Business Data Analyst
Diploma

Program Information
The Data Analyst graduate will receive the knowledge and skills necessary for employment and growth in entry-level business intelligence and data analyst professions. They will assist in the process of inspecting, cleansing, testing, and transforming data. Graduates will help interpret and visualize the data using various software tools and techniques to provide support in all decision making phases. Graduates will gain a solid understanding of information technology and applications used to support decision making. The Data Analyst graduate will have the opportunity to interact and work with various functional managers in all parts of the company.

Program Learning Outcomes
1. Graduates will have knowledge and understanding of data analysis tools used in organizations.
2. Graduates will have ability to prepare data and visualizations to help management in making decisions.
3. Graduates will have knowledge and understanding of relational database, data retrieval, data quality and data preparation methods.
4. Graduates will work various departments within an organization to validate, review and correct data discrepancies.
5. Graduates will use computer software programs and applications for inputting, verifying, organizing, storing, retrieving, transforming (changing, updating, and deleting), and extracting information.
6. Graduates will develop data visualizations and ad-hoc reports through collaboration with leadership to identify and define metrics that drive performance.

Course Prerequisites
Some courses may require appropriate test score or completion of basic math, basic English and/or reading courses with a “C” or better.

Graduation Requirements
All Anoka Technical College students seeking an Associate in Applied Science (AAS), diploma, or certificate must meet the cumulative grade point average (GPA) of 2.0 or higher.

Transfer Opportunities
To see how credits from this program may transfer into other Anoka Technical College programs or into a program at another college, visit: 
- Minnesota Transfer
- Anoka Technical College transfer student

Industry Information
Businesses are investing big-time in data analysis. Spending on big data and analytics will increase from $10 billion in 2012 to more than $32 billion in 2017, according to International Data Corporation. In context, that’s about six times the growth rate of the overall information and communication technology market. Source: Minnesota Business Magazine.

Wages/Outlook/Advancement
Wage information is available from the Minnesota Department of Employment and Economic Development.

Start Dates
Fall Semester .................................................. August, October
Spring Semester .................................................. January, March

Program Sequence
First Semester ............................................................. 15
- BDAT 1005 Data Analysis Fundamentals .................. 2
- ITEC 1003 Networking Fundamentals ..................... 2
- ITEC 1011 Programming Logic & Design ................. 4
- ITEC 1016 Web Programming Technologies .............. 4
- TLIT 1005 Technology Fundamentals ..................... 3
Second Semester ..................................................... 10
- BDAT 1000 Business Concepts ................................ 2
- ITEC 2120 DB Design & SQL ................................ 4
- ITEC 2700 Artificial Intelligence ................................ 4
Third Semester .......................................................... 11
- BDAT 1025 Data Preparation for Analytics ............... 3
- BDAT 1030 Data Analysis ...................................... 4
- ITEC 1025 Project Management .............................. 4
Fourth Semester ....................................................... 9
- BDAT 1010 Integrated Business Software ................. 3
- BDAT 2140 Business Intelligence ........................... 3
- BDAT 2145 Special Topics in Analytics ................... 3

Faculty Contact
Vicki Baumgartner ................................................ 763-576-4146

For information on how to apply, to schedule a tour, or for service during summer hours, contact Enrollment Services at 763-576-7710 or EnrollmentServices@anokatech.edu
Also see AAS degrees and/or diplomas in: Business Data Analyst, Network Management and Security, Software Development, and Web Design & Development, and IT Support certificate

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