

# CHANGING THE WORLD WITH CHIPS:

## ENGR 103 - INTRO TO SEMICONDUCTORS

1-CREDIT COURSE (CRN 15199)  
WEDNESDAYS • 4:30 PM - 5:20 PM • WALC 1018

*Open to all students in the College of Engineering, Polytechnic Institute, and College of Science (Departments of Chemistry, Computer Science, Math, and Physics).*

This course will introduce students to semiconductor technology and the broad range of opportunities within the semiconductor industry. Speakers from some of the largest companies in the world (listed below) will engage students on a weekly basis. Participants in the course will develop their professional network while being presented with resources and opportunities to prepare for exciting careers in the semiconductor industry. The following are topics that will be covered in this course:

- Logic microprocessors
- Memory technology
- Designing semiconductor electronics
- Manufacturing facilities
- Semiconductor modeling tools
- Sustainable semiconductor manufacturing processes
- Non-silicon semiconductor electronics
- Automobile industry and semiconductors
- Digital healthcare technology and semiconductors



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