GS³D Master's Degree Programme

BCBU meeting

Archangelsk

23.11.2011

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Basic Information

Master's Degree Programme in Software, Systems and Services Development in Global Environment (GS³D)

✓ The Department of Information Processing Science organizes annually a two-year full-time Master's degree programme in Software, Systems and Services Development in the Global Environment (GS³D).

✓ Graduates from GS³D will have the competence to work as IS/IT consultants, business and system analysts, IS designers, software engineer or IS/IT/SE project managers in global ICT companies

✓ The programme will provide multidisciplinary knowledge of software, systems and services development in a global context.

✓ Newest application period started on November 21st, 2011 and will end on 31st of January 2012

GS³D SOFTWARE, SYSTEMS AND SERVICES
DEVELOPMENT IN GLOBAL ENVIRONMENT

GS³D Master's Degree Programme

COMPULSORY STUDIES (95 ECTS)	YEAR	CR	PERIOD
Orientation Studies for International Students	1	4	1
IT Infrastructure	1	5	1
Software Development in Global Environments	1	5	4
System Design Methods for Information Systems	1	5	1
Research Methods	1	5	2+3
ICT and Organizational Change	1	5	3
Open Source Software Development	1	4	1+2
Information Security Policy and Management in Organisations	1	5	1
Software Business and IT Management	1	5	2
Software Engineering Management, Measurement and Improvement	2	4	2
Information Systems Theory **OR** Software Engineering Research	2	7	1+2
Project in Distributed Global Context	2	11	1+2
Master's Thesis	2	30	3+4
TOTAL		**95**	

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GS³D Master's Degree Programme

OPTIONAL STUDIES (MINIMUM 25 ECTS)	YEAR	CR	PERIOD
Enterprise Systems	1.-2.	4	2
Emerging Technologies and Issues	1.-2.	4	3
Software Production and Maintenance	1.-2.	4	3
Software Quality and Testing	1.-2.	5	1
Interaction Design	1.-2.	4	3
Real Time Distributed Software Development	1.-2.	6	1+2
Embedded Software Development Environments	1.-2.	4	4
Usability Testing	1.-2.	5	3
Doing SW Business in China	1.-2.	5	4
ICT and Behaiour Change	1.-2.	5	2
TOTAL		**46**	

GS³D · SOFTWARE, SYSTEMS AND SERVICES DEVELOPMENT IN GLOBAL ENVIRONMENT

After finishing master level studies in GS³D programme a student can also :

✓ Apply existing and produce new IS and SE knowledge for organizational and software companies' needs

✓ Analyse and evaluate human activities at levels of IT use situations, work practice and organizational functioning using conceptual means and present the results of the analysis using suitable description methods

✓ Analyze and evaluate software solutions and processes from perspective of software architecture, design patterns, established capability and maturity models

✓ Evaluate the impact of the development of information technology to organizational functioning

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GS³D · SOFTWARE, SYSTEMS AND SERVICES DEVELOPMENT IN GLOBAL ENVIRONMENT

After finishing master level studies in GS³D programme a student can also :

✓ Design IT solutions that solve identified problems and improve the efficiency of organizational practices

✓ Design and construct software that satisfies specified functional and quality requirements

✓ Act efficiently in global and distributed software projects or open source community

✓ Set goals to oneself and self-steer working towards those goals

✓ Communicate clearly and analytically using techniques derived from scientific practice

✓ Skills to lead multicultural teams, projects and units

✓ Can go further with studies to PhD and participate to GS³D research groups

Student Admissions

GS³D — SOFTWARE, SYSTEMS AND SERVICES DEVELOPMENT IN GLOBAL ENVIRONMENT

- ✓ Annual student intake: 50 from which approximately 30-40 from abroad

- ✓ Selection criteria: Applicants must have successfully completed a Bachelor's level degree (180 cr, 3 years) or equivalent degree in the area of Computer Science, Systems Science, Information Technology or Business Administration

- ✓ Motivation letter, recommendation letter and grades in Bachelor degree

- ✓ Applicants must provide proof of their proficiency in English (IELTS, TOEFL, or other relevant test)
  http://www.oulu.fi/degree/language.html

- ✓ In addition to the master's programme students, also other students can attend to joint cooperation courses from all the partner institutions

- ✓ Student recruitment for Master´s Degree level has been united in the University of Oulu (http://www.degree.oulu.fi/)

Status of the programme

GS³D — SOFTWARE, SYSTEMS AND SERVICES DEVELOPMENT IN GLOBAL ENVIRONMENT

- ✓ GS³D programme **was started** on September 2010 (17 students)
- ✓ **Second student** group started the studies in September 2011
  - ✓ Number of students who started their studies was 30
  - ✓ Total number of applicants in 2011 was 154
  - ✓ The home countries of applicants are China (22), India (19), Pakistan (27), Iran (15), Bangladesh (7), Ethiopia (5), **Russia (5),** Nigeria (20), Nepal (6), Finland (4), etc.
  - ✓ But 35 applicants already live in Finland, Bachelor degree from Polytechnics
- ✓ **Third student admission** round between 21.11.2011-31.1.2012
  - ✓ Number of new students maximum 50
  - ✓ Student admission results are ready in April 2012
  - ✓ Studies during 9/2012-6/2014
  - ✓ More information: http://GS3D.Oulu.fi

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1. Towards double degree
   - Jointly recognizable studies (min. 40 credits), in progress
   - Reference IMPIT programme, see http://cs.joensuu.fi/impit/
   - Master's Degree Programmes:
     - Enterprise Information Systems (NArFU)
     - Information Technology in Education (NArFU)
     - Information Systems (PetrSU)
     - Business Informatics (PetrSU)
     - Information Technology (MSTU)
     - Computer Science and Interpretation of Data (MSTU)
2. Course exchange
   - Plan for year 2011-12: NArFU, PetrSU, Uoulu→4-6 courses
   - Coordinating curricula of partner universities: joint courses, timing, credits
   - Course descriptions in English (UOulu, PetrSU and NArFU)

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3. Promoting cooperation
   - Marketing and sharing information of programmes/courses
   - Updating information when concrete plan is ready
4. Teacher exchange
   - Planning common courses and course modules for partner Universities
   - Finding and selecting motivated teachers
   - Practicing English, pedagogical and learning technology skills (in the BCBU+ project started 11/2011)
5. Financial issues
   - Basic financing from Universities
   - Project financing (BCBU+, Erasmus Mundus, FIRST etc.)
6. Other issues
   - Recognition of studies and diploma supplement
   - Motivating and activating teachers, getting financial support
   - Better understanding of each other's interests and motivation

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GS³D SOFTWARE, SYSTEMS AND SERVICES DEVELOPMENT IN GLOBAL ENVIRONMENT

Agenda for GS³D meeting

Wednesday, February 22nd
9.00 – 10.30 Meeting of the working GS³D group ·
- ✓ Opening the WG meeting
- ✓ Accepting the agenda
- ✓ Activities made since previous meeting

10.30 - 10.50 Coffee-break , entrance hall of the Tietotalo 2
10.50 – 12.30 Meeting continues
- ✓ Discussion of prerequisites for future cooperation
- ✓ Cooperation activities between partner Universities
- ✓ Main activities for partners

12.30 – 13.30 Lunch in the university´s staff restaurant "Discus"
13.30 – 15.00 Meeting continues
- ✓ Resources and financial issues
- ✓ Concluding remarks and action points for the years 2011-2012
- ✓ Activity report of the **GS³D** to be presented for rectors 24th of February

15.00 – 15.20 Coffee served in the entrance hall of the Tietotalo 2

15.20 – 16.00 Closing the meeting