

Complete Study Plan for MIS & Business Intelligence Department

- **Faculty Code:** 01 (Faculty of Business Intelligence)
- **Department & Major Code:** 13 (Department of Management Information Systems & Business Intelligence)
- **Total Graduation Credits:** 120 Credit Hours (40 Courses)
- **Credit Distribution:** 27 Cr. Faculty Requirements + 63 Cr. Major Compulsory Requirements + 30 Cr. Major Electives (Student selects 10 courses out of 12 offered courses totaling 36 Cr.).

1. Unified Faculty Requirements (27 Credit Hours / 9 Compulsory Courses)

Course Code	Course Name	Responsible Department	Credit Hours
0111101	Principles of Smart Management & Business	Business Administration (11)	3
0112101	Principles of Micro & Macro Digital Economics	Banking & Digital Economics (12)	3
0113101	Fundamentals of Business Intelligence & MIS	MIS & Business Intelligence (13)	3
0114101	Principles of Digital Marketing & Consumer Behavior	Digital Marketing & Analytics (14)	3
0115101	Leadership & Corporate Communication Skills	Human Resource Management (15)	3
0117101	Principles of Accounting & Financial Analysis	Forensic Accounting & Auditing (17)	3
0119101	Applied Statistics & Decision Modeling	FinTech & Risk Management (19)	3

Course Code	Course Name	Responsible Department	Credit Hours
0120101	Innovation & Design Thinking in Business	Innovation & Entrepreneurship (20)	3
0111102	Business Ethics & Digital Regulations	Business Administration (11)	3

2. Major Compulsory Requirements (63 Credit Hours / 21 Courses)

Course Code	Course Name	Offering Department	Credit Hours
0113201	Relational Database Design & Management (SQL)	MIS & Business Intelligence (13)	3
0113202	Enterprise Systems Analysis & Design (UML)	MIS & Business Intelligence (13)	3
0113203	Data Warehousing & OLAP Systems	MIS & Business Intelligence (13)	3
0113204	Data Mining & Knowledge Discovery	MIS & Business Intelligence (13)	3
0113205	Scientific Research Methods in Business Technology	MIS & Business Intelligence (13)	3
0111202	Strategic Management & Competitive Planning	Business Administration (11)	3
0111301	IT Project Management (Agile/PMP)	Business Administration (11)	3

Course Code	Course Name	Offering Department	Credit Hours
0114201	Web & Digital Platform Analytics	Digital Marketing & Analytics (14)	3
0117201	Internal Control & Systems Auditing	Forensic Accounting & Auditing (17)	3
0119201	Advanced Statistical Modeling & Data Programming (Python/R)	FinTech & Risk Management (19)	3
0113301	Enterprise Resource Planning Systems (ERP - SAP/Oracle)	MIS & Business Intelligence (13)	3
0113302	Data Visualization & Interactive Dashboards (Power BI/Tableau)	MIS & Business Intelligence (13)	3
0113303	Cloud Computing Infrastructure for Business	MIS & Business Intelligence (13)	3
0113304	Machine Learning & AI Applications in Business	MIS & Business Intelligence (13)	3
0118301	Logistics Information Systems & Supply Chain Tracking	Smart Supply Chain & Logistics (18)	3
0115301	Change Management & Digital Adoption in Organizations	Human Resource Management (15)	3
0112301	Economics of Data & Digital Assets	Banking & Digital Economics (12)	3
0113401	IT Governance & Service Management (COBIT/ITIL)	MIS & Business Intelligence (13)	3

Course Code	Course Name	Offering Department	Credit Hours
0113402	Information Security & Cyber Business Continuity	MIS & Business Intelligence (13)	3
0113403	Applied Field Training in Business Intelligence	MIS & Business Intelligence (13)	3
0113404	Applied Graduation Project in Business Intelligence	MIS & Business Intelligence (13)	3

3. Major Elective Requirements (30 Credit Hours / Select 10 Courses out of 12 Offered)

Course Code	Course Name	Offering Department	Credit Hours
0113451	Big Data Analytics in Business	MIS & Business Intelligence (13)	3
0113452	Robotic Process Automation in Management (RPA)	MIS & Business Intelligence (13)	3
0113453	Natural Language Processing & Text Analytics (NLP)	MIS & Business Intelligence (13)	3
0113454	Systems Integration & Cloud API Management	MIS & Business Intelligence (13)	3
0111451	Enterprise Digital Transformation Strategies	Business Administration (11)	3
0119451	Blockchain Applications & Smart Contracts	FinTech & Risk Management (19)	3
0114451	Smart Customer Relationship Management (Social CRM)	Digital Marketing & Analytics (14)	3
0117451	Digital Forensics & Evidence	Forensic Accounting &	3

Course Code	Course Name	Offering Department	Credit Hours
	Analysis in Business Systems	Auditing (17)	
0118451	Smart Logistics Network Modeling & Simulation	Smart Supply Chain & Logistics (18)	3
0120451	Tech Entrepreneurship & Digital Prototyping	Innovation & Entrepreneurship (20)	3
0116451	Real Estate Geographic Information Systems (GIS)	Real Estate & Investment (16)	3
0112451	Predictive Analytics for Financial Markets	Banking & Digital Economics (12)	3