

Pre-approved Courses 2020

IT-University of Copenhagen

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The purpose of this document is to provide an overview of which courses it is possible to take, when studying abroad or at other universities in Denmark.

Please note that we cannot guarantee that your courses will be approved as listed. Each application for approval must be documented as described at ITU Student, and each application will be assessed individually.

Please also note that the courses are not always listed so that the course at the host university is equivalent to the ITU course regarding ECTS weight. Therefore, you might need to apply for more courses to cover an ITU-course.

1. BSc Global Business Informatics

BSc Global Business Informatics				
Edith Cowan University, Australia	Elective	7,5 ECTS	Introduction to Mobile App Development Cyber Security	7,5 ECTS 7,5 ECTS
	IT Enabled Supply Chain Management	7,5 ECTS	Supply Chain Management	7,5 ECTS
	IT, Globalization & Culture	15 ECTS	International Management Globalisation, Cultural Diversity and Innovation	15 ECTS
International Management International Business			15 ECTS	
University of Newcastle, Australia	Elective	7,5 ECTS	Social and Interactive Media Digital and Social Media Marketing Human-Computer Interaction Business Development and Growth Business Analysis	
	IT Governance and Quality Management	7,5 ECTS	System and Network Security Strategic Business Management	
Dalarna University, Sweden	Elective	7,5 ECTS	Introduction to Relational Databases	7,5 ECTS
Linnaeus University, Sweden	Elective	7,5 ECTS	Starting out with Java Current Topic within Infomatics	7,5 ECTS 7,5 ECTS
Lund University, Sweden	Elective	7,5 ECTS	Business Administration: Management Control	7,5 ECTS
Boston University, USA	Elective	7,5 ECTS	Database Design and Implementation for Business Programming with Java	7,5 ECTS 7,5 ECTS
	IT Enabled Supply Chain Management	7,5 ECTS	Operations Management	7,5 ECTS
	IT, Globalization and Culture	15 ECTS	The Innovation Process: Developing New Products	7,5 ECTS
Services and International Business Management			7,5 ECTS	
California State University Long Beach, USA	IT, Globalization & Culture	15 ECTS	IT, Globalization & Culture	7,5 ECTS
			Critical Thinking in the Digital Information Age	7,5 ECTS
			Managing Information Systems	7,5 ECTS
			Systems Analysis and Design	7,5 ECTS
	IT-Enabled Supply Chain Management	7,5 ECTS	Production Control	7,5 ECTS
			Systems analysis and Design	7,5 ECTS
Elective	7,5 ECTS	Critical Thinking in Digital Age	7,5 ECTS	
		Managing Information Systems	7,5 ECTS	
		Production control	7,5 ECTS	
		Systems analysis and design	7,5 ECTS	
Elective	7,5 ECTS	Object oriented programming and data structures	7,5 ECTS	
		Digital logic and assembly	7,5 ECTS	
		Critical thinking in digital age	7,5 ECTS	
		Database management	7,5 ECTS	
			Business application programming	7,5 ECTS

University of California, USA	IT, Globalization & Culture	15 ECTS	Behind the Data: Humans and Values Intro to International Business Information Law and Policy Information Technology, Economics, Strategy and Policy	3 units 3 units 2 units 3 units
	IT-enabled Supply Chain Management	7,5 ECTS	Principles of Business Supply Chain and Logistics Management	3 units 3 units
	Elective	7,5 ECTS	Introduction to Finance Introduction to Microeconomics Information Law and Policy	4 units 3 units 2 units
Hawaii Pacific University	Elective	7,5 ECTS	Marine Biology & Global Oceans The Sustainability Challenge	3,75 ECTS 3,75 ECTS
	IT, Globalization & Culture	15	Intercultural Communication IT Infrastructure	7,5 ECTS 7,5 ECTS
	IT-Enabled Supply Chain Management	7,5	Global Dist & Supply Chain Mktg	7,5 ECTS

2. BSc Digital Design and Interactive Technologies

BSc Digital Design and Interactive Technologies				
University of Technology, Australia	Designing Sustainable Futures	7,5 ECTS	Complexity and Sustainable Futures	7,5 ECTS
	Network Society	7,5 ECTS	Introduction to Data Analytics	7,5 ECTS
Georgia Tech, USA	Elective	7,5 ECTS	Construction of The Moving Image	7,5 ECTS
Hanyang University, Seoul, South Korea	Elective	7,5 ECTS	Web Systems Programming 1	6 Credits
			Computer Graphics	6 Credits
Film and Video Graphic Design 1			4 Credits	
VR AR DESIGN			6 Credits	
Furniture Design and Digital Fabrication			6 Credits	
Digital Media and Design	6 Credits			
Hanyang University, Seoul, South Korea	Network society	7,5 ECTS	AI Application design/ Data science fundamentals	4 ECTS
			Principles of Programming Languages	6 ECTS

