

Program Change Request

Date Submitted: 03/16/25 3:37 pm

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

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

Last edit: 03/16/25 3:37 pm

Changes proposed by: skang21

Catalog Pages

Using this Program

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

| | | | |
|---------------------------------------|--|-----------------------------|--------|
| Program Status | Active | | |
| Requestor | Name | Sang-Baum Kang | E-mail |
| | skang21@stuart.iit.edu | | |
| Origination Date | <u>2025-3-16</u> 2024-4-15 | | |
| Is this an interdisciplinary program? | No | | |
| Academic Unit | Business Administration | | |
| College | Stuart School of Business | | |
| Program Title | Bachelor of Science in Business and Information Technology | | |
| Effective Academic Year | <u>2025</u> 2024 - <u>2026</u> 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. Academic Affairs

Approval Path

1. 03/16/25 3:54 pm
M Krishna Erramilli (krish): Approved for SB Associate Dean
2. 03/17/25 10:37 am
Ayesha Qamer (aqamer): Approved for Academic Affairs
3. 03/17/25 10:41 am
Joseph Gorzkowski (jgorzkow): Approved for Undergraduate Academic Affairs
4. 03/17/25 1:02 pm
Rich Klein (rklein6): Approved for SB Dean

History

1. Jun 12, 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? BUS 100 to 499 - Course BUS 100 to 499 not Found
ECON 100 to 499 - Course ECON 100 to 499 not Found
ITM 100 to 499 - Course ITM 100 to 499 not Found
ITMD 100 to 499 - Course ITMD 100 to 499 not Found
ITMM 100 to 499 - Course ITMM 100 to 499 not Found
ITMO 100 to 499 - Course ITMO 100 to 499 not Found
ITMS 100 to 499 - Course ITMS 100 to 499 not Found
ITMT 100 to 499 - Course ITMT 100 to 499 not Found

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.

The change aims to standardize the business part of three Tech+ programs: BS in Business and Cybersecurity, BS in Business and Information Technology, and BS in Business and Engineering. Standardizing the Tech+ programs will give students more flexibility in choosing business and economics courses (economics, finance, marketing, and business administration paths) depending on their career goals and academic interests. Additionally, students can switch between the programs. There is no proposed change in the Information Technology part of the curriculum. ~~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.

This program is part of the undergraduate program incubator. [See the following.](https://catalog.iit.edu/undergraduate/undergraduate-education/special-programs/#Incubator)
<https://catalog.iit.edu/undergraduate/undergraduate-education/special-programs/#Incubator>
~~See https://docs.google.com/document/d/1e5Mlgsk_Fh4CJgkSBxhUjW-KqFrzZa3QMAYNd8uDO0/edit~~

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 ~~\$99,890~~ ~~\$93,000~~ to ~~\$108,020~~ ~~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 |
|--------|---|--------|----|--------|----|

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.

[Illinois Tech undergraduate admission requirements can be found at http://bulletin.iit.edu/undergraduate/undergraduate-admission/.](http://bulletin.iit.edu/undergraduate/undergraduate-admission/)

Course Requirements

| Business Core Required Courses | | (21) |
|--------------------------------|---|--------------|
| <u>BUS 100</u> | Introduction to Business and Economics | 3 |
| BUS 211 | Financial Accounting | 3 |
| BUS 212 | Managerial Accounting | 3 |
| <u>ECON 211</u> | <u>Introduction to Economics^a</u> | <u>3</u> |
| <u>or ECON 151</u> | <u>Microeconomics</u> | |
| <u>BUS 210</u> | <u>Introduction to Accounting^b</u> | <u>3</u> |
| <u>or BUS 211</u> | <u>Financial Accounting</u> | |
| <u>BUS 221</u> | Business Statistics | 3 |
| BUS 301 | Organizational Behavior | 3 |
| BUS 305 | 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>or ECON 423</u> | Economics of Capital Investments | |
| BUS 371 | Marketing Fundamentals | 3 |
| <u>BUS 480</u> | Strategic Management and Design Thinking | 3 |

