

University of Oulu
 Programme Structure Diagram 2019–2020
 Product Management, Master's Programme in Industrial Engineering and Management
 Master of Science in Technology (2 years, 120 ECTS Credits)

Code and link to the course description in Oodi	Course name and ECST Credits	Preferred timing							
		1. academic year				2. academic year			
		autumn	spring	autumn	spring	autumn	spring	autumn	spring
		1P	2P	3P	4P	1P	2P	3P	4P
MAJOR STUDIES, total at least 60 ECTS cr									
<i>Common studies, 20 ECTS cr</i>									
555313S	Management, 5 op	5							
555314S	Management Information Systems, 5 op			5					
555301S	Research Seminar, 5 op		1	1	1	1	1		
555304S	Advanced Internship, 5 op						5		
<i>Advanced studies, 20 ECTS cr</i>									
555350S	Research and Technology Management, 5 op	2,5	2,5						
555351S	Advanced Course in Product Management, 5 op		5						
555343S	Product Data and Product Life Cycle Management, 5 op			5					
555346S	Product Portfolio Management, 5 op			2,5	2,5				
SUPPLEMENTARY MODULE 1: supplementary studies of major, 20 ECTS cr									
Select 1-2 modules from supplementary module 1 and advanced elective studies, if needed. The total extent of the major studies is at least 60 ECTS cr.									
Module 11: Organisation and Knowledge Management									
555370S	Strategic Management, 5 op			5					
555371S	Human Resource Management, 5 op				5				
Module 12: Project Management									
555391S	Advanced Course in Project Management, 5 op	5							
555382S	Management of a Project-Based Firm, 5 op				5				
Module 13: Process and Quality Management									
555390S	Statistical Process Management*, 5 op	5							
555389S	Systematic Process Improvement*, 10 op					10			
Advanced Elective Studies									
555377S	Risk Management, 5 op						5		
555376S	Sustainable Organisational Development*, 5 op					5			
555378S	Seminar in Industrial Engineering and Management, 5 op						5		
555379S	Research Project in Industrial Engineering and Management, 5 op		5						
SUPPLEMENTARY MODULE 2: engineering and/or other IEM studies, total 20 ECTS cr		5	5		5	5			
Select engineering and/or other IEM studies so that the total extend of module 2 is at least 20 ECTS cr. The amount and the field of engineering studies depend on prior work experience and studies. Max. 10 ECTS cr of intermediate (A) level IEM courses can be included in this module.									
Engineering Studies**, 0-20 ECTS cr									
The studies will be selected from other engineering fields at the University of Oulu or other Universities, so that the extend of this module is at least 20 ECTS cr. Studies should be intermediate (A) or advanced (S) level courses. International students can choose the studies from other engineering for IMP's course lists.									
Other IEM Studies, 0-20 ECTS cr									
Select the courses so that the extend of this module is at least 20 ECTS cr. The course with the same content can be included in the degree only once.									
ELECTIVE STUDIES, 0-10 ECTS cr									
These courses are compulsory for IMP students:									
555212P	Orientation Course for New Students, 1 ECTS cr	0,5	0,5						
030008P	Information Skills for Foreign Degree Students, 1 ECTS cr	0,5	0,5						
For IMP students, this Finnish language course is compulsory:									
900017Y	Survival Finnish Course, 2 op			2					

If the courses in total remain under 90 ECTS cr, the degree can be completed with elective studies. The recommendation for elective studies are language-, business and entrepreneurship studies. For IMP's students Finnish language studies are recommended.***											
MASTER'S THESIS AND RELATED STUDIES, 30 ECTS cr											
555300S	Master's Thesis, 30 ECTS cr									15	15
555302S	Maturity Test, 0 ECTS cr										
	ECTS Credits / Period (15 credits)	18	14	14	14	16	16	15	15		
	ECTS Credits / Semester (30 credits)	31		27		32		30			
	ECTS Credits / Academic year (60 credits)	58				62					
	Degree (120 credits)	X				120					

* The Instruction Language is Finnish

** [Find more information from Course Catalogues \(Faculties of Technology and Information Technology and Electrical Engineering\).](#)

*** [Find more information from Course Catalogues \(Oulu Business School and Extension School\).](#)

Instructions for filling in the programme structure diagram

- The table contains calculation diagrams and conditional designs. Do not edit calculation lines.
- Mark the preferred timing as ECTS credits in the green part of the table.
- Use only a small "x" in the blue part of the table.
- Explanations of color codes to visualize the overall image:
 - * No "x" mark --> red
 - * One "x" mark --> yellow (except selection criteria)

