

Business Data Analyst

Associate of Applied Science (AAS) Degree

Technical Requirements 45

General Education/MnTC 15

Total Credits 60

Program Information

The Anoka Technical College Business Data Analyst Associate of Applied Science (AAS) degree is a 60-credit program that focuses on graduates receiving 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. Program graduates will have the opportunity to interact and work with various functional managers in all parts of the company.

Program Learning Outcomes

By completing this program, students will achieve the following learning outcomes.

1. Business process analysis
2. Data mining
3. Data analysis
4. Define data patterns
5. Synthesize data
6. Information delivery and reporting

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](http://www.mntransfer.org/students/plan/s_agreements.php?numResults=25&archive=false&from_inst=70&from_prog=&to_inst=&Search=Search): (www.mntransfer.org/students/plan/s_agreements.php?numResults=25&archive=false&from_inst=70&from_prog=&to_inst=&Search=Search)
- [Anoka Technical College transfer student](http://www.anokatech.edu/BecomeStudent/Transfers.aspx): (www.anokatech.edu/BecomeStudent/Transfers.aspx)

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.
- 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](https://mn.gov/deed/job-seekers/job-outlook/) (https://mn.gov/deed/job-seekers/job-outlook/).

Technical Education: 45 Credits

<input type="checkbox"/>	ACCT 1015	Principles of Accounting I	4
<input type="checkbox"/>	BDAT 1000	Business Concepts	2
<input type="checkbox"/>	BDAT 1010	Integrated Business Software	3
<input type="checkbox"/>	BDAT 1025	Data Preparation for Analytics	3
<input type="checkbox"/>	BDAT 1030	Data Analysis	4
<input type="checkbox"/>	ITEC 1002	Networking Fundamentals	3
<input type="checkbox"/>	ITEC 1016	Web Programming Technologies	4
<input type="checkbox"/>	ITEC 1025	Project Management	4
<input type="checkbox"/>	ITEC 2100	Programming Logic & Design	4
<input type="checkbox"/>	ITEC 2120	DB Design & SQL	4
<input type="checkbox"/>	ITEC 2140	Business Intelligence	4
<input type="checkbox"/>	ITEC 2150	Advanced Business Intelligence	3
<input type="checkbox"/>	TLIT 1005	Technology Fundamentals	3

General Education/MnTC Requirements: 15 Credits

Fifteen (15) general education credits of Minnesota Transfer Curriculum (MnTC) are required from three different goal areas. Student is required to take one transferable course from MnTC Goal Area 4 and the following courses:

<input type="checkbox"/>	ENGL 2105	Business and Technical Writing	4
<input type="checkbox"/>	MATH 1550	Introduction to Statistics	4
<input type="checkbox"/>	PHIL 1200	Technology, Society, and Ethics	3
<input type="checkbox"/>	General Education/MnTC		4

Start Dates

Fall Semester August, October
Spring Semester January, March
(Also multiple start option each semester.)

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



(continued)

2018-2019

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Sample Program Sequence

Full Time

	Fall Semester	Spring Semester	Summer Semester
1st YEAR	ITEC 1002.....3	ACCT 10154	MATH 1550.....4
	ITEC 1016.....4	BDAT 1000.....2	PHIL 12003
	ITEC 21004	ITEC 2120.....4	TOTAL7
	TLIT 1005.....3	MnTC.....4	
	TOTAL14	TOTAL14	
2nd YEAR	BDAT 1025 3	BDAT 1010 3	
	BDAT 1030 4	ENGL 2105 4	
	ITEC 1025..... 4	ITEC 2140..... 4	
	TOTAL 11	ITEC 2150..... 3	
		TOTAL 14	