| | | |
|--|---|--------------------|
| ECON 151 | Microeconomics | 3 |
| ECON 152 | Macroeconomics | 3 |
| <u>Economics/Business Electives</u> | | <u>(15)</u> |
| <u>Choose fifteen credit hours from: BUS 102 (Business Analytics), BUS 212 (Managerial Accounting), BUS 301 (Organizational Behavior), BUS 305 (Operations and Supply Chain Analytics), BUS 311 (Strategic Cost Management), BUS 341 (Business Law), BUS 371 (Marketing Fundamentals), ECON 152 (Macroeconomics), ECON 251 (Introduction of Econometrics), ECON 311 (Intermediate Microeconomics), ECON 312 (Intermediate Macroeconomics), ECON 382 (Business Economics) plus 400-level BUS or ECON courses for which they are qualified. ^c</u> | | <u>15</u> |
| 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 |
| <u>ITMD 361</u> | Fundamentals of Web Development | 3 |
| <u>ITMD 362</u> | Human-Computer Interaction and Web Design | 3 |
| <u>ITMD 413</u> | Open Source Programming ¹ | 3 |
| <u>ITMO 340</u> | Introduction to Data Networks and the Internet | 3 |
| <u>ITMO 356</u> | Introduction to Open Source Operating Systems | 3 |
| <u>ITMM 471</u> | Project Management for Information Technology and Management ² | 3 |
| <u>ITMT 330</u> | Introduction to Information Systems and the IT Profession | 3 |
| <u>ITMT 430</u> | System Integration | 3 |
| <u>ITMS 448</u> | Cyber Security Technologies | 3 |
| Mathematics Requirement | | (7) |
| <u>MATH 180</u> | Fundamentals of Discrete Mathematics | 3 |
| <u>MATH 148</u> | Preparation for Calculus | 4 |
| or <u>MATH 151</u> | Calculus I | |
| or <u>MATH 191</u> | Business Calculus | |
| or <u>MATH 192</u> | Finite Mathematics | |
| 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 |
| Interprofessional Projects (IPRO) | | (6) |
| <u>See Illinois Tech Core Curriculum, section E</u> | | 6 |

| | |
|------------------------------|----------|
| Computer Science Requirement | (4) 3 |
| Free Electives | 4 |
| Total Credit Hours | 120 |

a

Students pursuing the economic path should choose ECON 151 (Microeconomics) and take ECON 152 (Macroeconomics) later.

b

Students pursuing business paths are highly recommended to choose BUS 211 (Financial Accounting) and take BUS 212 (Managerial Accounting) later.

c

Possible combinations include the following:

Economics Path:

ECON 152 (Macroeconomics);

ECON 251 (Introduction to Econometrics);

ECON 311 (Intermediate Microeconomics);

ECON 312 (Intermediate Macroeconomics); and

ECON 382 (Business Economics).

Finance Path:

BUS 212 (Managerial Accounting);

BUS 452 (International Finance);

BUS 454 (Investments);

BUS 455 (Corporate Finance); and

BUS 458 (Financial Derivatives).

Marketing Analytics Path: One way to pursue this path is

BUS 212 (Managerial Accounting);

BUS 472 (New Product Development);

BUS 473 (Marketing Analytics);

BUS 475 (Sales Management and Analytics); and

BUS 476 (Consumer Behavior).

Here, BUS 472, BUS 473, BUS 475, and BUS 476 require BUS 371 as a prerequisite, and a student may use BUS 371 as a social science requirement.

Alternatively, students may take

BUS 371 (Marketing Fundamentals);

BUS 472 (New Product Development);

BUS 473 (Marketing Analytics);

BUS 475 (Sales Management and Analytics); and

BUS 476 (Consumer Behavior)

to pursue the marketing analytics path.

Business Administration Path:

BUS 212 (Managerial Accounting);

BUS 301 (Organizational Behavior);

BUS 305 (Operation and Supply Chain Analytics);

BUS 341 (Business Law); and

BUS 371 (Marketing Fundamentals).

The above "paths" are for example purposes only.

Students could choose courses that satisfy the Illinois Tech Core Curriculum requirements to gain more exposure to these areas. For example, BUS 371 and the economics courses are classified as social science requirements.

Students could use these courses to satisfy the social science requirements.

