# Pre-approved Courses 2021

### 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					
Foreign university	ITU course name	ECTS	Credit course name	ECTS	
			The Sustainabillity Challenge	6	
	Elective (Managing Sustainability)	7,5	Marine Biology & Global Oceans	6	
			The Sustainabillity Challenge	6	
Hawaii Pacific University, Hawaii, USA	IT, Globalisation and Culture	15	Information Tools for Business	6	
	11, Giobalisation and Culture	13	Intercultural Communication	6	
			IT Infrastructure	6	
	IT-Enabled Supply Chain	7,5	Small Business Management	6	
	Management	7,5	International Marketing	6	
	Elective	7,5	Geospatial Intelligence	6	
			Data Analysis	6	
			Market Research	6	
			Personal Development	2	
	IT, Globalisation and Culture	15	Organizations Behavior	4	
Nova University Information	TT, Globalisation and Culture		IT Governance and Service Management	6	
Management School, Lisbon,			Organizations Behavior	4	
Portugal			Market Research	6	
	IT-Enabled Supply Chain Management	7,5	Artificial Intelligence	6	
			Information Technologies Hardware and Software	5	
			Business Process Management	6	
	Elective (Digital Data Analysis)	7,5	Data Analysis	6	
	Elective	7 5	Strategic Marketing	3	
	Elective	7,5	Decision Psycology	3	
			Intercultural Management	3	
			International Marketing Mix	3	
	IT, Globalisation and Culture	15	International Negotiation	3	
University of Montpellier	11, Globalisation and Culture	13	Psychosociology	3	
University of Montpellier, France			Introduction to Finance and International Budgeting	3	
			International Distribution and Sales	3	
	IT-Enabled Supply Chain	7,5	Export Strategy	3	
	Management	,-	World Economy	3	
			Introduction to Finance	3	

-	Elective	7,5	3D Modelling for Objects and Environments	12,5
	Business Foundations	7,5	Innovative Business Practice	12,5
Swinburne Univeristy of Technology, Sarawak,			Information Technology Project Management	12,5
Malaysia	Enterprise System Information Management	15	Introduction to Business Information Systems	12,5
			Information Systems Risk and Security	12,5
	Elective		Sustainable Operations	7,5
		7,5	Sustainable Digital Cities	7,5
			Climate Change: Global and Local Solutions	7,5
			Doing Business with Artificial Intelligence	7,5
			Sustainability Management and Governance	7,5
Singapore Management University, Singapore			Negotiation and Conflict Management	7,5
			Economics of Globalisation	7,5
	IT, Globalisation and Culture	15	International Economics	7,5
	11, Globalisation and Culture	13	Economics and Society	7,5
			International Business	7,5
			Global Supply Chains	7,5
	IT-Enabled Supply Chain Management	7,5	Logistics and Transportation Management	7,5
			Supply Chain Management	7,5

## 2. BSc Digital Design and Interactive Technologies

BSc Digital Design and Interactive Technologies				
Foreign university	ITU course name	ECTS	Credit course name	ECTS
	Elective	7,5	Communication & Culture	7,5
Georgia Institute of			Principles of Visual Design	7,5
Technology, USA	Concept Development	15	Principles of Information Design	7,5

### 3. BSc Software Development

BSc Software Development				
Foreign university	ITU course name	ECTS	Credit course name	ECTS
	Discrete Mathematics	7 5	Discrete Mathematics I	6
	Discrete Mathematics	7,5	Discrete Mathematics II	6
	Currelles es and a		Programmering	6
	Grundlæggende programmering	15	Semester project 1	6
	programmering		Semester project 2	6
	Systematisk design af		Software Requirements and	6
Reykjavík University, Iceland	brugergrænseflader	7,5	Design	
Reykjavík Offiversity, iceland	bi ugeigiænsenadei		Web-Programming	6
	Operativsystemer og C	7,5	Computer Architecture	6
	Operativsystemer og C	7,5	Operating Systems	6
			Data Structures	6
	Algoritmos og Dotostrukturor	7.5	Algorithms	6
	Algoritmer og Datastrukturer	7,5	Effective Programming and Problem Solving	6

