

Business with Science Applications

at Benedictine University

Why study business with science applications at Benedictine?

When you choose to become a Business with Science Applications major at Benedictine University, you will receive a thorough exposure to business and science principles and how they are applied to technology-based businesses important to growing our national and global economy. You will select one track from four high growth technology areas – biotechnology, informatics, environment or pharmaceuticals/allied health – along with your business and science cores.

In addition, seven new specialization courses have been developed to capture the management tools of emerging technology-based businesses. These courses will cover topics such as intellectual property protection, innovation and product development, ethics and quality, and project team development.

Because Benedictine is located close to the I-88 high-tech corridor, an internship experience at a partner company such as BP, Packer Engineering, Abbott, Nalco, Tellabs, Cabot Microelectronics and others will be arranged. This will culminate in a capstone course, preparing you to launch your career or position you to continue post-graduate studies.

What careers are available with a Business with Science Applications degree?

Our program has been designed to provide you with the necessary theoretical and practical background for careers in the following functions:

- Product development and management
- Quality and process improvement
- Technical sales and marketing
- Account management
- Business analyst
- Project team management
- Supply chain management

Alternatively, your bachelor's degree positions you to pursue a law degree if your interests are in patent law for technology products, a Master of Business Administration with typically two years of work experience required, or a certificate in Project Management.

How does the program work?

As a Business with Science Applications major, you'll acquire the broad base of knowledge represented by the University's core courses taken by all students that will prove valuable in your future career development and daily life as a citizen of your community. You'll learn the fundamentals of the economic system as it functions nationally, globally and within the corporation, the principles of accounting and managerial finance, and the principles of mathematics along with knowledge in each of the related social sciences: sociology, political science, psychology and ethics. In addition, you'll learn the fundamentals of science (biology, chemistry and physics). In selecting a science elective track you will gain more in-depth technical knowledge in one of four areas: biotechnology, informatics, environment or pharmaceutical/allied health. The seven new science management specialization courses will prepare the graduate to function as a translator between business and science, leading to professional growth and an important role in businesses with science and technology underpinnings.

Recommended Program

Bachelor of Business Administration in Business with Science Applications

FRESHMAN

Mathematics (MATH 111 Trigonometry or Higher)	3
Chemistry (CHEM 113/114)	4
Biology (BIO 197)	3
Writing Colloquium (WRIT S101)	3
Macroeconomics (ECON 101)	3
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Business Calculus (MATH 115)	3
Chemistry (CHEM 123/124)	4
Biology (BIO 198/199)	4
Speech Communication (SPCH S110)	3
Research Writing (WRIT S102)	3
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JUNIOR

Business Statistics I (MGT 150)	3
Psychology core elective	3
Cultural Heritage (HUMN 220)	3
Science elective*	3
Intro Science Management (BSCI 200)	3
Science Management: Legal (BSCI 210)	3
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Business Statistics II (MGT 251)	3
Cultural Heritage (HUMN 230)	3
Science elective *	3
Science Management: Product Development (BSCI 220)	3
Managerial Finance (FINA 300)	3
	15

SOPHOMORE

Accounting I (ACCT 111)	3
Physics 113	3
Computer Science (CMSC 180+181 or 183 or higher)	3
Philosophy core elective	3
Literature core elective	3
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Accounting II (ACCT 112)	3
Physics 118	3
Microeconomics (ECON 102)	3
Fine Arts/Music core elective	3
Ethics-Religious Studies core (MGT/THEO 252)	3
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SENIOR

Internship (BSCI 297)	3
Marketing (MKTG 300)	3
Management (MGT 300)	3
Cultural Heritage (HUMN 240)	3
Science elective*	3
Political Science core elective	3
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Science Management: Ethics and Quality (BSCI 230)	3
Cultural Heritage (HUMN 250)	3
Capstone (BSCI 380)	3
Product Team Development (BSCI 240)	3
Project Management (MGT 347/CIS 388)**	3
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* Science elective selected from four tracks (i.e. biotechnology, informatics, environment or pharmaceuticals/allied health).

** Project Management (MGT 347/CIS 388) is offered every year during the Spring semester.