

# SQL Certification (Self-Paced)

Advance your SQL abilities with this self-paced course. Explore querying, joining, and aggregating data across multiple tables, and gain practical experience working with real-world databases. Learn to write complex queries to enhance your data analysis, all without any prior programming knowledge.

Group classes in Live Online and onsite training is available for this course. For more information, email [onsite@graduateschool.edu](mailto:onsite@graduateschool.edu) or visit: <https://sdfm.graduateschool.edu/certificates/sql-certification-self-paced>



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## Course Outline

This package includes these courses

SQL Bootcamp (Self-Paced) (18 Hours)

## SQL Bootcamp (Self-Paced)

Learn how to extract, filter, and manipulate data using SQL. This course covers PostgreSQL fundamentals, database querying, table joins, and advanced techniques for handling large datasets.

- Write SQL queries to retrieve, filter, and sort data efficiently.
- Use joins to combine information from multiple tables and establish relationships.
- Apply aggregate functions like SUM, COUNT, AVG, and GROUP BY to summarize data.
- Work with subqueries, conditional logic (CASE statements), and advanced string functions.
- Optimize queries using indexes, data type conversions, and best practices.
- Explore views and user-defined functions to streamline database management.