

ACADEMIC CALENDAR HECTOR SCHOOL

Executive Master Programs Intake 2019



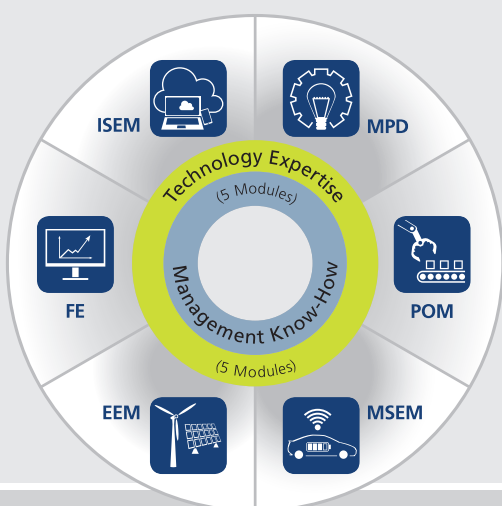
September 2019							October 2019							November 2019							December 2019							
Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
						01	MM1	02	03	04	05	06						01	02	03							01	
02	03	04	05	06	07	08	07	08	09	10	11	12	13	04	05	06	07	08	09	10	02	03	04	05	06	07	08	
09	10	11	12	13	14	15	14	15	16	17	18	19	20	EM1	13	14	15	16	17	09	10	11	12	13	14	15		
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22	
23	24	25	26	27	28	29	28	29	30	31	25	26	27	28	29	30	23	24	25	26	27	28	29					
MM1																			30	31								
January 2020							February 2020							March 2020							April 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						01	02							01			01	02	03	04	05	
06	07	08	09	10	11	12	03	04	05	06	07	08	09	02	03	04	05	06	07	08	06	07	08	09	10	11	12	
EM2	15	16	17	18	19	10	11	12	13	14	15	16	09	10	11	12	13	14	15	13	14	15	16	17	18	19		
20	21	22	23	24	25	26	MM2	19	20	21	22	23	16	17	18	19	20	21	22	20	21	22	23	24	25	26		
28	29	29	30	31	24	25	26	27	28	29	MM3	25	26	27	28	29	28	29	29	30								
													30	31														
May 2020							June 2020							July 2020							August 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	
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EM3	06	07	08	09	10	08	09	10	11	12	13	14	EM4	08	09	10	11	12	03	04	05	06	07	08	09			
11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	
18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	
25	26	27	28	29	30	31	29	30	28	29	29	30	31	28	29	29	30	31	24	25	26	27	28	29	30			
																		31										
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	
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07	08	09	10	11	12	13	05	06	07	08	09	10	11	02	03	04	05	06	07	08	MM5	09	10	11	12	13		
MM4	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	16	17	18	19	20	21	22	21	22	23	24	25	26	27	
28	29	30	EM5	28	29	30	31	23	24	25	26	27	28	29	28	29	30	31										

MM Management Modules
EM Engineering Modules
Exams

Please note: Dates are subject to change.

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

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



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**.



* Subject to the approval procedure of KIT and the Ministry for Science, Research and Art in Baden-Württemberg

Engineering Modules: Topics & Lectures

- 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*)

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 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

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
- EM 5: *Elective Subject: Digital Services or Autonomous Robotics*

INFORMATION SYSTEMS
ENGINEERING &
MANAGEMENT



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