**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 |