

Master track AIES 2020-2021 free elective suggestions

The sections below give suggestions for free electives if you wish to specialize in a specific area of engineering systems which benefit from AI. The lists are by no means complete.

Health

<i>Code</i>	<i>Name</i>	<i>EC</i>	<i>Q</i>
5LIV0	Video health monitoring	5	2
5LSB0	Monitoring of respiration and circulation	5	2
5LSC0	Biomedical sensing technology	5	3
5LSJ0	Image analysis for health-care technologies	5	3
5LSM0	Convolutional neural networks for computer vision	5	3
8DM20	Capita selecta in medical image analysis	5	3
8VM70	Advanced topics in ultrasound imaging	5	2
8VM60	Ultrasound	5	2

High-tech systems & smart industries

<i>Code</i>	<i>Name</i>	<i>EC</i>	<i>Q</i>
5CSA0	Modeling dynamics	5	1
5SC28	Machine learning for systems and control	5	4
4SC000	Optimal control and dynamic programming	5	2
5SMB0	System identification	5	3

Mobility

<i>Code</i>	<i>Name</i>	<i>EC</i>	<i>Q</i>
0HM280	Human-robot interaction	5	4
4SC000	Optimal control and dynamic programming	5	2
5LMB0	Model-predictive control	5	3
5AUA0	Advanced sensing using deep learning	5	4

Entrepreneurship

<i>Code</i>	<i>Name</i>	<i>EC</i>	<i>Q</i>
1ZM20	Technology Entrepreneurship	5	2
1ZM120	Entrepreneurial Marketing	5	2