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| Label | EUR-ACE® |
| Higher Education Institution | ETSI Topografía Geodesia y Cartografía Universidad Politécnica de Madrid |
| Country | Spain |
| State/Province | Madrid/Madrid |
| Name of the Programme | <i>Bachelor's Degree in Geomatics and Surveying Engineering</i> |
| Degree Awarded | <i>Bachelor's Degree</i> |
| Qualification Level | <i>First Cycle</i> |
| Programme Objectives; Profile | <p><i>To design, implement and/or manage processes of acquisition, structuring, analysis and visualization of spatial data (metric and geographic) for the production of both metric and thematic models of reality geared towards planning and decision making on territory.</i></p> <p><i>To design, implement and/or manage spatial data bases required in other fields of engineering and, to a great extent, by the information society.</i></p> <p><i>The Degree enables the graduate to exercise the regulated practice of the Surveying and Geomatics profession.</i></p> |
| Programme Duration | <i>8 Semesters</i> |
| Total Number of ECTS Credits Awarded | <i>240 ECTS</i> |
| Brief Description of the Programme | <p><i>Basic training: (25%) 60 ECTS</i></p> <p><i>Common to Surveying branch: (30%) 72 ECTS</i></p> <p><i>Specific technology: (23,1%) 55,5 ECTS</i></p> <p><i>Intensifications: (14,4%) 34,5 ECTS</i></p> <p><i>University activities: (2,5%) 6 ECTS</i></p> <p><i>End-of-degree Thesis: (5%) 12 ECTS</i></p> |
| Examples of Very Good Practice | <ul style="list-style-type: none"> <i>The degree profile maintains its relevance and has been updated in accordance with the requirements of its academic, scientific and professional field of knowledge, as well as with The Order CIN 353/ 2009.</i> |

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| | <ul style="list-style-type: none"> • <i>The Teaching or professional expertise of the academic staff is adequate for both the nature and competencies defined in the Degree.</i> • <i>The School has a consolidated Educational Innovation Group and 45% of the degree's teaching staff are involved in educational innovation projects which deserves to be highlighted.</i> • <i>Facilities (classrooms and their equipment, work and study spaces, laboratories, workshops and experimental spaces, libraries, etc.) are adequate for the number of students and for the training activities programmed in the degree.</i> • <i>Academic guidance and support services are correct and support the needs of students throughout University life.</i> |
| <ul style="list-style-type: none"> • Accredited without / with Adjustment Requirements | <p>Accredited with Adjustment Requirements</p> |
| <p>Adjustment Requirements</p> | <p><i>Adjustment Requirement 1</i></p> <ul style="list-style-type: none"> • <i>The implementation of the quality system and its use should be promoted so that it becomes common practice with verifiable evidence.</i> <p><i>Adjustment Requirement 2</i></p> <ul style="list-style-type: none"> • <i>The training and research activities of the academic staff related to this degree should be strengthened in order to update state-of-the-art knowledge and to master emerging technologies in their field of knowledge.</i> <p><i>Adjustment Requirement 3</i></p> <ul style="list-style-type: none"> • <i>The number of training activities and their weight in the training programme should be increased in relation to:</i> <ol style="list-style-type: none"> <i>Knowledge and understanding (Output "An adequate knowledge of this branch of engineering that includes some cutting- edge knowledge in this field").</i> <i>Analysis in engineering (Outputs "Ability to apply their knowledge and understanding to the analysis of the engineering of products, processes and methods" and "Ability to select and apply relevant analytical and modelling methods").</i> <i>And of specific innovation and research activities as well as including new training activities in order to acquire</i> |

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| | <i>the projected learning outcomes of engineering projects.</i> |
| Accredited by | ANECA-IIE |
| Accredited | <i>From March 13, 2017 to March 13, 2019</i> |