## Academic Calendar Hector School

### Executive Master Programs Intake 2019

- **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)**

Additional 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**.

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### Crash Courses

- **Nov 4-8, 2019**: 5-day seminar in Selected Topics of Electrical Engineering or Engineering Thermodynamics, and Fluid Mechanics
- **Nov 8-9, 2019**: 2-day seminar in Probability and Statistics

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

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

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Please note: Dates are subject to change.
Engineering Modules: Topics & Lectures

EM 0: Engineering Principles (preparatory module, only for applicants with a non-engineering degree)
EM 1: Design & Validation Process and Information Systems for Product Development
EM 2: Integrated Product Development by ASD – Agile Systems Design
EM 3: PGE - Product Generation Engineering
EM 4: Systems & Cases
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 5: 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 0: Engineering Principles (preparatory module, only for applicants with a non-engineering degree)
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
EM 5: Elective Subject: Digital Services or Autonomous Robotics

Management Modules: Topics & Lectures

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

Master Thesis: October 1, 2020 - March 31, 2021
October 1, 2020 - June 30, 2021

Please note: Dates and modules are subject to change.