

Memorandum

Date: 11.17.2021

To: Undergraduate Studies Committee

From: Department of Information Technology and Management

**Subj: PROPOSED DUAL-DEGREE PROGRAM: BACHELOR OF INFORMATION TECHNOLOGY AND MANAGEMENT /
BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION**

Attached is a proposal for 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.

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 required BUS course is applied as the fourth course. The 12 credit hours are applied to both degrees.

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

15 credit hours of Information Technology and Management courses apply as Business Specialization Courses with the 15 credit hours applied to both degrees. This already represents a strong point of commonality between the two degrees.

Because the Bachelor of Information Technology and Management does not require calculus but does have a mathematics requirement of MATH 180 or MATH 230, the Bachelor of Science in Business Administration mathematics requirement has been changed to MATH 122 Introduction to Calculus. The specification of six hours of mathematics has allowed the Natural Science and Engineering requirement to be adjusted to ten hours. This represents a minor change to the Bachelor of Science in Business Administration.

This proposal has been approved by the Curriculum Committee and the Faculty of the Department of Information Technology and Management and the Stuart School of Business.



Ray Trygstad

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 Courses ³		(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		
or MATH 230	Introduction to Discrete Math	3	142		

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