Pre-approved Courses 2024
IT-University of Copenhagen

The purpose of this document is to provide an overview of which courses previously have been pre-approved for studies abroad.

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 lists do not show when a course at the host university was approved to cover an ITU course *in combination* with other courses.
Furthermore, the courses are not listed so that the course at the host university is equivalent to the ITU course regarding ECTS weight or listed to show the exact combination of courses for an individual specialisation. You might need to apply for more courses to cover a course abroad or at ITU, and every individual specialisation will be assessed individually.

Contents

1. BSc Global Business Informatics

University (Abroad)	Course (ITU)	ECTS (ITU)	Course (Abroad)	ECTS (Abroad)
Autonomous University of Barcelona (UAB) (Spain)	IT, Globalization & Culture	15	Cross-Cultural Management	6
	IT, Globalization & culture	15	International Marketing Strategies	6
	IT, Globalization & culture	15	Cross-cultural Management	6
	IT, Globalization & Culture	15	International Business	6
	IT Enabled Supply Chain Management	7.5	Managing Services	6
	IT Enabled Supply Chain Management	7.5	E-commerce and Online Business	6
	Elective	7.5	Entrepreneurship and New Venture Creation	6
City University of Hong Kong (Hong Kong)	Elective	7.5	Business Intelligence and Analytics	6
	Elective	7.5	Big Data Management	6
	Elective	7.5	Interactive Skills Workshop for Business	6
	Elective	7.5	Managing Your Personal Finance	6
	Elective	7.5	Cybersecurity for Business	6
	Elective	7.5	Cybersecurity for Business	3
	Elective	7.5	Business Intelligence and Analytics	3
	Elective	7.5	Big Data Management	3
	Elective	7.5	Interactive Skills Workshop for Business	3
	Elective	7.5	Managing Your Personal Finance	3
	IT Enabled Supply Chain Management	7.5	Operations Management	6
	IT Enabled Supply Chain Management	7.5	Information Management	6
	IT Enabled Supply Chain Management	7.5	Big Data Management	6
	IT-enabled Supply chain Management	7.5	Big Data Management	3
	IT-enabled Supply chain Management	7.5	Business Intelligence and Analytics	3
	IT-enabled Supply chain Management	7.5	Operations Management	3
	IT-enabled Supply chain Management	7.5	Information Management	3
	IT Enabled Supply Chain Management	7.5	Business Intelligence and Analytics	6

	IT, Globalization & Culture	15	Corporate Social Responsibility	6
	IT, Globalization & Culture	15	Global Business Culture and Management	6
	IT, Globalization & culture	15	International Business	3
	IT, Globalization & culture	15	East Asia and Globalization	3
	IT, Globalization & culture	15	Management Ethics	3
	IT, Globalization & culture	15	Corporate Social Responsibility	3
	IT, Globalization & culture	15	Information Management	3
	IT, Globalization & culture	15	Science and Technology: Fascinating Mechanical Engineering	3
	IT, Globalization & culture	15	Asian Values and Managerial Practices	3
	IT, Globalization & Culture	15	Management	6
	IT, Globalization & Culture	15	East Asia and Globalization	6
	IT, Globalization & Culture	15	Management Ethics	6
ESSEC Business School (France)	Elective	7.5	The pirates of the Carribian: the panama papers	2
	Elective	7.5	The science of happiness	2
	Elective	7.5	SPOC AI for Business	2
	Elective	7.5	International Marketing	4
	Elective	7.5	Digital Transformation	4
	Elective	7.5	Luxury brand management	4
	Elective	7.5	Business as War	2
	Elective	7.5	Doing business in China	2
	IT Enabled Supply Chain Management	7.5	Supply chain management	4
	IT Enabled Supply Chain Management	7.5	Change Management	4
	IT Enabled Supply Chain Management	7.5	Retail Foundations	4
	IT Enabled Supply Chain Management	7.5	Sociology of Consumptions: From Cultural Theory to Cultural Practices	2
	IT Enabled Supply Chain Management	7.5	Luxury Retail Management	4
	IT, Globalization & Culture	15	Cross-Cultural Communication and Management	4
	IT, Globalization & Culture	15	Global challenge (Business game)	2
	IT, Globalization & Culture	15	Globalization and Trade	2

