## E. Graduation Project (30 ECTS)

## D. International Semester (≥ 15 ECTS)

### A. Mandatory Courses (≤ 30 ECTS) — 25

| Code | Course | ECTS |
|---|---|---|
| 0EM100 | Evolutionary Foundations of IS | 5 |
| 0EM110 | Research Methodology for IS | 5 |
| 0EM120 | Governing Innovation | 5 |
| 0EM150 | Sustainability transitions and responsible innovation | 5 |
| 0EM130 | Modern Societies in Transition | 5 |

### B. Specialization Electives — 20 ECTS
*Choose track 1, 2 or free-track*

#### Track 1: Global Sustainability
*(choose ≥ 2 from B1 or B2)*

**B1: Track Core Courses (choose ≥ 2)**

| Code | Course | | ECTS |
|---|---|---|---|
| 0EM140 | Energy, economy and society | Q2 | 5 |
| 0EM200 | International Sustainable Development | Q3 | 5 |
| 0EM310 | From industrial ecology to Cradle-to-cradle | Q4 | 5 |
| 0EM170 | Global Connections | Q2 | 5 |

**B2: Specialization Courses**

| Code | Course | | ECTS |
|---|---|---|---|
| 0HM260 | Environmental Psychology | Q3 | 5 |
| 1CM170 | Sustainable Supply Chains | Q4 | 5 |
| 4EM70 | Sustainable Energy Sources | Q2 | 5 |
| 5LED0 | Smart Grid Operation through ICT | Q3 | 5 |
| 7LY3M0 | Building Performance and Energy Systems Simulation | Q1 | 5 |
| 7ZW4M0 | Built Environment and Smart Mobility | Q4 | 5 |
| 7ZW5M0 | Smart Urban Environments | Q2 | 5 |
| 1ZM160 | Innovation and Entrepreneurship Study | Q1 | 5 |

**OR**

#### Track 2: Innovation Strategy and Policy
*(choose ≥ 2 from B1 or B2)*

**B1: Track Core Courses (choose ≥ 2)**

| Code | Course | | ECTS |
|---|---|---|---|
| 0HM220 | Network Society | Q2 | 5 |
| 0HM270 | Super Crunchers | Q4 | 5 |
| 0EM190 | Infonomics | Q4 | 5 |
| 0EM160 | Innovation and Intellectual Property Rights | Q2 | 5 |
| 0EM170 | Global Connections | Q2 | 5 |

**B2: Specialization Courses**

| Code | Course | | ECTS |
|---|---|---|---|
| 1JM06 | Human Aspects of Innovation | Q1 | 5 |
| 1ZM11 | Marketing and Innovation | Q3 | 5 |
| 1ZM20 | Technology Entrepreneurship | Q2 | 5 |
| 1ZM40 | Strategy and Technology Management | Q2 | 5 |
| 1ZM90 | Open Innovation | Q4 | 5 |
| 5LTA0 | Advanced Network Protocols | Q4 | 5 |
| DCM130 | Design for Social Innovation | Q2 | 5 |
| 1ZM160 | Innovation and Entrepreneurship Study | Q1 | 5 |

### C. Free Electives and Homologation

Free Choice

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- Students have to take all courses under A.
- Students have to select at least two courses from B1.
- Students have to select at least two additional courses from B1 / B2.
- Students have to select at least 10 ECTS of engineering science courses in the program (B, C, and/or D).
- If students want to be eligible for the free/special track, a request must be submitted to the Exam Committee which contains a well-argued motivation and the approval from the Program Chair.