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

| | | Year 1 | |
|------------------------------------|--------------|--|--------------|
| Semester 1 | Credit Hours | Semester 2 | Credit Hours |
| <u>BUS 100</u> | 3 | ECON 152 | 3 |
| ECON 151 | 3 | <u>BUS 221</u> | <u>3</u> |
| <u>ECON 211 or 151^a</u> | <u>3</u> | <u>Economics/Business Elective^b</u> | <u>3</u> |
| <u>ITM 301</u> | 3 | <u>ITMD 413¹</u> | 3 |
| <u>ITM 313</u> | 3 | <u>MATH 180</u> | 3 |
| <u>MATH 148</u> | 4 | Science Elective | 4 |
| | | Humanities Elective (200 Level) | 3 |
| | 16 | | 15 |
| | | Year 2 | |
| Semester 1 | Credit Hours | Semester 2 | Credit Hours |
| BUS 211 | 3 | BUS 212 | 3 |
| <u>BUS 321</u> | 3 | BUS 221 | 3 |
| <u>BUS 210 or 211^c</u> | <u>3</u> | <u>BUS 351 or ECON 423</u> | <u>3</u> |
| <u>ITMT 330</u> | 3 | <u>Economics/Business Elective^d</u> | <u>3</u> |
| <u>ITMD 361</u> | 3 | <u>ITMD 362</u> | 3 |
| Science Elective | 4 | Humanities Elective (300+) | 3 |
| | | Science Elective | 3 |
| | 16 | | 15 |
| | | Year 3 | |
| Semester 1 | Credit Hours | Semester 2 | Credit Hours |
| BUS 301 | 3 | BUS 305 | 3 |
| BUS 371 | 3 | BUS 351 | 3 |
| <u>Economics/Business Elective</u> | <u>3</u> | <u>Economics/Business Elective</u> | <u>3</u> |
| <u>ITMD 321</u> | 3 | <u>ITMM 471²</u> | 3 |
| <u>ITMO 356</u> | 3 | <u>ITMO 340³</u> | 3 |
| Social Science Elective | 3 | IPRO Elective I | 3 |
| <u>Humanities Elective (300+)</u> | <u>3</u> | <u>Science Elective</u> | <u>3</u> |
| | 15 | | 15 |
| | | Year 4 | |
| Semester 1 | Credit Hours | Semester 2 | Credit Hours |

| | | | |
|--------------------------------|----|---------------------------------------|----|
| Economics/Business Elective | 3 | BUS 480 | 3 |
| ITMS 448 | 3 | ITMT 430 | 3 |
| I PRO Elective II | 3 | Humanities or Social Science Elective | 3 |
| Social Science Elective (300+) | 3 | Social Science Elective (300+) | 3 |
| Free Elective | 4 | | |
| | 16 | | 12 |

Total Credit Hours: 120

a

Students pursuing the economic path should choose ECON 151 (Microeconomics) and take ECON 152 (Macroeconomics) later.

b

If a student chooses an economics path, this is a good place to take ECON 152. Alternatively, the student may take a core curriculum course here and then take an Econ/Business elective later.

c

Students pursuing business paths are highly recommended to choose BUS 211 (Financial Accounting) and take BUS 212 (Managerial Accounting) later.

d

If a student chooses one of the business paths, this is a good place to take BUS 212.

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.

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.

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 IT.xlsx

Undergraduate Program Requirements

| | |
|---|--|
| What courses will factor the major GPA? | <u>BUS 100 to 499</u> - <u>Course BUS 100 to 499 not Found</u> |
| | <u>ECON 100 to 499</u> - <u>Course ECON 100 to 499 not Found</u> |
| | <u>ITM 100 to 499</u> - <u>Course ITM 100 to 499 not Found</u> |
| | <u>ITMD 100 to 499</u> - <u>Course ITMD 100 to 499 not Found</u> |
| | <u>ITMM 100 to 499</u> - <u>Course ITMM 100 to 499 not Found</u> |
| | <u>ITMO 100 to 499</u> - <u>Course ITMO 100 to 499 not Found</u> |
| | <u>ITMS 100 to 499</u> - <u>Course ITMS 100 to 499 not Found</u> |
| | <u>ITMT 100 to 499</u> - <u>Course ITMT 100 to 499 not Found</u> |

Undergraduate Degree Requirements

| | |
|-----------------------------|-----|
| Minimum credit hours | 120 |
| Specialization required? | No |
| Minor required? | No |

Proposed General Curriculum

List Major Course
Requirements

| <u>Business Core Required Courses</u> | | <u>(21)</u> |
|---------------------------------------|---|-------------|
| <u>BUS 100</u> | <u>Introduction to Business and Economics</u> | <u>3</u> |
| <u>ECON 211</u> | <u>Introduction to Economics ^a</u> | <u>3</u> |

