



IT - Data Specialist

63-credit Associate of Applied Science Degree

www.wctc.edu/data-spec

If you are a patient, critical thinker and have strong analytical and reasoning skills, a job as a database specialist might be right for you. Those who work in these roles are dependable and adaptable, and they have a willingness to learn new technologies to stay current and advance in their careers.

About This Program

Prepare for a variety of careers in the rapidly-growing field of data. Gain skills in data modeling, database development, report development, and data warehouse design and development. Explore the basics of programming, data visualization, statistical data analysis and data analytics.



Career Salaries

\$85,000 - \$100,000 annually

Salary range estimates based on wages for related occupations in Waukesha County as reported by Economic Modeling Specialists International (EMSI). Individual wages may vary based on experience, industry, location and specific job requirements.

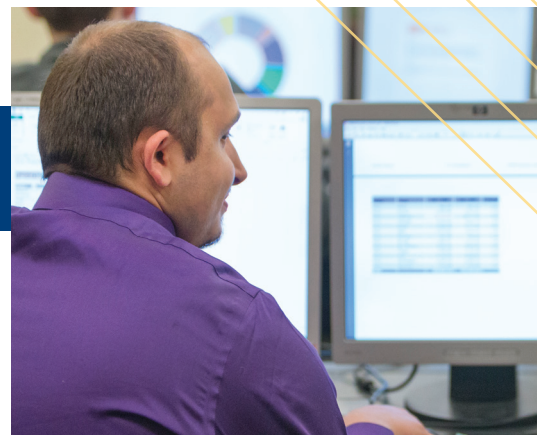
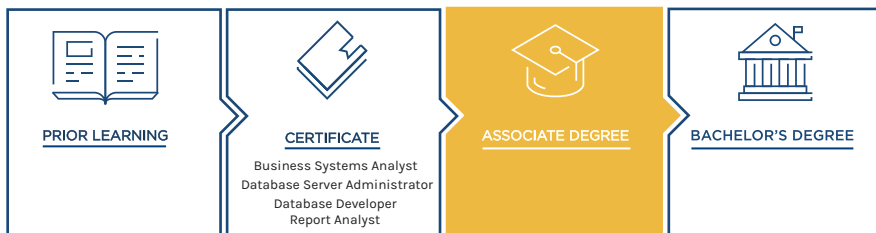


Potential Careers

Database Administrator
Database Analyst
Data Architect
Database Designer

What Makes This Program Unique

- Leverage current industry-standard tools including Microsoft SQL Server, the Microsoft BI stack (SSRS, SSIS, SSAS), Tableau and Power BI. Learn the basics of programming in C# and Python.
- Participate in a capstone project to develop data-driven applications for stakeholders on campus.
- Earn two degrees in three years by combining IT - Database Specialist with IT - Web and Software Developer. Learn more about this dual degree option.



PROGRAM CODE 10-156-3

CORE COURSES

Credits

107-102	IT Support	2
107-119	System Analysis Agile Methods	3
107-137	IT Internship	1
150-122	Intro to PowerShell Scripting	1
150-137	MS Server	3
150-190	Network Fundamentals	2
152-101	Python Programming	1
152-112	Intro to Programming with C#	3
152-170	IS Project	4
156-101	.Net Database Programming	3
156-102	Advanced SQL	3
156-103	Database Administration	3
156-106	Data Warehouse Design	4
156-107	Data Modeling	2
156-108	Intro to Databases & Reporting	1
156-109	Intro to SQL	2
156-110	Data Visualization & Reporting	2
156-111	Intro to Data Analysis	2
156-112	Advanced Topics in Data	2

GENERAL STUDIES

801-136	English Composition 1	3
801-197	Technical Reporting	3
804-133	Math & Logic	3
804-189	Introductory Statistics	3
809-195	Economics	3
809-199	Psychology of Human Relations	3
890-108	Employment Success	1



WAUKESHA
COUNTY TECHNICAL
COLLEGE

Hands-on
Higher Ed