

Business Analytics Major (64-66 credit hours)

Courses in business analytics are designed to provide general understanding of the process of using statistical and computer-scientific knowledge and skills to analyze and visualize data for business decision-making. Business analytics majors will be well prepared to apply their knowledge in a variety of professions, such as business systems analyst, data analyst, business intelligence manager, or market research analyst.

**Business Core Requirements (43-hours)**

- MATH 1300 Finite Mathematics, 3 credit hours or Applied Calculus, 4 credit hours or MATH 2010, Calculus I, 4 credit hours
- ACCT 2010 Principles of Accounting I, 3 credit hours
- ACCT 2020 Principles of Accounting II, 3 credit hours
- BSNS 1050 Business as a Profession, 2 credit hours
- BSNS 2310 Business Analytics, 3 credit hours
- BSNS 2450 Data Analytics and Decision Making for Business, 3 credit hours
- BSNS 2510 Principles of Finance, 3 credit hours
- BSNS 2710 Principles of Management, 3 credit hours
- BSNS 2810 Principles of Marketing, 3 credit hours
- BSNS 3270 Project Management, 3 credit hours
- BSNS 3420 Business Law, 3 credit hours
- BSNS 4500 Strategic Management, 3 credit hours
- BSNS 4910 Senior Seminar in Business, 2 credit hours
- ECON 2010 Principles of Macroeconomics, 3 credit hours
- ECON 2020 Principles of Microeconomics, 3 credit hours

**Major Requirements (21 - 22 hours)**

- CPSC 2020, Fundamentals of Computational Thinking and Programming, 4 credit hours
- CPSC 2040, Introduction to Data Science, 4 credit hours
- CPSC 2100, Database Programming, 4 credit hours
- BSNS 3390, Advanced Descriptive Analytics, 3 credit hours
- BSNS 4390, Advanced Predictive Analytics, 3 credit hours

Plus 3 elective credit hours from:

- CPSC 2080, Introduction to Cybersecurity, 3 credit hours
- CPSC 2330, Web Application Development, 4 credit hours
- CPSC 4100, Advanced Database and Big Data Analytics, 4 credit hours

**NOTE:** All students must complete 120 total credit hours to graduate from Anderson University.

**Business Analytics: 4 Year Suggested Course Sequence**

SEMESTER 1	HOURS	SEMESTER 2	HOURS
BSNS 1050	2	BSNS 2310	3
<b>MATH 1300/1400/2010</b>	3-4	BSNS 2710	3
<b>ENGL 1100/ENGL 1110</b>	3-4	<b>ENGL 1120</b>	3
<b>LART 1050</b>	1	<b>COMM 1000</b>	3
<b>Foreign Language</b>	4	<b>Civic Ways of Knowing</b>	3
<b>Personal Wellness</b>	2		

SEMESTER 3	HOURS	SEMESTER 4	HOURS
ACCT 2010	3	ACCT 2020	3
<b>Social and Behavioral Ways of Knowing, ECON 2010</b>	3	ECON 2020	3
BSNS 2450	3	BSNS 2810	3
CPSC 2020	4	BSNS 2510	3
<b>Global/Intercultural Ways of Knowing, BSNS 3120</b>	3	CPSC 2040	4

SEMESTER 5	HOURS	SEMESTER 6	HOURS
<b>BIBL 2000</b>	3	<b>Christian Ways of Knowing</b>	3
BSNS 3270	3	<b>Civic Discourse &amp; Critical Reasoning, BSNS 3420</b>	3
CPSC 2100	4	Elective	3
Computer Science Directed Elective <sup>1</sup>	4	Elective	3
		Elective	3

SEMESTER 7	HOURS	SEMESTER 8	HOURS
BSNS 4910	2	<b>Aesthetic Ways of Knowing</b>	3
<b>Scientific Ways of Knowing</b>	4	<b>Speaking Intensive</b>	3
BSNS 3390	3	BSNS 4500	3
Elective	3	BSNS 4390	3
Elective	3	Elective	3

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<sup>1</sup> CPSC 2080, CPSC 2330, or CPSC 4100

**Business Analytics: 3 Year Suggested Course Sequence**

SEMESTER 1	HOURS	SEMESTER 2	HOURS
BSNS 1050	2	BSNS 2310	3
<b>MATH 1300/1400/2010</b>	3-4	BSNS 2710	3
<b>ENGL 1100/ENGL 1110</b>	3-4	<b>ENGL 1120</b>	3
<b>LART 1050</b>	1	<b>COMM 1000</b>	3
<b>Foreign Language</b>	4	<b>Civic Ways of Knowing</b>	3
<b>Personal Wellness</b>	2	Elective	3

SUMMER 1	HOURS
<b>BIBL 2000</b>	3
<b>Aesthetic Ways of Knowing</b>	3
Elective	3

SEMESTER 3	HOURS	SEMESTER 4	HOURS
ACCT 2010	3	ACCT 2020	3
<b>Social and Behavioral Ways of Knowing, ECON 2010</b>	3	ECON 2020	3
BSNS 2450	3	BSNS 2810	3
CPSC 2020	4	BSNS 2510	3
BSNS 3270	3	CPSC 2040	4
Elective	2		

SUMMER 1	HOURS
<b>Christian Ways of Knowing</b>	3
Elective	3
Elective	3

SEMESTER 5	HOURS	SEMESTER 6	HOURS
CPSC 2100	4	<b>Civic Discourse &amp; Critical Reasoning, BSNS 3420</b>	3
Computer Science Directed Elective <sup>2</sup>	4	BSNS 4910	2
<b>Global/Intercultural Ways of Knowing, BSNS 3120</b>	3	<b>Speaking Intensive</b>	3
<b>Scientific Ways of Knowing</b>	4	BSNS 4500	3
BSNS 3390	3	BSNS 4390	3
		Elective	3

**NOTE:** All students must complete 120 total credit hours to graduate from Anderson University.

<sup>2</sup> CPSC 2080, CPSC 2330, or CPSC 4100