

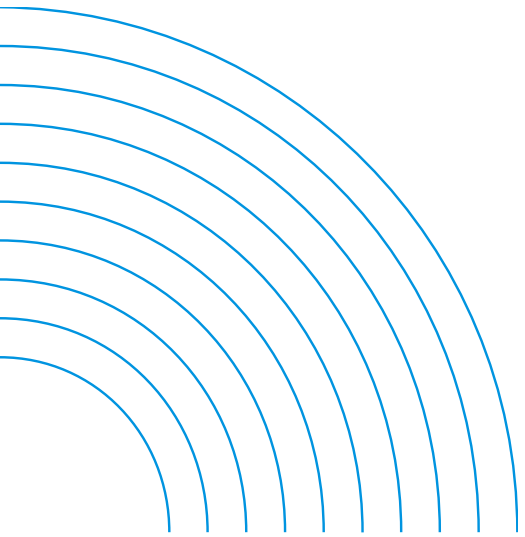
TELECOMMUNICATION SYSTEMS

CORE CURRICULUM (3rd year)

- **Electronics for Radiocommunication:** RF devices and transceivers, signal synthesis
- **High Frequency Technologies:** microwave devices and transceivers, CAD tools, measurement
- **Optical Communications and Photonics:** optical fiber, photonics, optical networks
- **Radio Communication Systems:** antennas, propagation, link budget
- **Digital Signal Processing:** DFT, filters, statistical DSP

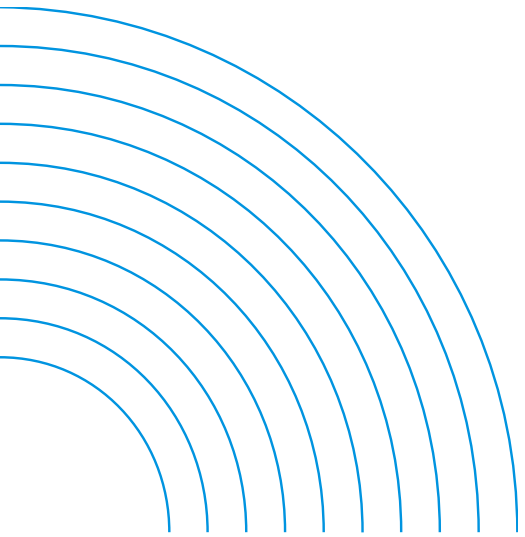
CORE CURRICULUM (4th year)

- **Digital Communications:** synchronization, equalization, coding, multicarrier modulation
- **Spectrum Management:** regulation, planning, enforcement
- **Radio Signals Detection:** radar, remote sensing, navigation, radio identification



ELECTIVE COURSES

- **Bioengineering Fundamentals:** Biomedical signals, diagnosis
- **Quantum Technologies for Communications:** Quantum optics, quantum communication and networks
- **Real-Time DSP:** architectures, practical time and frequency implementations
- **Aerospace Systems Engineering:** Orbits, space/ground/user segments, systems engineering



CAREER PATHS



Space Industry



Quantum Tech



Mobile Communications



Intelligent Connectivity



Automotive Systems



Earth Observation



Health



Chip manufacturing