**U-tad, the first Spanish university to offer a double degree in Software Engineering and Computational Physics**

* *This degree provides specialized training in a wide range of fields, from aeronautic and automotive engineering to pharmaceutical development.*

**Madrid, December 1, 2020** [U-tad](https://www.u-tad.com/)The University Center of Technology and Digital Art has become the first Spanish university to offer a double degree in [Software Engineering and Computational Physics](http://www.u-tad.com/catalogos/U-tad_Doble-Grado_Ingenieria-del-Software-y-Fisica-Computacional.pdf)a degree that expands professional opportunities and trains highly qualified individuals in system simulation for diverse sectors, including aeronautics, automotive, materials science, pharmaceuticals, quantum computing, meteorology, autonomous machines, and everything related to Industry 4.0.

U-tad is the only European university founded by digital industry professionals, most of whom are still active in the business world. Their experience has revealed the market need for professionals with this type of background, which is why this double degree will be introduced in the 21/22 academic year.

"*We sense that the demand for professionals trained in AI, physical simulation, and thermodynamics is growing, particularly in the development of robotic assistants for healthcare, quantum computing, scientific and technological consultancy, etc. This requires a range of multidisciplinary and specialized knowledge,”* explains Javier Algarra, U-tad's Science and Engineering academic director.

**Specific projects**

The double degree in Software Engineering and Computational Physics involves students developing specific projects leading to high employability. Past projects have included a firefighting simulation, a predictive model for bank loans, neural data aggregator development, and an artificial vision learning project applied to videogames, among many others.

Over five years, students will specialize in subjects such as programming, quantum computing, artificial intelligence, thermodynamics and mechanics, electromagnetism, quantum physics, analysis and design of complex algorithms, mathematical methods for physics or simulation of effects, preparing them to work on the most important and innovative projects in business and science.

UNIVERSITY CENTER FOR TECHNOLOGY AND DIGITAL ART

U-tad is the first University Center specialized in training in key areas associated with the digital economy value chain: Software Engineering, Digital Design, Animation, Interactive Product Design and Video Games, Mathematics, Computational Physics, Virtual Reality, Big Data, Cybersecurity, etc. A unique institution in Spain oriented to train the leaders of the current and future digital industry, with teachers from the best companies in the industry. A first-class international center, based on excellence, innovation, and technology, that fosters the development of talent and prepares its students for the digital professions [www.u-tad.com](http://www.u-tad.com)

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