

# DATABASE CERTIFICATE - ONLINE

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**Important:** This certificate plan is effective for those starting in the fall 2024 through summer 2025. This certificate plan will remain in effect for students who do not break enrollment or who do not change certificates.

Code	Title	Hours
<b>Required Courses</b>		
CSIS 100	Introduction to Information Sciences and Systems	3
CSIS 208	Application Programming	3
CSIS 212	Object-Oriented Programming	3
CSIS 325	Database Management Systems	3
CSIS 332	Database Programming	3
CSIS 333	Advanced Database Programming	3
<b>Total Hours</b>		<b>18</b>

## Completion Requirements

- 18 total hours
- A minimum of 25% of hours must be completed through Liberty University
- 2.0 GPA
- No grade of D may be applied to the certificate
- Submission of Certificate Completion Application at beginning of final semester