

Common MBA Big Data Analytics Syllabus

Semester 1

- Principles of Management
- Managerial Economics
- Accounting for Managers
- Organizational Behaviour
- Business Communication
- Quantitative Techniques for Managers
- Information Technology for Managers

Semester 2

- Financial Management
- Marketing Management
- Operations Management
- Business Research Methods
- Business Statistics & Econometrics
- Data Management & SQL
- Business Environment & Law

Semester 3 (Big Data Analytics Specialization)

- Introduction to Big Data & Hadoop Ecosystem
- Data Warehousing & ETL Processes
- Data Mining & Predictive Modeling
- NoSQL Databases (MongoDB, Cassandra)
- Cloud Computing for Big Data
- Streaming Analytics & IoT Data
- Programming for Big Data (Python / R / Scala)

Semester 4

- Advanced Big Data Technologies (Spark, Kafka)
- Machine Learning & AI for Big Data
- Data Visualization & Business Intelligence
- Optimization & Decision Sciences

- Capstone Project / Dissertation
- Case Studies on Big Data in Industries
- Seminar & Viva Voce