3. BSc Software Development

BSc Software Development				
Hanyang University, South Korea	Business Processes and Organization	15 ECTS	IT and Business Strategy Organization Theory International Business	6 Credits 6 Credits 6 Credits
	Operating Systems and C	7,5 ECTS	C++ Programming Micro-Processor Applications Introduction to Embedded Systems	6 Credits 6 Credits 6 Credits
	Programs as Data	7,5 ECTS	Compilers	6 Credits
	Elective	7,5 ECTS	Computer Graphics	6 Credits
	Functional Programming	7,5 ECTS	Principles of programming Languages C Programming	6 Credits 6 Credits
	Systemudvikling og Projektorganisering	7,5 ECTS	Information System Analysis ERP SYSTEM	6 Credits 6 Credits
	Softwareudvikling i større grupper	7,5 ECTS	New Venture Creation Love in deed and truth Introduction to Engineering Design Korean Speaking and Writing	6 Credits 4 Credits 6 Credits 6 Credits
Boston University, USA	Business Processes and Organization	15 ECTS	Entrepreneurial Management: Starting, Innovating, and Managing Small-, Medium-, and Large-sized Ventures IT Project Management	7,5 ECTS 7,5 ECTS
	Operating Systems and C	7,5 ECTS	Operating Systems	7,5 ECTS

4. BSc Data Science

BSc Data Science				
Hanyang University, South Korea	Software Development and Engineering	7,5 ECTS	Software Engineering	7,5 ECTS
	Operating Systems and C	7,5 ECTS	Micro-Processor Applications C++ Programming	3,25 ECTS 3,25 ECTS
	Technical Communication	7,5 ECTS	IT Project Management	7,5 ECTS
	Security and Privacy	7,5 ECTS	Computer Security	7,5 ECTS
Lees-McRae College, North Carolina, USA	Elective	7,5 ECTS	BUS 101 – Introduction to Business CLA 199 – First Year Seminar	3,75 ECTS 3,75 ECTS

5. MSc Digital Innovation and Management

MSc Digital Innovation and Management				
Queensland University of Technology, Australia	Cross-disciplinary teamwork	7,5 ECTS	Enterprise Business Process Management	7,5 ECTS
			Self Leadership	7,5 ECTS
			Contemporary Strategic Analysis	7,5 ECTS
			Management Theory and Practice	7,5 ECTS
			Databases	3,75 ECTS
			Rapid Web Development	3,75 ECTS
			Systems in Project Management	7,5 ECTS
			Developing Entrepreneurial Mindsets	7,5 ECTS
	Organisational Change	7,5 ECTS	Developing Entrepreneurial Mindsets	7,5 ECTS
			Business Process Analytics	7,5 ECTS
Individual Specialisation	22,5 ECTS	Data Exploration and Mining	7,5 ECTS	
		Advanced Business Analysis	7,5 ECTS	
		Big Data Processes (ITU)	7,5 ECTS	
		Developing Entrepreneurial Mindsets	7,5 ECTS	
		Economics and Data Analysis	7,5 ECTS	
		Big Data Processes (ITU)	7,5 ECTS	
		Developing Entrepreneurial Mindsets	7,5 ECTS	
		Managing in a Globalised Economy	7,5 ECTS	
Service Economics (ITU)	7,5 ECTS			
University of Montpellier, France	Cross-Disciplinary Teamwork	7,5 ECTS	European Culture	3 ECTS
			Business Game	3 ECTS
			International Strategy	3 ECTS
	Organizational Change	7,5 ECTS	Organizational Theory	3 ECTS
			International Strategy	3 ECTS
	Theory of the Firm	3 ECTS		
Individual Specialisation	22,5 ECTS	Big Data	3 ECTS	
		Technologies Management	3 ECTS	
		Innovation Management	6 ECTS	
		Big Data Processes (ITU)	7,5 ECTS	
Reykjavik University, Iceland	Organisational Change	7,5 ECTS	Change Management and Leadership	7,5 ECTS
	Cross-Disciplinary Teamwork	7,5 ECTS	Advanced Topics in Emerging Technologies	7,5 ECTS
	Elective	7,5 ECTS	Sustainable Leadership	3,75 ECTS
Victoria University of Wellington, New Zealand	Organizational Change	7,5 ECTS	Organizational Behaviour	7,5 ECTS
			Digital Entrepreneurship and Innovation	7,5 ECTS
	Individual Specialisation	22,5 ECTS	Innovation and Change Management	7,5 ECTS
			Global Strategy	7,5 ECTS
Big Data Processes (ITU)	7,5 ECTS			

Autonomous University of Madrid, Spain	Cross Disciplinary Teamwork	7,5 ECTS	International Marketing	6 ECTS
	Individual Specialisation	22,5 ECTS	Organization and Management of Technical Innovation	5 ECTS
			Quantitative techniques for research in Political Science	6 ECTS
			Methods for the Study of Public Administration and Policies	6 ECTS
			The Digital State (ITU)	7,5 ECTS
Regent's University, UK	Organisational Change	7,5 ECTS	Entrepreneurship & Innovation	5 ECTS
	Cross-Disciplinary Teamwork	7,5 ECTS	Leadership	10 ECTS
	Individual Specialisation	22,5 ECTS	Web Marketing & Analytics	5 ECTS
Innovation & Technology			10 ECTS	
Big Data Processes (ITU)			7,5 ECTS	
Boston University, USA	Cross-Disciplinary Teamwork	7,5 ECTS	Project Management	7,5 ECTS
	Organizational Change	7,5 ECTS	Agile Project Management	7,5 ECTS
	Individual Specialisation	22,5 ECTS	Innovare Marketing Techniques	7,5 ECTS
The Innovation Process: Developing New Products and Services			7,5 ECTS	
Introduction to Service Design (ITU)			7,5 ECTS	

