Curriculum for the Bachelor Programme in Global Business Informatics at the IT University of Copenhagen

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Background

This curriculum for the Bachelor Programme in Global Business Informatics has been drawn up by the Board of Studies at the IT University of Copenhagen (in the following referred to as the Board of Studies ITU). The curriculum has been drawn up in compliance with the current legislation governing bachelor's and master's (Candidatus) programmes at the universities.

Students enrolled in autumn 2010 and forward will study according to the curriculum.

Chapter 1

Programme Title and Objectives

Programme Title

  Section 1. A student, who has completed the programme, has the right to use the title *bachelor (BSc) i global virksomhedsinformatik*.

Subsection 2. The title in English is Bachelor of Science (BSc) in Global Business Informatics.

Programme Objectives

Section 2. The purpose of the Bachelor Programme in Global Business Informatics is to provide students with the scientific qualifications to independently analyse and work with design and IT in processes that support the participation of private and public enterprises in the global economy. The process concept is a theoretical, methodic and practical centre which is considered from technical, business and social angles. The programme combines fields within computer science, business and social sciences.

Subsection 2. Bachelors will be able to play an independent reflective role in relation to businesses' work with computer-aided process innovation and organisational implementation of IT in a global context.

Subsection 3. Bachelors are qualified to hold posts in business and industry within project management and facilitation, design and analysis of work processes, drafting of concept and action plans using traditional methods and tools, and to apply for admission to a Master of Science Programme in Information Technology.

Objectives for Learning Output

Section 3. On completion of the programme, the student must have attained the following learning output objectives. The learning output is divided into the categories knowledge, skills and competences, cf. the Danish Qualifications Framework for higher education.

Subsection 2. Knowledge and Understanding

Kowledge

The bachelor must

- have in-depth knowledge of theory, method and practice in the fields of natural and social science comprised by the programme
- have knowledge of the multidisciplinary nature of problems in relation to computer-based innovation of processes and the theory of the scientific basis for solving them.

Level of understanding and reflection

The bachelor must

- be able to understand and reflect on different scientific perceptions of process and globalisation concepts as well as their methodic and practical consequences
- be able to understand and reflect on different scientific perceptions of concepts relating to formalisation, classification, analysis and design in process innovation as well as their methodic and practical consequences
- understand current technological trends in relation to process innovation in a historic and global perspective and reflect on changing relations in work practices, gender, subjectivity, culture and technology in a global context.

Subsection 3. Skills

The bachelor must

- be able to analyse work flows and business processes for the purpose of business development, design and implementation of IT in a global context
- be able to analyse organisations, IT applications and business matters in a global perspective
- be able to identify collaboration and coordination requirements in and among virtual and other groups
- be able to use project management models and tools.

Assessment and decision

The bachelor must

- be able to assess information-related problems in intercultural processes and to design new computer-based solutions
- be able to assess the perspectives of different individuals and groups on work and organisational processes and the challenges related to improvement by using IT.

Presentation

The bachelor must
- be able to present challenges and opportunities related to computer-based process innovation between users, designers and business management in a global context
- be able to express himself or herself in writing as well as orally on social and technical subjects in multidisciplinary settings with due consideration for different target groups and their professional and cultural backgrounds.

Subsection 4. Competences

Scope

The bachelor must
- be able to use basic knowledge of the relevant process areas in analyses of businesses and organisations with respect to IT-enabled change
- be able to handle complex and development-related situations in study and work contexts as well as globally
- be able to design IT-solutions as integral elements of global work and business processes
- be able to design organisational change processes focusing on IT and global processes.

Collaboration and responsibility

The bachelor must
- be able to independently initiate collaborative work in professional and multidisciplinary settings in a professional manner
- be able to facilitate collaboration in a global context.

Learning

The bachelor must

- be able to identify his or her own learning needs and structure his or her own learning in different work and learning environments.

