

Program Change Request

Date Submitted: 02/09/26 5:05 pm

Viewing: BS-BUIT : Bachelor of Science in Business and Information Technology

Last approved: 05/07/24 2:39 pm

Last edit: 02/09/26 5:05 pm

Changes proposed by: skang21

Catalog Pages

Using this Program

[Bachelor of Science in Business and Information Technology*](#)

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. Board of Trustees
8. Academic Affairs

Approval Path

1. 02/10/26 9:10 am
M Krishna Erramilli (merramil):
Approved for SB Associate Dean
2. 02/10/26 11:13 am
Ayesha Qamer (aqamer): Approved for Academic Affairs
3. 02/10/26 2:44 pm
Joseph Gorzkowski (jgorzkow):
Approved for Undergraduate Academic Affairs
4. 02/10/26 4:20 pm
Rich Klein (rklein6):
Approved for SB Dean

Program Status	Active		
Requestor	Name	Sang-Baum Kang	E-mail
	skang21@stuart.iit.edu		
Origination Date	<u>2026-2-9</u> 2024-4-15		
Is this an interdisciplinary program?	No		
Is this stem-eligible?	<u>Yes</u>		
Available for direct application?	<u>Yes</u>		
Academic Unit	Business Administration		
College	Stuart School of Business		
Program Title	Bachelor of Science in Business and Information Technology		
Effective Academic Year	<u>2026</u> 2024 - <u>2027</u>	Effective Term	Summer 2026
	2025		
Academic Level	Undergraduate		

History

1. Jun 12, 2023 by Roland Calia (rcalia)
2. May 7, 2024 by Sang-Baum Kang

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

11.1006 - Computer Support Specialist.

Is there more than one Academic Unit proposer?

No

Program Code BS-BUIT

Program Attribute

Total Program 120

Credit Hours

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

[To convert this program from a incubator status to a permanent status.](#)

[BS in Business and Information program \(BS-BUIT\) has 16 students registered in Spring 2026.](#)

[As of Feb 6, 2026, we have received 109 applications \(first-year and transfer\) for Fall 2026 semester. For Fall 2025 semester, we have received 132 application. To remove two business electives.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 initiative by a governmental entity, provide details of that initiative.

See https://docs.google.com/document/d/1e5Mlgsk_Fh4CjgkSBxhUjW-KqFrzZa3QMAYNd8uDO0/edit This program is part of the undergraduate program incubator.

The Bachelor of Science in Business and Information Technology degree is a cross-disciplinary program that prepares graduates for careers at the intersection of business and technology. It provides them with critical thinking skills and technical expertise that prepares them to adapt to changing technological environments, successfully lead teams, and make key strategic management decisions.

The Business and Information Technology STEM curriculum includes a solid foundation in both business and information technology fundamentals. The curriculum explores business management strategies, accounting, data analytics, finance, optimization, entrepreneurship, operations, leadership, data modeling and applications and business computer applications. The program enables graduates to work successfully in technologically-oriented positions across organizations.

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 Science in Business and Information Technology was developed by the Stuart School of Business faculty in consultation with the faculty and leadership of the Department of Information Technology and Management in the College of Computing as well as industry experts and practitioners.

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.

A Bachelor of Science in Business and Information Technology degree can provide an excellent preparation for private sector job markets, particular in the technology sector. Students with degree have a relatively high mean salary of between \$93,000 to 100,000 according to the Bureau of Labor Statistics. The job outlook is good, with job growth projected to increase at a range of 9% annually for financial analyst to 36% for data scientists. See <https://www.bls.gov/ooh/business-and-financial/financial-analysts.htm> and <https://www.bls.gov/ooh/math/data-scientists.htm>.

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 Science in Business and Information Technology was developed and approved by the Stuart School of Business faculty in consultation with the faculty and leadership of the Department of Information Technology and Management in the College of Computing as well as industry experts and practitioners.

Admission Entry Details

What are the enrollment estimates?

Year 1	5	Year 2	10	Year 3	15
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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 primarily advised by the Stuart Undergraduate Program Director with the assistance of a designated advisor in the Department of Information Technology and Management.

