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 that are 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 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
- Program Manager/Project Manager

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 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.
# Department Core

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
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<tbody>
<tr>
<td>Fall</td>
<td>Year 1</td>
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<td>Spring</td>
<td>Year 2</td>
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- Course: MGT 380
- Mode of Inquiry: Management
- Prerequisites: MGT 280 or approved
- Core/Minor: Business Calculus, Excel for Mere Mortals

# Cognates

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<td>Fall</td>
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<td>Spring</td>
<td>Year 2</td>
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- Course: MTG 240
- Mode of Inquiry: Business Calculus
- Prerequisites: MATH 115 or MATH 110
- Core/Minor: Science Core Courses

# Science Core Courses

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</table>

- Course: BIOL 197
- Mode of Inquiry: Principles of Organismal Biology
- Prerequisites: MATH 105 or better
- Core/Minor: Science Core Courses

# Program Map

## Business with Science Applications

The program map outlines Business with Science Applications requirements for graduation, including course sequences, prerequisites, and recommended terms to enroll. Recommended term is enrollment in courses within the program.
Science elective tracks are specific recommended groupings of courses designed to develop a career focus within this undergraduate major. These course groupings allow students to focus their studies and actively prepare for a career in a specialized field. Certain courses in the tracks may fulfill major specialization requirements in other majors.

Biotechnology Track
BIOL 208 General Microbiology, BIOL 250 Genetics, BIOL 260 Recombinant DNA Lab.

Informatics Track

Environmental Track

Pharmaceuticals/Allied Health Track
CHEM 103 Introduction to Organic Chemistry and Biochemistry, NUTR 200 Nutritional Science, BIOL 258 Human Physiology.