### 4. BSc Data Science

BSc Data Science				
Foreign university	ITU course name	ECTS	Credit course name	ECTS
Silesian University of	Linear Algebra and	7,5	Analiza Matematyczna i Algebra Liniowa 2. semester	4
Technology, Polen	Optimisation	7,3	Analiza Matematyczna i Algebra Liniowa 1. semester	6
Universidad Torcuato Di Tella, Argentina	Linear Algebra and Optimisation	7,5	Mathematics I	11,3
	Organization and Process Theory	7.5	Introduction to Mangement Information Systems	6
		7,5	IT Ressource Planning and Management	6
			Information Systems Analysis	6
University of North Carolina, Wilmington, USA	Technical Communication	7,5	Managing Innovation and Techonology	6
	Security and Privacy	7,5	Fundamentals of Cybersecurity	6
	Business Foundations	7,5	Entrepreneurship for Non- Business Majors	6
			Principles of Management	6

## 5. MSc Digital Innovation and Management

MSc Digital Innovation and Management				
Foreign university	ITU course name	ECTS	Credit course name	ECTS
	Organisational Change	7,5	Information Technology Project Management	7,5
	o rgameationar onange	,,,	IT Strategy and Management	7,5
			IT-Project Management	7,5
			Agile Software Development	7,5
			Actionable Sustainability	7,5
			Data Analysis and Visualization with R	7,5
	Cross-DIT	7,5	Biometrics	7,5
	C1033 D11	7,5	Information and Communication Technologies	7,5
			The Innovation Process: Developing New Products and Services	7,5
	Individual specialisation (Service Design Management and Implementation)	15	Innovative Marketing Techniques	7,5
Boston University, USA		13	The Innovation Process: Developing New Products and Services	7,5
	Service Design - Management and Implementation	15	The Innovation Process:  Developing New Products  and Services	7,5
			Software Quality, Testing and Security Management	7,5
			The Innovation Process: Developing New Products and Services	7,5
	Individual specialisation	7,5	Business Data Communication and Networks	7,5
			Agile Project Management	7,5
			Business Analytics Foundations	7,5
			IT Strategy and Management	7,5
	Individual Specialisation	22,5	Software Quality, Testing, and Security Management	7,5
			Agile Software Development	7,5
			IT strategy and management	7,5
Reykjavik University, Iceland	Process Innovation	15	Innovation Management	7,5

			Business Process Management	7,5
	Specialization part 1	7,5	Management Control	7,5
			Business Ethics	3,75
	Elective	7,5	Implementation of Information Systems	3,75
	Organisational Change	7,5	International Management	6
The Autonomous University	Cross-Disciplinary Team Work	7,5	Information and Communication Technologies	6
og Madrid, Spain	Lastinia de constituero (Bio		International Finance	6
	Individual specialisation (Big Data Management)	15	International Marketing	6
			International Trade Law	6
			International Accounting	6
	Individual specialisation (Critical Big Data Management)	15	Financial Technology	6
			Production R&D Innovation Management	6
Tainai Tash Tainai Taiwan			Information Management	6
Taipei Tech, Teipei, Taiwan	Organizational Change	7,5	Corporate Leadership	6
			Operations Management	6
	Cross-Disciplinary Team Work	7,5	Entrepreneurship and Business Planning	6
	Individual specialisation		Speech Processing	5
Kuata I lainansitu Kuata	(Service Design - Management and Implementation)	15	Computational Learning Theory	5
Kyoto University, Kyoto, Japan	piccitation)		Distributed Information Systems	5
	Cross-Disciplinary Team Work	7,5	Theory of Computational Complexity	5
	Organizational Change	7,5	Perspectives in Informatics 4	5
	Organizacional Change	7,5	Perspectives in Informatics 5	5

## 6. MSc Digital Design and Interactive Technologies

MSc Digital Design and Interactive Technologies					
Foreign university	ITU course name	ECTS	Credit course name	ECTS	
	Cross-DIT	7,5	UWAS Project, Human- Material Interaction	7,5	
Aalta University Finland	Elective	7 5	Wearable Technology and Functional Wear	10	
Aalto University, Finland	Elective	7,5	Experimental Textile Design	10	
			Electronics for Artists	6	
	Individual specialisation	7,5	Interactive Art	12	
	mulviduai specialisation	7,5	Physical Interaction Design	5	
	Individual specialisation (UX Design)	15	Quality Management	6	
			Advanced User Interfaces	6	
Polytechnic Univeristy of	Elective	7,5	Branding & Communication	6	
Milan, Italy	Cross-Disciplinary Team	7.5	Product Development Studio 1	12	
	Work	7,5	Concept Design Studio	12	
			Digital Strategy	6	

