

# CERTIFICATE IN DATABASE SYSTEMS

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The Certificate in Database Systems is intended for students who want to increase their knowledge in the principles of design and development of database systems.

Certificate programs offer working professionals an opportunity to increase their knowledge and skills in the specific areas of computer science. A certificate representing proven academic performance is presented after the required nine credit hours of coursework is completed with a GPA of 3.0/4.0. Courses taken may be later applied toward a computer science master's degree program.

## Curriculum

Code	Title	Credit Hours
Select nine credit hours from the following:		9
CS 425	Database Organization	3
CS 520	Data Integration, Warehousing, and Provenance	3
CS 521	Object-Oriented Analysis and Design	3
CS 522	Advanced Data Mining	3
CS 525	Advanced Database Organization	3
CS 529	Information Retrieval	3
CS 553	Cloud Computing	3
CS 554	Data-Intensive Computing	3
<b>Total Credit Hours</b>		<b>9</b>