

K-STATE BUSINESS

CURRICULUM CHECKLIST

MANAGEMENT INFORMATION SYSTEMS DATA ANALYTICS TRACK – BACHELOR OF SCIENCE

STUDENT NAME: _____

General Education / Program Requirements			
English & Communication General Education Courses:			
B1	ENGL 100	Expository Writing 1	3
B1	ENGL 200	Expository Writing 2	3
B2	COMM 106	Public Speaking	3
Non-Business Quantitative Program Requisite Courses:			
	MATH 100	College Algebra	3
B3	MATH 205	General Calculus and Linear Algebra	3
	STAT 250	Business Economics Statistics I	3
B5	ECON 110	Principles of Macroeconomics	3
	ECON 120	Principles of Microeconomics	3
General Education Courses:			
B4	Natural and Physical Science (with Lab)		4
B5	Social & Behavioral		3
B6	Arts & Humanities		3
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Program Requirements:			
	GENBA 105	Business Orientation	1
	GENBA 205	Career Accelerator	1
	ENTRP 340	Business Innovation and the Entrepreneurial Mindset	3
B7	ACCTG 231	Managerial Accounting (pre-req or co-req: Math 100)	3
B7	ACCTG 241	Financial Accounting (pre-req: ACCTG 231)	3
	FINAN 450	Principles of Finance (pre-req: ACCTG 231; co-req: ECON 110 or 120 & STAT 250)	3
	MKTG 250	Introduction to Marketing	3
	MANGT 220	Principles of Management	3
	MANGT 366	Introduction to Business Analytics and Information Systems	3
	MANGT 421	Introduction to Operations and Supply Chain Management	3
	MANGT 595	Strategic Management (pre-req: CBA Majors ONLY, 75 credit hours completed, FINAN 450, MANGT 220, MKTG 250)	3
	MANGT 596	Business Ethics Corporate Citizenship (pre-req: CBA Majors ONLY, 75 credit hours completed MANGT 220, MKTG 250; co-req: FINAN 450)	3

For class descriptions and prerequisites, visit: catalog.k-state.edu
Approved curriculum for **Fall 2025**. Requirements and course options are subject to change. Please check the College of Business website for the most up-to-date information on the program requirements.

Graduation Checklist

- ___ Minimum 120 credits hours
- ___ 60 of 120 hrs @ 4-year University
- ___ 30 of 120 hrs @ K-State
- ___ 15 of last 30 hrs @ K-State
- ___ Under 100-level courses do not apply
- ___ Deduct repeat courses in current semester

CONTACT US:

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@KStateBusiness

For information on prior learning and transfer credit equivalency, see the K-State Admissions website for details.

