



Business with Science Applications

at Benedictine University

Why study business with science applications at Benedictine?

When you become a Business with Science Applications major at Benedictine University, you will receive a thorough exposure to business and science principles and learn 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, six 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 and ethics and quality.

Because Benedictine is located close to the I-88 high-tech corridor, an internship experience at a partner company such as BP, Abbott Laboratories, 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 degree in Business with Science Applications?

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
- 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 six 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

Writing Colloquium	3
Mathematics (College Trigonometry or higher)	3
General Chemistry I and Lab	4
Social Scientific II: Political, Global and Economic Systems (QPE)	3
Basic Speech	3
Research Writing	3
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General Chemistry II and Lab	3
Principles of Biology and Lab	4
College Algebra	4
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JUNIOR

Catholic and Benedictine Intellectual Traditions (IDS 201)	3
Managerial Finance	3
Science elective	3
Introduction to Science Management	3
Science Management: Legal Aspects	3
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Human Dignity and the Common Good (IDS 301)	3
Science elective	3
Science Management: Innovation and Product Development	3
Philosophical (QPL) course	3
Business Statistics II	3
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SOPHOMORE

Management	3
Accounting I	3
Computer Science (CMSC 180 and 184 or higher)	3
College Physics	3
Marketing	3
Computational, Mathematical and Analytical (QCM) course	3
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Accounting II	3
College Physics II	3
Principles of Microeconomics or Social Scientific II: Political, Global and Economic Systems (QPE) course	3
Artistic and Creative (QCA) course	3
Business Statistics I	3
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SENIOR

Science elective	3
Religions/Theological (QRT) course	3
Historical (QHT) course	3
Literary and Rhetorical (QLR) course	3
Internship	3
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Science Management: Ethical and Quality Systems	3
Capstone	3
Social Scientific I: Individuals, Organizations and Societies (QIO)	3
Project Management	3
Elective	3
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