

Master's Programme in Software and Systems Development in Global Environment

BCBU

Rovaniemi 13.-14.3.2008



Master's Degree Program in Software and Systems Development in Global Environment

- Main responsibility: Department of Information Processing Science at the University of Oulu
- Russian partners: PomorSU, KSPU, PetrSU, MSTU
- Theme is focused on Software and Systems Development in Global Environment
- Curriculum development and course planning is in progress, teaching activities are started on May 2008 with courses from UOulu and PomorSU, next courses from PetrSU, KSPU, MSTU during autumn 2008 and spring 2009
- Existing cooperation partner LUT (Luleå)
- Need to seek additional international partners from Japan (Hokkaido University)



Master's Degree Program in Software and Systems Development in Global Environment

Programme aims to increase global software and systems development competence

- By giving high standard higher education with cooperation partners from Russia, Sweden, Norway, Japan, China and other countries
 - To develop international experts to lead successfully global software projects
 - To develop international research cooperation

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Master of Science Degree in Software and System Development in Global Environment 120 cr		
Advanced studies 50 cr: Master's Thesis 35 cr, Project 10 cr, Research Methods 5 cr	50	
Advanced studies in specialization program, including compulsory (30 cr) and optional courses (15 cr) for example: International SW Business and Business Management, Global ICT Markets (Asia, Russia, Europe, USA), Law/IPR 5 cr, Data Protection and Information Security Law 5 cr, Distributed Team Management and Projects, Managing International Business Relationships, Business Applications in Networks 7 cr, Information Security Management 7,5 cr, Cross-Cultural Communication 5 cr. The exact courses will be decided later. Student may choose the optional studies also from language and culture studies. Studies can be done also in student or study exchange.	45	
Language and cultural studies 25 cr (min)		
A. Scandinavian languages and cultures (option for foreigners), for example: Orientation to Scandinavian studies, Geo-Politics and Societies in Scandinavia, A Crosscut Across Cultures, Finland from the Outside In, Arctic Cultures and Societies, Beginners' Finnish Course I + II, Swedish	25	
B. Asian language and culture, for example: Society and Politics in East and Southeast Asia, Business in East and Southeast Asia, Language and Communication in East and Southeast Asia, Basic Chinese I + II, Basic Japanese I + II, Japanese culture, other courses		
C. Russian language and culture, for example: Introduction to Russian History and Society, Dimensions of Russian Society and Politics, Basics of Russian language I+ II, Economics and Livelihood, Social and Political Issues		
Sum.	120	
Bridge studies (Finnish students) Required bridging courses depend on incoming student's bachelor degree <ul style="list-style-type: none"> • computer science, • systems science, • information technology or • business administration 	Bridge studies (Foreign students) Required bridging courses depend on incoming student's bachelor degree <ul style="list-style-type: none"> • computer science, • systems science, • information technology or • business administration • other ICT-related bachelor level degrees 	Max. 60 cr.

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Timetable



- ✓ Year 2008 – spring 2009: Planning of the master's programmes
 - ✓ UOulu has prepared application for *Master's Programme in Software and Systems Development in Global Environment to the MINEDU* in Finland
 - ✓ PomorSU applies *Master's Programme license for Informatics in Analytical Economics*
 - ✓ PetrSU, KSPU, MSTU prepare English versions on courses to be selected for cooperation
- ✓ Implementing the first courses 2008-2009
 - ✓ Mobile Internet Service Architecture, UOulu→PomorSU 5/2008
 - ✓ Introduction to ICT Market in Russia PomorSU→UOulu 9/2008
 - ✓ Other courses from partner universities
 - ✓ Testing joint teaching infrastructure and tools
- ✓ Applying financing for the programme to launch and extension activities
 - ✓ First wave: Finnish-Russian-Swedish
 - ✓ Student and teacher mobility
 - ✓ Negotiations with Hokkaido (Japan)
- ✓ Fall 2009 –Spring 2010: First academic year - Emphasis on software business studies, culture and language studies
- ✓ Spring 2010 (earliest): Internal exchange period
- ✓ Fall 2010 – Spring 2011: Second academic year - Emphasis on research courses and thesis

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Support actions to Master's programme

- Lobbying to MINEDU in Russia and Finland for licensing the programmes
- Building awareness, visibility and momentum within the participating Universities
- Searching and selection of suitable funding instruments
- Joint marketing materials

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