COMMUNICATION ENGINEERING 🇬🇧
MASTER | WORK-FRIENDLY

STUDY & WORK

📍 **Location:** Campus Klagenfurt
Primoschgasse 8-10, 9020 Klagenfurt

🎓 **Academic Degree:**
Master of Science in Engineering (MSc)

⏳ **Duration:** 4 semesters

© **ECTS Credits:** 120

🕐 **Schedule:**
Mon-Fri 4:50-8:10 pm, Sat 8:30 am-4:00 pm
(classroom teaching with online parts)

💬 **Language:** English

👥 **Study places per year:** 20

Connected to the digital future, modern communication technology has made an integral imprint on our everyday lives. Communication Technology determines the speed of innovation and research activities in a variety of business, economics and technical areas. It is connecting people every day everywhere. Understanding and developing communication technologies therefore offer the best opportunities for your professional career.

COURSE INFORMATION

The principle goal of this programme is to prepare our graduates for the dynamic and continuous changes of the digital world and thus, be in the position to successfully participate in its future developments. This practice-oriented degree programme provides our students with the ability to deal with the supposedly incomprehensible chaos of data transmission in technical networks and to plan and regulate modern communication systems. After graduation from this degree programme at Carinthia University of Applied Sciences – campus Klagenfurt, you will have acquired well-established qualifications to undertake the responsibility for activities in private companies or in research institutes.

JOBS AND CAREERS

A communication technology expert is expected to be familiar with all network standards and protocols. Therefore, graduates of the Master of Science degree program have a practical as well as theoretical understanding in all of the following areas:

- Cybersecurity
- 5G and beyond networks
- Network design & management
- Internet of Things
- Legal and ethical frameworks

Moreover, graduates can use their acquired professional and methodological competence to pursue a further scientific specialization in the form of a PhD at a technical university.
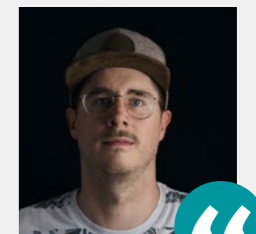
CURRICULUM

1st Semester	ECTS
Academic Skills	5
Digital Signal Processing	5
Information & Probability Theory	5
Wireless Communication	5
Network & IT Management	5
Software Development	5
Total	30

2nd Semester	ECTS
Network Reliability & Cybersecurity	5
Digital Communication	5
Mobile Computing	5
Mobile Networks	5
Network Planning	5
Selected Topics in Software Development	5
Total	30

3rd Semester	ECTS
Cryptography & Authentication	5
Cloud & Edge Computing	5
Internet of Things	5
5G Networks	5
Introduction to Machine Learning	5
Master Project	5
Total	30

4th Semester	ECTS
Data Privacy & Ethics	5
Master Thesis	20
Master Thesis Seminar	2
Master Exam	3
Total	30
Total Sum	120

ECTS = European Credit Transfer System

I received extensive support from the Carinthia University of Applied Sciences as well as my fellow students, so that I could attend lectures – online and distance, self-study or condensed as in-person block lessons. Thus, I was able to successfully complete my studies.

MARCO BLATNIK, MSC

📅 **DATES**
Start: Mid-September 2024

Study guidance:
info@fh-kaernten.at | +43 5 90500 7700

FH Days and information events:
all dates at www.fh-kaernten.at/study-guidance

€ **COSTS**
Tuition fee: € 363.36 per semester

Student Union Fee: around € 22, annual adjustment

✉ **CONTACT**
T: +43 5 90500-3101
M: ce@fh-kaernten.at
W: www.cuas.at/ce