

BACHELOR DEGREE IN GEOSPATIAL INFORMATION TECHNOLOGIES ENGINEERING

FIRST YEAR

| CODE | SUBJECT | ECTS | TYPE* | SEM |
|-----------|------------------------|------|-------|-----|
| 125000401 | CALCULUS I | 6 | BA | 1º |
| 125000402 | STATISTICS | 6 | BA | 1º |
| 125000406 | PHYSICS I | 6 | BA | 1º |
| 125000408 | SOFTWARE PROGRAMMING I | 6 | BA | 1º |
| 125000416 | GRAPHICAL EXPRESSION | 6 | BA | 1º |
| 125000403 | ALGEBRA AND GEOMETRY | 6 | BA | 2º |
| 125000407 | PHYSICS II | 6 | BA | 2º |
| 125000417 | DATABASES | 6 | BA | 2º |
| 125000427 | TOPOGRAPHY/SURVEYING | 6 | OR | 2º |
| 125000409 | CARTOGRAPHY | 6 | OR | 2º |

SECOND YEAR

| CODE | SUBJECT | ECTS | TYPE* | SEM |
|-----------|--------------------------------------|------|-------|-----|
| 125000404 | CALCULUS II | 4.5 | BA | 3º |
| 125000435 | DIGITAL IMAGES PROCESSING | 4.5 | OR | 3º |
| 125000418 | GEOGRAPHIC INFORMATION SYSTEMS | 4.5 | OR | 3º |
| 125000405 | ADJUSTMENT OF GEOMATIC MEASUREMENTS | 6 | OR | 3º |
| 125000410 | SOFTWARE PROGRAMMING II | 4.5 | BA | 3º |
| 125000428 | GEODESY | 6 | OR | 3º |
| 125000445 | BUSINESS ORGANIZATION AND MANAGEMENT | 6 | BA | 4º |
| 125000429 | SURVEYING METHODS | 6 | OR | 4º |
| 125000431 | PHOTOGRAMMETRY | 4.5 | OR | 4º |
| 125000430 | REMOTE SENSING | 4.5 | OR | 4º |
| 125000420 | MATHEMATIC CARTOGRAPHY | 4.5 | BA | 4º |
| 125000419 | SPATIAL DATA INFRASTRUCTURE | 4.5 | OR | 4º |

THIRD YEAR

BACHELOR DEGREE IN GEOSPATIAL INFORMATION TECHNOLOGIES ENGINEERING

| CODE | SUBJECT | ECTS | TYPE* | SEM |
|-----------|---|------|-------|----------------|
| 125000438 | GEOGRAPHIC INFORMATION MODELLING AND STANDARIZATION | 6 | OR | 5 ^o |
| 125000422 | DESIGN AND CARTOGRAPHIC COMMUNICATION | 6 | OR | 5 ^o |
| 125000423 | SPATIAL DATABASES | 4.5 | OR | 5 ^o |
| 125000436 | TELECOMUNICATION NETWORKS AND SERVICES | 4.5 | OR | 5 ^o |
| 125000439 | GEOGRAPHIC INFORMATION TRANSFORMATION AND INTEGRATION | 4.5 | OR | 5 ^o |
| 125000424 | SPATIAL ANALYSIS | 4.5 | OR | 5 ^o |
| 125000425 | THEMATIC CARTOGRAPHY | 4.5 | OR | 6 ^o |
| 125000412 | WEB SERVICES PROGRAMMING | 4.5 | OR | 6 ^o |
| 125000413 | THIN CLIENTS PROGRAMMING | 6 | OR | 6 ^o |
| 125000434 | APPLIED REMOTE SENSING | 6 | OR | 6 ^o |
| 125000437 | WIRELESS SENSOR NETWORKS | 4.5 | OR | 6 ^o |
| 125000440 | TIME SERIES ANALYSIS | 4.5 | OR | 6 ^o |

FOURTH YEAR

| CODE | SUBJECT | ECTS | TYPE* | SEM |
|-----------|--|------|-------|----------------|
| 125000426 | SPATIA DATA INFRASTRUCTURES II | 4.5 | OR | 7 ^o |
| 125000421 | DESIGN AND MANAGEMENT OF GIS PROJECTS | 4.5 | OR | 7 ^o |
| 125000442 | SPATIAL DECISION SUPPORT SYSTEM | 4.5 | OR | 7 ^o |
| 125000411 | DESIGN AND MANAGEMENT SOFTWARE PROJECTS | 4.5 | OR | 7 ^o |
| 125000441 | GEOSPATIAL TECHNOLOGIES APPLICATIONS PROJECTS | 6 | OR | 7 ^o |
| 125000448 | ENGLISH FOR PROFESSIONAL AND ACADEMIC COMMUNICATION | 6 | OR | 7 ^o |
| 125000447 | PROJECT MANAGEMENT AND TECHNOLOGY ASSETS | 6 | OR | 8 ^o |
| 125000400 | FINAL DEGREE PROJECT | 12 | TFG | 8 ^o |
| 125000414 | COMPUTING GRAPHICS / COMPUTER GRAPHICS | 6 | OP | 8 ^o |
| 125000415 | DEVELOPMENT OF GEOMATIC APPLICATIONS ON MORILE DEVICES | 6 | OP | 8 ^o |
| 125000433 | CADASTRAL VALUATION AND MANAGEMENT | 6 | OP | 8 ^o |
| 125000443 | SPATIAL DECISION SUPPORT SYSTEM | 6 | OP | 8 ^o |
| 125000444 | NATURAL RISKS | 6 | OP | 8 ^o |
| 125000446 | CIVIL AND ADMINISTRATIVE LAW | 6 | OP | 8 ^o |
| 125000432 | BUILDING INFORMATION MODELLING (BIM) | | | |
| | <i>EXTERNAL INTERNSHIPS (PRACTICUM)</i> | 6/12 | OP | 8 ^o |

Students must select 18 ECTS among the OPtative subjects from the 8^o semester.

* Type of subject: BA: Basic. OR: orientation OP: optional