	IT, Globalization & Culture	15	People & Organisations	4
	IT, Globalization & Culture	15	Innovation Strategies and New Technologies	4
	IT, Globalization & Culture	15	Working across cultures	2
	IT, Globalization & Culture	15	Economics of Public Policy and Enterprise	4
	IT, Globalization & Culture	15	Companies and Sustainable Development	4
	IT, Globalization & Culture	15	Intercultural Marketing	3
Frankfurt School of Finance and Management (Germany)	Elective	7.5	Money and banking	6
	Elective	7.5	Evidence-based management	6
	Elective	7.5	Leadership	6
	Elective	7.5	Accounting and Capital Markets	6
	Elective	7.5	Strategic Competition	6
	Elective	7.5	Applied Persuasion	6
	Elective	7.5	Quantum Machine Learning	6
	IT Enabled Supply Chain Management	7.5	Corporate Sustainability Strategy	6
	IT Enabled Supply Chain Management	7.5	Strategic Competition	6
	IT Enabled Supply Chain Management	7.5	Money and banking	6
	IT Enabled Supply Chain Management	7.5	Evidence-based management	6
	IT Enabled Supply Chain Management	7.5	Principles of innovation management	6
	IT Enabled Supply Chain Management	7.5	The Future of Banking and Finance in a Digitalized World	6
	IT Enabled Supply Chain Management	7.5	Microfinance	6
	IT Enabled Supply Chain Management	7.5	End of free market? Economic regulation in modern societies	6
	IT, Globalization & Culture	15	Environmental Economics and Energy Finance	6
	IT, Globalization & Culture	15	International Trade and Economic Integration	6
	IT, Globalization & Culture	15	Challenges of the European Union and Euro Area	6
	IT, Globalization & Culture	15	Leadership	6
	IT, Globalization & Culture	15	The Future of Banking and Finance in a Digitalized World	6
	IT, Globalization & Culture	15	International Trade and Economic Integration	6

	IT, Globalization & Culture	15	Principles of innovation management	6
	IT, Globalization & Culture	15	Environmental Economics and Energy Finance	6
	IT, Globalization & Culture	15	Innovation Management	6
Hanyang University (South Korea)	Elective	7.5	International business	6
	Elective	5	AI Ethics and Society	5
	Elective	5	International Business	5
	Elective	5	Principles of microeconomics	5
	Elective	5	Consumer Behavior	5
	Elective	5	UN SDGs to Social Innovation	5
	Elective	5	Mobile App Programming	5
	IT Enabled Supply Chain Management	7.5	Service Operations Management	6
	IT Enabled Supply Chain Management	7.5	Operations Management	6
	IT, Globalization & Culture	15	Information Technology and Data strategy	6
	IT, Globalization & Culture	15	Organizational behavior	6
	IT, Globalization & Culture	15	Strategic management	6
	IT, Globalization & Culture	15	Business Ethics and Sustainability Management	6
	IT, Globalization & Culture	15	Marketing Management	6
	IT, Globalization & Culture	15	Quality Management	6
	IT, Globalization & Culture	15	Strategic Marketing Communication	6
	IT, Globalization & Culture	15	Innovation Strategy	6
	IT, Globalization & Culture	15	International Organizations	6
	IT, Globalization & Culture	15	Business Statistics Applications	6
	IT, Globalization & Culture	7.5	International business	6
Nova University Lisbon (IMS) (Portugal)	Elective	7.5	Artficial Intelligence	6
	Elective	7.5	Ethical, Social and Legal Aspects of Artficial Intelligence	2
	Elective	7.5	Data Pre-processing and Visualisation	6
	Elective	7.5	Programming for data science	6
	Elective	7.5	Computation 1	7
	Elective	7.5	Geospatial intelligence	4
	Elective	7.5	Personal Development II	2
	IT Enabled Supply Chain Management	7.5	Market Research	6

	IT Enabled Supply Chain Management	7.5	Data Preprocessing	6
	IT Enabled Supply Chain Management	7.5	Business Management	4
	IT Enabled Supply Chain Management	7.5	Business Strategy and Digital Transformation	6
	IT Enabled Supply Chain Management	7.5	Personal Development II	2
	IT Enabled Supply Chain Management	7.5	Big data analysis	6
	IT Enabled Supply Chain Management	7.5	Data analysis	6
	IT Enabled Supply Chain Management	7.5	Cyber Security	4
	IT, Globalization & Culture	15	Data Analysis	6
	IT, Globalization & Culture	15	Market Research	4
	IT, Globalization & culture	15	Business Process	6
	IT, Globalization & Culture	15	Data Preprocessing	4
	IT, Globalization & Culture	15	Cybersecurity	4
	IT, Globalization & Culture	15	Organizations Behaviour	4
	IT, Globalization & Culture	15	Business Management	4
	IT, Globalization & Culture	15	Organizations Behavior	4
	IT, Globalization & Culture	15	Business Strategy and Digital Transformation	6
	IT, Globalization & Culture/ elective	15	Personal Development II	6
	IT, Globalization & Culture/ elective	15	Ethical, Social and Legal Aspects of Artificial Intelligence	6
Queensland University of Technology (Australia)	IT, Globalization & Culture	15	Internationalisation	7.5
	IT, Globalization & Culture	15	Business Process Technologies	7.5
	IT, Globalization & Culture	15	Social Technologies	7.5
	IT, Globalization & Culture	15	Bridging Cultures	7.5
	IT Enabled Supply Chain Management	7.5	The Future Enterprise	7.5
	IT, Globalization & Culture	15	International Economics (ECON203)	7.5

