

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>	<i>Lecturer</i>
FES/EVOE	Selected Issues of Economic Theory	20	12-12	ex		Assoc. Prof. Provozničková Assoc. Prof. Volejníková
FES/EMEVI	Methodology of Science	20	8-4	ex		Prof. Stejskal
FES/ESMM	Statistical and Mathematical Methods in Management	20	8-4	ex		Prof. Munk
FES/EOTS	General Systems Theory	20	8-4	ex		Assoc. Prof. Křupka

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>	<i>Lecturer</i>
FES/EMDDS	Data Modelling for Database Systems	10	4-8	ex		Assoc. Prof. Šimonová
FES/ETZI	Theory of Information and Data Security	10	4-8	ex		Assoc. Prof. Hub
FES/EUVI	Artificial and Computational Intelligence	10	4-8	ex		Prof. Hájek
FES/EVES	Public Economics and Administration	10	4-8	ex		Assoc. Prof. Provazníková

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>	<i>Lecturer</i>
FES/EVSM	Selected Chapters from Marketing	5	4-4	ex		Assoc. Prof. Šimová
FES/EVPRI	Selected Issues of Innovation Management	5	4-4	ex		Assoc. Prof. Rydvalová
FES/EKVVV	Commercialization and Research Results	5	4-4	ex		Prof. Němeček
FES/EVPM	Selected Problems of Knowledge Management	5	4-4	ex		Assoc. Prof. Antlová
FES/EEKO	Econometry	5	12-0	ex		Assoc. Prof. Marešová
FES/EMTPR	Modern Technologies for Decision Making Support	5	4-8	ex		Dr. Ponce
FES/EAINA	Ambient Intelligence	5	0-8	ex		Prof. Mikulecký
FES/EFMAI	Fuzzy Methods and their Applications	5	4-4	ex		Dr. Ponce
FES/EPMDI	Advanced Methods of Data Mining	5	4-4	ex		Assoc. Prof. Petr
FES/EGIS	Geographic Information Systems	5	4-4	ex		Prof. Komárková
FES/EESY	Expert Systems	5	4-4	ex		Prof. Hájek
FES/EEGO	e-Government	5	4-4	ex		Prof. Čapek

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.

Explanatory notes

code

= *course abbreviation*

format l-s

= *lectures - seminars*

type of exam: ex, Sdo

= *examination , state doctoral exam*

recom.semester / year

= *recommended semester / year to take the course*

WS / SS

= *winter semester / summer semester*