### 7. MSc Software Design

MSc Software Design				
Foreign university	ITU course name	ECTS	Credit course name	ECTS
University of Oslo, Norway	Elective	15	Introductory Programming	7,5
			Machine Learning and Scale	7,5
	Individual specialisation (Big	7,5	Scalable Spatial Analytics	7,5
	Data Management)	7,5	Machine Larning Tools for Modeling Energy Transport and Conversion Processes	7,5
	Individual specialisation (Pig		Deep Reinforcement Learning, Decision Making and Control	7,5
	Individual specialisation (Big Data Management) & Research Project	7,5	Deep Learning in the Cloud and at the Edge	7,5
	nescaren roject		Applied Machine Learning	7,5
University of California,			Principles and Techniques of Data Science	10
Berkeley, USA	Individual specialisation (Data Mining)		Applications in Data Analysis	7,5
		7,5	Statistical Learning Theory	7,5
			Statistics for Data Science	7,5
			Introduction to Data Science Programming	7,5
			Data Mining and Analytics	7,5
	Research Project & Elective	7,5	Building with Blockchain for Web 3.0	7,5
			Build a Startup: Real Applications of Artificial Intelligence	7,5
			Innovation Engineering: 5G/AI	7,5
	Applied Information Security	7,5	Advanced Operating Systems	5
	Elective (Applied Information Security)	7,5	Advanced Cybersecurity Topics	5
	Elective	7,5	Advanced User Interfaces	5
Politecnico di Milano, Milan,	LICCUVC	,,5	Artificial Intelligence	5
Italy	Elective/Individual	7,5	Artificial Intelligence	5
1.5317	specialisation	,,5	Data Bases 2	5
			Advanced User Interfaces	5
	Individual specialisation	15	Embedded Systems 1	5
	Individual specialisation		Techologies for Information Systems	5

			Distributed Software Development	5
	Research Project	7,5	Design and Implementation of Mobile Applications	5
			Advanced User Interfaces	5
	Technical Interaction Design	7,5	Embedded Systems 1	5
	Applied Algorithms	7,5	Principles of Programming Languages	5
	Practical Concurrent and Parallel Programming	7,5	Artificial Intelligence	5
	Elective	7 5	Artificial Intelligence	6
	Elective	7,5	Deep Learning	6
	Algorithms and data		Design and Analysis of Algorithm	6
University of Eastern Finland, Finland	Algorithms and data structures	7,5	Brief Introduction to Algorithic Data Analysis in English	3
	Individual specialisation (Technical Interaction Design)	7,5	Advanced Courses in Human- Computer Interactions	5
	(Technical interaction Design)		Eye Tracking	5

### 8. MSc Computer Science

	MSc Computer Scien	nce		
Foreign university	ITU course name	ECTS	Credit course name	ECTS
			MET CS 634 Agile Software Development	7,5
	Elective	7,5	MET CS 601 Web Application Development	7,5
			MET CS 779 Advanced Database Management	7,5
Boston University, USA			MET CS 632 Information Technology Project Management	7,5
	Individual Specialisation	7,5	MET CS 632 IT Project Management	7,5
	muividuai specialisation	7,5	MET CS 633 Software Quality, Testing and Security Management	7,5
			MET CS 783 Enterprice Architecture	7,5
	Elective		Deep Learning for Computer vision: Seminal Work	2
		7,5	Machine Learning on Microcontrollers	6
ETH Zürich, Switzerland			Systems-on-Chip Data Analytics and Machine Learning	6
		7,5	Program Analysis for System Security and Reliability	7
	Individual specialisation	7,3	Cloud Computing Architecture	9
Universitetet i Bergen	Elective	7,5	INF241 Quantum Information, Quantum Computing, and Quantum Cryptography	10
			Foundation of Agents	7,5
	Individual specialisation	7,5	Intelligent Search and Games	7,5
Maastricht University		7,0	Advanced Concepts in Machine Learning	7,5
	Elective	7,5	Research Project MAI1	7,5
National Taipei University of	Individual specialisation	7,5	Advanced Robotics and Automation Applications	7,5
Technology, Taiwan	maividuai specialisation	7,3	Building Deep Learning Applications	7,5

			Advanced C Programming	7,5
	Research Project and CrossDIT	7,5	VR/AR Applications in Workspace and Its Design	7,5
			Communication Software Design	7,5
Kyoto University, Japan	Elective	7,5	Biosphere informatics	7,5
			System Verification	7,5
			Seminar on Cognitive Science	7,5

### 9. MSc Games

No pre-approved courses yet.