

Study programme:	System Engineering and Informatics
Study specialization:	Informatics in Public Administration
Type of study / Form of study:	doctoral / full-time and part-time
Limit of credits:	240 ECTS credits
Standard length of study:	4 years
Validity of study plans:	from the academic year 2019/2020

Compulsory courses

<i>Code</i>	<i>Course</i>	<i>ECTS credits</i>	<i>Format l-s</i>	<i>Type of exam</i>	<i>Recom. semester</i>
FES/EVOE	Selected Issues of Economic Theory	20	12-12	ex	
FES/EMEVI	Methodology of Science	20	8-4	ex	
FES/ESMM	Statistical and Mathematical Methods in Management	20	8-4	ex	
FES/EOTS	General Systems Theory	20	8-4	ex	

Credit evaluation of scientific-research activities (publications):

Publication in a journal with IF factor in Q1 and Q2 (indexed at WoK)	40
Book monographic publication (outside the Czech and Slovak Rep.)	30
Publication in a journal with IF factor in Q3 and Q4 (indexed at WoK)	30
Publication in the Scopus journal with SJR in Q1 and Q2	25
Publication in a journal registered in the ESCI WoK database	25
Publication in the Scopus journal with SJR in Q3 and Q4	20
Book monographic publication (inside the Czech and Slovak Rep.)	20
Publication in an index conference proceeding (WoK, Scopus)	15
Teaching text, text book/script	10
Publication in a reviewed non-index journal	8
Other scientific publication, presentation, performance (non-index conferences in Scopus or WoK databases, scientific journals etc.)	5

In case of co-authors, the number of credits is stipulated 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. If a co-author is represented by a supervisor, the supervisor is excluded from sharing.

Compulsory options profiling the IPA specialization

<i>Code</i>	<i>Course</i>	<i>ECTS credits</i>	<i>Format l-s</i>	<i>Type of exam</i>	<i>Recom. semester</i>
FES/EMDDS	Data Modelling for Database Systems	10	4-8	ex	
FES/ETZI	Theory of Information and Data Security	10	4-8	ex	
FES/EUVI	Artificial and Computational Intelligence	10	4-8	ex	
FES/EVES	Public Economics and Administration	10	4-8	ex	

Students choose two of the compulsory options.

Optional courses

<i>Code</i>	<i>Course</i>	<i>ECTS credits</i>	<i>Format l-s</i>	<i>Type of exam</i>	<i>Recom. semester</i>
FES/EVSM	Selected Chapters from Marketing	5	4-4	ex	
FES/EVPRI	Selected Issues of Innovation Management	5	4-4	ex	
FES/EKVVV	Commercialization and Research Results	5	4-4	ex	
FES/EVPM	Selected Problems of Knowledge Management	5	4-4	ex	
FES/EEKO	Econometry	5	12-0	ex	
FES/EMTPR	Modern Technologies for Decision Making Support	5	4-8	ex	
FES/EAIN	Ambient Intelligence	5	0-8	ex	
FES/EFMAI	Fuzzy Methods and their Applications	5	4-4	ex	
FES/EPMDI	Advanced Methods of Data Mining	5	4-4	ex	
FES/EGIS	Geographic Information Systems	5	4-4	ex	
FES/EESY	Expert Systems	5	4-4	ex	
FES/EEGO	e-Government	5	4-4	ex	

Students choose such number of optional courses to gain at least 180 ECTS credits in order to submit an application for the state doctoral exam. The minimum of 240 ECTS credits is required to complete successfully the doctoral study. Extra credits can be achieved based on fulfilment of other activities (please see below).

Internship requirements

Students are committed to experience an internship within the first three years of study. It can be held at a prestigious foreign university or a scientific-research institution for a minimum length of one month. The length of internship can be divided into several parts with a minimum length of one week. Internship can be performed by outgoing stay at an institution, participation in an European scientific project or other form of direct participation in international collaboration. Based on such activity, students gain from 20 to 60 ECTS credits. A certain number of credits is appointed by a particular vice-dean, based on submitted relevant documents.

Other study duties

1. Pedagogical activities

Full-time students are required to perform pedagogical activities in the number 2-4 hours per week in a semester during two semesters, usually within the first two years of study. The number of hours will be stipulated by a supervisor upon an agreement with a head of an institute/department. Part-time students can perform pedagogical activities optionally.

Pedagogical activity is evaluated by 5 ECTS credits for 2 hours per week in a semester.

2. State doctoral exam

Compulsory courses

<i>Code</i>	<i>Course</i>	<i>ECTS credits</i>	<i>Format l-s</i>	<i>Type of exam</i>	<i>Recom. semester</i>
FES/ EZIVS	Informatics in Public Administration	0	0-0	Sdo	SS/3
FES/EZEKO	Economics	0	0-0	Sdo	SS/3

3. Defence of a dissertation (PhD thesis)

A prerequisite to apply for defence of a dissertation is a list of publications (at least one single-author publication is required in a journal with a non-zero impact factor, or two single-author publications with a non-zero SJR index; in case of co-authors, the shares are summarized; if a co-author is represented by a supervisor, the supervisor is excluded from sharing).

A student will obtain 40 ECTS credits upon submitting a final version of a dissertation at a study department.

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.

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)

Sdo – state doctoral exam

SS = summer semester

WS = winter semester