

Doctoral study programme:	System Engineering and Informatics
Doctoral study specialization:	Informatics in Public Administration
Limit of Credits:	180
Form of Study:	full-time/part-time
Standard Length of Study:	4 years

Compulsory Courses

Code	Course	Credit Points ECTS	Format L+S	Type of Exam	Recomm. Semester
FES/AVCS2	Scientific-Research Activities	10	0-0	a	SS/1
FES/AVCS4	Scientific-Research Activities	10	0-0	a	SS/2
FES/AVCS5	Scientific-Research Activities	20	0-0	a	WS/3
FES/AVCS6	Scientific-Research Activities	20	0-0	a	SS/3
FES/AMEVI	Science Methodology	15	15-0	ex	
FES/AOTS	General Theory of Systems	15	15-0	ex	
FES/ASMM	Statistic and Mathematic Methods in Management	15	15-0	ex	
FES/AVOE	Selected Chapters from Economic Theory	15	15-0	ex	

Credit evaluation of scientific and research publications in terms of scientific-research activities of a PhD student

Publication in a periodical with IF awarded (registered in ISI Thomson)	30
Book monographic publication (outside the Czech and Slovak Rep.)	30
Publication in an index journal (e.g. Scopus, ACM, IEEE)	25
Publication in index conference proceedings (ISI Thomson, Scopus, ACM, IEEE, etc.)	20
Book monographic publication (inside the Czech and Slovak Rep.)	20
Publication in a reviewed non-index journal	15
Publication in non-index international conference proceedings	12
Teaching text, text-book/script, e-course	10
Publication in national conference proceedings	8
Other scientific publication, presentation, performance	5

In case of co-authors, the number of credits is awarded in compliance with the share of each author. If the share is not defined, the number of credits is divided by the number of authors.

Compulsory Options

Code	Course	Credit Points ECTS	Format L+S	Type of Exam	Recomm. Semester
FES/ADAMI	Data Modelling	10	12-0	ex	
FES/AESY	Expert Systems	10	12-0	ex	
FES/AGIS	Geographic Information Systems	10	12-0	ex	
FES/AIZMI	Information and Knowledge-Based Management	10	12-0	ex	
FES/ANKPI	Communication Protocol Design	10	12-0	ex	
FES/APMDI	Advanced Methods of Data Mining	10	12-0	ex	
FES/APSPI	Usability of Software Products	10	12-0	ex	
FES/APRII	Project Management of Information System Implementation and Innovation	10	12-0	ex	
FES/ASASI	System Analysis and System Design	10	12-0	ex	
FES/ATDS	Theory of Distributed Database Systems	10	12-0	ex	
FES/ATZI	Theory of Information and Data Security	10	12-0	ex	
FES/AUVI	Artificial and Computational Intelligence	10	12-0	ex	
FES/AVES	Public Economics and Administration	10	12-0	ex	
FES/AVSIS	Selected Chapters from Information Systems	10	12-0	ex	

Students choose at least two compulsory options.

Optional Courses

Code	Course	Credit Points ECTS	Format L+S	Type of Exam	Recomm. Semester
FES/AAIN	Ambient Intelligence	10	12-0	ex	
FES/AEVA	Evolutional Algorithms	10	12-0	ex	
FES/AFMAI	Fuzzy Methods and Application	10	12-0	ex	
FES/AKMMI	Quantitative Methods in Managerial Decision-Making	10	12-0	ex	
FES/ALSRI	Logistic Systems of Enterprise Management	10	12-0	ex	
FES/AMMSI	Multi-Agent Models and Social Simulation	10	12-0	ex	
FES/AMMMI	Modern Managerial Methods	10	12-0	ex	

FES/ATZTI	Knowledge and Technology Transfer	10	12-0	ex	
FES/AVPO	Selected Issues from Enterprise Organization and Management	10	12-0	ex	
FES/AVPRI	Selected Problems of Innovation Management	10	12-0	ex	
FES/AVSM	Selected Chapters from Marketing	10	12-0	ex	
FES/AVPM	Selected Issues from Knowledge-Based Management	10	12-0	ex	

A special optional course recommended: Internship

Internship is a student's stay at a prestigious university or scientific-research workplace to deepen student's scientific and methodological knowledge related to a doctoral thesis theme.

Students in full-time form of study:

Compulsory Courses

Code	Course	Credit Points ECTS	Format L+S	Type of Exam	Recomm. Semester
FES/APPS1	Pedagogical Activities	5	0-0	a	WS/1
FES/APPS2	Pedagogical Activities	5	0-0	a	SS/1
FES/APPS3	Pedagogical Activities	5	0-0	a	WS/2
FES/APPS4	Pedagogical Activities	5	0-0	a	SS/2
FES/APPS5	Pedagogical Activities	5	0-0	a	WS/3
FES/APPS6	Pedagogical Activities	5	0-0	a	SS/3

Students in part-time form of study:

Optional Courses

Code	Course	Credit Points ECTS	Format L+S	Type of Exam	Recomm. Semester
FES/APPS1	Pedagogical Activities	5	0-0	a	WS/1
FES/APPS2	Pedagogical Activities	5	0-0	a	SS/1
FES/APPS3	Pedagogical Activities	5	0-0	a	WS/2
FES/APPS4	Pedagogical Activities	5	0-0	a	SS/2

FES/APPS5	Pedagogical Activities	5	0-0	a	WS/3
FES/APPS6	Pedagogical Activities	5	0-0	a	SS/3

Students choose the pedagogical activity in each semester or at least one course from the group of Optional Courses per whole doctoral study.

Students choose a certain number of courses to gain the total number of 180 credit points for the whole doctoral study.

Compulsory courses for Final State Exam

Code	Course	Credit Points ECTS	Format L+S	Type of Exam	Recomm. Semester
FES/AZEKO	Economics	0	0-0	state exam	SS/3
FES/AZIVS	Informatics in Public Administration	0	0-0	state exam	SS/3

Explanatory notes:

Format

Indicates the teaching format of the subject i.e. the number of lectures (L) and seminars (S) per semester.

Credit Points

Indicates the number of credit points appointed to each course upon its completion. A total of 180 credit points is required to complete successfully the Doctoral study programme.

Type of Exam

Explains the form of a course assessment. The following two types of assessment are recognized:

a – assignment

ex – examination (written and/or oral examination)

SS = summer semester

WS = winter semester

doc. = Assoc. Prof. in Czech