Singapore Management University

(Singapore) | IT, Globalization & Culture | 15 | International Business (MGMT205) | 7.5 |
	IT, Globalization & Culture	15	Economics of Globalisation (ECON113)	7.5
	IT, Globalization & Culture	15	Marketing	7.5
	IT, Globalization & Culture	15	Organizational Economics	7.5
	IT, Globalization & Culture	15	Economics and Society	7.5
	IT, Globalization & Culture	15	International Trace	7.5
	IT Enabled Supply Chain Management	15	Supply Chain Management (IS406)	7.5
	IT Enabled Supply Chain Management	15	Supply Chain Analytics (OPIM348)	7.5
	IT Enabled Supply Chain Management	15	Logistic & Transport Management (OPIM314)	7.5
	IT Enabled Supply Chain Management	15	Global Supply Chains	7.5
	Elective	15	Law of International Trade (LAW443)	7.5
	Elective	15	Sustainable Digital Cities (IS468)	7.5
	Elective	15	Economic development in Asia (ECON118)	7.5
	Elective	7.5	Shipping Business (TRAD201)	
Sirindhorn International Institute of Technology

(Thailand) | IT, Globalization & culture | 15 | International Trade and Business (MTS314) | 6 |
	IT, Globalization & culture	15	Entrepreneurship for Digital Business (DES324)	6
	IT, Globalization & culture	15	Business Information Systems (BAS213)	6
	IT-enabled Supply chain Management/Elective	7.5	Creativity and Communication (TU106)	6
	IT-enabled Supply chain Management	7.5	Operations Management and Analytics (BAS214)	6
	IT-enabled Supply chain Management	7.5	Logistics and Supply Chain Management (IES376)	6
	IT-enabled Supply chain Management	7.5	Production Planning and Control (IES323)	6
	Elective	7.5	Economic Decision Analysis (MTS331)	6
	Elective	7.5	Engineering Economy (IES341)	6
Curtin University

(Australia) | IT-enabled Supply chain Management | 7.5 | Supply Chain Management | 7.5 |
| | Elective | 7.5 | Cyber Security Concepts | 7.5 |
| | Elective | 7.5 | Introduction to Innovation Principles | 7.5 |

	IT, Globalization & culture	15	Society and Culture in a Globalising World	7.5
	IT, Globalization & culture	15	Globalisation and Employment Relations	7.5
	IT, Globalization & culture	15	Introduction to Global Business	7.5

2. BSc Digital Design and Interactive Technologies

University (Abroad)	Course (ITU)	ECTS (ITU)	Course (Abroad)	ECTS (Abroad)
Georgia Institute of Technology (USA)	Co-Design	15	Principles of Visual Design.	7.5
	Co-Design	15	Principles of Interaction Design	7.5
	Elective	7.5	Principles of Information Design	7.5
	Elective	7.5	LMC 4720 Interactive Narrative	7.5
	Elective	7.5	LMC 2700 Introduction to Computational Media	7.5
	Elective	7.5	Prin Information Design	7.5
Hanyang University (South Korea)	Designing Sustainable Futures	7.5	Urban Design Theory	6
	Elective	7.5	Human-Computer System Design	6
	Elective	7.5	Visual Communication	6
	Elective	7.5	Game Development	6
	Elective	7.5	UXdesign	6
	Network Society	7.5	Text Information Analytics	6
University of Technology Sydney (Australia)	Designing Sustainable Futures	7.5	The Bio Kitchen	7.5
	Designing Sustainable Futures	7.5	Digital System for Sustainable Production	7.5
	elective	7.5	Webmedia	7.5
	elective	7.5	Thinking Through Design	7.5
	elective	7.5	The Bio Kitchen	7.5
	elective	7.5	User Experience Design	7.5
	elective	7.5	Creative Code	7.5
	elective	7.5	Communication for IT Professionals	7.5
	Network Society	7.5	Introduction to Data Analytics	7.5

3. BSc Software Development

University (Abroad)	Course (ITU)	ECTS (ITU)	Course (Abroad)	ECTS (Abroad)
Charles University (Czechia)	Elective	5	NPGR038 Introduction to Computer Game Development	5
	Elective	5	NPGR036 Computer Vision	5
	Functional Programming	7.5	Non-procedural programmering	5
	Functional Programming	7.5	Introduction to Artificial Intelligence	5
	Operating Systems and C	7.5	NSWI170 Computer Systems	5
	Operating Systems and C	7.5	NPRG066 The C Programming Language	5
	Reflections on IT	7.5	JPB288 Generative AI: Philosophy, Politics, Practice	6
	Reflections on IT	7.5	NAIL131 Ethics of AI+	2
Hanyang University (South Korea)	Security	7.5	Network Security	6
	Security	7.5	Cryptography	6
	Security	7.5	Network Security	6
	Security	7.5	Cryptography	6
	Distributed Systems	7.5	Computer Networks	8
	Elective	7.5	Organization Theory	6
	Elective	7.5	Management Strategy and Database	6
	Elective	7.5	Design & Analysis of Algorithms	6
	Elective	7.5	Fundamental of Open Source Software	2
	Elective	7.5	Embedded Operation Systems	8
	Elective	7.5	Mobile Programming	6
Koç University (Türkiye)	Second-Year Project	15	COMP 301 / Programming Language Concepts	6
	Second-Year Project	15	COMP 302 / Software Engineering	6
	Second-Year Project	15	MGMT 310 / Creating Social Impact Through Collaborative Project Management Experiential Learning	
	Operativsystemer og C	7.5	COMP 304 / Operating Systems	6
	Operativsystemer og C	7.5	COMP 132 / Advanced Programming	
Queensland University of Technology (Australia)	Introduction to Database	7.5	Data Management	7.5
	Analyse, Design og Softwarearkitektur	15	Software Engineering for Enterprise Systems	7.5
	Analyse, Design og Softwarearkitektur	15	Software Development	7.5

