**Table 7 Specialization electives 'Human aspects for AI'. Choose 1 course from the table below:**

| Code | Name | EC | Q |
|------|------|-----|---|
| 0HM150 | Advanced cognitive engineering | 5 | 3 |
| 0HM270 | Supercrunchers | 5 | 4 |
| 0HM280 | Human-robot interaction | 5 | 4 |
| 0FC05 | Ethics of Technology | 5 | 1 |

Please note. This table used to include the course 0HM320. However, the course 0HM320 is deleted from the curriculum starting the academic year 2022-2023. In the academic year 2022-2023 only two resits are offered for the course 0HM320. Please contact the responsible lecturer prof.dr. J.H.D.M. Westerink for more information.

**Table 8 Specialization electives "AI and Engineering Systems". Choose 2 courses from the table below:**

| Code | Name | EC | Q |
|------|------|-----|---|
| 0HM280 | Human-Robot interaction | 5 | 4 |
| 4DC00 | Dynamics and Control of Robotic Systems | 5 | 4 |
| 4SC000 | Optimal control & dynamic programming | 5 | 2 |
| 5AUA0 | Advanced Sensing using deep learning | 5 | 4 |
| 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 |
| 5SC28 | Machine learning for systems and control | 5 | 4 |
| 5SMB0 | System identification | 5 | 3 |

**Table 9 Disciplinary deepening courses. Choose 5 EC from the table below:**

| Code | Name | EC | Q | Group |
|------|------|-----|---|-------|
| 5LMB0 | Model Predictive Control | 5 | 3 | CS |
| 5LSH0 | Computer Vision and 3D Image Processing | 5 | 2 | SPS |
| 5LTC0 | Brain-inspired optical computation | 2.5 | 4 | ECO |
| 5SC28 | Machine learning for systems and control | 5 | 4 | CS |
| 7LY5M0 | Intelligent Buildings | 5 | 1 | Built envir.mt |
| 5SSC0 | Adaptive array signal processing | 5 | 3 | SPS |
| 5LWC0 | Advanced actuator design | 5 | 4 | EPE |
| 4AT000 | Vehicle Dynamics | 5 | 1 | Mech. Engin. |
| 4AT050 | Vehicle control | 2.5 | 4 | Mech. Engin. |