



29th
year

ISTANBUL

OKAN UNIVERSITY

Istanbul Okan University Master's Program in Advanced Electronics And Communication Technologies

Program: Recent advances in electronic and communication technologies have allowed massive transmission of information, such as multimedia, voice, video and data. Today smart phones, TVs and internet are part of our daily life. The search for faster and power efficient devices and systems which keep people and things connected to achieve efficiencies of scale lead governments and corporations to invest in research and development as well as infrastructure in the field of electronics and communication. Performance improvements in communication systems are rooted in novel communication architectures and advances in integrated circuit technologies. Advanced Electronics and Communication Technologies Master of Science program aims to blend communication technologies with analog and digital signal processing with an emphasis on integrated circuit implementation.

Curriculum

- Fundamentals of Engineering Mathematics
- Coding and Digital Modulation Techniques
- DSP Techniques for Communication
- Advanced Electronic Design Techniques
- Digital System Design
- Low Noise Design
- Random Processes and Estimation
- Analysis and Design of SMPS
- Next Generation Mobile Communication
- Cellular Network Planning
- Analog Filters
- RF Circuit Design
- Digital Audio and Video Broadcasting
- Data Converters
- Embedded System Design

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