RMIT Vietnam Saigon Campus (Vietnam)	Andetårsprojekt: Softwareudvikling i større grupper	15	Web Programming Studio	15
	Security 1	7.5	Security in Computing and Information Technology	7.5
	Elective	7.5	Cloud Foundations	7.5
	Elective	7.5	Machine Learning	7.5
University of Trento (Italy)	Second-Year Project	15	Software Engineering	12
	Elective	7.5	Business Organization and Management	6
	Elective	7.5	Introduction to Machine Learning	6

4. BSc Data Science

University (Abroad)	Course (ITU)	ECTS (ITU)	Course (Abroad)	ECTS (Abroad)
Auckland University of Technology (New Zealand)	Elective	7.5	Computer Graphics Programming	7.5
	Elective	7.5	Computer Graphics Programming	7.5
	Elective	7.5	Analysing Performance	7.5
	elective	7.5	Digital Services in Information Technology	7.5
	Security and Privacy	7.5	Information Security Technologies	7.5
	Software Development and Software Engineering	7.5	Program Design and Construction	7.5
	Software Development and Software Engineering	7.5	Scientific Inquiry	7.5
	Technical Communication	7.5	Scientific Inquiry	7.5
	Technical Communication	7.5	Program Design and Construction	7.5
City University of Hong Kong (Hong Kong)	Security and Privacy	7.5	Information Security Management	6
	Software Development and Software Engineering	7.5	Java Programming	6
	Software Development and Software Engineering	7.5	Software Engineering Practice	6
	Software Development and Software Engineering	7.5	Problem Solving and Programming	6
	Software Development and Software Engineering	7.5	Essentials of Software Engineering	6
	Technical Communication	7.5	Managing Software Projects	6
	Elective	7.5	Cloud Robotics and Automation	6
	Elective	7.5	Computer Vision and Image Processing	6
	Elective	7.5	Computer Vision for Interactivity	6
	Elective	7.5	iOS Application Development	6
	Elective	7.5	Operating Systems	6
Technical University of Munich (Germany)	Machine Learning	15	IN2064 Machine Learning	8
	Machine Learning	15	Seminar Computational Aspects of Machine Learning	5
	Machine Learning	15	IN2028 Business Analytics and Machine Learning	5
	Machine Learning	15	Seminar on Formal Verification meets Machine Learning	5
	Machine Learning	15	[IN2064] Machine Learning	8
	Introduction to Database Systems	7.5	[IN2386] Cloud-Based Data Processing	5
	Introduction to Database Systems	7.5	[IN2219] Query Optimization	6
	Introduction to Database Systems	7.5	Cloud Information Systems	5

	Introduction to Database Systems	7.5	Seminar - Modern Database Systems	5
	Introduction to Database Systems	7.5	Seminar - Implementation Techniques for Main Memory Database Systems	5
	Network Analysis	7.5	Network Coding	6
	Network Analysis	7.5	Seminar on Markets, Algorithms, Incentives, and Networks	5
	Elective	7.5	Operating Systems	6
University of Technology Sydney (Australia)	Security and Privacy	7.5	Secure Programming and Penetration Testing (41184)	8
	Security and Privacy	7.5	Cybersecurity (48730)	5
	Security and Privacy	7.5	System Security (41182)	5
	Security and Privacy	7.5	Digital Trace and Identity (65325)	6
	Software Development and Software Engineering	7.5	Programming 2 (48024)	5
	Technical Communication	7.5	Communication for IT Professionals (31265)	5
	Elective	7.5	Reinforcement Learning (43008)	5
	Elective	7.5	Digital Trace and Identity (65325)	6

5. MSc Digital Innovation & Management

University (Abroad)	Course (ITU)	ECTS (ITU)	Course (Abroad)	ECTS (Abroad)
Auckland University of Technology (New Zealand)	Specialisation	7.5	Data Warehousing and Big Data	7.5
	Specialisation	7.5	Information Technology Strategy and Policy	7.5
	Digital Organizing and Transformation	7.5	Digital Transformation and Change Management	7.5
	elective	7.5	Leadership for Sustainable Organisations	7.5
Autonomous University of Barcelona (UAB) (Spain)	Elective	7.5	Using Artificial Intelligence for Business	6
	Elective	7.5	Developing creativity and creative cultures in organisations	6
	Specialisation	7.5	Business ethics	6
	Specialisation	7.5	Governance and regulation in the age of sustainability	6
	Specialisation	7.5	Managing pricing strategies	6
	Specialisation	7.5	Intercultural communication and management	6
Dalhousie University (Canada)	Individual specialisation	15	Machine Learning	10
	Individual specialisation	7.5	Starting Lean	10
	elective	7.5	Starting Lean	10
	elective	7.5	Introduction to Entrepreneurship and Innovation	5
	elective	7.5	Foundations in Business	10
	Digital Organizing and Transformation	7.5	Innovation Management	10
Queensland University of Technology (Australia)	Digital Organizing and Transformation	7.5	Consulting and change management	7.5
	Digital Organizing and Transformation	7.5	IT Governance	7.5
	Digital Organizing and Transformation	7.5	Organisational Behaviour: Transforming Self, Others and Organisations	
	Digital Organizing and Transformation	7.5	Enterprise Systems Lifecycle Management	7.5
	Elective	7.5	Consumer Insight for marketing succes	7.5
	Elective	7.5	Negotiating Across Borders	7.5
	Elective	7.5	Business in Asia	7.5
	Elective	7.5	Strategic Business Intelligence for Managers	7.5
	Elective	7.5	Developing Cultural Intelligence	7.5