| | | |
|---|---|--------------------|
| <u>or ECON 151</u> | <u>Microeconomics</u> | |
| <u>BUS 210</u> | <u>Introduction to Accounting^b</u> | <u>3</u> |
| <u>or BUS 211</u> | <u>Financial Accounting</u> | |
| <u>BUS 221</u> | <u>Business Statistics</u> | <u>3</u> |
| <u>BUS 321</u> | <u>Analytics for Optimization</u> | <u>3</u> |
| <u>BUS 351</u> | <u>Financial Decision Making and Capital Budgeting</u> | <u>3</u> |
| <u>or ECON 423</u> | <u>Economics of Capital Investments</u> | |
| <u>BUS 480</u> | <u>Strategic Management and Design Thinking</u> | <u>3</u> |
| <u>Economics/Business Electives</u> | | <u>(15)</u> |
| <u>Choose fifteen credit hours from: BUS 102 (Business Analytics), BUS 212 (Managerial Accounting), BUS 301 (Organizational Behavior), BUS 305 (Operations and Supply Chain Analytics), BUS 311 (Strategic Cost Management), BUS 341 (Business Law), BUS 371 (Marketing Fundamentals), ECON 152 (Macroeconomics), ECON 251 (Introduction of Econometrics), ECON 311 (Intermediate Microeconomics), ECON 312 (Intermediate Macroeconomics), ECON 382 (Business Economics) plus 400-level BUS or ECON courses for which they are qualified.^c</u> | | <u>15</u> |
| <u>Information Technology Required Courses</u> | | <u>(36)</u> |
| <u>ITM 301</u> | <u>Introduction to Contemporary Operating Systems and Hardware I</u> | <u>3</u> |
| <u>ITM 313</u> | <u>Introduction to Open Source Application Development</u> | <u>3</u> |
| <u>ITMD 321</u> | <u>Data Modeling and Applications</u> | <u>3</u> |
| <u>ITMD 361</u> | <u>Fundamentals of Web Development</u> | <u>3</u> |
| <u>ITMD 362</u> | <u>Human-Computer Interaction and Web Design</u> | <u>3</u> |
| <u>ITMD 413</u> | <u>Open Source Programming¹</u> | <u>3</u> |
| <u>ITMO 340</u> | <u>Introduction to Data Networks and the Internet</u> | <u>3</u> |
| <u>ITMO 356</u> | <u>Introduction to Open Source Operating Systems</u> | <u>3</u> |
| <u>ITMM 471</u> | <u>Project Management for Information Technology and Management²</u> | <u>3</u> |
| <u>ITMT 330</u> | <u>Introduction to Information Systems and the IT Profession</u> | <u>3</u> |
| <u>ITMT 430</u> | <u>System Integration</u> | <u>3</u> |
| <u>ITMS 448</u> | <u>Cyber Security Technologies</u> | <u>3</u> |
| Total Credit Hours | | 72 |

a
Students pursuing the economic path should choose ECON 151 (Microeconomics) and take ECON 152 (Macroeconomics) later.

b
Students pursuing business paths are highly recommended to choose BUS 211 (Financial Accounting) and take BUS 212 (Managerial Accounting) later.

c
Possible combinations include the following:

Economics Path:ECON 152 (Macroeconomics);ECON 251 (Introduction to Econometrics);ECON 311 (Intermediate Microeconomics);ECON 312 (Intermediate Macroeconomics); andECON 382 (Business Economics).Finance Path:BUS 212 (Managerial Accounting);BUS 452 (International Finance);BUS 454 (Investments);BUS 455 (Corporate Finance); andBUS 458 (Financial Derivatives).Marketing Analytics Path: One way to pursue this path isBUS 212 (Managerial Accounting);BUS 472 (New Product Development);BUS 473 (Marketing Analytics);BUS 475 (Sales Management and Analytics); andBUS 476 (Consumer Behavior).Here, BUS 472, BUS 473, BUS 475, and BUS 476 require BUS 371 as a prerequisite, and a student may use BUS 371 as a social science requirement.Alternatively, students may takeBUS 371 (Marketing Fundamentals);BUS 472 (New Product Development);BUS 473 (Marketing Analytics);BUS 475 (Sales Management and Analytics); andBUS 476 (Consumer Behavior)to pursue the marketing analytics path.Business Administration Path:BUS 212 (Managerial Accounting);BUS 301 (Organizational Behavior);BUS 305 (Operation and Supply Chain Analytics);BUS 341 (Business Law); andBUS 371 (Marketing Fundamentals).The above "paths" are for example purposes only.Students could choose courses that satisfy the Illinois Tech Core Curriculum requirements to gain more exposure to these areas. For example, BUS 371 and the economics courses are classified as social science requirements.Students could use these courses to satisfy the social science requirements.¹ Prerequisite ITMD 411--conditional permission to enroll in ITMD 413² Prerequisite ITM 100³ ITM 313 satisfies Computer Science Requirement**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 | | 0 |
| List Mathematics Requirements | | |
| = | | |
| <u>Mathematics Requirement</u> | | <u>(7)</u> |
| <u>MATH 180</u> | <u>Fundamentals of Discrete Mathematics</u> | <u>3</u> |
| <u>MATH 148</u> | <u>Preparation for Calculus</u> | <u>4</u> |
| <u>or MATH 151</u> | <u>Calculus I</u> | |
| <u>or MATH 191</u> | <u>Business Calculus</u> | |
| <u>or MATH 192</u> | <u>Finite Mathematics</u> | |
| Total Credit Hours | | 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 | Finite Mathematics | |
| Total Credit Hours | | 0 |
| 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 | | |
| None | | |
| 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 | 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 | | | |

Report to Faculty
Council

Reviewer
Comments

Key: 614