



## Online Certificate Program titled Hands-On Nanotechnologies

*Offered by the NASCENT Nanosystems Center at UT-Austin*

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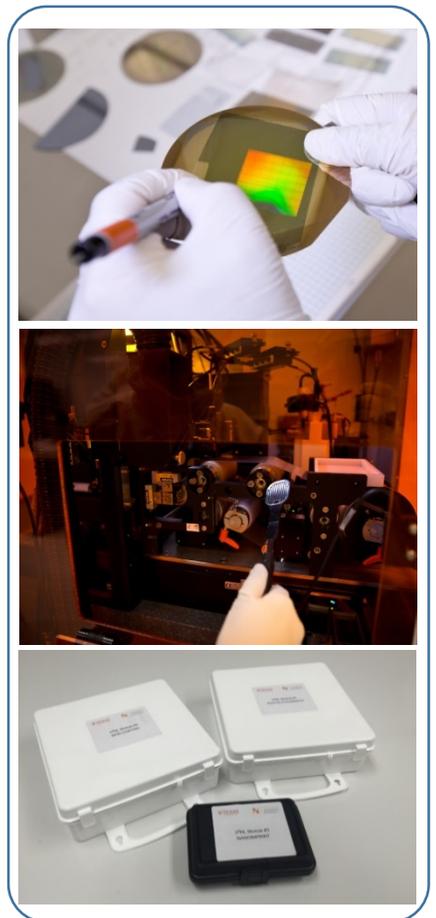
St. Edward's University and The University of Texas at Austin (UT-Austin) are partnering to offer a new online certificate program titled Hands-on Nanotechnologies, open to upper-level science majors. Nanotechnology is a rapidly growing field where novel nanoscience concepts are increasingly being deployed at societal scales in the areas of electronics, healthcare and energy. The NASCENT Center at UT-Austin is at the forefront of this interdisciplinary field both in research and education. This certificate program offers the opportunity for students to learn about scalable nanofabrication techniques, nano-scale devices used in the electronics, energy, and photonics industries, and innovation training with an emphasis on nanotech commercialization. The program consists of three courses offered by UT Austin, each one semester-long and worth three credit-hours:

- Nanofabrication and Nanomaterials (Fall, Jr. Year)
- Nanoscale Devices (Spring, Jr. Year)
- Nanotechnology Innovation (Fall, Sr. year)

In addition to the courses, qualifying students will be connected with opportunities for academic summer nano-research experiences, and corporate internships.

This certificate program will consist of course materials offered online through a learning management system in conjunction with innovative portable nano-labs that will enable hands-on experience for the students. The program will leverage the NASCENT Center's unique nanomanufacturing facility to create the portable nano-labs. The students will be able to use these portable nano-labs to make and test nano-scale structures and nano-enabled devices. The nano-labs will be designed specifically to expose the students to societally relevant problems in the emerging nanotechnology field.

If you're interested in registering for this Certificate Program, please contact Paul Walter. You can learn more about The NASCENT Center at: <http://nascent-erc.org>.



*Online Certificate Program in Hands-On Nanotechnologies*

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