	Specialisation	7.5	Investigating real-world business issues	7.5
	Specialisation	7.5	Strategic Business Intelligence for Managers	7.5
	Specialisation	7.5	International Logistics Management	7.5
	Specialisation	7.5	Consulting and change management	7.5
	Specialisation	7.5	IT Governance	7.5
	Specialisation	7.5	Achieving Service Excellence	7.5
Rennes School of Business (France)	Specialisation	15	Data Science Toolbox	4
	Specialisation	15	Harnessing AI for Business	4
	Specialisation	15	AI & Marketing	4
	Specialisation	15	Decision Models for Supply Chain Planning	4
	Specialisation	15	A Data-Driven Demand Planning	2
	Digital Organizing and Transformation	7.5	Global Mindedness and Intercultural Intelligence	6
	Elective	7.5	CRM Systems with AI Integration	4
	Elective	7.5	Case Studies in Business Analytics, Ethics & Risk	2
Reykjavik University (Iceland)	Digital Organizing & Transformation	7.5	Change Management & Leadership	7.5
	Digital Organizing & Transformation	7.5	Digital and Information System Management	7.5
	Digital Organizing & Transformation	7.5	Strategic Management	7.5
	Elective	7.5	An exploration to the ethical issues of emerging technology through the lens of Black Mirror	6
	Elective	7.5	AI Seminar	2
	Elective	7.5	Digital Health	8
	Elective	7.5	AI, Ethics & Society	8
	Elective	7.5	Software Project Management	8
Universidad Politécnica de Madrid (Spain)	Digital Organizing & Transformation	7.5	Adaptative Systems	4
	Digital Organizing & Transformation	7.5	Challenges For Accessible Computing For People With Functional Diversity	4
	Digital Organizing & Transformation	7.5	Introduction to innovation and entrepreneurship management	6
	Digital Organizing & Transformation	7.5	Management Strategies & non-classical software development Methodologies	4
	Digital Organizing & Transformation	7.5	Management, Relationships and Communication in Working groups	4
	Digital Organizing & Transformation	7.5	Models and Methods for Process Improvement and Assessment	4
	Digital Organizing & Transformation	7.5	Software Project Management	4
	Elective	7.5	Adaptative Systems	4

	Elective		Adaptative Systems	4
	Elective	7.5	Agile software development: Agile practices and Agile usability	4
	Elective	7.5	Challenges For Accessible Computing For People With Functional Diversity	
	Elective	7.5	Data Processes	4.5
	Elective	7.5	Data Visualization	3
	Elective	7.5	E-health: Promoting Active And Healthy Ageing	4
	Elective	7.5	Hci: Introduction And Design Methods	6
	Elective	7.5	Human-computer Interaction Seminars I	2
	Elective	7.5	Humancomputer Interaction Seminars Ii	2.5
	Elective	7.5	Innovation and Entrepreneurship study	6
	Elective	7.5	Introduction to innovation and entrepreneurship management	6
	Elective	7.5	Introduction to innovation and entrepreneurship management	6
	Elective	7.5	Knowledge Discovery In Data Bases	4
	Elective	7.5	Management Strategies and Non-classical Software Development Methodologies	4
	Elective		Management, Relationships And Communication In Working Groups	4
	Elective	7.5	Models and Methods for Process Improvement and Assessment	4
	Elective	7.5	Software Project Management	4
	Specialisation	15	Big Data	3
	Specialisation	15	Data Processes	4.5
	Specialisation	15	Data Visualisation	3
	Specialisation	15	Innovation and Entrepreneurship study	6
	Specialisation	15	Knowledge Discovery in Data Bases	4
	Specialisation	15	Models and Methods for Process Improvement and Assessment	4
Università della Svizzera italiana (Switzerland)	Digital Organizing & Transformation	7.5	Lean Six Sigma	6
	Digital Organizing & Transformation	7.5	Organisational Design & Change	3
	Digital Organizing & Transformation	7.5	Organizational Behavior (L.)	6
	Digital Organizing & Transformation	3	Organizational Design and Change	3
	Digital Organizing & Transformation	7.5	User Experience Design	6
	Elective	7.5	Argumentation in Conflict Resolution	3
	Elective	7.5	Databases	6
	Elective	7.5	Decision Making	3
	Elective	7.5	Digital Challenges in Marketing & Big Data	3
	Elective	7.5	Distributed Systems	6
	Elective	7.5	Fundamentals of Informatics	6

