

**Study plan for the follow-up master study programme BMCT,
field of study Systematic Integration of Processes in Health Service in English (full-time study)**

Valid for students who entered the study from the academic year 2016/17

17AMS_16 (0)

Guaranteeing department: Department of Biomedical Technology - KBT 17110, vedoucí: prof. Ing. Peter Kneppo, DrSc.

Guarantor of the field of study: prof. Ing. Peter Kneppo, DrSc.

Code	Course	Obligation	Load	Credits	Conclusion	Guaranteeing department
1st year 1st semester (14 weeks)						
17ABOZP	Occupational safety and health, fire protection and first aid	P	1+0	0	z	FBMI KBT
17AMSZDT1	Basic Diagnostic and Therapeutic Methods I	P	2+2	4	z	FBMI KZOOO
17AMSSZP	Health Care Systems and Health Insurance	P	2+2	5	z, zk	FBMI KBT
17AMSRLZA	Human Resources Management	P	1+1	3	kl. z	FBMI KBT
Courses for graduates from bachelor engineering programs:						
17AMSEK	Economics	P	2+2	5	z, zk	FBMI KBT
17AMSNKC	Costs, Costing, Prices	P	2+2	4	kl. z	FBMI KBT
17AMSZF	Fundamentals of Pharmacology	P	2+1+1	4	kl. z	FBMI KZOOO
17AMSZA	Fundamentals of Anatomy	P	2+2	5	z, zk	FBMI KZOOO
Courses for graduates from bachelor paramedical programs:						
17AMSEK	Economics	P	2+2	5	z, zk	FBMI KBT
17AMSNKC	Costs, Costing, Prices	P	2+2	4	kl. z	FBMI KBT
17AMSITZA	Information Technology in Health Care	P	2+2	5	kl.z.	FBMI KBT
17AMSPMF	Mathematics and Physics Survey	P	2+2	4	z, zk	FBMI KBT
Courses for graduates from bachelor economic programs:						
17AMSZF	Fundamentals of Pharmacology	P	2+1+1	4	kl. z	FBMI KZOOO
17AMSZA	Fundamentals of Anatomy	P	2+2	5	z, zk	FBMI KZOOO
17AMSITZA	Information Technology in Health Care	P	2+2	5	kl.z.	FBMI KBT
17AMSPMF	Mathematics and Physics Survey	P	2+2	4	z, zk	FBMI KBT
1st year 2nd semester (14 weeks)						
17AMSZDT2	Basic Diagnostic and Therapeutic Methods II	P	2+2	5	z, zk	FBMI KZOOO
17AMSHZTA	Health Technology Assessment	P	2+2	5	z, zk	FBMI KBT
17AMSVKM	Selected Chapters in Mathematics	P	1+1	2	kl.z.	FBMI KBT
17AMSEZZ	Economics in Health Care Institutions	P	2+2	4	z, zk	FBMI KBT
17AMSOS	First Year Project	P	0+1	2	z	FBMI KBT
17AMSPLPTA	Medical Devices Survey	P	2+2	4	z, zk	FBMI KBT
17AMS???	Povinně volitelný předmět viz níže uvedený přehled	PV	2+2	4	kl. z	FBMI
17AMS???	Povinně volitelný předmět viz níže uvedený přehled	PV	2+2	4	kl. z	FBMI

Code	Course	Obligation	Load	Credits	Conclusion		Guaranteeing department
2nd year 3rd semester (14 weeks)							
17AMSBST	Biostatistics	P	2+2	4	z, zk		FBMI KBT
17AMSMZZ	Management of Health Care Institutions	P	2+2	4	z, zk		FBMI KBT
17AMSNISA	Hospital Information Systems	P	2+2	4	z,zk		FBMI KBI
17AMSSDP1A	Master Thesis Seminar I (subject registration prerequisite 17AMSOS)	P	0+1	2	z		FBMI KBT
17AMSBCA	Biosystem MAN	P	2+2	4	z, zk		FBMI KBT
17AMSLKH	Health Legislation and Clinical Trials	P	2+2	4	z, zk		FBMI KBT
17AMS???	Povinně volitelný předmět viz níže uvedený přehled	PV	2+2	4	kl. z		FBMI
17AMS???	Povinně volitelný předmět viz níže uvedený přehled	PV	2+2	4	kl. z		FBMI
2nd year 4th semester (14 weeks)							
17AMSZUM	Fundamentals of Critical Care Medicine and Integrated Rescue Systems	P	2+2	4	z, zk		FBMI KZOOO
17AMSDP	Master Thesis Project	P	0+8	8	z		FBMI
17AMSSDP2A	Master Thesis Seminar II (subject registration prerequisite 17AMSSDP1A, korequisite 17AMSDP)	P	0+1	2	z		FBMI KBT
17AMSTVZ	Technological Facilities in Health Care Institutions	P	2+2	4	kl. z		FBMI KBT
17AMSRKZA	Quality Management in Health Care	P	2+2	4	z, zk		FBMI KBT
17AMS???	Povinně volitelný předmět viz níže uvedený přehled	PV		4	kl. z		FBMI
17AMS???	Povinně volitelný předmět viz níže uvedený přehled	PV		4	kl. z		FBMI

List of offered compulsory optional courses in 2nd semester

Code	Course	Obligation	Load	Credits	Conclusion	Guaranteeing department
17AMSZU	Fundamentals of Accounting	PV	2+2	4	kl.z	FBMI KBT
17AMSMKZ	Marketing of Health Care Institutions	PV	2+2	4	kl. z	FBMI KBT
17AMSPIZ	Work with Information Sources and Research Methodology	PV	2+2	4	kl. z	FBMI KBT
17AMSJIP	Intensive Care Units&Mobile Health Care Units	PV	2+2	4	kl. z.	FBMI KZOOO
17AMSIKR	Information from Clinical Registers and Health Care Information Sources	PV	2+2	4	kl. z.	FBMI KBI

List of offered compulsory optional courses in 3rd semester

Code	Course	Obligation	Load	Credits	Conclusion	Guaranteeing department
17AMSCIA	Economic Analyses for Health Care	PV	2+2	4	kl. z.	FBMI KBT
17AMSOVZ	Operations Research in Health Care	PV	2+2	4	kl. z.	FBMI KBT
17AMSMIPA	Project Management	PV	2+2	4	kl. z	FBMI KBI
17AMSUPS	Psychology and Sociology Utilization in Practise	PV	2+2	4	kl. z.	FBMI KBT

List of offered compulsory optional courses in 4th semester

Code	Course	Obligation	Load	Credits	Conclusion	Guaranteeing department
17AMSEHG	E-Health and E-Government	PV	2+2	4	kl. z.	FBMI KBI
17AMSTNO	Toxicology and Ecotoxicology, Dangerous Materials and Waste Management in Health Care	PV	2+2	4	kl.z	FBMI KBT
17AMSSZZ	Strategy of Health Care Institutions	PV	2+2	4	kl.z	FBMI KBT
17AMSZMS	Modelling and Simulation Fundamentals	PV	2+2	4	kl. z.	FBMI KBT
17AMSDEV	Product Design and Ergonomics in Health Care	PV	0+2+2	4	kl. z.	FBMI KBT