6. MSc Digital Design and Interactive Technologies

MSc Digital Design and Interactive Technologies				
University of Technology, Australia	Management of Creative Projects	7,5 ECTS	Project Management Innovation, Creativity and Entrepreneurship	7,5 ECTS 7,5 ECTS
	Cross Disciplinary Teamwork	7,5 ECTS	Project Management Product Innovation Management Problem Solving, Creativity and Solution Setting	7,5 ECTS 7,5 ECTS 7,5 ECTS
	Individual Specialisation	22,5 ECTS	Human-centered Design Methods Storytelling and Sense-making Studio UX Design I (ITU)	7,5 ECTS 7,5 ECTS 7,5 ECTS
Kyoto University, Japan	Individual Specialisation	22,5 ECTS	Information System Design Practice of Information System Information System Analysis Designing Interactions (ITU)	4 ECTS 4 ECTS 4 ECTS 7,5 ECTS
Vrije Universiteit, Netherlands	Cross Disciplinary Teamwork	7,5 ECTS	Design, Culture and Society	6 ECTS
	Management of Creative Processes	7,5 ECTS	Digital Innovation: New Ways of Organizing and Working	6 ECTS
	Individual Specialisation	22,5 ECTS	Methods of Design Analysis: The Meaning of Design Seminar Contemporary UX Design I (ITU)	9 ECTS 9 ECTS 7,5 ECTS
Malmö University, Malmö, Sweden	Elective	15 ECTS	Design and Social Innovation Play and Ludic Interaction Values in Design	15 ECTS 15 ECTS 15 ECTS
	Cross Disciplinary Team Work	7,5 ECTS	Elective	7,5 ECTS
	Individual Specialisation	15 ECTS	Embodied Interaction	15 ECTS

7. MSc Software Design

University of California, Berkeley, USA	Elective + Research Project	7,5 ECTS	Principles & Techniques of Data Science The Beauty and Joy of Computing Introduction to Artificial Intelligence	7,5 ECTS 7,5 ECTS 7,5 ECTS
	Elective	7,5 ECTS	Artificial Intelligence	7,5 ECTS
	Research Project	7,5 ECTS	Natural Language Processing	7,5 ECTS
The Polytechnic University of Milan, Italy	Elective	7,5 ECTS	Algebra and Mathematical Logic Computer Graphics	5 ECTS 5 ECTS
	Individual Specialisation	7,5 ECTS	Hypermedia Applications (Web and Multimedia) Digital Innovation Lab	5 ECTS 5 ECTS
Bahçeşehir University, Istanbul, Turkey	Individual Specialisation	15 ECTS	Machine Learning and Pattern Recognition Project	12 ECTS 3 ECTS

8. MSc Computer Science

MSc Computer Science				
Politecnico di Milano, Italy	Cross-Disciplinary Team Work	7,5 ECTS	Computer Ethics Individual Project (ITU)	5 ECTS 2,5 ECTS
	Individual Specialisation	22,5 ECTS	Soft Computing Autonomous Agents and Multiagent Systems Recommender Systems Modelling Systems and Languages (ITU)	5 ECTS 5 ECTS 5 ECTS 7,5 ECTS
Higher School of Economics, Moscow, Russia	Elective	7,5 ECTS	Data Analysis and Visualization Data Analysis in Python Data Visualization Mathematical Thinking in Computer Science Analysis of Algorithms Cloud Computing Digital Interactive Products Development	3 ECTS 3 ECTS 4 ECTS 3 ECTS 3 ECTS 4 ECTS 4 ECTS
Kyoto University, Kyoto, Japan	Linear Algebra and Probability	7,5 ECTS	Linear Algebra with Exercises	5 ECTS
	Computer Systems Performance	7,5 ECTS	Theory of Computational Complexity Distributed Information Systems	5 ECTS 5 ECTS
	Natural language processing and deep learning	7,5 ECTS	Conversational Informatics Language Information Processing	5 ECTS 5 ECTS
	Introduction to machine learning	7,5 ECTS	Computational Learning Theory	5 ECTS

9. MSc Games

MSc Games				
Queensland University of Technology, Australia	Data-driven Design and Development	7,5 ECTS	Data Exploration and Mining	7,5 ECTS
	Specialisation Course	7,5 ECTS	Text, Web and Media Analytics	7,5 ECTS
	Elective	7,5 ECTS 7,5 ECTS	Web and Mobile Application Development Network Systems	7,5 ECTS 7,5 ECTS
Edinburgh Napier University, Scotland	Elective	7,5 ECTS	Sound Design for Interactive Media	7,5 ECTS
Cagliari University, Italy	Cross Disciplinary Team Work	7,5 ECTS	Elective	7,5 ECTS