CERTIFICATE IN DATABASE ADMINISTRATOR

The Database Administrator Certificate of Achievement is one of several certificate options available in the Information Technology and Information Systems (ITIS) program. The core competencies for this certificate include foundational skills in Information technology (ITIS 104, ITIS 107, and ITIS 115) as well as foundational skills in computer programming (ITIS 141). These four foundational courses are also required in the other ITIS certificates. Students will advance from the core competencies to develop practical skills in using specialized software to store, manipulate, and organize data. The eventual goal is to build the necessary foundation for students to pursue an undergraduate degree in an information-related or computer-related subject.

Students completing this certificate will be equipped with the skills determined by employers as necessary for an entry level position in information technology such as a Computer User Support Specialist (SOC Code: 15-1151) or Database Administrator (SOC Code: 15-1141). During the program students will also have an opportunity to complete industry certifications from CompTIA, including A+ and Network+.

Learning Outcomes

Certificate of Achievement Level Student Learning Outcomes

Students completing the Database Administrator Certificate of Achievement will:

1. Demonstrate proficiency in creating, editing, and modifying an electronic database.
2. Demonstrate proficiency in building and maintaining relational databases.
3. Demonstrate proficiency in generating various reports through the process of querying and extraction.

Requirements

Code	Title	Units
Required courses:		
ITIS 104	Information Technology	4
ITIS 107	Network Technology	4
ITIS 115	Computer Information Systems	3.5
ITIS 141	Programming Fundamentals	3
Select three (3) of the following courses:		
ITIS 160	Introduction to Database Concepts	3
ITIS 165	Database Principles Using SQL	3
ITIS 170	Database Programming	3
or BUS 152	Business Communications	
Complete one (1) of the following math courses: [1]		
MATH 144	Technical Mathematics	5
MATH 165	Introduction to Statistics [3]	4

Code	Title	Units
or MATH 165H	Introduction to Statistics - Honors	
Total Units		**27.5-28.5**

[1]   Or substitute higher level math course.
[2]   MATH 165 is degree applicable with or without MATH 065. If taken with MATH 065, only the units for MATH 165 will be counted towards the degree.

Curriculum Map

1-Year Curriculum Map Example
This map represents one possible pathway through the program and is only for reference.

*It is highly recommended that you make an appointment (https://www.citruscollege.edu/stdntsrv/counsel/Pages/ApptSchedule.aspx) to create a customized education plan that fits your needs.

Course	Title	Units
Fall Term 1		
ITIS 104	Information Technology	4
ITIS 107	Network Technology	4
ITIS 115	Computer Information Systems	3.5
	Units	**11.5**
Winter Term 1		
MATH 144	Technical Mathematics	5
	Units	**5**
Spring Term 1		
ITIS 160	Introduction to Database Concepts	3
ITIS 165	Database Principles Using SQL	3
ITIS 141	Programming Fundamentals	3
ITIS 170	Database Programming	3
	Units	**12**
	Total Units	**28.5**

Career Information

Career Opportunities

There are a variety of careers you can do with this major.

To explore more about this major, schedule an appointment (https://www.citruscollege.edu/stdntsrv/ctcenter/Pages/ApptSchedule.aspx) with a career counselor.