

**MINISTRY OF EDUCATION AND SCIENCE OF KYRGYZ REPUBLIC
KYRGYZ-GERMAN INSTITUTE OF APPLIED INFORMATICS**



**Individual curriculum
(Kyrgyz-German)**

Training programme: Informatics
 Academic degree: Master of Sciences, Msc.
 Duration of training: 2 years
 Type of training: full-time, evening programme
 Master:

«International Software System Engineering»
 «Software Entrepreneurship»

1 semester							
Nr. of the module	Name of the module	ECTS	Academic hour per semester				
			Total	Lecture	Seminar	Pragctice / lab	Self-study / with supervisor
AIN2-001	German 1	6	6		6		
AIN2-004	Agile Project Management	2	2	1		1	
BIN2-001	Introduction to business administration & economics	4	4	2	1		1
AIN2-005	Enterprise Application Development	6	6	2		2	2
BIN2-002	Technology & business modelling	4	4	2	1		1
	1 elective module from catalogue 1	4	4	2		1	1
	Major modules	4	4				
	Total	30	30	9	8	4	5
Major modules «International Software System Engineering»							
AIN2-006	Geo Data Processing	4	4	2		2	
Major modules «Software Entrepreneurship»							
BIN2-003	Management	4	4	2	2		

2 semester							
Nr. of the module	Name of the module	ECTS	Academic hours per semester				
			Total	Lecture	Seminar	Practice / lab	Self-study / with supervisor
AIN2-002	German 2	6	6		6		
AIN2-007	System Specification and Requirements Management	4	4	2		1	1
AIN2-008	Enterprise Application Development	4	4	2		1	1
	1 elective module from catalogue Nr. 2	4	4				
	Major modules	12	12				
	Total	30	30	4	6	2	2
Major modules «International Software System Engineering»							
AIN2-010	Mobile Systems	4	4	2		1	1
AIN2-011	Project Module AIN-1: System Development	8	8	2		4	2
Major modules «Software Entrepreneurship»							
BIN2-004	Project Modul BIN-1: Start up Coaching 1 - Business modelling	8	8	2	4		2
BIN2-006	Finance & accounting	4	4	2	1		1

3 semester							
Nr. of the module	Name of the module	ECTS	Academic hours per semester				
			Total	Lecture	Seminar	Practice / lab	Self-study / with supervisor
AIN2-003	German 3	6	6		6		
AIN2-012	Project Module AIN-2: System Maintenance	4	4	1		2	1
AIN2-013	Business processes in software development	4	4	2		2	
BIN2-007	Business plan	4	4	2		1	1
	Major modules	12	12				
	Total	30	30	5	6	5	2
Major modules «International Software System Engineering»							
AIN2-014	Parallel Systems	6	6	2		2	2
AIN2-015	Big Data	6	6	2		2	2
Major modules «Software Entrepreneurship»							
BIN2-005	Project module BIN-2: Start up Coaching 2 - Business plan & launch	4	4	2	2		
BIN2-008	Legal aspects	4	4	2	2		
BIN2-009	Big Data (no programming exercises)	4	4	2	2		

4 semester							
Nr. of the module	Name of the module	ECTS	Academic hours per semester				
			Total	Lecture	Seminar	Practice / lab	Self-study / with supervisor
AIN2-016	Master project	28	28				
AIN2-017	Master Seminar	2	2	1		1	
	Total	30	30	1		1	



Rector INAI.KG

Omurov N. K.

Catalogues of selective modules

Training programme: *Informatics*

Master:

«International Software System Engineering»,
«Software Entrepreneurship»

Catalogue of selective modules Nr. 1							
Nr. of the module	Name of the module	ECTS	Academic hours per semester				
			Total	Lecture	Seminar	Practice / lab	Self-study / with supervisor
AIN2-018	Data Warehouse Systeme	4	4	2		1	1
AIN2-019	Development of application systems	4	4	2		1	1
AIN2-020	Modern script languages	4	4	2		1	1

Catalogue of selective modules Nr. 2							
Nr. of the module	Name of the module	ECTS	Academic hours per semester				
			Total	Lecture	Seminar	Practice / lab	Self-study / with supervisor
AIN2-009	Strategic Information Management / Project Management	4	4	2		1	1
AIN2-021	Global Business and Communication in English	4	4		4		
AIN2-022	Intercultural Communication in English	4	4		4		