

# Business Analytics

Degree Type: B.S.  
Minimum Credits Required: 120

## University Degree Requirements

For complete details on these and other university degree requirements, refer to the Degree and Graduation Requirements (<https://catalog.ndsu.edu/academic-policies/undergraduate-policies/degree-and-graduation/>) section in the University Catalog.

1. Minimum of 120 semester credits (some programs may exceed this minimum).
2. Complete the University General Education requirements.
3. Minimum institutional GPA of 2.00 based on work taken at NDSU.
4. Minimum of 30 credits in residence at NDSU.
5. Minimum of 36 upper level credits (courses numbered 300 or higher).
6. Students with transfer credit must meet the NDSU 30 credits in residence (#4). Of these 30 credits in residence, a minimum of 15 credits must be in courses numbered 300 or above, and 15 credits must be in the student's declared major curricula.

## University General Education Requirements

A list of university approved general education courses along with the administrative policies governing the requirement and the categories is available

Code	Title	Credits
Category C: Communication		12
Category R: Quantitative Reasoning		3
Category S: Science and Technology		10
Category A: Humanities and Fine Arts		6
Category B: Social and Behavioral Sciences		6
Category W: Wellness		2
Category D: Cultural Diversity		
Category G: Global Perspectives		
Category L: Digital Literacy		

**Total Credits** **39**

## Major Requirements

Code	Title	Credits
<b>Pre-Major Requirements</b>		
COMM 110	Fundamentals of Public Speaking	3
ECON 201 or ECON 202	Principles of Microeconomics <sup>2</sup> Principles of Macroeconomics	3
ENGL 120	College Composition II	3
MATH 144	Mathematics for Business	4
PSYC 111 or SOC 110	Introduction to Psychology Introduction to Sociology	3

## Major Core Requirements

ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
ECON 201 or ECON 202	Principles of Microeconomics <sup>2</sup> Principles of Macroeconomics	3
ENGL 320	Business and Professional Writing	3
PHIL 216	Business Ethics	3
STAT 330	Introductory Statistics	3
STAT 331	Regression Analysis	2
TL 116		3

Admission to the major program is required prior to taking the following courses:		
FIN 320	Principles of Finance <sup>1</sup>	3
MGMT 320	Foundations of Management <sup>1</sup>	3
MRKT 320	Foundations of Marketing <sup>1</sup>	3
BUSN 430	Legal and Social Environment of Business <sup>1</sup>	3
BUSN 489	Strategic Management <sup>1</sup>	3
MIS 315	System Analysis and Design	3
MIS 320	Management Information Systems <sup>1</sup>	3
MIS 340	Applied Business Intelligence	3
MIS 375	Database Design for Business Application	3
MIS 376	Data and Telecommunications Administration	3
MIS 450	Enterprise Systems	3
MIS 470	AI and Information Systems	3
MIS 479	Business Data Mining and Predictive Analytics	3
BUSN 380	Analytics for Business Decision Making	3
Program Elective - Select one course from the following:		3-4
CSCI 122	Visual BASIC	
CSCI 160	Computer Science I	
CSCI 172	Intermediate Visual BASIC	
CSCI 213	Modern Software Development With AI Tools	
CSCI 227	Computing Fundamentals in Python I	
CSCI 371	Web Scripting Languages	
ECE 173	Introduction to Computing	
STAT 471	Introduction to the R Language	
Business Elective: Any 300-400 level CoB course not used to satisfy other major requirements, CSCI 473, or ECON 324. (Excludes internships, study abroad, LEAD courses & MIS 371; includes courses cross-listed with CoB courses).		9
Internship in Business Analytics - Students must complete one of the following options:		3
MIS 397	Fe/Coop Ed/Internship	
MIS 413	MIS Service Internship	
MGMT 470	Entrepreneurship/Small Business Management	
GLBL 492	Global Practicum: Study Abroad	

**Total Credits****96-97**

<sup>1</sup> Denotes Common Body of Knowledge (CBK) course.

<sup>2</sup> Student will complete one ECON course for the pre-major and the other ECON course once admitted to the major.

**Degree Requirements and Notes:**

- All courses for the pre-major and major require a grade of C or better.
- Students follow the published curricula for the Business Analytics program of study from the semester/year of entrance in the College of Business to graduation provided enrollment at NDSU has not been discontinued for more than one year. Students who change their major are subject to meeting the curricular requirements in effect at the time the new major is declared.
- The CoB accepts a maximum of up to (but not including) 50% of upper-division business courses\* required for degree completion, with a minimum grade of C\*\*. All transfer courses are subject to approval by the course discipline chair or designated representative.

\* Defined as courses with the following prefixes: ACCT, BUSN, ENTR, FIN, MGMT, MIS, MRKT, SCM

\*\* Credits that do not qualify for degree completion will still be accepted as general credits towards graduation, within the restrictions defined by university policy.

- Students must earn a 2.50 institutional GPA to graduate.
- Admission to the Business Analytics major is required to enroll in the advanced 300 or 400 level courses in the CoB.
- A letter grade must be earned in any course that fulfills a major requirement (with the exception of some practicum options).
- Of the credits completed in residence at least 30 credits must be in 300-400 level CoB courses.
- Students must be accepted to the MIS major prior to the completion of the last 30 credits in 300 and 400 level CoB courses.

- Students are not eligible for a Business Administration minor with this major.
- For multiple majors within the CoB, at least 15 unique credits of 300-400 level CoB courses must exist between the majors.
- Prerequisite for MIS 397: Business Analytics Practicum: MIS 320 with a grade of C or better.