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 will be 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 facilities will be required.

Proposed Catalog Entry

Admission

Requirements

The Bachelor of Science in Business and Information Technology degree is a cross-disciplinary program that prepares graduates for careers at the intersection of business and technology. It provides them with critical thinking skills and technical expertise that prepares them to adapt to changing technological environments, successfully lead teams, and make key strategic management decisions.

The Business and Information Technology STEM curriculum includes a solid foundation in both business and information technology fundamentals. The curriculum explores business management strategies, accounting, data analytics, finance, optimization, entrepreneurship, operations, leadership, data modeling and applications and business computer applications. The program enables graduates to work successfully in technologically-oriented positions across organizations.

Course Requirements

Business Requirements		(36)
<u>BUS 100</u>	Introduction to Business and Economics	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
<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
Information Technology Required Courses		(36)
<u>ITM 301</u>	Introduction to Contemporary Operating Systems and Hardware I	3
<u>ITM 313</u>	Introduction to Open Source Application Development	3
<u>ITMD 321</u>	Data Modeling and Applications	3

ITMD 361	Fundamentals of Web Development	3
ITMD 362	Human-Computer Interaction and Web Design	3
ITMD 413	Open Source Programming ¹	3
ITMO 340	Introduction to Data Networks and the Internet	3
ITMO 356	Introduction to Open Source Operating Systems	3
ITMM 471	Project Management for Information Technology and Management ²	3
ITMT 330	Introduction to Information Systems and the IT Profession	3
ITMT 430	System Integration	3
ITMS 448	Cyber Security Technologies	3
Mathematics Requirement		(7)
MATH 180	Fundamentals of Discrete Mathematics	3
MATH 148	Preparation for Calculus	4
or MATH 151	Calculus I	
or MATH 191	Business Calculus	
or MATH 192	Linear Mathematics	
Natural Science and Engineering Requirements		(10)
See Illinois Tech Core Curriculum, section D		10
Humanities and Social Science Requirements		(21)
See Illinois Tech Core Curriculum, section B and C		21
Interprofessional Projects (IPRO)		(6)
See Illinois Tech Core Curriculum, section E		6
Computer Science Requirement		(4)³
Free Electives		4
Total Credit Hours		120

¹
Prerequisite ITMD 411--conditional permission to enroll in ITMD 413

²
Prerequisite ITM 100

³
ITM 313 satisfies Computer Science Requirement

Sample
Curriculum/Program
Requirements

Semester 1	Credit Hours	Semester 2	Year 1 Credit Hours
BUS 100	3	ECON 152	3

ECON 151	3	ITMD 413 ¹	3
ITM 301	3	Humanities Elective (200 Level)	3
ITM 313	3	MATH 180	3
MATH 148	4	Science Elective	4
	16		16
			Year 2
Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 211	3	BUS 212	3
BUS 321	3	BUS 221	3
ITMT 330	3	ITMD 362	3
ITMD 361	3	Humanities Elective (300+)	3
Science Elective	3	Science Elective	3
	15		15
			Year 3
Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 301	3	BUS 305	3
BUS 371	3	BUS 351	3
ITMD 321	3	ITMM 471 ²	3
ITMO 356	3	ITMO 340 ³	3
Social Science Elective	3	I PRO Elective I	3
	15		15
			Year 4
Semester 1	Credit Hours	Semester 2	Credit Hours
ITMS 448	3	BUS 480	3
I PRO Elective II	3	ITMT 430	3
Social Science Elective (300+)	3	Humanities or Social Science Elective	3
Humanities Elective (300+)	3	Social Science Elective (300+)	3
Free Elective	4		
	16		12

Total Credit Hours: 120

¹ Prerequisite ITMD 411--conditional permission to enroll in ITMD 413

² Prerequisite ITM 100--conditional permission to enroll in ITMM 471

³ Prerequisite ITMT 330--conditional permission to enroll in ITMO 340

Specialization

Requirements

No

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 Learning Objective #1 - Communication Proficiency: Students will compose written documents to support effective managerial decision-making. Students will prepare and deliver oral presentations that are well-structured, technically competent and make good use of aids to support evidence-driven conclusions:

Stuart Common Learning Objective #2 - Technological Proficiency: Students will demonstrate technological proficiency appropriate for business professionals. Students will prepare documents in text-based media that are clear, accurate, and appropriate for the intended audience

Our graduates Students will be able to integrate knowledge from multiple disciplines inside develop well-reasoned arguments and outside business to address business problems and opportunities. conclusions:

Problem solve and create innovative answers to provide technology solutions for the problems of business, industry, government, non-profit organizations, and individuals. Graduates will possess the analytical skills to support business decision-making:

~~Problem solve and create innovative answers to provide technology solutions for the problems of business, industry, government, non-profit organizations, and individuals:~~

Upload your
assessment plan
here:

[Assessment Plan v2023 Stuart BS Business IT.xlsx](#)

[Assessment Plan v2025 Stuart BS Business and IT20260206 tentative.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

Business Requirements

BUS 100	Introduction to Business and Economics	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
BUS 371	Marketing Fundamentals	3
BUS 480	Strategic Management and Design Thinking	3
ECON 151	Microeconomics	3
ECON 152	Macroeconomics	3

Information Technology Requirements

ITM 301	Introduction to Contemporary Operating Systems and Hardware I	3
ITM 313	Introduction to Open Source Application Development	3
ITMD 321	Data Modeling and Applications	3
ITMD 361	Fundamentals of Web Development	3
ITMD 362	Human-Computer Interaction and Web Design	3
ITMD 413	Open Source Programming	3
ITMO 340	Introduction to Data Networks and the Internet	3
ITMO 356	Introduction to Open Source Operating Systems	3
ITMM 471	Project Management for Information Technology and Management	3

ITMT 330	Introduction to Information Systems and the IT Profession	3
ITMT 430	System Integration	3
ITMS 448	Cyber Security Technologies	3
Total Credit Hours		72
List Mathematics Requirements		
MATH 180	Fundamentals of Discrete Mathematics	3
MATH 148	Preparation for Calculus	4
or MATH 151	Calculus I	
or MATH 191	Business Calculus	
or MATH 192	Linear Mathematics	
Total Credit Hours		7
List Science Requirements		
Natural Science and Engineering Requirements		
See Illinois Tech Core Curriculum, section D		10
Total Credit Hours		10
List Computer Science Requirements		
Computer Science Requirement fulfilled by ITM 313		
Total Credit Hours		0
List Humanities and Social Sciences Requirements		
Humanities and Social Science Requirements		
See Illinois Tech Core Curriculum, section B and C		21
Total Credit Hours		21
List Interprofessional Project (IPRO) Requirements		
Interprofessional Projects (IPRO)		
See Illinois Tech Core Curriculum, section E		6
Total Credit Hours		6

List Technical Elective Course Options			
List Free Elective Credit Hours (if applicable)	4		
Semester-by-semester plan of study for the degree program			
			Year 1
Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 100	3	ECON 152	3
ECON 151	3	ITMD 413 ¹	3
ITM 301	3	Humanities Elective (200 Level)	3
ITM 313 ³	3	MATH 180	3
MATH 148	4	Science Elective	4
	16		16
			Year 2
Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 211	3	BUS 212	3
BUS 321	3	BUS 221	3
ITMT 330	3	ITMD 362	3
ITMD 361	3	Humanities Elective (300+)	3
Science Elective	3	Science Elective	3
	15		15
			Year 3
Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 301	3	BUS 305	3
BUS 371	3	BUS 351	3
ITMD 321	3	ITMM 471 ²	3
ITMO 356	3	ITMO 340	3
Social Science Elective	3	IPRO Elective I	3
	15		15
			Year 4
Semester 1	Credit Hours	Semester 2	Credit Hours
ITMS 448	3	BUS 480	3
IPRO Elective II	3	ITMT 430	3
Social Science Elective (300+)	3	Humanities or Social Science Elective	3
Humanities Elective (300+)	3	Social Science Elective (300+)	3
Free Elective	4		

16

12

Total Credit Hours: 120

Report to Faculty
Council

Reviewer
Comments

Key: 614