	Elective	7.5	Innovation	3
	Elective	7.5	International Business	3
	Elective	7.5	Lean Six Sigma	6
	Elective	7.5	Negotiation	3
	Elective	7.5	Organizational Behavior (L.)	6
	Elective	7.5	User Experience Design	6
	Specialisation	3	Analytical Thinking	3
	Specialisation	3	Argumentation in Conflict Resolution	3
	Specialisation	7.5	Databases	6
	Specialisation	3	Decision Making	3
	Specialisation	7.5	Digital Challenges in Marketing & Big Data	3
	Specialisation	7.5	Distributed Systems	6
	Specialisation	7.5	Fundamentals of Informatics	6
	Specialisation	7.5	Innovation	3
	Specialisation	7.5	Machine Learning	6
	Specialisation	7.5	Negotiation	3
	Specialisation	7.5	Networks & Behavior in Organizations	3
	Specialisation	7.5	Project Management	3
	Specialisation	7.5	User Experience Design	3
University Institute of Lisbon (Portugal)	Elective	7.5	Manage Consulting Essentials – Think like a consultant	6
	Elective	7.5	Leadership and Strategic Knowledge	6
University of Montpellier (France)	Digital Organizing and Transformation	7.5	IT for Human Resources Management	3
	Digital Organizing and Transformation	7.5	International Strategy	3
	Digital Organizing and Transformation	7.5	Digital Transformation Journey	3
	Elective	7.5	E-Marketing & Sales Force	3
	Elective	7.5	Business Intelligence	3
	Elective	7.5	European Culture	3
	Elective	7.5	Business Game	3
	Elective	7.5	Cyber Security	3
	Specialisation	7.5	Big Data	3
	Specialisation	7.5	Business Process Management	3
	Specialisation	7.5	Technologies Management	3
	Specialisation	7.5	Innovation Management	6
University of Technology Sydney (Australia)	Digital Organizing & transformation	7.5	Managing Change	7.5
	elective	7.5	Creative problem solving	7.5
	elective	7.5	Data-driven Insights	7.5
	elective	7.5	Diversity & Inclusion:	7.5
	elective	7.5	Enabling Enterprise Information Systems	7.5
	elective	7.5	Fundamental of Data Analytics	7.5
	elective	7.5	Fundamental of Interaction Design	7.5
	elective	7.5	Future of Work	7.5

	elective	7.5	IT Professional and Society	7.5
	elective	7.5	IT Professional and Society	7.5
	elective	7.5	Project Management	7.5
	elective	7.5	Services and Network Productivity with Data Analytics	7.5
	elective	7.5	Supply Chain Technology Management	7.5
	Process Innovation	15	Project Management	7.5
	Process Innovation	15	Strategic Supply Chain Management	7.5
	Process Innovation	15	Supply Chain Technology Management	7.5
	Programming and Data Processing	7.5	Python Programming for Data Processing	7.5
	Specialisation	7.5	Business Intelligence	7.5
	Specialisation	7.5	Business Project Management	7.5
	Specialisation	7.5	Data Science for Innovation	10
	Specialisation	7.5	Enabling Enterprise Information Systems	7.5
	Specialisation	7.5	Enterprise Architetcure Practice	7.5
	Specialisation	7.5	Judgment and Decision Making	7.5
	specialisation	7.5	Organisational Sustainability: Analysis and Practice	7.5
	Specialisation	7.5	Project Management	7.5
	Specialisation	7.5	Services and Network Productivity with Data Analytic	7.5

6. MSc Digital Design and Interactive Technologies

University (Abroad)	Course (ITU)	ECTS (ITU)	Course (Abroad)	ECTS (Abroad)
Queensland University of Technology (Australia)	Elective	7.5	IFN515 Fundamentals of Business Process Management	7.5
	Elective	15	IFN555 Introduction to Programming	7.5
	Elective	7.5	IFN556 Object Oriented Programming	7.5
	Elective	15	IFN557 Rapid Web Development	7.5
	Elective	7.5	IFN563 Object Oriented Design	7.5
	Elective	7.5	IFN663 Advanced Enterprise Architecture	7.5
	Elective	7.5	IFN680 Artificial Intelligence and Machine Learning	7.5
	Elective	7.5	Interaction design for emerging technologies	7.5
	Specialisering	7.5	Biomedical data science	7.5
	specialisering	7.5	IFN509 Data Exploration and Mining	7.5
	specialisering	7.5	IFN646 Biomedical Data Science	7.5
	Specialisering	7.5	Principles of software security	7.5
University of Oslo (Norway)	Elective/specialisation	7.5	Natural Language Processing	10
	Elective/specialisation	7.5	Interaction with AI and autonomous systems	10
	Elective/specialisation	7.5	Research Through Design	10
	Elective/specialisation	7.5	ICT for Development: Building a Better World?	10
	Elective	7.5	Participatory experimental design	10
	Værdier og etik i design	7.5	Understanding use before use	10
Vrije University (Netherlands)	Specialisation	7.5	X_400108 Data Mining Techniques	6
	Specialisation	7.5	XM_40020 Web Data Processing Systems	6
	Specialisation	7.5	X_418156 Statistics with R	6
	Values and Ethics in Design	7.5	XM_0087 Ethics and Privacy	6

