



MBA - Data Sciences and Analytics- Programme Structure (Executive MBA Program).

USME plans to launch an Executive Programme at the East Delhi campus, with a focus on Data Sciences and Analytics to cater to the emergent industry demand.

The proposed programme will be spread over Seven Terms, to earn **84 credits**. The programme will target Mid to Senior level Executives. At the time of submitting the application, the prospective candidates must be employed at an organization. Professionals who are owners of a registered business would also be eligible to apply, as long as the experience of the candidate has been for more than three years.

Duration/ time: 21 months

Programme for Seven Terms of 12-13 weeks and 12 credits each, with teaching concentrated around ten weeks within the term. The Seventh Term will involve Live Research/Capstone Project Work, including elaborate selfwork/study. Flexible mode classes will be held at the USME Campus, Delhi, in evening of working days/ Saturdays and/or Sundays. The proposed scheme of subjects is as follows.

All subjects are for 3 credits/30 hours instruction, unless otherwise mentioned. There will be a component of self-learning also, which will require additional hours of learning for each credit, in addition to the 30 hours of in-class teaching learning transactions.

<p>Term 1</p> <p>UMBE- 101 Critical Thinking and Problem Solving# UMBE- 102 Data Sciences I (Probability & Statistics) UMBE- 103 Organizational Behaviour UMBE- 104 Programming in Python UMBE- 105 Cost Accounting and Management Control</p>	<p>Term 2</p> <p>UMBE- 201 Data Sciences II (Inferential Statistics & DM) UMBE- 202 Operations and Logistics Management UMBE- 203 Marketing Management UMBE- 204 Managerial Economics</p>
<p>Term 3</p> <p>UMBE- 301 Managerial Communication# UMBE- 302 Data Sciences III (Machine Learning 1) UMBE- 303 IT & Management Systems UMBE- 304 Human Resources Management UMBE- 305 Corporate Finance</p>	<p>Term 4</p> <p>UMBE- 401 Data Sciences IV (BI & Visualization Techniques) UMBE- 402 Business Laws* UMBE- 403 Business Environment* Elective 1 Elective 2</p>
<p>Term 5</p>	<p>Term 6</p>

UMBE- 501 Data Sciences V (Machine Learning 2) UMBE- 501 Business and Strategic Policy Elective 3 Elective 4	<ul style="list-style-type: none"> • Data Sciences VI (Artificial Intelligence) • International Marketing or Knowledge Management & Big Data • Elective 5 • Elective 6
Term 7 4 weeks of Live/ Applied Capstone Project in India (10 Credits) Workshops/Simulations for Self Development (2 credits)	

Non-credit course in Workshop Mode

* 1.5 credit course

List of Electives Odd Terms	List of Electives Even Terms
MBEDS 01 Information and Project Management MBEDS 02 Advanced Time Series and Forecasting MBEDS 03 Data Structure and Graph Algorithms for Data Sciences MBEDS 04 Ontology & Graph Databases for data science MBEDS 05 Metaverse & Its applications in Business MBEDS 06 Applications of Deep Learning & AI MBEDS 07 Applications of Natural Language processing/understanding/generation	MBEMS 01 Risk Management MBEMS 02 Marketing, Web and Social Media Analytics MBEMS 03 HR Analytics MBEMS 04 CRM and Customer Analytics MBEMS 05 Retail Analytics MBEMS 06 Supply Chain Analytics MBEMS 07 Law and Ethics in Analytics MBEMS 08 Social Network Analytics MBEMS 09 Healthcare Analytics MBEMS 10 Financial Analytics