

BACHELOR OF INFORMATION TECHNOLOGY AND MANAGEMENT/BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

This program provides an integrated dual degree program leading to the Bachelor of Information Technology and Management (ITM) and the Bachelor of Science in Business Administration while maintaining the integrity and program content of each individual degree program.

The Bachelor of Science in Business Administration provides a solid foundation in business fundamentals along with a basic grounding in science. Core business competencies include accounting, economics, statistics, finance, business law, marketing, management, entrepreneurship, and leadership. Students also take a specialization that allows them to develop a depth of knowledge in a business field or another field of their choosing; in this program, the specialization is in Information Technology and Management.

Required Courses

| Code | Title | Credit Hours | Code | Title | Credit Hours |
|------------------------------------------------------------------------------|--------------------------------|--------------|-----------------------------------------------------------|----------------------------------|--------------|
| Information Technology & Management Requirements | | (39) | Interprofessional Projects (IPRO) | | (6) |
| ITM 100 | Intro to IT as a Profession | 3 | See Illinois Tech Core Curriculum, section E | | |
| ITM 301 | Intro OS and Hardware I | 3 | Business Requirements | | (51) |
| ITM 311 | Intro to Software Development | 3 | BUS 100 | Introduction to Business | 3 |
| ITM 313 | Intro to Open Source App Dev | 3 | BUS 102 | Computing Tools Bus Analysis | 3 |
| or ITM 312 | Intro Systems Sftwr Prgmng | 3 | BUS 211 | Financial Accounting | 3 |
| ITMD 321 | Data Modeling and Applications | 3 | BUS 212 | Managerial Accounting | 3 |
| ITMD 361 | Fund of Web Development | 3 | BUS 221 | Business Statistics ² | 3 |
| ITMD 362 | Human-Computer Interaction | 3 | BUS 301 | Organizational Behavior | 3 |
| ITMD 411 | Intermediate Software Devlpmnt | 3 | BUS 305 | Operation and Supply Chain Des | 3 |
| ITMM 471 | Project Management for ITM | 3 | BUS 311 | Strategic Cost Management | 3 |
| ITMO 340 | Intro Data Networks & Internet | 3 | BUS 321 | Optimization and Decision-Maki | 3 |
| ITMO 356 | Intro Open Source OS | 3 | BUS 341 | Business Law | 3 |
| ITMS 448 | Cyber Security Technologies | 3 | BUS 351 | Financial Decision-Making | 3 |
| ITMT 430 | System Integration | 3 | BUS 361 | Entrepreneurship I | 3 |
| ITM Electives (Specialization)¹ | | (6) | BUS 371 | Marketing Fundamentals | 3 |
| Select 6 credit hours from INTM, ITM, ITMD, ITMM, ITMO, ITMS, ITMT, and TECH | | 6 | BUS 467 | Entrepreneurship II | 3 |
| Natural Science and Engineering Requirements | | (10) | BUS 480 | Strategic Management and Desig | 3 |
| EG 225 is recommended | | | ECON 151 | Microeconomics | 3 |
| See Illinois Tech Core Curriculum, section D | | 10 | ECON 152 | Global Economics | 3 |
| Humanities and Social Sciences Requirements | | (21) | Business Electives | | (3) |
| See Illinois Tech Core Curriculum, sections B and C | | 21 | BUS 472 | New Product Development | 3 |
| Mathematics Requirements | | (6) | Business Specialization Courses³ | | (0) |
| MATH 122 | Introduction to Calculus | 3 | ITM 301, ITM 311, ITM 321, ITM 361, ITMO 340 ³ | | |
| MATH 180 | Fundamentals of Discrete Math | 3 | Total Credit Hours | | 142 |
| or MATH 230 | Introduction to Discrete Math | 3 | | | |

¹ 12 credit hours of Business courses apply as Information Technology and Management electives to the IT Entrepreneurship and Management Specialization with the following course substitutions: BUS 212 is substituted for ITMM 479; BUS 467 is substituted for ITMM 481; BUS 472, taken as a Business Elective, is substituted for ITMM 482; and any other BUS course is applied as the fourth course. The 12 credit hours are applied to both degrees.

² BUS 221 fulfills the Bachelor of Information Technology and Management statistics requirement.

³ 15 credit hours of Information Technology and Management courses apply as Business Specialization Courses with the 15 credit hours applied to both degrees.

Bachelor of Information Technology and Management/ Bachelor of Science in Business Administration

| Semester 1 | Credit Hours | Semester 2 | Year 1 Credit Hours |
|-----------------------------------------|--------------|-------------------------------|------------------------|
| ITM 301 | 3 | ITM 311 | 3 |
| ITM 313 or 312 | 3 | ITMO 340 | 3 |
| BUS 100 | 3 | BUS 102 | 3 |
| ECON 151 | 3 | ECON 152 | 3 |
| Natural Science or Engineering Elective | 4 | MATH 122 | 3 |
| | | Humanities 200-level Elective | 3 |
| | 16 | | 18 |

| Semester 1 | Credit Hours | Semester 2 | Year 2 Credit Hours |
|-----------------------------------------|--------------|-----------------------------------------|------------------------|
| ITM 100 | 3 | ITMD 361 | 3 |
| ITMD 411 | 3 | BUS 221 | 3 |
| BUS 211 | 3 | BUS 212 | 3 |
| BUS 301 | 3 | BUS 361 | 3 |
| Humanities Elective (300+) | 3 | MATH 180 or 230 | 3 |
| Natural Science or Engineering Elective | 3 | Natural Science or Engineering Elective | 3 |
| | 18 | | 18 |

| Semester 1 | Credit Hours | Semester 2 | Year 3 Credit Hours |
|--------------------------|--------------|----------------------------|------------------------|
| ITMD 362 | 3 | ITMO 356 | 3 |
| ITMM 471 | 3 | BUS 305 | 3 |
| BUS 311 | 3 | BUS 351 | 3 |
| BUS 321 | 3 | BUS 371 | 3 |
| BUS 341 | 3 | Humanities Elective (300+) | 3 |
| Social Sciences Elective | 3 | I PRO Elective I | 3 |
| | 18 | | 18 |

| Semester 1 | Credit Hours | Semester 2 | Year 4 Credit Hours |
|---------------------------------|--------------|----------------------------------------|------------------------|
| ITMD 321 | 3 | ITMT 430 | 3 |
| ITMS 448 | 3 | ITM Elective | 3 |
| ITM Elective | 3 | BUS 472 | 3 |
| BUS 467 | 3 | BUS 480 | 3 |
| Social Sciences Elective (300+) | 3 | Social Sciences Elective (300+) | 3 |
| I PRO Elective II | 3 | Humanities or Social Sciences Elective | 3 |
| | 18 | | 18 |

Total Credit Hours: 142