UNIVERSITÄT KLAGENFURT

TEWI Faculty of Technical Sciences

Master Information and Communications Engineering (ICE); Business Engineering

Winter semester 20/21

Recommended course of studies (full time)

First academic year (30 ECTS per semester)

	Subject	ECTS	Course number + name	Course type
Semester 1	Management and Economics – Fundamentals	2	602.690 Operations Management and Logistics	VC*
		4	608.800 Energy Ecomomics: Theory and Policy	VO
	Management and Economics-Advanced	4	602.697 PLM 16: Supply Chain Planning	VC*
		4	602.699 PLM 20: Quantitative Methods in Production and Operations Management	VC*
		4	602.978 Special Topics: Innovation & Entrepreneurship: Innovation Marketing	KS*
	ASR Fundamentals	4	700.382 Robotics Fundamentals	VC*
		3	700.384 Labor Robotics Fundamentals	UE*
	ASR Advanced	4	700.540 Measurement Signal Processing	VC*
		4	700.541 Measurement Signal Processing	KS*
	Sum	**33**		

	Subject	ECTS	Course number + name	Course type
Semester 2	Management and Economics – Fundamentals	2	700.901 Value based Management	VC*
	ASR Fundamentals	4	700.544 Sensors and Actuators	VC*
		3	700.545 Sensors and Actuators	KS*
		4	700.701 Control of Autonomous Systems	VC*
		3	700.702 Control of Autonomous Systems	KS*
	ASR Advanced	4	700.370 Seminar on Data Analytics and Pattern Recognition in Intelligent Transportation	SE*
		4	700. 340 Machine Learning in Intelligent Transportation	VC*
		3	700. 373 Lab on Machine Learning and Applications in Intelligent Vehicles	KS*
		4	700.350 Cyber-Physical Systems and Digital Twins in Intelligent Transportation Systems	VS*
	Sum	**31**		

* compulsory attendance

UNIVERSITÄT KLAGENFURT

TEWI Faculty of Technical Sciences

Master Information and Communications Engineering (ICE); Business Engineering

Winter semester 20/21

Curriculum - UL 066 488

Overview

Subject	Subject label	ECTS	Recommended semester
Required subjects	Management and Economics – Fundamentals	8	1-2
Elective subjects	Management and Economics – Advanced	20	1-2
	Specialisation through the choice of one Subject: • Management and Law – Complements • Management and Economics – Basic Courses	8	2-3
	Specialisation through the choice of one technical Subject: • Networks and Communications (Lectures schedule: see Flyer of Branch of Study "Networks and Communications" • Autonomous Systems and Robotics (Lectures schedule: see Flyer of Branch of Study "Autonomous Systems and Robotics"	42	1-3
	Soft Skills	6	1-3
Free electives	Free Electives	6	1-4
Master Thesis	Master Thesis work + Privatissimum	30	3-4
Sum		**120**	

The legally binding curriculum can be found in the campus system (link: "Meine Visitenkarte") or on the website (follow "study" and "list of degree programmes".

Your faculty can be found in the Lakeside Park.

Further questions? Please contact spl-infotech@aau.at
Your Programme Director (Studienprogrammleitung) is Prof. Kyandoghere Kyamakya.