

New Program Proposal

Changes saved but not submitted

Viewing: : **Bachelor of Business Analytics**

Last edit: 04/30/26 12:55 pm

Program Status	Active		
Requestor	Name	Rich Klein	E-mail
	rklein6@stuart.iit.edu		
Origination Date	2026-4-30		
Is this an interdisciplinary program?	No		
Is this an incubator program?	No		
Is this stem-eligible?	Yes		
Available for direct application?	Yes		
Academic Unit	Business Administration	College	
	Stuart School of Business		
Program Title	Bachelor of Business Analytics		
Effective Academic Year	2027 - 2028	Effective Term	Summer 2027
Academic Level	Undergraduate		
<p><i>If all courses in a subject in your department are required, please enter each subject followed by the number ranges in the "Quick Add" field in the pop up box when you click the green plus button below. For example: ARCH 100-499.</i></p>			
<p>What courses will factor the major GPA?</p>			

Program Type Degree
Degree Type Professional Bachelor (BAC)

CIP Code
30.7102 - Business Analytics.

Is there more than one Academic Unit proposer?

No

Program Code

Program Attribute

Total Program
Credit Hours

Program Narrative and Justification

Narrative description of how the institution determined the need for the program. For example, describe what need this program will address and how the institution became aware of that need. If the program is replacing a current program(s), identify the current program(s) that is being replaced by the new program(s) and provide details describing the benefits of the new program(s). If the program will be offered in connection with, or in response to, an initiative by a governmental entity, provide details of that initiative.

Demand for business analysts and data-driven decision-makers is rising rapidly. Chicago, a global logistics, financial services, energy, and agricultural trading center, offers abundant opportunities in data-intensive industries. Illinois Tech leverages its location and industry connections to help students access internships, networking, and career opportunities in these high-demand fields.

Illinois Tech already offers a B.S. in Business Analytics and B.S. in Marketing Analytics. This new degree program gives students seeking a streamlined professional degree an option to complete a degree in 90 credit hours. The program is targeted at adult learners and working professionals with some college and no degree.

The Bachelor of Business Analytics degree will give students a strong foundation in business, economics, quantitative analysis, and technology. The curriculum will cover accounting, finance, econometrics, marketing, data analytics, and data visualization. Students will develop fundamentals expertise in business concepts and strong quantitative and analytical skills, enabling them to bridge business and technology effectively.

Narrative description of how the program was designed to meet local market needs, or for an online program, regional or national market needs. For example, indicate if Bureau of Labor Statistics data or State labor data systems information was used, and/or if State, regional, or local workforce agencies were consulted. Include how the course content, program length, academic level, admission requirements, and prerequisites were decided; including information received from potential employers about course content; and information regarding the target students and employers.

The Bachelor of Business Analytics degree was developed in consultation with the dean of Stuart School of Business, industry experts, Stuart faculty, and a review of market and occupational data trends.

Narrative description of any wage analysis the institution may have performed, including any consideration of Bureau of Labor Statistics wage data related to the new program.

According to the U.S. Bureau of Labor Statistics, graduates from business analytics programs pursue careers as management analysts, market research analysts, operations research analysts, financial analysts, and data analysts — all fields with above-average wages and strong projected job growth. The US Bureau of Labor Statistics reports that the median occupational wage of Management analysts in 2023 is \$99,410. In the same year, 1,018,300 management analysts were employed in various companies. The growth rate for this occupation is 11% (much faster than average, 4%) from 2023 to 2033. About 95,700 openings for management analysts are projected each year, on average, over the decade.

Narrative description of how the program was reviewed or approved by, or developed in conjunction with, one or more of the following: a) business advisory committees; b) program integrity boards; c) public or private oversight or regulatory agencies (not including the state licensing/authorization agency and accrediting agency); and d) businesses that would likely employ graduates of the program. For example, describe the steps taken to develop the program, identify when and with whom discussions were held, provide relevant details of any proposals or correspondence generated, and/or describe any process used to evaluate the program.

The Bachelor of Business Analytics program was developed and approved by the Stuart School of Business faculty.

Admission Entry Details

Available Fall Admit	Yes	Available Spring Admit	Yes
			Available Summer Admit
No			

Available On Campus Yes
No

Available Online

Available Full-Time Yes
Yes

Available Part-Time

Available International Yes
Yes

Available Domestic

What are the enrollment estimates?

Year 1 10

Year 2 15

Year 3 20

Attach Additional Program Justification Document(s)

Academic Information

Advising

Since quality advising is a key component of good retention, graduation, and career placement, how will students be mentored? What student professional organizations will be formed? How will the department work with the Career Services office to develop industry connections?

Students will be advised by the Stuart Undergraduate Program Director.

Program Resources

Which program resources are necessary to offer this program?

Personnel
Facilities

Describe the personnel requirements necessary to offer the program. Describe how and when resources will be made available to hire any additional personnel that are required.

No new resources are required

Describe the facilities requirements necessary to offer the program. Describe how and when resources will be made available to obtain any additional facilities that are required.

No new resources are required

Proposed Catalog Entry

Admission

Requirements

The Bachelor of Business Analytics degree will give students a strong foundation in business, economics, quantitative analysis, and technology. The curriculum will cover accounting, finance, econometrics, data analytics, and data visualization. Students will develop deep expertise in business concepts and strong quantitative and analytical skills, enabling them to bridge business and technology effectively.

Illinois Tech undergraduate admission requirements can be found at <http://bulletin.iit.edu/undergraduate/undergraduate-admission/>.

