Program of Study: Database Administration Certificate

Career Pathway: Computer Science

Secondary Partner:	Program Name:	CIP:	Program ID:
Post-secondary Partner: Trinidad State College	Program Name: Database Administration Certificate	CIP: 11.0802	Program ID: CER_4CDS

Secondary Program Description:
Students in the certificate program explore database functions, computer information systems, networking and computer sciences. Career paths include entry-level positions in a business environment that require an understanding of Structured Query Language (SQL), database design skills, and database administrative tasks.

Career and Technical Courses	Possibilities of careers, and demand relating to this Pathway

State Graduation Requirements: www.cde.state.co.us/postsecondary/graduationguidelines

| High School/Secondary | CIS 2040 Database Design and Development CE MAT 1260 Introduction to Statistics: GT-MA1 CE CIS 2041 Advanced Database Design and Development CE CNG 1031 Principles of Information Assurance CE CSC 1019 Introduction to Programming: (Programming Language) CE | **Possibilities of Careers:**
11-3021.00: Computer and Information Systems Managers 15-1242.00: Database Administrators 15-1243.00: Database Architects 15-1243.01: Data Warehousing Specialists 15-2051.00: Data Scientists 15-2051.01: Business Intelligence Analysts 15-2051.02: Clinical Data Managers 25-1194.00: Career/Technical Education Teachers, Postsecondary

Employment Demand and Wage Data:
The most recent State Occupational Employment Statistics (OES) survey estimates that the mean annual wage/salary for Database Administrators in Colorado in 2022 was $111,210 with the mean hourly salary listed as $53.47. There were 26 job openings advertised online in Colorado for Database Administrators on April 4, 2024. There were also 2,325 job openings advertised online for the related occupation group of Computer and Mathematical Occupations in Colorado on April 4, 2024. |

Related Industry Certifications/Credential(s) offered through program:	Work-based Learning offered through program: Career Research Cooperative Education Job Shadowing
Advanced Credit Options Key: Notate above which course has an articulation agreement or concurrent enrollment. **AA** – Course is approved for Articulation Agreement **CE** – Course is offered as Concurrent Enrollment	**CTSO organization(s):** ☐ DECA ☐ FBLA ☐ FCCLA ☐ FFA ☐ CCSA ☐ HOSA ☐ SkillsUSA ☐ TSA ☐ SC²

POSTSECONDARY CREDENTIALS			
Certificate(s) offered through program:	**Associate Degree(s) offered through program:**	**Bachelor's Degree(s) program aligns to:**	**Advanced Degree(s) program aligns to:**
Database Administration Certificate	Computer Information Systems AAS Computer Science AAS	Computer Information Systems BS Computer Science BS	Computer Information Systems MS, PhD Computer Science MS, PhD

Postsecondary Program Description:
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Program Requirements for Entry:
http://www.trinidadstate.edu/admissions

CTE Courses	
Semester 1 • CIS 2040 Database Design and Development • MAT 1260 Introduction to Statistics: GT-MA1	Semester 2 • CIS 2041 Advanced Database Design and Development • CNG 1031 Principles of Information Assurance • CSC 1019 Introduction to Programming: (Programming Language)

Postsecondary (vertical label)

District/College Review

Secondary Partner
Print Name: Title: Signature: Date:

Postsecondary Partner
Print Name: Title: Signature: Date: