

ACADEMIC CALENDAR HECTOR SCHOOL

## Executive Master Programs Intake 2020



September 2020							October 2020							November 2020							December 2020							
Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	01	02	03	04	05	06			01	02	03	04								01			01	02	03	04	05	06
07	08	09	10	11	12	13	MM1	07	08	09	10	11	02	03	04	05	06	07	08	07	08	09	10	11	12	13		
14	15	16	17	18	19	20	12	13	14	15	16	17	18	09	10	11	12	13	14	15	14	15	16	17	18	19	20	
21	22	23	24	25	26	27	19	20	21	22	23	24	25	EM1	18	19	20	21	22	21	22	23	24	25	26	27		
28	29	30	26	27	28	29	30	31	23	24	25	26	27	28	29	28	29	30	31									

January 2021							February 2021							March 2021							April 2021						
Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
				01	02	03	01	02	03	04	05	06	07	01	02	03	04	05	06	07				01	02	03	04
04	05	06	07	08	09	10	08	09	10	11	12	13	14	08	09	10	11	12	13	14	05	06	07	08	09	10	11
EM2	13	14	15	16	17	15	16	17	18	19	20	21	15	16	17	18	19	20	21	MM3	14	15	16	17	18		
18	19	20	21	22	23	24	MM2	24	25	26	27	28	22	23	24	25	26	27	28	19	20	21	22	23	24	25	
25	26	27	28	29	30	31	29	30	31	29	30	31	26	27	28	29	30										

May 2021							June 2021							July 2021							August 2021							
Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
					01	02			01	02	03	04	05	06				01	02	03	04							01
03	04	05	06	07	08	09	EM3	09	10	11	12	13	05	06	07	08	09	10	11	02	03	04	05	06	07	08		
10	11	12	13	14	15	16	14	15	16	17	18	19	20	EM4	14	15	16	17	18	09	10	11	12	13	14	15		
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22	
24	25	26	27	28	29	30	28	29	30	26	27	28	29	30	31	23	24	25	26	27	28	29	30	31				

September 2021							October 2021							November 2021							December 2021							
Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
					01	02					01	02	03	01	02	03	04	05	06	07				01	02	03	04	05
06	07	08	09	10	11	12	04	05	06	07	08	09	10	08	09	10	11	12	13	14	MM5	08	09	10	11	12		
MM4	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19		
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26	
27	28	29	30	EM5	27	28	29	30	31	28	30	27	28	29	30	31												

MM	Management Modules
EM	Engineering Modules
	Exams

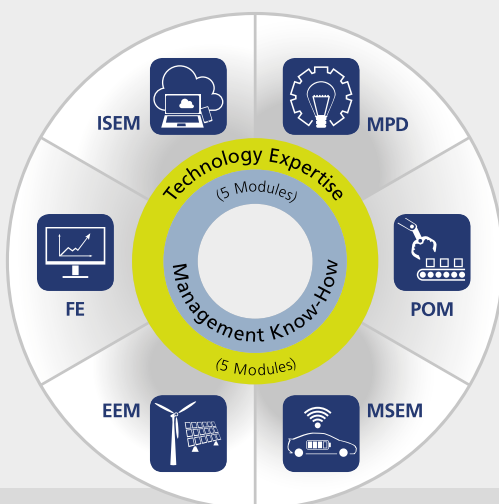
Please note: Dates are subject to change.

**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"

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
- >> **Master Thesis MPD, POM, MSEM, EEM:** 9 months project work





### 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)

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**.



Project Work on Master Thesis	Regular	Earliest
<b>Start</b>	January 1, 2022	/ November 1, 2021
 <b>Completion by</b>	June 30, 2022	/ April 30, 2022
 <b>Completion by</b>	September 30, 2022	/ July 31, 2022

**Time Schedule Thesis**

You can start your thesis earliest after completing 8 modules. Latest start of your thesis is after your 10<sup>th</sup> 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*)




MANAGEMENT OF PRODUCT DEVELOPMENT

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*)




PRODUCTION & OPERATIONS MANAGEMENT

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




MOBILITY SYSTEMS ENGINEERING & MANAGEMENT

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




ENERGY ENGINEERING & MANAGEMENT

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



FINANCIAL ENGINEERING

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



INFORMATION SYSTEMS ENGINEERING & MANAGEMENT

## Topics of Management Modules:

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