

MSc in Machine Learning

60 credits · 4 semesters · 2 years

Proposed postgraduate curriculum framework. Final course titles, credits and research requirements should be confirmed against the institution's approved academic regulations.

Semester 1

Course	Credits
Mathematics for Machine Learning	3
Statistical Learning	2
Advanced Python & Scientific Computing	3
Machine Learning Algorithms	3
Data Engineering	2
Research Methods	2

Semester 2

Course	Credits
Deep Learning & Neural Networks	3
Natural Language Processing	2
Computer Vision	3
Probabilistic Machine Learning	3
Big Data Analytics	2
Machine Learning Lab	2

Semester 3

Course	Credits
Advanced Machine Learning	3
Generative Models	2
MLOps & Model Deployment	3
Recommender Systems	3
Applied Machine Learning Research	2
Research Seminar	2

Semester 4

Course	Credits
Industry / Research Internship	6

Course	Credits
Master's Thesis / Capstone	7
Thesis Defense & Dissemination	2

Curriculum note: This document is a website-ready academic planning framework. Final course codes, credits, prerequisites, electives and graduation requirements must follow the officially approved syllabus and affiliation/regulatory requirements.