ENGR 103:

CHANGING THE WORLD WITH CHIPS:

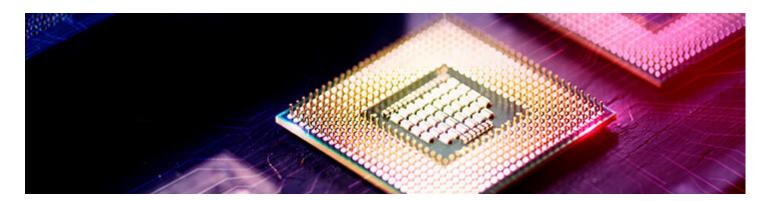**PURDUE UNIVERSITY®**

1-CREDIT COURSE (CRN 15199)
WEDNESDAYS • 4:30 PM - 5:20 PM • WALC 2087

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. 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. Last semester, speakers from some of the largest companies in the world, including Google, Microsoft, Intel and Tesla, engaged with students on a weekly basis. The schedule of employers is currently being finalized for the Spring 2025 semester. The following are topics that were covered in the previous section of 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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