Date Submitted: 08/25/25 12:01 pm

Viewing: BS-EBAN : Bachelor of Science in Economics and Business Analytics

Last approved: 05/07/24 2:44 pm

Last edit: 08/25/25 12:01 pm

Changes proposed by: skang21

Catalog Pages Using this Program

Bachelor of Science in Economics and Business Analytics*

Program Status	Hiatus ~~Active~~		
Requestor	Name	Sang-Baum Kang	E-mail skang21@stuart.iit.edu
Origination Date	2025-8-25 ~~2024-4-16~~		
Is this an interdisciplinary program?	No		
Academic Unit	Business Administration		
College	Stuart School of Business		
Program Title	Bachelor of Science in Economics and Business Analytics		
Effective Academic Year	2025 ~~2024~~ - 2026 ~~2025~~	Effective Term	Fall 2025
Academic Level	Undergraduate		

In Workflow

1. SB Associate Dean
2. Academic Affairs
3. Undergraduate Academic Affairs
4. SB Dean
5. Undergraduate Studies Committee Chair
6. Faculty Council Chair
7. Faculty Council Chair
8. Provost
9. President
10. Academic Affairs

Approval Path

1. 08/25/25 11:48 am M Krishna Erramilli (krish): Approved for SB Associate Dean
2. 08/25/25 11:56 am Ayesha Qamer (aqamer): Rollback to Initiator
3. 08/25/25 12:01 pm M Krishna Erramilli (krish): Approved for SB Associate Dean
4. 09/03/25 12:04 pm Ayesha Qamer (aqamer): Approved for Academic Affairs
5. 09/03/25 12:22 pm Joseph Gorzkowski (jgorzkow): Approved for Undergraduate Academic Affairs

6. 09/03/25 1:36 pm Rich Klein (rklein6): Approved for SB Dean

History

1. Nov 15, 2023 by Roland Calia (rcalia)
2. May 7, 2024 by Sang-Baum Kang (skang21)

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.

What courses will factor the major GPA?

Program Type	Degree
Degree Type	Bachelor of Science (BS)

CIP Code

45.0603 - Econometrics and Quantitative Economics.

Is there more than one Academic Unit proposer?

No

Program Code	BS-EBAN
Program Attribute	
Total Program Credit Hours	120

Please provide a summary and rationale for the requested program revision.

We put this program into a hiatus status. The program has enrolled only two students since its inception, including one new student expected to join in Fall 2025. Stuart's Business Tech+ programs have demonstrated stronger enrollment demand, which justifies the allocation of research faculty to support business school accreditation requirements. We have a proposal pending for a new BS in Business Analytics, with both students eager to switch to the new degree when available. Stuart is also developing a BS in Business Economics and revising a

Minor in Economics. ~~To reduce two business electives from 12 credits to 6 credits.To align the assessment plan with the curriculum map.~~

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 initative by a governmental entity, provide details of that initiative.

The Bachelor of Science in Economics and Business Analytics program is driven by the increasing demand for graduates who can apply analytical techniques to economic and business problems. This program equips students with the necessary skills and knowledge to analyze and interpret complex economic and business data, make informed decisions, and communicate insights effectively. The program is ideal for students who have an interest in both economics and business analytics. Graduates from this program may find opportunities in various industries, including technology, banking and finance, consulting, government agencies, non-profit organizations, and health care. The program taps the strengths of the Stuart School of Business in economics and business analytics, and Illinois Tech's history of offering business programs spanning more than a century. Students will have access to subject matter experts from both disciplines, and will learn important skills linked to economics and business analytics, with the aim of preparing them for successful careers in economics, analytics, government, and business and/or graduate studies.

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 BS in Economics and Business Analytics degree was developed in consultation with 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.

An economics and business analytics degree can provide an excellent preparation for the private and public sector job markets. Students with education in economics have a relatively high median starting salary of $51,000 and a $78,000 average base salary, making it one of the 20 most profitable college majors according to PayScale.com. The opportunities for wage growth are high, particularly with further education. The US Bureau of Labor Statistics reports a median occupational wage of $105,630.

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 BS in Economics and Business Analytics program was developed and approved by Stuart School of Business faculty.

Admission Entry Details

What are the enrollment estimates?

Year 1 5 Year 2 7 Year 3 10

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 personnel are needed

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 facilities are needed.

