepts and practices better. While not geared for any specific language, the course focuses mainly on C# and SQL. It goes through core programming concepts, software development principles, object-oriented programming, web applications, and databases topics. The course material maps to the objectives of the IT Specialist Software Development Fundamentals exam. It is a good next course for anyone who has taken LearnKey's Introduction to Programming course or has equivalent knowledge.

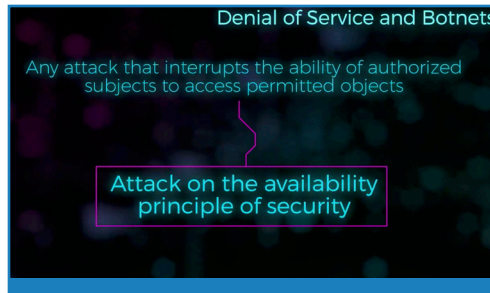
**CLASS HOURS:** 25.5 HRS



## Device Configuration and Management

LearnKey's Device Configuration and Management course demonstrates how to install Windows on a computer and configure user accounts. Students will learn the purpose of local and administrative account types and the role the account types play in data access and management. The course also explores how to manage computer settings, updates, applications, and peripheral devices, along with how to troubleshoot devices and increase device security. Students will improve their personal use of Windows along with their overall employability while preparing for the Device Configuration and Management certification exam.

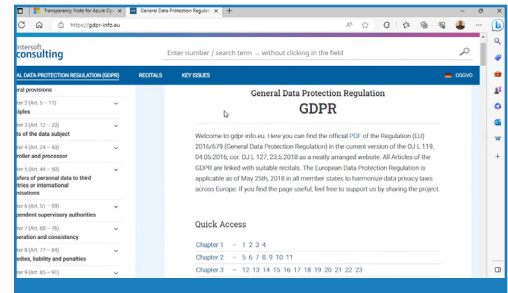
**CLASS HOURS:** 16 HRS



## Cybersecurity

The Information Technology Specialist Cybersecurity certification is ideal for anyone new to the field of cybersecurity and is interested in becoming a cybersecurity specialist. The objectives cover the core topics important to cybersecurity specialists, including essential principles, network security, endpoint security, vulnerability assessments, risk management, and incident handling. Mastering these core topics builds a good foundation for passing the exam and becoming a cybersecurity professional. LearnKey's Information Technology Specialist Cybersecurity course covers all five exam domains. Join LearnKey security expert Michael Solomon as he covers all the necessary objectives required in the Information Technology Specialist - Cybersecurity certification exam.

**CLASS HOURS:** 23 HRS



## Artificial Intelligence

This introduction to Artificial Intelligence course, geared toward the IT Specialist Artificial Intelligence exam, defines both AI and the way in which AI is used to build models that take data and then use that data to predict outcomes. This course covers the basic tenets of AI, including AI problem definition, data collection, processing, and engineering, algorithms and models, application integration and deployment, and maintaining and monitoring AI in production. The course is helpful for those wanting a good starting point for knowledge of AI and will help those seeking a career path that requires basic AI knowledge.

**CLASS HOURS:** 19 HRS



## Each Course Includes:

Video-based instruction, exercise labs, pre and posttests, flash cards in addition to a PDF project workbook. The workbook includes fill-in-the-blanks, glossary terms and definitions and many other resources to help reinforce learning.

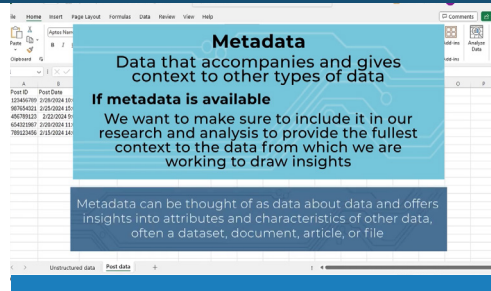
## COURSE OFFERINGS CONTINUED



### Computational Thinking

This course is designed to introduce students to the foundational concepts and problem-solving strategies used in computational thinking. Students will also explore basic programming concepts and data representation. This course aims to prepare students for both the Certiport IT Specialist - Computational Thinking certification and a future in fields requiring analytical and structured problem-solving skills, serving as a strong entry point into computer science and software development.

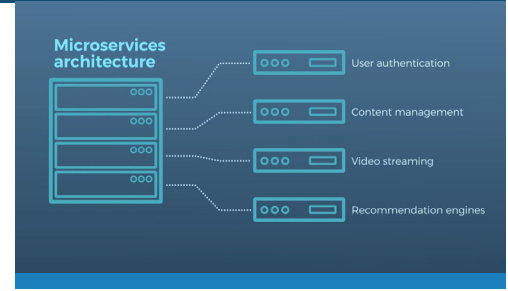
**CLASS HOURS:** 18.5 HRS



### Data Analytics

LearnKey's IT Specialist Data Analytics course is designed to introduce students to the foundational concepts behind data analytics performance. Topics include types of data and data structures, data manipulation techniques, statistical data analysis methods, best practices in data visualization, and ethical data analytics practices. This course aims to prepare students for both the Certiport IT Specialist Data Analytics certification and a future career in data analytics. It serves as a strong entry point for the analytics field.

**CLASS HOURS:** 19.5 HRS



### Cloud Computing

This course is designed to prepare students for the Certiport IT Specialist certification in Cloud Computing and a potential future career in the topic area. It covers fundamental cloud concepts, including cloud service models (IaaS, PaaS, SaaS) and deployment models (public, private, hybrid). Students will learn to develop cloud architecture, implement the cloud development lifecycle, and deploy cloud-based applications. Additionally, this course covers essential cloud governance principles, such as compliance, security, and cost management, to ensure effective and efficient cloud operations. By the end of this course, students will have the knowledge and practical skills to succeed in the certification exam and real-world cloud environments.

**CLASS HOURS:** 20.5 HRS



### Each Course Includes:

Video-based instruction, exercise labs, pre and posttests, flash cards in addition to a PDF project workbook. The workbook includes fill-in-the-blanks, glossary terms and definitions and many other resources to help reinforce learning.