Open Informatics

a computer science program bachelor and master

guarantor: prof. Michal Pěchouček

Study program Open Inforatics at FEE

- interdisciplinary (close to robotics, embedded systems, ...)
- connected to world class research
- students may participate on bleeding edge projects
- connected to many companies around the globe
- courses, textbook, tools ... compatible with top US, EU or Asia universities

Bachelor

- Computer and Information Science
- Computer Systems
- Software Systems
 Minors:
- Mathematics
- Computer Graphics
- Embedded Systems
- Artificial Intelligence
- Economics, ...

	1 (winter)	AE0B01LAG 4p+2s Linear Algebra	AE4B01DMA 2p+2s Discrete mathematics	AE0B36PR1 2p+2c Programming 1	AE4B99RPH 1p+3c Solving problems and other games	Humanistic, economy, management courses
	2 (summer)	AE4B01MA2 4p+2s Calculus	AE0B01LGR 3p+2s Logic and Graph Theory	AE0B36PR2 2p+2c Programming 2	AE4B33ALG 2p+2c Algorithms	Humanistic, economy, management courses
	3 (winter)	AE0B01PSI 4p+2s Probability, Statistics, and Theory of Information	AE4B01JAG 2p+2s Languages, automata and grammars	AE0B35SPS 3p+2l Computer Systems Structures	AE4B33OSS 2p+2c Operating systems and networks	AE4B01NUM 2p+2c Numerical Analysis
	4 (summer)	AE4B02FYZ 2p+2l Physics for Informatics	AE0B36APO 2p+2l Computer Architectures	AE4B33DS 2p+2c Database Systems	AE4B33FLP 2p+2c Functional and Logic Programming	AE4B33ZUI 2p+2c Introduction to Artificial Intelligence
	5 (winter)	AE4B33OPT 4p+2c Optimization	AE4B33RPZ 2p+2c Pattern Recognition and Machine Learning	AE4B99SVP TBD Software or Research Project		
	6 (summer)			Humanistic, economy.		AE4B99BAP TBD
Computer and Information Science						Bachelor Project

Master program

- Artificial Intelligence
- Computer Vision and Digital Image
- Computer Graphics
- Software Engineering and Interaction
- Computer Engineering
 Minors
- Robotics
- Management
- ... (all branches)

major: Artificial Intelligence

1 (winter)	AE4M33PAL 2p+2c Advanced algorithms	AE4M33RZN 2p+2c Advanced Methods for Knowledge Representation	AE4B33RPZ 2p+2c Pattern Recognition and Machine Learning	AE4B33OPT 4p+2c Optimization	
2 (summer)	AE4M01TAL 3p+1s Theory of Algorithms	AE4M35KO 3p+2c Combinatorial Optimization	AE4M33PAH 2p+2c Planning and game playing	AE4M33BIA 2p+2c Bio Inspired Algorithms	
3 (winter)	AE4M33MAS 2p+2c Multiagent Systems	AE4M33SAD 2p+2c Machine Learning and Data Analysis			AE4M99SVP TBD Software or Research Project
4 (summer)				AE4M33AU 2p+2c Automatic Reasoning	AE4M99DIP TBD Master Thesis

Al major, Vision minor

1 (winter)	AE4M33PAL 2p+2c Advanced algorithms	AE4M33RZN 2p+2c Advanced Methods for Knowledge Representation	AE4M33DZO 2p+2c Digital image	AE4B33RPZ 2p+2c Pattern Recognition and Machine Learning	
2 (summer)	AE4M01TAL	AE4M35KO	AE4M33PAH	AE4M33BIA	AE4M33MPV
	3p+1s	3p+2c	2p+2c	2p+2c	2p+2c
	Theory of	Combinatorial	Planning and	Bio Inspired	Computer Vision
	Algorithms	Optimization	game playing	Algorithms	Methods
3 (winter)	AE4M33MAS	AE4M33SAD	AE4M33TDV	AE4M39VG	AE4M99SVP
	2p+2c	2p+2c	2p+2c	2p+2c	TBD
	Multiagent	Machine Learning	3D Computer	Computational	Software or
	Systems	and Data Analysis	Vision	Geometry	Research Project
4 (summer)				AE4M33AU 2p+2c Automatic Reasoning	AE4M99DIP TBD Master Thesis

ON OPEN INFORMATICS

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OCERA - Open Components for Embedded Real-time Applications



For Study Applicants

About Open Informatics

Is this your first time here? Learn more about reasons why study OI. If you have any questions see FAQ or do not hesitate to contact us.

Study programs

Are you familiar with our bachelor's and master's programs with a high number of facultative subjects?



Connection with industry

We combine the emphasis on theoretical knowledge with subjects taught by experts from companies such as

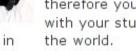
Google or Microsoft. You can participate in our projects which can later be turned into the subject of your diploma thesis.

Study abroad



The bachelor's program covers GRE requirements and therefore you can continue with your study anywhere in





http://oi.fel.cvut.cz/en/