



2022 EMPOWER STEM Undergraduate Laboratory Experience in Printable Electronics

\$1500 for on campus week May 16 – 20, 2022

Application Deadline: March 28, 2022



Learn to make solar cells, transistors, and electrochromics

Participants in the 40 hour, week-long boot camp will:

- Learn to make thin layer films and devices for optoelectronics, including solar cells (light to electricity), transistors (signal amplifiers for sensing), and electrochromics (devices that change color with the application of an electric field)
- Work in a state of the art laboratory for fabrication and testing of flexible electronics
- Undertake hypothesis-driven experiments in small teams, under guidance of graduate students and Chemical Engineering faculty
- Participate in tours around campus and a final showcase with peers highlighting results



Required background and experience:

- Must be a current University of Arizona undergraduate student graduating after May 2022
- Must be excited about printable electronics

Preferred background and experience:

- Strong interest in pursuing a scientific career at a national laboratory (Department of Defense preferred)

Application Link: <https://energy.arizona.edu/printable-electronics-undergraduate-boot-camp>

Anticipated Decision Date: April 8, 2022

