CERTIPORT
A PEARSON VUE BUSINESS

Tech Starts Here.

Put Your Students on the Pathway to a Thriving Tech Career

INFORMATION TECHNOLOGY
SPECIALIST



Certiport, a Pearson VUE Business helps students prepare for their future by offering affordable, foundational technology certifications.

The Information Technology Specialist program is a way for students to validate foundational IT skills sought after by employers. The IT Specialist program is aimed at candidates who are considering, or just beginning, a path toward a career in information technology.

Students can certify their knowledge in a broad range of IT topics, including software development, database administration, networking and security, mobility and device management, and coding.

Preparing for the future — Help your students become more competitive. IT Specialist is the first step toward more advanced certifications, which will help your students increase their value in the job market.

Careers — IT Specialist certification identifies students as being prepared to start applying themselves in entry level technology jobs such as apprenticeships and internships.

Confidence — Industry-recognized credentials inspire confidence as students pursue future college and career aspirations.

> *"More than any other generational cohort, members of Gen Z have the highest proportion looking for work and hoping to obtain an IT role."*
>
> **2023 Value of Certification Survey**

> *"No matter what degree you chose or road you choose to travel, everything has become digital so you will need foundational technology skills at every point in your life."*
>
> **Deloris**
> *Technology Specialist*
> *College Connection*

IT Specialist Certification Exams:

Help students explore their potential and passions while preparing them for information technology education and careers which require the following in-demand skills:

Databases — Candidates for this exam will demonstrate foundational knowledge of how to design and query relational databases, such as MySQL, Microsoft SQL Server, or Oracle.

Software Development — Candidates for this exam will demonstrate core software development skills, including object-oriented programming, web applications, and databases. Candidates are expected to have some experience with C# and ANSI SQL.

Networking — Candidates for this exam will demonstrate foundational networking knowledge and skills, including TCP/IP, networking services, networking topologies, and troubleshooting in wired and wireless environments.

Network Security — Candidates for this exam will demonstrate foundational security knowledge and skills, including an understanding of core security principles operating system security, network and device security, and secure computing practices.

JavaScript — Candidates for this exam will demonstrate that they can recognize, write, and debug JavaScript code that will logically solve a problem.

Java — Candidates for this exam will demonstrate that they can recognize, write, and debug Java code that will logically solve a problem.

Python — Candidates for this exam will demonstrate that they can recognize, write, and debug Python code that will logically solve a problem.

HTML and CSS — Candidates for this exam will demonstrate that they can structure a webpage using HTML elements and create and apply styles using CSS.

HTML5 Application Development — Candidates for this exam will demonstrate their ability to use HTML5, CSS, and JavaScript to build responsive web applications that will run on a variety of touch-enabled devices, including PCs, tablets, and phones.

Device Configuration and Management — Candidates for this exam will demonstrate foundational skills in, and a basic knowledge of, Windows devices and mobility.

Artificial Intelligence — Candidates for this exam are AI enabled learners and are prepared for the professional use of AI by understanding how AI can be used to solve problems.

Cloud Computing — Candidates for this exam will be able to identify and describe end solutions that leverage cloud technologies, considerations that span across solutions and the "art of the possible" in utilizing cloud to develop solutions.

Computational Thinking— Candidates for this exam decompose problems, collect and analyze data, recognize patterns in data, represent data through abstractions, and automate solutions by using algorithmic thinking.

Cybersecurity — Candidates for this exam demonstrate their understanding of key security paradigms, terminology, and mindset. Successful candidates will have a keen awareness of the importance of security and the threats to a business when security procedures are not followed.

Data Analytics — Candidates for this exam are seeking to prove introductory knowledge of how to responsibly manipulate, analyze, and communicate findings of data analysis.

IT Specialist Industry Recognition

Bundesministerium Bildung, Wissenschaft und Forschung

Austrian Federal Ministry of Education, Science and Research

ISTE Standards Seal of Alignment Student 2022-24

Click to read more about those that endorse the IT Specialist program.

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