Proposed Catalog Entry

Admission

Requirements

increasing demand for graduates who can apply analytical techniques to economic and business problems. This program equips students with the necessary skills and knowledge to analyze and interpret complex economic and business data, make informed decisions, and communicate insights effectively. The program is ideal for students who have an interest in both economics and business analytics. Graduates from this program may find opportunities in various industries, including technology, banking and finance, consulting, government agencies, non-profit organizations, and health care. The program taps the strengths of the Stuart School of Business in economics and business analytics, and Illinois Tech's history of offering business programs spanning more than a century. Students will have access to subject matter experts from both disciplines, and will learn important skills linked to economics and business analytics, with the aim of preparing them for successful careers in economics, analytics, government, and business and/or graduate studies

Course Requirements

Required Economics Courses		**(33)**
BUS 100	Introduction to Business and Economics	3
ECON 151	Microeconomics	3
ECON 152	Macroeconomics	3
BUS 211	Financial Accounting	3
BUS 212	Managerial Accounting	3
BUS 221	Business Statistics	3
ECON 311	Intermediate Microeconomics	3
ECON 312	Intermediate Macroeconomics	3
ECON/BUS 382	Business Economics	3
ECON 383	Sports Economics	3
ECON 423	Economics of Capital Investments	3
Required Business Analytics Courses		**(33)**
BUS 102	Introduction to Business Analytics	3
ECON 251	Introduction to Econometrics	3
BUS 321	Analytics for Optimization	3

BUS 305	Operation and Supply Chain Analytics	3
BUS 371	Marketing Fundamentals	3
BUS 473	Marketing Analytics	3
BUS 475	Sales Management and Analytics	3
BUS 484	Data Analytics and Visualization	3
BUS 480	Strategic Management and Design Thinking	3
Choose 2 electives from the following courses		6
BUS 301	Organizational Behavior	3
BUS 311	Strategic Cost Management	3
BUS 341	Business Law	3
BUS 361	Topics in Entrepreneurship	3
BUS 452	International Finance	3
BUS 454	Investments	3
BUS 455	Corporate Finance	3
BUS 457	Financial Modeling	3
BUS 458	Financial Derivatives	3
BUS 472	New Product Development	3
BUS 476	Consumer Behavior	3
Mathematics Requirements		**(4)**
MATH 148	Preparation for Calculus	4
or MATH 151	Calculus I	
or MATH 191	Business Calculus	
or MATH 192	Finite Mathematics	
Natural Sciences and Engineering Requirements		**(10)**
See Illinois Tech Core Curriculum, section D		10
Humanities and Social Science Requirements		**(21)**
See Illinois Tech Core Curriculum, sections B and C		21
Computer Science Requirements		**(2)**
CS 105	Introduction to Computer Programming	2
or CS 110	Computing Principles	
Interprofessional projects (IPRO)		**(6)**
See Illinois Tech Core Curriculum, section E		6

Free Electives	(11)
Select 11 credit hours	11
Total Credit Hours	120

Sample Curriculum/Program Requirements

Year 1

Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 100	3	BUS 102	3
ECON 151	3	BUS 221	3
CS 105 or 110	2	ECON 152	3
Humanities Elective (200 Level)	3	Social Science Elective	3
MATH 148, 119, 151, or 192	4	Science Elective	4
	15		16

Year 2

Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 211	3	BUS 212	3
BUS 321	3	BUS 371	3
ECON 311	3	ECON 312	3
Humanities Elective (300+)	3	Humanities Elective (300+)	3
Science Elective	3	Science Elective	3
	15		15

Year 3

Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 473	3	BUS 305	3
ECON 251	3	BUS 475	3
ECON 383	3	ECON 382	3
Economics or Analytics Elective	3	Economics or Analytics Elective	3
Social Science Elective (300+)	3	IPRO Elective I	3
	15		15

Year 4

Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 484	3	BUS 480	3
ECON 423	3	Free Elective	3
Free Elective	3	Humanities or Social Science Elective	3
IPRO Elective II	3	Free Elective	3
Social Science Elective (300+)	3	Free Elective	2
	15		14

Total Credit Hours: 120

Specialization Requirements

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.

Students will prepare and deliver oral presentations that are well-structured, technically competent and make good use of aids to support evidence-driven conclusions.

Students will prepare documents in text-based media that are clear, accurate, and appropriate for the intended audience.

Students will be able to develop well-reasoned arguments and conclusions.

Graduates will possess the analytical skills to support business decision making.

