## ACADEMIC CALENDAR HECTOR SCHOOL

### Executive Master Programs Intake 2020

**Management of Product Development (MPD)**

**Production & Operations Management (POM)**

**Mobility Systems Engineering & Management (MSEM)**

**Energy Engineering & Management (EEM)**

**Financial Engineering (FE)**

**Information Systems Engineering & Management (ISEM)**

In addition to the master programs, the HECTOR School also offers **certificate courses** (3 - 5 day seminars on state-of-the-art technology topics) and **partner programs**.

### Six Part-Time Master of Science Programs in

- Management of Product Development (MPD)
- Production & Operations Management (POM)
- Mobility Systems Engineering & Management (MSEM)
- Energy Engineering & Management (EEM)
- Financial Engineering (FE)
- Information Systems Engineering & Management (ISEM)

The academic calendar for each program starts annually in October. It consists of 10 modules, each with a duration of 2 weeks. All programs conclude with a master thesis.

**Master Thesis:**

- **ISEM, FE:** 6 months project work
- **MPD, POM, MSEM, EEM:** 9 months project work

**Crash Courses**

- **Nov 09–13, 2020:** 5-day seminar in Selected Topics of *Electrical Engineering* or *Thermodynamics, and Fluid Mechanics*
- **Nov 13–14, 2020:** 2-day seminar in *Probability and Statistics*

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<table>
<thead>
<tr>
<th>Project Work on Master Thesis</th>
<th>Regular</th>
<th>Earliest</th>
<th>Time Schedule Thesis</th>
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</thead>
<tbody>
<tr>
<td><strong>Start</strong></td>
<td>January 1, 2022</td>
<td>November 1, 2021</td>
<td></td>
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<tr>
<td><strong>Completion by</strong></td>
<td>June 30, 2022</td>
<td>April 30, 2022</td>
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<tr>
<td><strong>Completion by</strong></td>
<td>September 30, 2022</td>
<td>July 31, 2022</td>
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</tbody>
</table>

You can start your thesis earliest after completing 8 modules. Latest start of your thesis is after your 10th module. The thesis must be completed after 6 months for ISEM and FE, and after 9 months for MPD, POM, MSEM and EEM.

### Topics of Engineering Modules:

**EM 1:** Integrated Product Development by ASD - Agile Systems Design
**EM 2:** Design & Validation Process and Information Systems for Product Development (PD)
**EM 3:** Simulation and Target Values in PD
**EM 4:** Validation and Verification in PD
**EM 5:** Tools and Methods of Product Engineering *(module taught in China)*

**EM 1:** Fundamentals in Production & Operations Management
**EM 2:** IT Support of Production Systems
**EM 3:** Methods of Operations Management
**EM 4:** Networks of Supply & Production Systems
**EM 5:** Global Production & Distribution Systems *(module taught in China)*

**EM 1:** Processes, Methods & Tools of Systems Engineering
**EM 2:** Systems Design
**EM 3:** Systems Integration & Validation
**Specialization Advanced Driver Assistance Systems**
**EM 3:** Functions of ADAS
**EM 4:** Components & Technologies of ADAS
**Specialization E-Mobility**
**EM 3:** E-Mobility: Political & Technical Framework
**EM 4:** E-Mobility: Components & Technology

**EM 1:** Renewables
**EM 2:** Thermal Energy Conversion
**EM 3:** Electricity Generation & Energy Storage
**EM 4:** Smart Networks & Energy Distribution
**EM 5:** Energy Economics

**EM 1:** Digital Platforms
**EM 2:** Global Financial Markets
**EM 3:** Valuation & Financial Analytics
**EM 4:** Advanced Financial Engineering
**EM 5:** Risk Management

**EM 1:** Digital Platforms
**EM 2:** Software Engineering
**EM 3:** Process & Knowledge Engineering
**EM 4:** Security & Privacy Engineering
**Specialization**
**EM 5:** Digital Services
**Specialization**
**EM 5:** Autonomous Robotics

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**Specialization**
**EM 5:** Autonomous Robotics

**MM 1:** Marketing & Information
**MM 2:** Finance & Value
**MM 3:** Decisions & Risk
**MM 4:** Innovation & Projects | Corporate Innovation & Entrepreneurship *(module taught in Spain)*
**MM 5:** Strategy & People

Please note: Dates and modules are subject to change.