Management Information Systems DA Track Courses:			15 hrs
Track Field Requirements:			
MIS 422	Business Database Systems (pre-req: Mangt 366 or MIS 366, or equivalent)		3
MIS 665	Business Analytics & Data Mining (pre-req: Mangt 366 or MIS 366)		3
MIS 667	Applications of Data Models in Business (pre-req: Mangt 366 or MIS 366 or equivalent introductory computing course, or permission of instructor.)		3
MIS 670	Social Media Analytics and Web Mining Credits. (pre-req: Mangt 366 or MIS 366)		3
MKTG 480	Marketing Analytics Fundamentals (pre-req: STAT 250)		3
Computational Electives			3 hrs
MIS 411	Business Programming Applications I (pre-req: Mangt 366/ MIS 366 or concurrently)		3
MIS 555	Business Programming Applications II (pre-req: MIS 411)		3
MIS 566	Systems Analysis & Design		3
CIS 111	Introduction to Computer Programming		3
CIS 200	Programming Fundamentals (pre-req: Math 100 and either CIS 115)		4
CC 110 or CC 111	Introduction to Computing Elements of Computer Programming		2 1
Digital Technology & Analytics Electives:			6 hrs
MIS 433	ERP Project Planning & Implementation (pre-req: MIS 411 and MIS 422)		3
MIS 444	Digital Business Networks (pre-req: MIS 411 or MIS 422)		3
MIS 677	Senior MIS Project (pre-req: MIS 555 and MIS 566)		3
ENTRP 466	Digital Business		3
MANGT 521	Managerial Decision Analytics (pre-req: Mangt 420, Math 205, Stat 250)		3
MANGT 523	Human Resources Analytic (pre-req: Mangt 366 or MIS 366)		3
MANGT 525	Organizational Management and Data Analytics (pre-req: Mangt 366 or MIS 366)		3
MANGT 663	Supply Chain Analytics (pre-req: Mangt 421)		3
MKTG 551	Data Narratives & Visualization (pre-req: Mktg 250)		3
MKTG 650	Digital Mktg Analysis & Strategy (pre-req: Mktg 250)		3
MKTG 653	Applications of MKTG Analytics (pre-req: MKTG 250)		3
MKTG 654	Marketing Research (pre-req: MANGT 366 or MIS 366)		3
FINAN 623	Financial Modeling (pre-req: FINAN 510 and 520 or 830)		3
CIS 531	Intro to Programming Techniques for Data Science & Analytics (pre-req: Instructor Consent)		3
IMSE 785	Big Data Analytics (pre-req: Instructor consent)		3
STAT 705	Regression & Analysis of Variance (pre-req: One prior statistics course)		3
Required Elective: Choose One (3hrs)			
ACCTG 445	Financial Statement Analysis		3
ENGL 417	Written Communications for Work		3
FINAN 451	Intro Integrated Inv Management		3
GENBA 145	Business & Society		3
MANGT 230	Business Law I		3
SALES 300	Fundamentals of Professional Selling		3
Unrestricted Electives: 15-24 hrs			
(any course offered by the University 100 level or above)			

K-STATE BUSINESS

CURRICULUM CHECKLIST

120 TOTAL CREDIT HOURS

SEMESTER 1		
MANGT 220	Principles of Management	3
MATH 100	College Algebra	3
ECON 110	Principles of Macroeconomics	3
ENGL 100	Expository Writing 1	3
Gen. Ed.	Arts & Humanities	3
GENBA 105	Business Orientation	1
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SEMESTER 2		
MKTG 250	Introduction to Marketing	3
MATH 205	General Calculus & Linear Algebra	3
ECON 120	Principles of Microeconomics	3
COMM 106	Public Speaking	3
Gen. Ed.	Natural & Physical Science (with Lab)	4
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SEMESTER 3		
ENTRP 340	Business Innovation & the Entrepreneurial Mindset	3
ACCTG 231	Managerial Accounting	3
STAT 250	Business Economics Statistics I	3
ENGL 200	Expository Writing 2	3
Gen. Ed.	Arts & Humanities	3
GENBA 205	Career Accelerator	1
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SEMESTER 4		
MANGT 366	Introduction to Business Analytics and Information Systems	3
ACCTG 241	Financial Accounting	3
MANGT 421	Introduction to Operations & Supply Chain Management	3
Gen. Ed.	Social & Behavioral	3
U. ELECTIVE	Unrestricted Elective	3
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SEMESTER 5		
C. Elective	Computational Elective	3
MIS 422	Business Database Systems	3
MKTG 480	Marketing Analytics Fundamentals	3
U. ELECTIVE	Unrestricted Elective	3
U. ELECTIVE	Unrestricted Elective	3
		15

SEMESTER 6		
DT. Elective	Digital Tech & Analytics Elective	3
DT. Elective	Digital Tech & Analytics Elective	3
MIS 665	Bus Analytics/Data Mining	3
R. ELECTIVE	Restricted Elective	3
U. ELECTIVE	Unrestricted Elective	3
		15

SEMESTER 7		
MIS 667	Applications of Data Models in Business	3
FINAN 450	Principles of Finance	3
MANGT 596	Business Ethics & Corporate Citizenship	3
U. ELECTIVE	Unrestricted Elective	3
U. ELECTIVE	Unrestricted Elective	3
		15

SEMESTER 8		
MIS 670	Social Media Analytics & Web Mining Credits.	3
MANGT 595	Strategic Management	3
U. ELECTIVE	Unrestricted Elective	3
U. ELECTIVE	Unrestricted Elective	3
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