

# Machine Learning and Biomedical Diagnostics

The table below shows a suggested list of courses for a *M.Sc. graduation path* at the ICT Lab. This path has an emphasis on the use of machine learning for biomedical diagnosis.

Quartile-Timeslot	Course Code	Course Name	Course type	ECTs
Y1-Q1-A	5CTA0	Statistical signal processing	Core	5
Y1-Q1-B	2DME30	Complex analysis	Core	5
Y1-Q1-C	2DME20	Non-linear optimization	Core	5
Y1-Q1-E2	5CKF0	Research set-up	Prof. Dev.	2.5
Y1-Q2-A1	5LSG0	Neuromonitoring	Elective	5
Y1-Q2-B1	5LSB0	Monitoring of respiration and circulation	Elective	5
Y1-Q2-E	5LSH0	Computer vision and 3D image processing	Elective	5
Y1-Q3-B1	5SSC0	Adaptive array signal processing	Specialization	5
Y1-Q3-B2	5SSD0	Bayesian machine learning and information processing	Specialization	5
Y1-Q3-E	5LSM0	Convolutional neural networks for computer vision	Elective	5
Y1-Q4	5CKB0	Tutoring and coaching	Prof. Dev.	2.5
Y1-Q4-A2	5LSL0	Machine learning for signal processing	Elective	5
Y1-Q4-D1	5AUA0	Advanced Sensing using Deep Learning	Elective	5
Y2-Q1	5M815	Internship SPS	Graduation	15
Y2-Q2,Q3,Q4	5T845	Graduation project SPS	Graduation	45

Core, Professional development, Biomedical diagnostics, Data processing, Graduation

Instead of 5AUA0, 5XSD0–Medical ultrasound–could be followed in timeslot E of Q4. If you want to follow both, 5LSH0 can be replaced with 5CKB0 in Q2 to free up a timeslot in Q4.

## Contact



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