



CONTINUING EDUCATION
Course Outline

SQL Server Certificate Capstone

Demonstrate the knowledge you have gained through the SQL Server Certificate Program. Working in teams, you will use SQL Server Management Studio (SSMS) to build a database schema based on a "real-world" scenario. You will develop a project proposal outlining an approach to the database solution, implement the database, and test the results using SQL queries. You will document your work through written reports and present your findings at course end.

Who Should Take This Course?

This is the fourth and final required course in the SQL Server Certificate. Enrollment is limited to those who have completed all the required courses in the Certificate.

Course Objectives

- Construct simple database schema using SSMS based on a "real-world" scenario.
- Define tables, constraints and triggers in SQL.
- Construct and understand queries expressed in SQL.
- Write a script that interfaces with a SQL database.

Course Info

- Length: 9 hours
- Format: Lab
- Prerequisites: Business Intelligence Essentials, SQL Programming Level 1 and SQL Programming Level 2

Course Content

Construct simple database schema using SSMS based on a "real-world" scenario.

- Create a database based on a selected scenario of your choosing.
- Create a table appropriate to the chosen scenario.
- Enter and view data from the created database.

Define tables, constraints, and triggers in SQL.

- Declare a schema for the table created in the previous section.
- Identity key constraints.
- Create triggers based on the key constraints.

Construct and understand queries expressed in SQL.

- Select a dataset for the SQL query.
- Create a query using SQL statements to return key results.
- Create triggers based on the key constraints.



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Write a script that interfaces with an SQL database.

- Select a schema in the data source.
- Add objects and select columns.
- Establish relationships between objects.
- Create query conditions.
- Execute the query and view results.

Assessment /Evaluation

This course is not assigned a letter or numerical grade. However, in some cases, skill assessments may be administered during the course to gauge progress and comprehension.

Course Completion Letter

If your company requires proof of course completion, or if you would like to have proof for your own records, you may request a Continuing Education Unit (CEU) letter, **after the final session**. You must attend 80 percent of the course to qualify for the letter.* To request a CEU letter, please stop by the front desk after the last session of class and complete the CEU Request Form.

Certificates of Completion for Certificate Programs

Certificates of Completion are automatically given at the end of the certificate program to those who have registered for a certificate program series (or after Part 2 of the series, when applicable) as long as attendance* and other program requirements have been met. If you complete a certificate program by taking courses individually (not through a series), please stop by the front desk and complete a Certificate Request Form. Attendance requirements for certificate programs vary by certificate and can be found by visiting [Certificate Programs & Certifications](#) on our website.

*Attendance for CEU letters and certificate programs is verified via the sign-in sheets provided at each class session. It is the students' responsibility to sign-in.

Green River College is committed to providing access to all who visit, work and study on campus. The College will provide reasonable accommodations for individuals with disabilities, with advance notice of need. If you require accommodations, please contact Disability Support Services as soon as possible to determine eligibility and/or request accommodations. Accommodations are determined on a case-by-case basis. Please contact Disability Support by email at dss@greenriver.edu; by phone at 253-833-9111, ext. 2631; TTY 253-288-3359; or in person at the Student Affairs and Success Center, Room 274, to request accommodations. For additional information, please visit www.greenriver.edu/student-affairs/disability-support-services.htm. The accommodations authorized on your forms should be discussed with your instructor. All discussions will remain confidential. Accommodations are not provided retroactively, so it is essential to discuss your needs at the beginning of the quarter. Additionally, only accommodations approved by Disability Support Services will be provided.

This syllabus is available in alternate formats upon request.

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