7. MSc Software Design

University (Abroad)	Course (ITU)	ECTS (ITU)	Course (Abroad)	ECTS (Abroad)
Koç University (Türkiye)	Specialisation	3,75	Fundamentals of biological databases (Koç University)	3,75
	Specialisation	3,75	Advanced data analysis python for social sciences (Koç University)	3,75
	Elective	7,5	Computer Graphics	7,5
Queensland University of Technology (Australia)	Elective	7,5	Data Exploration and Mining	7,5
	Elective	7,5	Principles of Software Security	7,5
	Elective	7,5	Network Systems	7,5
	Elective	7,5	Introduction to Security and Networking	7,5
	Specialisation	7,5	Network Systems	7,5
Polytechnic University of Catalonia (Spain)	2 * Electives and Research Project	22,5	Big Data Management	6
		22,5	Data Visualisation	6
		22,5	Advanced Human Languages Tech	5
		22,5	Debates on Ethics of Data Science	3
		22,5	Human-Computer Interaction	4,5
	2 * Electives and Research Project	22,5	Semantic Data Management	6
		22,5	Viability of Business Projects	4,5
		22,5	Human-Computer Interaction	6
		22,5	Techniques and Methodology of Innovation and Research in Informatics	6
Reykjavik University (Iceland)	Specialisation	7,5	Big Data Management	8
	Elective	7,5	Deep Learning	8
	Elective	7,5	Autonomous Robotics	8
Technical University of Munich (Germany)	Elective	7,5	Data Analysis and Visualization in R	3,75
			Advanced Seminar Blockchain Technologies	3,75
	Elective	7,5	Advanced Practical Course - Developing innovative services at the example of SAP technologies	7,5
	Elective	7,5	Software Engineering in der industriellen Praxis	7,5
	Elective	7,5	Advanced Practical Course Enterprise Cloud Platform Operations	7,5
	Specialisation	7,5	Machine Learning and Deep Learning (CBS)	7,5
	Specialisation	7,5	Advanced topics of Software Engineering (TUM)*	7,5
	Specialisation	15	Advanced Computer Archtecture (TUM)	15
			Advanced Algorithms (TUM)	
			Advanced Programming (TUM)	

	Research project and elective	15	Master Practical Course: Edge Computing and the Internet of Things	10
			Seminar on Markets, Algorithms, Incentives and Networks	5
University of Technology Sydney (Australia)	Specialisation	7,5	Human-Centred Design Research Methods	7,5
	Specialisation	7,5	Business Intelligence	7,5
	Specialisation	7,5	Fundamentals of Data Analytics	7,5
	Elective	7,5	Enterprise Architecture Practice	7,5

8. MSc Computer Science

University (Abroad)	Course (ITU)	ECTS (ITU)	Course (Abroad)	ECTS (Abroad)
Charles University (Czechia)	Elective	7.5	• NCGD001 Computer Games Development 1 (6 ECTS)	6
	Elective	7.5	• NDBI021 User Preferences and Advanced Recommending Methods (4 ECTS)	4
	Elective	7.5	• NPFL128 Language Technologies in Practice (4 ECTS)	4
	Elective	7.5	• NPFL139 Deep Reinforcement Learning (8 ECTS)	8
	Elective	7.5	• NPFL138 Deep Learning (8 ECTS)	8
	Elective	7.5	• NPGR033 Computer Graphics for Game Development (5 ECTS)	5
	Elective	7.5	• NPGR036 Computer Vision (5 ECTS)	5
	Elective	7.5	• NPFL123 Dialogue Systems (5 ECTS)	5
	Elective	7.5	• NPFL093 NLP Applications (4 ECTS)	4
	Elective	7.5	• NAIL108 Mobile Robotics (3 ECTS)	3
	Elective	7.5	• NDBI023 Data Mining (5 ECTS)	5
	Elective	7.5	• NAIL013 Applications of Neural Network Theory (3 ECTS)	3
	Elective	7.5	• NPFL079 Algorithms in Speech Recognition (5 ECTS)	5
	Elective	7.5	• NAIL 106 Multiagent Systems (5 ECTS)	5
	Elective	7.5	• NAIL068 Human-like Artificial Agents (5 ECTS)	5
Kyoto University (Japan)	Specialisation/elective	7.5	System Verification	7.5
	Specialisation/elective	7.5	System-Level Design Methodology for SoCs	7.5
	Specialisation	7.5	Theory of Computational Complexity	7.5
	Specialisation	7.5	Information and Society	7.5
	Specialisation/elective	7.5	Advanced Study in Communications and Computer Engineering 1	15
	Specialisation/elective	7.5	Advanced Study in Communications and Computer Engineering 2	15
	Elective	7.5	Advanced Study in Communications and Computer Engineering 1	15
	Elective	7.5	Advanced Study in Communications and Computer Engineering 2	15
	Elective	7.5	Perspectives in Informatics 4	7.5
	Elective	7.5	Perspectives in Informatics 5	7.5
	Elective	7.5	Computational Learning Theory	7.5
	Specialisation/elective	7.5	Advanced Study in Social Informatics 2	15
	Specialisation/elective	7.5	Advanced Study in Social Informatics 1	15