Graduates will be able to analyze economic decisions to assist prudent financial decisions and informed policy decisions

Upload your assessment plan here:

Assessment Plan v2023 Stuart BS Economics and Business Analytics.xlsx

Undergraduate Program Requirements

What courses will factor the major GPA?

Undergraduate Degree Requirements

Minimum credit hours 120

Specialization required?
No

Minor required?
No

Proposed General Curriculum

List Major Course Requirements		
Required Economics Courses		
BUS 100	Introduction to Business and Economics	3
ECON 151	Microeconomics	3
ECON 152	Macroeconomics	3
BUS 211	Financial Accounting	3
BUS 212	Managerial Accounting	3
BUS 221	Business Statistics	3
ECON 311	Intermediate Microeconomics	3
ECON 312	Intermediate Macroeconomics	3
ECON/BUS 382	Business Economics	3
ECON 383	Sports Economics	3
ECON 423	Economics of Capital Investments	3
Required Business Analytics Courses		
BUS 102	Introduction to Business Analytics	3
ECON 251	Introduction to Econometrics	3
BUS 305	Operation and Supply Chain Analytics	3
BUS 321	Analytics for Optimization	3
BUS 371	Marketing Fundamentals	3
BUS 473	Marketing Analytics	3
BUS 475	Sales Management and Analytics	3
BUS 480	Strategic Management and Design Thinking	3
BUS 484	Data Analytics and Visualization	3
Total Credit Hours		60

List Mathematics Requirements		
Mathematics Requirements		
MATH 148	Preparation for Calculus	4
or MATH 151	Calculus I	
or MATH 191	Business Calculus	
or MATH 192	Finite Mathematics	
Total Credit Hours		4
List Science Requirements		
Natural Science and Engineering Requirements		
https://bulletinnext.iit.edu/undergraduate/undergraduate-education/core-curriculum/#core_d		10
Total Credit Hours		10
List Computer Science Requirements		
Computer Science Requirement		
CS 105	Introduction to Computer Programming	2
or CS 110	Computing Principles	
Total Credit Hours		2
List Humanities and Social Sciences Requirements		
Course List CODE TITLE CREDIT HOURS Humanities and Social Science Requirements		
https://bulletinnext.iit.edu/undergraduate/undergraduate-education/core-curriculum/#core_b		21
Total Credit Hours		21
List Interprofessional Project (IPRO) Requirements		
Interprofessional Projects (IPRO)		
https://bulletinnext.iit.edu/undergraduate/undergraduate-education/core-curriculum/#core_b		6
Total Credit Hours		6
List Technical Elective Course Options		

Electives - choose 2 from the following courses		6
BUS 301	Organizational Behavior	3
BUS 311	Strategic Cost Management	3
BUS 341	Business Law	3
BUS 361	Topics in Entrepreneurship	3
BUS 452	International Finance	3
BUS 454	Investments	3
BUS 455	Corporate Finance	3
BUS 457	Financial Modeling	3
BUS 458	Financial Derivatives	3
BUS 472	New Product Development	3
BUS 476	Consumer Behavior	3
Total Credit Hours		6

List Free Elective Credit Hours (if applicable)	11

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

Year 1

Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 100	3	BUS 102	3
ECON 151	3	BUS 221	3
CS 105 or 110	2	ECON 152	3
Humanities Elective (200 Level)	3	Social Science Elective	3
MATH 148, 119, 151, or 192	4	Science Elective	4
	15		16

Year 2

Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 211	3	BUS 212	3
BUS 321	3	BUS 371	3
ECON 311	3	ECON 312	3
Humanities Elective (300+)	3	Humanities Elective (300+)	3
Science Elective	3	Science Elective	3
	15		15

Year 3

Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 473	3	BUS 305	3
ECON 251	3	BUS 475	3
ECON 383	3	ECON 382	3
Economics or Analytics Elective	3	Economics or Analytics Elective	3
Social Science Elective (300+)	3	IPRO Elective I	3
	15		15

Year 4

Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 484	3	BUS 480	3
ECON 423	3	Free Elective	3
Free Elective	3	Humanities or Social Science Elective	3
IPRO Elective II	3	Free Elective	3
Social Science Elective (300+)	3	Free Elective	2
	15		14

Total Credit Hours: 120

Report to Faculty Council

Reviewer Comments

Ayesha Qamer (aqamer) (08/25/25 11:56 am): Rollback: rollback requested by Sang-Baum Kang

Key: 622