

This version: 08-05-2025

MS IN BUSINESS ANALYTICS COURSE LIST 2025-26

0. PRE-SESSION		Instructor	Prerequisites	Mandatory credits	Elective credits	Home program	Term part
ECBS5153	Mathematics and Informatics Pre-session	Lajos Szabo		0 (3)		BA	Pre
1. FALL 2025-26 (Sep - Dec)							
ECBS5208	Coding 1: Introduction to Python	Ramzi Chariag		1		BA	F1
ECBS5140	Data Analysis 1: Exploration - Business Analytics track	Maite Deambrosi		1		BA	F1
ECBS5293	Data Science 1: Setting Up Data Science Projects	Eduardo de la Rubia		1		BA	F1
ECBS5294	Data Science 2	Eduardo de la Rubia		1		BA	F1
ECBS5157	Financial Management	Andras Danis			2	F	F1
ECBS5075	Maximizing Your Future (remedial course)	Szarvas, Krisztina			0 (2)	F	F1-F2
ECBS5146	Data Engineering 1: Cloud Computing & Managed AI Solutions	Zoltan Toth		2		BA	F2
ECBS5142	Data Analysis 2: Finding Patterns with Regressions - Business Analytics track	Alice Kugler		2		BA	F2
ECBS5209	Data Visualization and Storytelling	Francesca Conselvan		1		BA	F2
ECBS5306	Coding 2: Python for Data Analysis	Ramzi Chariag			1	BA	F2
ECBS5215	Fintech in Depth	Tomy Lee	Financial Management		2	F	F2
2. WINTER 2025-26 (Jan- Mar)							
ECBS5228	Designing Analytics Projects (Capstone Project Development Seminar)	de la Rubia, Eduardo		1		BA	W1
ECBS5171	Data Analysis 3: Prediction and Introduction to Machine Learning	Gabor Bekes		3		BA	W1
ECBS5147	Data Engineering 2: Modern Data Platforms with Databricks and dbt	Zoltan Toth		2		BA	W1
ECBS5283	Time Series Forecasting	Francesca Conselvan			1	BA	W1
ECBS5207	Agile Project Management and Scrum	Laszlo Sallo			1	BA	W1
ECBS5259	Data Analysis with AI: Concepts and Tools	Gabor Bekes			1	EDP	W1
ECBS5188	Use Case Seminars 1.	Francesca Conselvan		1		BA	W2
ECBS5233	Data Science 3: Machine Learning Tools	Janos Divenyi		2		BA	W2
ECBS5258	Data Analysis with AI: Research Support	Gabor Bekes			1	EDP	W2
ECBS5021	Banking IT and Fintech: Bank to the Future*	Szlay Szabolcs	Financial Management		2	F	W2
ECBS5245	Data Analysis 4: Causal Analysis (advanced)	Gabor Bekes	Coding 2		2	EDP	W2
ECBS5256	Managing Data Science Teams	Eduardo de la Rubia	Coding 2		1	BA	W2
ECBS5349	Entrepreneurship and Innovation*	Andrea Kozma	Financial Management		2	F	W2
ECBS5211	Data Engineering 3: Orchestration and Real-time Data Processing	Gergely Daroczi	Coding 2		1	BA	W2
ECBS5334	Data Engineering 4: AI Engineering - Integrating LLMs	Zoltan Toth	Coding 2		1	BA	W2
3. SPRING 2025-26 (Apr - Jun)							
ECBS5155	Coding 3: Introduction to R	Gergely Daroczi			1	BA	S
ECBS5291	Introduction to Geospatial Data Science	Milan Janosov			1	BA	S
ECBS5204	Use Case Seminars 2.	Gabor Bekes			1	BA	S
ECBS5200	Data Science 4: Deep Learning and Topics in Applied AI	Eduardo de la Rubia			2	BA	S
ECBS5298	The Data Analytics and AI Industry	Wolfgang Weidinger	Coding 2		1	BA	S
ECBS5194	Capstone Project Writing (non-taught course)	Eduardo de la Rubia		2		BA	S
ECBS9105	Capstone Project (non-taught course)	Eduardo de la Rubia		2		BA	S

Home program: **BA:** MS in Business Analytics; **F:** MS in Finance; **EDP:** MA in Economics, Data and Policy

Term Part: indicates if course takes place in earlier or later part of the semester. F1 means Fall 1 - early part of fall term; W2 means Winter 2 - later part of winter term

All mandatory courses with BA as home program are scheduled on Mondays and Wednesdays;

Course list remains subject to change