

ACADEMIC CALENDAR HECTOR SCHOOL

Executive Master Programs Intake 2021



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	03	04	05					01	02	03	01	02	03	04	05	06	07			01	02	03	04	05
06	07	08	09	10	11	12	MM1	06	07	08	09	10	08	09	10	11	12	13	14	06	07	08	09	10	11	12	
13	14	15	16	17	18	19	11	12	13	14	15	16	17	EM1	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				25	26	27	28	29	30	31	28	30						27	28	29	30	31		

January 2022							February 2022							March 2022							April 2022								
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	05	06					01	02	03
03	04	05	06	07	08	09	07	08	09	10	11	12	13	07	08	09	10	11	12	13	04	05	06	07	08	09	10		
EM2	12	13	14	15	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20	11	12	13	14	15	16	17			
17	18	19	20	21	22	23	MM2	23	24	25	26	27	21	22	23	24	25	26	27	18	19	20	21	22	23	24			
24	25	26	27	28	29	30	28						MM3	30	31					25	26	27	28	29	30				
31																													

May 2022							June 2022							July 2022							August 2022						
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			01	02	03	04	05					01	02	03	01	02	03	04	05	06	07
02	03	04	05	06	07	08	06	07	08	09	10	11	12	EM4	06	07	08	09	10	08	09	10	11	12	13	14	
EM3	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21	
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31	29	30	31				
30	31																										

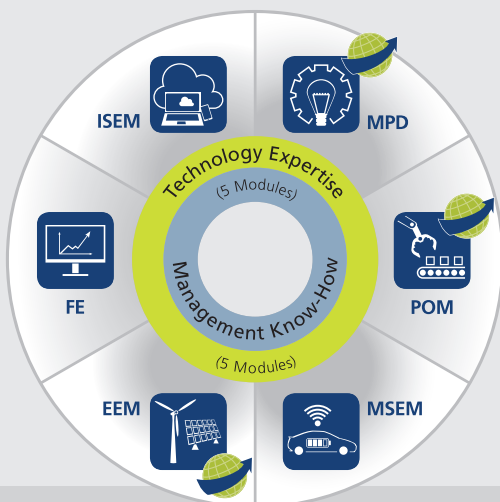
September 2022							October 2022							November 2022							December 2022							
Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
			01	02	03	04						01	02			01	02	03	04	05	06				01	02	03	04
05	06	07	08	09	10	11	03	04	05	06	07	08	09	07	08	09	10	11	12	13	MM5	07	08	09	10	11		
MM4	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18		
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	
26	27	28	29	30			EM5	26	27	28	29	30	28	29	30					26	27	28	29	30	31			
							31																					

MM Management Modules
 EM Engineering Modules
 Exams

Please note: Dates are subject to change.

Crash Courses
Nov 08–12, 2021: 5-day seminar in Selected Topics of "Electrical Engineering" or "Thermodynamics, and Fluid Mechanics"
Nov 12–13, 2021: 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)

Compact further education formats like Certificate Courses and more can be found in the HECTOR School Academy.



Project Work on Master Thesis	Regular	Earliest
Start	January 1, 2023	/ November 1, 2022
 Completion by	June 30, 2023	/ April 30, 2023
 Completion by	September 30, 2023	/ July 31, 2023

Time Schedule Thesis

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*)




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: Economics of Global Financial Markets
 EM 3: Massive Data Sets and Financial Machine Learning
 EM 4: Advanced Finance Theory
 EM 5: Financial Machine Learning with AI



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