

8.24x17.54	55	6 עמוד	THE JERUSALEM POST - FRONT	01/01/2012	30223356-4
2602					

## NEW WORLDS

• By JUDY SIEGEL-ITZKOVICH

### LARGE & TINY

The Sami Shamoon College of Engineering in Beersheba has launched a state-of-the-art nanoscience education program to provide students with valuable hands-on skills and training in the developing field. Israel will be the first college in the country to implement the NanoProfessor Nanoscience Education Program. As Israel's largest engineering college, the institution is focused on educating students in engineering and technology through innovative instruction and R&D. Students are provided with instrumentation, curriculum and hands-on labs to expand students' understanding, skills and real-world experience needed to succeed in the growing nanotechnology industry.

Nanotechnology is the study of manipulating matter on an atomic and molecular scale, usually leading to the development of materials and devices possessing at least one dimension and sized from one to 100 nanometers (each is one-billionth of a meter).

"Becoming the first school in Israel to implement the program ensures that our students will gain the professional training necessary to become leaders in Israel's nanotechnology industry," said Jehuda Hadad, the college's president. The cutting-edge program will help it offer a skilled workforce to the more than 65 Israeli corporations already engaged in nanotech-related businesses, he said.

"We are excited to bring the NanoProfessor Nanoscience Education Program to SCE to support the college in continuing Israel's tradition of scientific excellence," said Dean Hart, chief commercial officer at NanoInk. "Israel has the third largest concentration of nanotech startup companies in the world," he said, adding that it will help meet the growing demand within Israel for nano-savvy workers by providing Shamoon College students with valuable training using the same equipment and materials used by professionals in the nanotechnology field today.

The program alternates between classroom lectures and hands-on lab work and includes a textbook authored by leading nanotechnology experts, covering the topics of nanotechnology basics, nanophysics, nanochemistry, nanobiology and environmental, health and safety perspectives on nanotechnology.