2018-2019

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 an 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 the 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: (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: (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 (http://mn.gov/deed/job-seekers/job-outlook/index.jsp).

Technical Education: 45 Credits

☐ ACCT 1015	Principles of Accounting I	4
☐ BDAT 1000	Business Concepts	2
☐ BDAT 1010	Integrated Business Software	3
☐ BDAT 1025	Data Preparation for Analytics	3
☐ BDAT 1030	Data Analysis	4
☐ ITEC 1002	Networking Fundamentals	3
☐ ITEC 1016	Web Programming Technologies	4
☐ ITEC 1025	Project Management	4
☐ ITEC 2100	Programming Logic & Design	4
☐ ITEC 2120	DB Design & SQL	4
☐ ITEC 2140	Business Intelligence	4
☐ ITEC 2150	Advanced Business Intelligence	3
☐ 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:

☐ ENGL 2105	Business and Technical Writing	4
☐ MATH 1550	Introduction to Statistics	4
☐ PHIL 1200	Technology, Society, and Ethics	3
☐ 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

ANOKA TECHNICAL COLLEGE
A member of Minnesota State

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Sample Program Sequence

Full Time

1st YEAR

Fall Semester		Spring Semester		Summer Semester	
ITEC 1002	3	ACCT 1015	4	MATH 1550	4
ITEC 1016	4	BDAT 1000	2	PHIL 1200	3
ITEC 2100	4	ITEC 2120	4	**TOTAL**	**7**
TLIT 1005	3	MnTC	4		
TOTAL	**14**	**TOTAL**	**14**		

2nd YEAR

Fall Semester		Spring Semester	
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**