

**ISMA Course Catalogue
2021/2022**
for International Students
(degree and Erasmus+)

Master of Computer Systems

Please note the catalogue's purpose is informative only. Some subject's names, ECTS and codes may be changed during the study year. Some subjects may be moved from one semester to another. Some lectures could be cancelled due to insufficient amount of students in group.

Master students in order to expand their course can get an individual plan of studies and to join courses delivered for Bachelor students. In this case these elected subjects will also be reflected at a Transcript of Records.

Orientation meeting with ISMA coordinator is compulsory.

ISMA will inform the student about possible changes and according alternatives will be offered. Changes in Learning Agreement will be done then.

ISMA International Relations department erasmus@isma.lv

Semester	Course Code	Course Name ENG	ECTS
1 (Autumn semester)	IN4009	High-effective TCP/IP Computer Networks Technologies	3
1 (Autumn semester)	IN4006	Computer Security Principles and Technologies	6
1 (Autumn semester)	IN4029	Data Warehouses	3

1 (Autumn semester)	EK4024	Information Technologies and Systems Marketing	3
1 (Autumn semester)	IN0690	Logic Programming (Prolog)	3
1 (Autumn semester)	IN4028	Artificial Intelligent Algorithms	6
1 (Autumn semester)	IN4003	System Approach to Computer System Design	6
2 (Spring semester)	IN0687	Security of Computer Networks	6
2 (Spring semester)	IN4037	2D- and 3D- Computer Graphics	6
2 (Spring semester)	IN4022	Object-Oriented Programming	6
2 (Spring semester)	IN4008	Personal Wireless Communication Systems	6
2 (Spring semester)	IN0688	System Dynamics and Computer Experiments and Modelling Technologies	6
2 (Spring semester)	IN4007	WEB Programming	6
2 (Spring semester)	HU4005	Philosophy of Science Development	6
3 (Autumn semester)	IN4013	Database Systems Projection	3
3 (Autumn semester)	IN4012	E-Business Technologies Models and Efficiency	3
3 (Autumn semester)	IN0691	IoT (Internet of Things)	3
3 (Autumn semester)	IN4004	Operating Systems Concepts	6
3 (Autumn semester)	IN0686	WEB Application Security Fundamentals	6