

DATABASE TECHNOLOGY

Database Technology Associate in Science Degree Major Code 2209

Program Description

The Database Technology Associate in Science degree, offered at the A. Hugh Adams Central Campus, prepares students for employment opportunities as database application developers and database administrators. Students will gain knowledge in areas such as designing, operating, developing and implementing databases, as well as managing, maintaining and distributing the stored information. Students will also become proficient in programming, SQL and database security.

Entrance Requirements

HS Diploma or GED

General Education Requirements:

ENC 1101	Composition	3
MAC 1105	College Algebra	3
SPC 1608	Public Speaking or	
SPC 1024	Introduction to Speech Communications	3
GE Course	General Education Humanities [*]	3
GE Course	General Education Social / Behavioral Science [*]	3
GE Course	General Education Science [*]	3
Total General Education Hours		18

Database Technology Core Courses:

CIS 1000C	Intro to Computer Science ¹	3
COP 1334C	Introduction to C++ ²	3
CIS 2321C	Systems Analysis & Design ³	3
COP 1335C	Intermediate C++ ⁴	3
COP 2071C	Database Design & SQL Programming ³	3
COP 2361C	Object-Oriented Analysis & Design ⁵	3
CIS 1513C	Project Management ¹	3
ENC 2210	Professional and Technical Writing ⁶	3
Total Database Technology Core		24

Database Specializations (choose one):

Oracle			
CTS 2441C	Oracle Database Administration I ⁷	4	
CTS 2442C	Oracle Database Administration II ⁸	4	
CTS 2445C	Oracle Developer I ⁹	3	
CTS 2446C	Oracle Developer II ¹⁰	3	
CTS 1111C	Linux+	4	
COP 2800C	Java Programming ¹¹	3	
Total Oracle Specialization Hours			21
Microsoft SQL Server			
CTS 2434C	Microsoft SQL Server Developer I ⁹	3	
CTS 2435C	Microsoft SQL Server Developer II ¹²	3	
CTS 2437C	Microsoft SQL Server Administration I ¹³	4	
CTS 2438C	Microsoft SQL Server Administration II ¹⁴	4	
CTS 1134C	Network+	4	
COP 2360C	C# Programming ¹¹	3	
Total Microsoft SQL Specialization Hours			21
Total Program Hours			63

^{*}General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted on-line at www.broward.edu/studentresources/advising/Pages/gened.aspx

Note: Students must fulfill the College's computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1060C to earn the degree.

It is strongly recommended that students see an advisor every term

Prerequisite – CGS 1060C or placement
 Prerequisite – MAT 1033; Pre- or Co- Requisite – CIS 1000C
 Prerequisites – CIS 1000C and COP 1334C (each with a grade of C or higher)
 Prerequisite – COP 1334C (with a grade of C or higher); Pre- or Co- Requisite – CIS 2321C
 Prerequisites – CIS 2321C and COP 1335C (each with a grade of C or higher)
 Prerequisite – ENC 1101
 Prerequisites – CTS 1111C and COP 2071C (each with a grade of C or higher)
 Prerequisite – CTS 2441C (with a grade of C or higher)
 Prerequisites– CIS 2321C and COP 2071C (each with a grade of C or higher)
 Prerequisite– CTS 2445C (with a grade of C or higher)
 Prerequisites – COP 1335C and CIS 2321C (each with a grade of C or higher); Pre- or Co- Requisite – COP 2361C
 Prerequisite – CTS 2434C (with a grade of C or higher)
 Prerequisites – CTS 1134C and COP 2071C (each with a grade of C or higher)
 Prerequisite – CTS 2437C (with a grade of C or higher)

