

THE CIW WEB DEVELOPMENT SERIES

This series includes the essential combination of a front-end scripting language, a back-end programming language and the skills to integrate them with a database. Because of this diversity, the individual who completes this series will become a valuable corporate IT team member.

CIW Database Design Specialist

This certification validates knowledge of database design principals and theory, and their application to the most popular database platforms. The associated course prepares you for a better understanding of DB2, Oracle Database 11g, Microsoft SQL and MySQL.

The CIW Database Design Specialist course also discusses Structured Query Language (SQL) and optimization of databases through normalization. You will apply your knowledge with hands-on labs designed to teach the intricacies of database design methodology.

Topics include:

- Introduction to databases
- Relational database fundamentals
- Database planning
- Overview of database design methodology
- Normalization
- Logical and physical database design
- Structured Query Language (SQL)
- Relational algebra
- Transactions and database security

Certification Exams

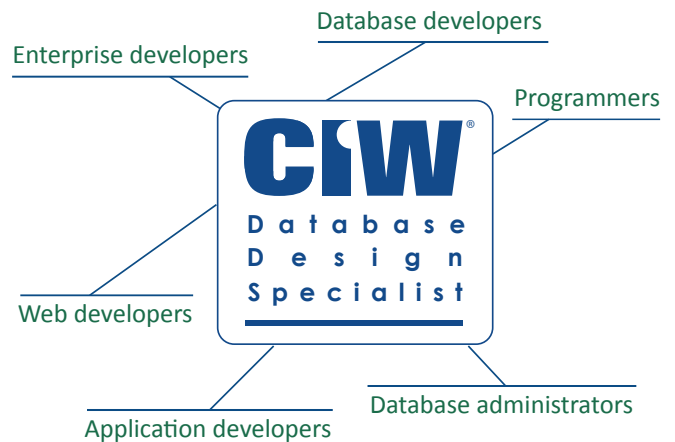
To earn the CIW Database Design Specialist certification, individuals must pass one exam:

CIW Database Design Specialist exam (1D0-541)
50 questions | 90 minutes

Typical Time to Teach

Secondary	one semester
Higher Education	eight to twelve weeks
Training Providers	one week

RELATED JOBS AND CAREER PATHS



CIW — The Industry Standard for Web Technology Education and Certification

CIW is the world's fastest growing vendor-neutral Internet skills training and certification program for students and professionals. More than a certification or a curriculum publisher, CIW is a Web technology standard adopted by academic institutions, governments and businesses worldwide. CIW includes applications and competencies, but our core curriculum focuses on the foundational standards that sustain the infrastructure of IT: Web design, e-commerce, security, networking and databases.