Maastricht University (Netherlands)	Elective	7.5	Autonomous RoboticsSystems	6
	Elective	7.5	Information Retrieval and Text Mining	6
	Elective	7.5	Planning and Scheduling	6
	Specialisation	7.5	Autonomous RoboticsSystems	6
	Specialisation	7.5	Building and Mining Knowledge Graphs	6
	Specialisation	7.5	Computer Vision	6
	Specialisation	7.5	Explainable AI	6
	Specialisation	7.5	Introduction to Quantum Computing for AI and Data Science	6
	Specialisation	7.5	Planning and Scheduling	6
	Specialisation	7.5	Project 1-2	6
	Specialisation/Elective	7.5	Research Project Artificial Intelligence	6
Polytechnic University of Milan (Italy)	Elective	7.5	Business information systems	10
	Elective	7.5	Diversity aware design of technology solutions	5
	Elective	7.5	Natural language processing	5
	Elective	7.5	Multidisciplinary project	5
	Elective	7.5	Process and service design	5
	Specialisation	7.5	Security and resilience of critical infrastructures	5
	Specialisation	7.5	Cryptography and architectures for computer security	5
	Specialisation	7.5	Formal methods for concurrent and real-time systems	5
Queensland University of Technology (Australia)	Elective	7.5	IFN712 Research in IT Practice	15
	Elective	7.5	IFN515 Fundamentals of Business Process Management	7.5
	Specialisation	7.5	IFN509 Data Exploration and Mining	7.5
	Specialisation	7.5	IFN663 Advanced Enterprise Architecture	7.5
Università della Svizzera italiana (Switzerland)	Practical Concurrent and Parallel Programming	7.5	Advanced Java	6
	Specialisation	7.5	Software Design & Modeling	6
	Specialisation	7.5	Programming Styles	3
	Specialisation	7.5	Engineering of Domain Specific Languages	3
	Elective	7.5	User Experience Design	6
University of California Berkeley (USA)	Elective/specialisation	7.5	COMPSCI 294 273 Special topics Deigning Algorithmic Media (3 units)	
	Elective	7.5	COMPSCI 294 275 Special Topics Algorithmic Aspects of Machine learning (3 units)	
	Elective/specialisation	7.5	COMPSCI 294 177 Special Topics on Decentralised Finance (2-4 units)	

	Elective	7.5	COMPSCI 294 043 Special Topics Large Scale Vision and Language Models (2-4 units)	24
	Elective	7.5	COMPSCI 370 002 Adaptive Instruction Methods in Computer Science (3 units)	
	Elective/specialisation	7,5	COMPSCI 271 001 Randomness and Computation (3 units)	
	Elective	7.5	COMPSCI 280A 001 Intro to Computer Vision and Computational Photography (4 units)	
	Elective/specialisation	7,5	COMPSCI 260B 001 Human-Computer Interaction Research (3 units)	

9. MSc Games

None

10.MSc Data Science

University (Abroad)	Course (ITU)	ECTS (ITU)	Course (Abroad)	ECTS (Abroad)
Auckland University of Technology (New Zealand)	Elective/Research project	7.5	COMP800 Neuroinformatics	7.5
	Elective/Research project	7.5	COMP826 Mobile Systems Development	7.5
	Elective/Research project	7.5	ENGE803 Innovation Management	7.5
	Elective/Research project	7.5	INFS812 Bioinformatics	7.5
	Elective/Research project	7.5	ENSE808 Digital Systems Design	7.5
	Elective/Research project	7.5	ENSE881 Digital Transformation and Change Management	7.5
Charles University (Czechia)	Elective	7.5	Social networks and their analysis	5
	Elective	7.5	Human-like Artificial Agents	5
	Elective	7.5	Multiagent Systems	5
	Elective	7.5	Modern Algorithmic Game Theory	5
Technical University of Munich (Germany)	Elective/Research project	7.5	(IN2390)Advanced Deep Learning for Computer Vision: Visual Computing	8
	Elective/Research project	7.5	Medical Augmented Reality	5
	Elective/Research project	7.5	(IN2291)Protein Prediction II for Computer Scientists	8
	Elective/Research project	7.5	(IN2410)Causality	8
	Elective/Research project	7.5	(IN2106, IN4314)Applied Deep Learning in Medicine	10
	Elective/Research project	7.5	(IN2106, IN4316)Legal Data Analysis Lab	10
	Elective/Research project	7.5	(IN2106, IN4282)Deep Learning in Visual Computing	10
	Elective/Research project	7.5	(IN0012, IN2106, IN4344)Hands-on Recommender Systems	10
	Elective/Research project	7.5	(IN2107, IN0014, IN45036)Seminar Causal Reasoning	5
	Elective/Research project	7.5	(IN2107, IN4429)3D Machine Learning	5
	Elective/Research project	7.5	(IN2107, IN45031)Machine Learning for Sequential Decision Making	5
Uppsala University (Sweden)	Elective/Research project	7.5	Project in Data Science	15
	Elective/Research project	7.5	IT and Society	15
	Elective/Research project	7.5	Mining of Social Data	10
	Elective/Research project	7.5	Intelligent Interactive Systems	7.5