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.

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.

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

- BDAT 1005, ITEC 1003, ITEC 1011, ITEC 1016, and TLIT 1005 are first semester courses and prerequisite to other courses in this major.

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.

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

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.

- Data Scientist 80-20 rule- 80% of the time is data mining, and setting up the data to be analyzed, and 20% of the time is doing the analytical forecasting.
- Creates an entry to the workforce; Middle Skill Big Data Workers (MSBDW)
- Closet occupational field is Data Analyst, which is expected to grow 20-28 percent. As markets become more competitive, firms will need to use resources more efficiently. (U.S. Department of Labor, 2012)
- Job title examples: Data Analyst, Business Data Analyst. Information Specialist, Business Intelligence Analyst, Operations Data Analyst, Marketing Research Analyst, Information Clerk

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

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Course Prerequisites

Program Information

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, Web Design & Development, and IT Support certificate

Industry Information

Transfer Opportunities

Graduation Requirements

Program Learning Outcomes

AnokaTech.edu

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 Busi-