Course Requirements

Core Business Requirements		(39)
<u>BUS 100</u>	Business in the 21st Century	3
<u>BUS 102</u>	Business Analytics Fundamentals	3
<u>BUS 211</u>	Financial Accounting	3
<u>BUS 212</u>	Managerial Accounting	3
<u>BUS 221</u>	Business Statistics	3
<u>BUS 301</u>	Organizational Behavior	3
<u>BUS 305</u>	Operation and Supply Chain Analytics	3
<u>BUS 321</u>	Analytics for Optimization	3
<u>BUS 351</u>	Financial Decision Making and Capital Budgeting	3
or <u>ECON 423</u>	Economics of Capital Investments	
<u>BUS 371</u>	Marketing Fundamentals	3
<u>BUS 480</u>	Strategic Management and Design Thinking	3
<u>ECON 151</u>	Microeconomics	3
<u>ECON 152</u>	Macroeconomics	3
Business Analytics Requirement		(9)

<u>ECON 251</u>	Introduction to Econometrics	3
<u>BUS 477</u>	Analytics for Decision Making	3
<u>BUS 484</u>	Data Analytics and Visualization	3
Mathematics Requirement		(4)
<u>MATH 148</u>	Preparation for Calculus	4
or		
<u>MATH 191</u>	Business Calculus	4
or		
<u>MATH 192</u>	Linear Mathematics	3
or		
<u>MATH 151</u>	Calculus I	5
Natural Science and Engineering Requirements		(10)
<u>See Illinois Tech Core Curriculum, section D</u>		10
Humanities and Social Science Requirements		(21)
<u>See Illinois Tech Core Curriculum, section B and C</u>		21
Computer Science Requirement		(2)
<u>CS 105</u>	Introduction to Computer Programming	2
or <u>CS 110</u> Computing Principles		
Interprofessional Projects (IPRO)		(6)
<u>See Illinois Tech Core Curriculum, section E</u>		6
Total Credit Hours		91

Sample Curriculum/Program Requirements

Semester 1	Credit Hours	Semester 2	Year 1 Credit Hours
<u>BUS 100</u>	3	<u>BUS 102</u>	3
<u>ECON 151</u>	3	<u>BUS 221</u>	3
<u>MATH 148</u>	4	<u>ECON 152</u>	3
<u>CS 105</u>	2	Science Elective	4

Humanities Elective (100 Level Course)	3	Social Sciences (100 Level Course)	3
	15		16
Year 2			
Semester 1	Credit	Semester 2	Credit
	Hours		Hours
<u>BUS 211</u>	3	<u>BUS 212</u>	3
<u>BUS 321</u>	3	<u>BUS 301</u>	3
<u>ECON 251</u>	3	<u>BUS 351</u> or <u>ECON 423</u>	3
Science Elective	3	<u>BUS 371</u>	3
Social Sciences Elective (200+ Level Course)	3	Humanities Elective (200+ Level Course)	3
	15		15
Year 3			
Semester 1	Credit	Semester 2	Credit
	Hours		Hours
<u>BUS 305</u>	3	<u>BUS 480</u>	3
<u>BUS 477</u>	3	<u>BUS 484</u>	3
Science Elective	3	Humanities Elective (200+ Level Course)	3
Social Sciences Elective (200+ Level Course)	3	Humanities or Social Science Elective	3
IPRO Elective I	3	IPRO Elective II	3
	15		15
Total Credit Hours: 91			

Program Outcomes and Assessment Process

What are your learning objectives in this program? Please list each learning objective in the boxes below:

Note: These should be the same as described in your assessment plan at the bottom of this form.

Stuart Common Goal #1: Communication Proficiency (Presentation and Oral Communication Skills): Our graduate students will prepare and deliver well-structured and purposeful oral presentations that support managerial decision-making.

Stuart Common Goal #2: Technological Proficiency: Graduates will demonstrate technological proficiency appropriate for business professionals.

Program Specific Goal: Students will be able to use visual/analytical techniques to communicate and solve management problems.

Upload your assessment plan here:

Undergraduate Program Requirements

What courses will factor the major GPA?

Undergraduate Degree Requirements

Minimum credit hours

Specialization required?
No

Minor required?
No

Proposed General Curriculum

List Major Course Requirements

Core Business Requirements	(39)
<u>BUS 100</u> Business in the 21st Century	3

BUS 102	Business Analytics Fundamentals	3
BUS 211	Financial Accounting	3
BUS 212	Managerial Accounting	3
BUS 221	Business Statistics	3
BUS 301	Organizational Behavior	3
BUS 305	Operation and Supply Chain Analytics	3
BUS 321	Analytics for Optimization	3
BUS 351	Financial Decision Making and Capital Budgeting	3
or ECON 423	Economics of Capital Investments	
BUS 371	Marketing Fundamentals	3
BUS 480	Strategic Management and Design Thinking	3
ECON 151	Microeconomics	3
ECON 152	Macroeconomics	3
Business Analytics Requirements		(9)
ECON 251	Introduction to Econometrics	3
BUS 477	Analytics for Decision Making	3
BUS 484	Data Analytics and Visualization	3
List Mathematics Requirements		
MATH 148	Preparation for Calculus	4
or MATH 191	Business Calculus	
or MATH 192	Linear Mathematics	
or MATH 151	Calculus I	
List Science Requirements		
See Illinois Tech Core Curriculum, section D		10
List Computer Science Requirements		
CS 105	Introduction to Computer Programming	2

or [CS 110](#) Computing Principles

List Humanities and
Social Sciences
Requirements

[See Illinois Tech Core Curriculum, section B and C](#)

21

List
Interprofessional
Project (IPRO)
Requirements

[See Illinois Tech Core Curriculum, section E](#)

6

List Technical
Elective Course
Options

None

List Free Elective 0
Credit Hours (if
applicable)

Semester-by-
semester plan of
study for the
degree program

Reviewer
Comments

Key: 711

