

**Master's Degree in Information Technologies Engineering  
for Communications and Health / Class LM-27 / 2025–2026**

**COMMON TRACK**

| Year | Course Title                                  | SSD       | ECTS | Semester        |
|------|-----------------------------------------------|-----------|------|-----------------|
| I    | Information Theory and Cryptography (*)       | IINF-03/A | 9    | First semester  |
| I    | Optoelectronics (*)                           | IINF-01/A | 9    | First semester  |
| I    | Communication Networks and Internet           | IINF-03/A | 9    | Second semester |
| I    | Antennas and Propagation in Complex Scenarios | IINF-02/A | 9    | Second semester |
| I    | Elective Course                               | —         | 6    | Second semester |
| II   | Elective Course                               | —         | 6    | Second semester |
| II   | Internship                                    | —         | 12   | Second semester |
| II   | Final Exam                                    | —         | 15   | Second semester |

**COMMUNICATIONS TRACK**

| Year | Course Title                                     | SSD       | ECTS | Semester        |
|------|--------------------------------------------------|-----------|------|-----------------|
| I    | Information System Security (*)                  | IINF-05/A | 9    | First semester  |
| II   | Network Security                                 | IINF-05/A | 6    | First semester  |
| II   | Microwave Remote Sensing                         | IINF-02/A | 12   | First semester  |
| II   | Wireless Systems and Internet of Things          | IINF-03/A | 6    | First semester  |
| II   | Digital Signal Processing for Telecommunications | IINF-03/A | 6    | First semester  |
| II   | Electronics for Telecommunications               | IINF-01/A | 6    | Second semester |

**HEALTH TRACK**

| Year | Course Title                                          | SSD       | ECTS | Semester        |
|------|-------------------------------------------------------|-----------|------|-----------------|
| I    | Fundamentals of Clinical Engineering (*)              | IBIO-01/A | 9    | First semester  |
| II   | Bioengineering for Neurosciences                      | IBIO-01/A | 6    | First semester  |
| II   | Bioelectromagnetics                                   | IINF-02/A | 12   | First semester  |
| II   | Data Analysis for Diagnostics and Biomedicine         | IINF-03/A | 6    | First semester  |
| II   | Digital Signal Processing for Biomedical Applications | IINF-03/A | 6    | First semester  |
| II   | Biomedical Electronics                                | IINF-01/A | 6    | Second semester |

**ELECTIVE COURSES**

| Course Title                                     | SSD       | ECTS | Semester        |
|--------------------------------------------------|-----------|------|-----------------|
| Programmable Electronic Systems                  | IINF-01/A | 6    | Second semester |
| Electromagnetic Compatibility and Safety         | IINF-02/A | 6    | Second semester |
| Statistical Learning and Artificial Intelligence | IINF-03/A | 6    | Second semester |
| Fundamentals of Chemistry                        | CHEM-06/A | 6    | Second semester |

**PREREQUISITES**

No prerequisites required.

(\*) Courses are supported by IT platforms offering simultaneous translation into English.