



Technical Innovation Management and Product Management - Master of Science -

Job Prospects

Long-term success for technology-oriented enterprises in international competition increasingly depends on their ability to successfully launch new and innovative products.

This means that they must be able to develop new products, processes and/or services, introduce them on the market and generate profit in a short time. The persons in charge of planning and coordinating this kind of innovation processes are product managers, acting as “entrepreneurs within the enterprise”. The teaching content of this Master’s degree course mainly focuses on one of the most exciting company sectors, which is currently strengthened in many companies. You may, however, use the competences you acquire not merely in the area of product management but in many overlapping areas, such as technology purchase and sale, project management, or in a business consultancy.

OBJECTIVES

You will gain profound knowledge of all corporate processes of technical innovation and product management. You will proactively develop these processes, apply them self-assuredly and further develop the necessary methods. With your broad-based fundamental knowledge of technology and the special knowledge acquired in projects you will be capable of analysing, planning and implementing innovative projects from their initial stage of finding ideas up to the project’s final launching in the market. Beyond that you will gather all competences necessary for the maintenance of products throughout their lifecycles.

COURSE STRUCTURE

This study course is designed as full-time course in three semesters. The course’s workload is equivalent to 90 ECTS-credits.

Within the Master’s degree programme all contents of the innovation process and all pertaining methods will be taught. The three essential phases of this process – defining, manufacturing and launching the product – will be taught in individual modules in their logical sequence.

Other relevant issues such as process and quality management, project management, business-related contents of product management, as well as self-management and leadership competence will be covered as well.

A key of your training will be your working on a complete innovation project of your own in parallel to the impartment of academic knowledge. The project will be defined by one of the industrial partner enterprises, and you may apply for the various projects within a small project group. You will circulate through all phases of the innovation process and present your results in relation to your project’s milestones. This ensures a very practice-oriented training and hands-on experience and the project results will directly be used in the partner companies.

You will cap off your training in semester three with a Master thesis. Complementary seminars will ensure further deepening of your competences to work scientifically.

After successful completion of your studies you will graduate with the academic degree **Master of Engineering (M.Eng.)**

Course structure chart: please see next page.

Se- mester	COURSE STRUCTURE																													
3	Seminar										Master Thesis																			
2	Industrial Project and Project Management										Product Realisation					Launching of the Product and PLM					Self and Leadership Competences			PQM			Compulsory Electives			
1	Industrial Project and Project Management										Product Definition					Product Realisation		Self and Leadership Competences			Process and Quality Management (PQM)			The Business Side of Innovation Processes				Compulsory Electives		
ECTS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

BEGINNING OF THE COURSE

The Master's degree course Technical Innovation Management and Product Management can be started in the winter of each academic year only.

ADMISSION

The admission requirement for the Master's degree course Technical Innovation Management and Product Management is a first degree (German Diplom or Bachelor's degree) in Industrial Engineering or another engineering course such as Electrical, Mechanical or Mechatronic Engineering of at least 210 ECTS-credit points and which included practical engineering work experience of at least 20 weeks. The number of places is limited. Selection will be made on the basis of due and timely application as well as assessment of the application documents and the grade point average in the first degree.

CONTACT

Course Coordinator

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IMPORTANT LINKS

(Information in English on our website)

www.hs-kempten.de > INTERNATIONAL > click English flag (in the top left-hand corner)

[Information for international exchange students](#)
(> INTERNATIONAL > EXCHANGE STUDENTS / INCOMING)

[Study programmes – short description in English](#)
(> INTERNATIONAL > DOWNLOADS > Study Programmes)

[Guests and Visitors at Kempten University](#)
(> INTERNATIONAL > GUESTS AND VISITORS)

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PLEASE NOTE that, although this description is written in English, the study course is taught in German.