

Software required for participation in the Master MCS online/digital mode of study

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This overview informs students of the software needs for participation in the online/digital format of the MCS Master study program. The overview is updated regularly and students are obliged to inform themselves of any updates. The privacy statements of the respective software apply, which can be viewed at their providers.

Software	Developer	Version	Use Case	Provided via TU Ilmenau?	Comments
Operating System	Microsoft, Apple, Linux Foundation	Windows 10 Professional Build 21H2, Linux, MacOS High Sierra	Installing software	No	
Cisco Any Connect (Virtual Private Network (VPN))	Cisco Systems	any	Access to web services of the university	No	available for free
Webbrowser (e.g. Firefox, Chrome, Safari, Opera, Edge)		any	Accessing the world wide web	No	available for free
Webex	Cisco Systems	42.1.0.21190	Webex is the program recommended and supported by TU Ilmenau to participate in online teaching via videochat.	No	available for free
Acrobat	Adobe	any	For working with PDF files	No	available for free
Reader	Adobe	any	For reading PDF files	No	available for free
Citavi		Current Version is 6.10	Literature management software. License is provided by TU Ilmenau.	Yes	

G*Power		Current version is 3.1.9.7	Software for calculating statistical power. During the course the software is used to practice.	No	available for free
MS Office	Microsoft	Office 2019/2020, Office 365	Word, Excel, Powerpoint: for completing written tasks.	Yes	
Anti-Virus Software	e.g. Sophos	any	Protects your computer	Yes	
MAX-QDA	Verbi	any	Used for qualitative data analysis (e.g. content analysis)	Yes	
Mentimeter	Mentimeter	any	Interactive presentation software	No	available for free
Miro	Realtime Board Inc.	any	Online collaboration platform	No	available for free
Padlet	Padlet	any	Real-time collaborative web platform	No	available for free
Rstudio	Rstudio	2021.09.2+382	Used for R, a programming language for statistical computing and graphics (e.g. statistical analysis)	No	available for free

Spoke	Mozilla	any	Spoke is the online 3D scene editor to create rooms in the Social VR environment. System recommendations include: Laptop/Desktop-PC with Intel i7/i9 processor or similar, 8GB RAM, graphics card with 4GB VRAM	No	available for free
Unity	Unity Software Inc.	any	Software necessary to learn the fundamentals of AR/VR. System requirements: <ul style="list-style-type: none"> • OS: Windows 7 SP1+, 8, 10, 64-bit versions only; Mac OS X 10.12+; Ubuntu 16.04, 18.04, and CentOS 7. • GPU: Graphics card with DX10 (shader model 4.0) capabilities. 	Yes	

Unreal Engine	Epic Games	Current version is 2020.3.28f	Software necessary for the course AR/VR for Communication Science and to learn the fundamentals of AR/VR. system requirements: Quad-core Intel or AMD, 2.5 Hz or faster, 8 GB RAM, DirectX 11 or DirectX 12 compatible graphics card	No	available for free
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