



2023-2024 Academic Year

# Database Concepts and Skills Associate

## Certificate of Achievement

**B-STEM Division**  
Business, Science, Technology, Engineering and Math  
[609.570.3482](tel:609.570.3482) [admiss@mccc.edu](mailto:admiss@mccc.edu)

The **Database Concepts and Skills Associate** micro-credential provides beginners friendly introductory-level courses in database administration, whether students are just finding their footing, prepping for their industry desired certifications, or looking to go deep into specialty topics like serverless and machine learning.

The courses provide hands-on learning with the technology to reinforce concepts with real-world experience.

### PROGRAM OUTCOMES

- Explain basic concepts of databases;
- Code using Oracle Structured Query (SQL) Language;
- Deploy databases on cloud platform.

Successful completion of credits from this Certificate of Achievement can be applied toward the [Database Administration certificate](#) and [Computer Information Systems degree](#) programs.

Admission to the program requires readiness for college-level English and Math and approval from the program coordinator. Students may receive credit for previous training in a skills area by applying for credit by examination, credit by experience, and/or transfer credit as evaluated and approved by the program coordinator.

### SEE ALSO:

[Computer Information Systems](#) degree program  
[Computer Science](#) degree program  
[Computer Science](#) certificate program  
[Computer Support Specialist](#) certificate program  
[Database Administration](#) certificate program  
[Information Technology](#) degree program  
[Information Technology: Cybersecurity](#) degree program  
[IT System Analyst Associate](#) certificate program  
[Mobile and Web Computing](#) certificate program  
[Oracle SQL Programming and Database Design Specialist](#) certificate program  
[Web Development](#) certificate program

# CERTIFICATE CURRICULUM

2023-2024 Academic Year

DATA.CONC.ASSOC.CRT

CIP 110201

Credit-bearing certificate programs can serve as gateways to earning an associate degree. Students are encouraged to consult the program coordinator, an academic advisor or Success Coach to explore such opportunities.

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Code	Course (lecture/lab hours)	Credits
<b>FIRST SEMESTER</b>		
<a href="#"><u>IST 109</u></a>	Introduction to Programming (2/2)	3
<b>SECOND SEMESTER</b>		
<a href="#"><u>IST 253</u></a>	Database Concepts (2/2)	3
<a href="#"><u>IST 262</u></a>	Oracle SQL (3/2)	4
<b>THIRD SEMESTER</b>		
<a href="#"><u>IST 265</u></a>	Database Cloud Computing Concept (2/2)	3
		<b>13</b>

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