Chapter 2

Programme Structure, Content and Programme Language

Programme Structure

Section 4. The programme comprises mandatory study activities worth 150 ECTS points, optional study activities worth 15 ECTS points, and a bachelor project worth 15 ECTS points.

Subsection 2. The study activities listed below constitute the core elements of the programme and are worth 135 ECTS points.

- Society & Technology (15 ECTS points)
- Introduction to Programming (7.5 ECTS points)
- IT & Work Design (15 ECTS points)
- Global Project Management (7.5 ECTS points)
- Enterprise Systems & Information Management (15 ECTS points)
- IT & Business Process Modelling (7.5 ECTS points)
- Organisation & Process Theory (7.5 ECTS points)
- IT-enabled Process Improvement (15 ECTS points)
- Business Foundations (7.5 ECTS points)
- Philosophy of Science & Technology (7.5 ECTS points)
- IT, Globalisation & Culture (15 ECTS points)
- Bachelor Project (15 ECTS points)

Subsection 3. The study activities of the programme are composed of modules. A module comprises one or more study activities and related examinations.

Section 5. Each term comprises three modules: Two courses worth 7.5 ECTS points and one course with a project worth 15 ECTS points, or a large, independent project worth 15 ECTS points.

Subsection 2. The modules appear in the table below. Courses and course descriptions are published in the course database on the IT University's website by the Board of Studies in advance of each term.

Subject area	Term	15 Project Unit	7.5 Course unit	7.5 Course unit
IT & the Social Context	1	Society & Technology	IT Foundations	Media & Communication
	2	IT & Work Design	Database Design	IT Project Management
IT & the Enterprise	3	Enterprise Systems & Information Management	IT & Business Process Modelling	Organisation & Process Theory

	4	IT-enabled Process Improvement	Business Foundations	Philosophy of Science & Technology
IT & the Global World	5	IT, Globalisation & Culture	IT-enabled Supply Chain Management	Elective
	6	Bachelor Project	IT Governance & Quality Management	Elective

Section 6. Each year of study deals with an overall subject area. The overall subject for the first year of study is *IT & the Social Context,* for the second year of study *IT & the Enterprise,* and for the third year of study *IT & the Global World.*

Subsection 2. The first two terms of the programme consist of mandatory modules giving the student a thorough introduction to the foundations of IT, database design, IT project management, a socio-technical perspective on technology, practice and change, and an integrative perspective on IT and work process design. Students are also introduced to media and communication and to group and project work. The modules integrate the global aspects of the social context.

Subsection 3. The third and fourth terms of the programme consist of mandatory modules giving the student a thorough introduction to organisation theory, the philosophy of science and technology, process modelling, enterprise systems and information management in information structures, as well as IT-enabled process improvement and innovation in a global perspective.

Subsection 4. The fifth and sixth terms of the programme consist of mandatory modules dealing with themes related to IT, globalisation and culture, to IT-enabled supply chain management, and to IT governance and quality management. The terms also comprise two optional courses and the final bachelor project.

Section 7. The programme's global perspective applies to the academic contents as well as the form of study with global interaction being part of the mandatory study activities.

Study language

Section 8. The programme is conducted in English in the three years of study.

Subsection 2. Students must therefore be able to read texts in English, participate actively in teaching conducted in the English language, and write and present assignments and projects in English.

Subsection 3. Students will be trained in making presentations in oral and written English.

Subsection 4. All examinations will be conducted in English.

Chapter 3

General Rules and Miscellaneous Regulation

Section 9. Furthermore, please refer to the IT University's rules and regulation, appendix to this curriculum.

Chapter 4

Date of Commencement and Transitional Regulations

Section 10. This curriculum comes into force 1 August 2010 and applies to all students admitted to the Bachelor Programme in Global Business Informatics which starts in the autumn of 2010.

Subsection 2. When a new curriculum is published, or in the event of significant changes to this curriculum, transitional regulations will be set out in the curriculum as appendix.

Revision approved by the Board of Studies 21 March 2018.

Approved by Vice Chancellor Mads Tofte 3 May 2018.