

## Elektrotechniek Major Sensor Technology

### Programma

**EC**

|                                                      |           |
|------------------------------------------------------|-----------|
| <b>Year 1</b>                                        | <b>60</b> |
| □ Health                                             | 30        |
| ▫ ELVP19APRS1 - Project Semester 1                   | 5         |
| ▫ ELVP19AAE1 - Analogue Electronics 1                | 5         |
| ▫ ELVP20APHY1 - Physics 1                            | 2         |
| ▫ ELVP19ADIG1 - Digital Electronics 1                | 2         |
| ▫ ELVP18AMATH1 - Mathematics 1                       | 4         |
| ▫ ELVP17AFPRO - Fundaments of Programming            | 4         |
| ▫ ELVP15AENG1 - English 1                            | 4         |
| ▫ ELVP16APFS1 - Professional Skills 1                | 4         |
| □ Energy                                             | 30        |
| ▫ ELVP19APRS2 - Project Semester 2                   | 5         |
| ▫ ELVP20AAE2 - Analogue Electronics 2                | 5         |
| ▫ ELVP19ADIG2 - Digital Electronics 2                | 2         |
| ▫ ELVP20APHY2 - Physics 2                            | 2         |
| ▫ ELVP18AMATH2 - Mathematics 2                       | 4         |
| ▫ ELVP18ACHEM1 - Chemistry 1                         | 5         |
| ▫ ELVP15ABIOL1 - Biology 1                           | 3         |
| ▫ ELVP17APFS2 - Professional Skills 2                | 4         |
| <b>Year 2</b>                                        | <b>60</b> |
| □ Monitoring and Control                             | 30        |
| ▫ ELVH19APRS3 - Project Semester 3                   | 6         |
| ▫ ELVH17AOOP - Object Oriented Programming           | 2         |
| ▫ ELVH16AMATH3 - Mathematics 3                       | 3         |
| ▫ ELVH17ACS - Control Systems                        | 5         |
| ▫ ELVH17ADC - Data Communication                     | 5         |
| ▫ ELVH17AENT1 - Entrepreneurship 1                   | 1         |
| ▫ ELVH17ABIOL2 - Biology 2                           | 3         |
| ▫ ELVH17ACHEM2 - Chemistry 2                         | 3         |
| ▫ ELVH17APFS3 - Professional Skills 3                | 2         |
| □ Signal Processing/Robotics with noisy data         | 30        |
| ▫ ELVH17APRS4 - Project Semester 4                   | 6         |
| ▫ ELVH19ADSP - Digital Signal Processing             | 5         |
| ▫ ELVH20AROB - Robotics                              | 4         |
| ▫ ELVH16AMS - Modelling and Simulation               | 4         |
| ▫ ELVH16ADB - Databases                              | 2         |
| ▫ ELVH17ASTA - Statistics                            | 4         |
| ▫ ELVH19ADM - Design Methodology                     | 2         |
| ▫ ELVH17APFS4 - Professional Skills 4                | 3         |
| <b>Year 3</b>                                        | <b>60</b> |
| □ Research and Development                           | 30        |
| ▫ ELVH17APRS5 - Project Semester 5                   | 8         |
| ▫ ELVH17AENT2 - Entrepreneurship 2                   | 4         |
| ▫ ELVH19ARE - Reliability Engineering                | 3         |
| ▫ ELVH17ARESS - Research Skills                      | 2         |
| ▫ ELVH20AEMB - Embedded Systems                      | 5         |
| ▫ ELVH19ACTSP - Continuous Time Signal Processing    | 4         |
| ▫ ELVH17ACOC - Community Contribution                | 2         |
| ▫ ELVH17APFS5 - Professional Skills 5                | 2         |
| □ Internet of things/Entrepreneurship                | 30        |
| ▫ ELVH17APRS6 - Project Semester 6                   | 8         |
| ▫ ELVH17AENT3 - Entrepreneurship 3                   | 2         |
| ▫ ELVH17AAF - Advanced Filter                        | 2         |
| ▫ ELVH17AMATH4 - Mathematics 4                       | 4         |
| ▫ ELVH20AIOT - Internet of Things Fundamentals       | 5         |
| ▫ ELVH18GCVIP - Computer Vision and Image Processing | 4         |
| ▫ ELVH17ACOC - Community Contribution                | 2         |
| ▫ ELVH17APFS6 - Professional Skills 6                | 3         |
| <b>Year 4</b>                                        | <b>60</b> |
| □ Electives                                          | 30        |
| <i>vrije keuzeruimte</i>                             |           |

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