Master's degree in Applied Telecommunications and Engineering Management (MASTEAM)

**Mandatory courses**

- Optimization for Applied Engineering Design (OPTIM)
  - Chong, Edwin K. P.
    - *An Introduction to optimization*

- Next-generation Wireless Communications and IoT
  - Dargie, Waltenegus
    - *Fundamentals of wireless sensor networks: theory and practice*

- Sensors and Interfaces
  - Fraden, Jacob
    - *Handbook of modern sensors: physics, designs, and applications*

- Network Engineering
  - Chiang, Mung
    - *Networked life: 20 questions and answers*

**Optional courses**

- Software-Defined Radio
  - ETSI
  - China Mobile Research Institute

- Big Data and Data Mining
  - Géron, Aurélien
    - *Hands-on machine learning with scikit-learn & tensorflow: concepts, tools, and techniques to build intelligent systems*

- Applied Image Processing
  - Géron, Aurélien
    - *Hands-on machine learning with scikit-learn & tensorflow: concepts, tools, and techniques to build intelligent systems*

- Sensors and Interfaces
  - Mohanty, Hrushikesha
    - *Big Data: A Primer*