**BACHELOR PROGRAM OF STUDY**

**LAND MEASUREMENTS AND CADASTRE**

**1ST YEAR**

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| **SEMESTER I** | | |
| *Code* | *Subject* | *Credits* |
| MTC.01.F.01 | Mathematical analysis | 5 |
| MTC.06.C.01 | Foreign languages (English) | 2 |
| MTC.05.C.01 | Physical education and sports |  |
| MTC.04.F.01 | Drafting and infographics | 5 |
| MTC.03.F.01 | Geodesic instruments and measurement methods | 8 |
| MTC.02.F.01 | Linear algebra, analytical and differential geometry | 5 |
| **SEMESTER II** | | |
| MTC.07.F.02 | Mathematical analysis | 5 |
| MTC.14.C.02 | Foreign languages (English) | 2 |
| MTC.13.C.02 | Physical education and sports | 3 |
| MTC.12.D.02 | Geometric representations of topographic surfaces | 4 |
| MTC.10.F.02 | Physics | 5 |
| MTC.09.F.02 | Descriptive geometry | 5 |
| MTC.08.F.02 | Drafting and infographics | 5 |
| MTC.11.D.02 | Geometric representations of topographic surfaces | 2 |

**2ND YEAR**

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| **SEMESTER I** | | |
| *Code* | *Subject* | *Credits* |
| MTC.01.D.03 | Topography | 3 |
| MTC.08.C.03 | Physical education and sports |  |
| MTC.07.D.03 | Geodetic astronomy | 5 |
| MTC.06.D.03 | Territorial landscaping and urbanism | 5 |
| MTC.05.D.03 | Geometric bases of photogrammetry | 5 |
| MTC.04.D.03 | Ellipsoid geodesy | 5 |
| MTC.03.D.03 | Theory of processing geodetic measurements | 5 |
| MTC.02.D.03 | Topography Project | 2 |
| **SEMESTER II** | | |
| MTC.09.D.04 | Topography | 4 |
| MTC.17.C.04 | Physical education and sports | 3 |
| MTC.16.D.04 | Practice in the field (geodesy, photogrammetry) | 4 |
| MTC.15.D.04 | Cartography- Project | 2 |
| MTC.14.D.04 | Cartography | 3 |
| MTC.13.D.04 | Computer systems in terrestrial measurements | 4 |
| MTC.12.D.04 | Geodetic gravimetry | 4 |
| MTC.11.D.04 | Geodesy - Project | 2 |
| MTC.10.D.04 | Geodesy | 2 |

**3RD YEAR**

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| **SEMESTER I** | | |
| *Code* | *Subject* | *Credits* |
| MTC.01.D.05 | Photogrammetry | 5 |
| MTC.06.D.05 | Geographic information systems (GIS) | 6 |
| MTC.05.D.05 | Pedology | 5 |
| MTC.04.D.05 | Cadastre Project | 2 |
| MTC.03.D.05 | Cadastre | 3 |
| **SEMESTER II** | | |
| MTC.02.D.05 | Geodetic measurements by waves | 5 |
| MTC.08.D.06 | Cartographic projections | 4 |
| MTC.12.S.06 | Underground measurements | 3 |
| MTC.11.S.06 | Satellite geodesy | 5 |
| MTC.10.S.06 | Cartographic drawing | 3 |
| MTC.09.S.06 | Cadastral mapping and rating | 3 |
| MTC.07.D.06 | Cadastre | 4 |

**4TH YEAR**

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| **SEMESTER I** | | |
| *Code* | *Subject* | *Credits* |
| MTC.01.S.07 | Physical geography | 4 |
| MTC.07.D.07 | Foreign languages (English) | 2 |
| MTC.06.S.07 | Protected natural areas | 4 |
| MTC.05.S.07 | Remote sensing | 6 |
| MTC.04.S.07 | Real estate valuation - Project | 3 |
| MTC.03.S.07 | Real estate valuation | 4 |
| MTC.02.S.07 | Institutions of law and cadastral land legislation | 4 |
| **SEMESTER II** | | |
| MTC.08.S.08 | Real estate evaluation (land and buildings) | 4 |
| MTC.09.S.08 | Management of cadastre works | 4 |
| MTC.10.S.08 | Geographic information systems (GIS) | 4 |
| MTC.11.S.08 | Monitoring land stability and building deformation | 4 |
| MTC.14.D.08 | Modern languages (English) | 2 |