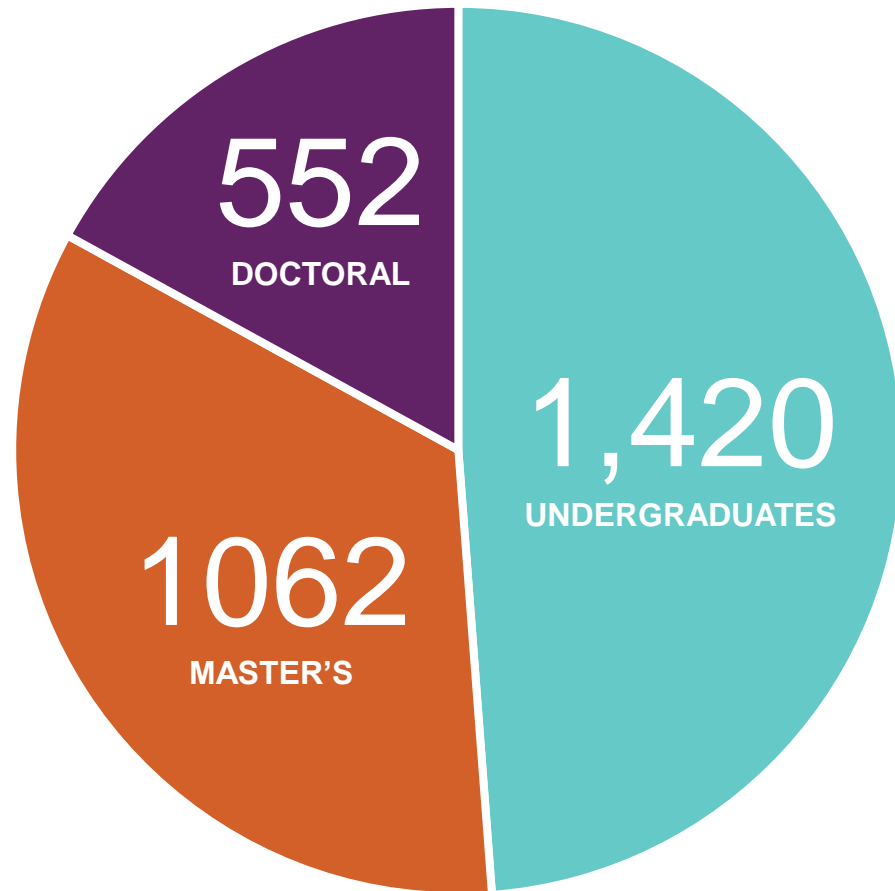


# Engineering Students 2022-2023



## First-Year Engineering Students Class of 2026

- 6,438 applicants
- 594 admitted (~9% admit rate)
- 41% identify as women, compared to national average of ~22%
- One-third identify as students of color
- 28% are Pell Grant-eligible (WashU: 20%)
- 20% are first-generation students

**60%**

First-year undergraduate students  
are women or underrepresented  
minorities

# Women & Engineering Center

- First full-time director – Fall 22  
Christine Dearmont
- Year 1 goal: Identify and execute programs previously managed by the W&E Initiative, and build community
- Women & Engineering Leadership Society
  - **Received over 200 applications- more than 2x the previous standard**
  - **Opened enrollment to master's and Ph.D. students for the first time- great response and participation**
  - **Nearly doubled the number of mentors needed**
- Women & Engineering Leadership Summit, March 4, 2023



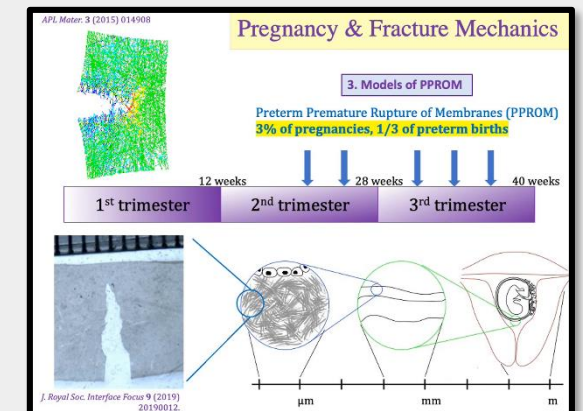
# Center for Women's Health Engineering

## Women's Health Technologies Initiative

- Engineering-led, partnering with Ob/Gyn in the medical school
- Advances novel engineering approaches to prevention, diagnosis and treatment of women's health issues, including maternal health and cancers of the reproductive system

## Core faculty:

- Michelle Oyen — BME
- Christine O'Brien — BME
- Quing Zhu — BME
- Yong Wang — Ob/Gyn & ESE
- Chuan Wang — ESE



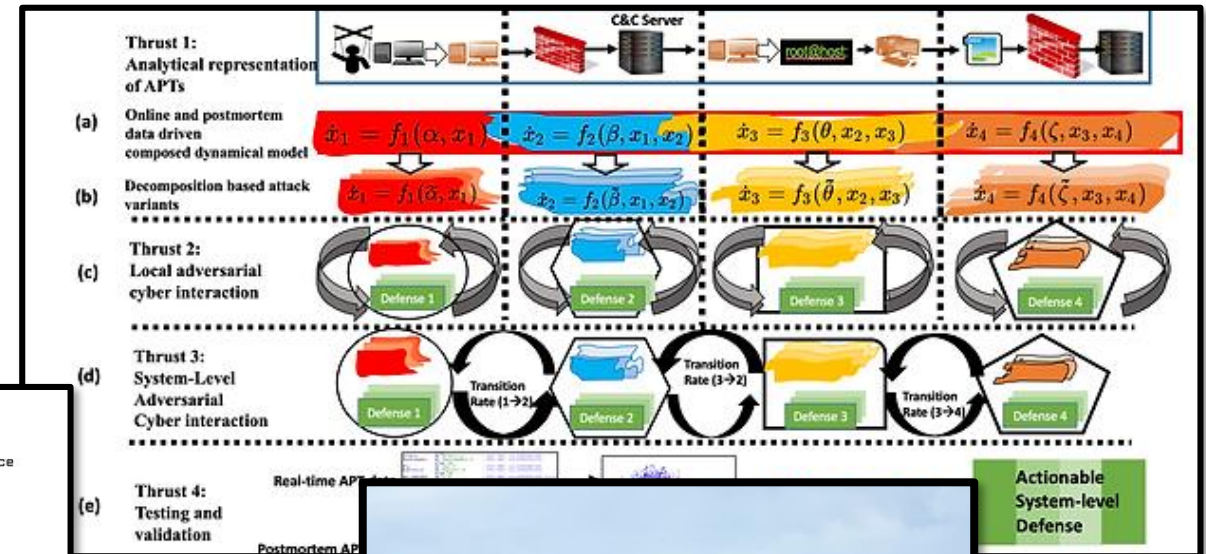
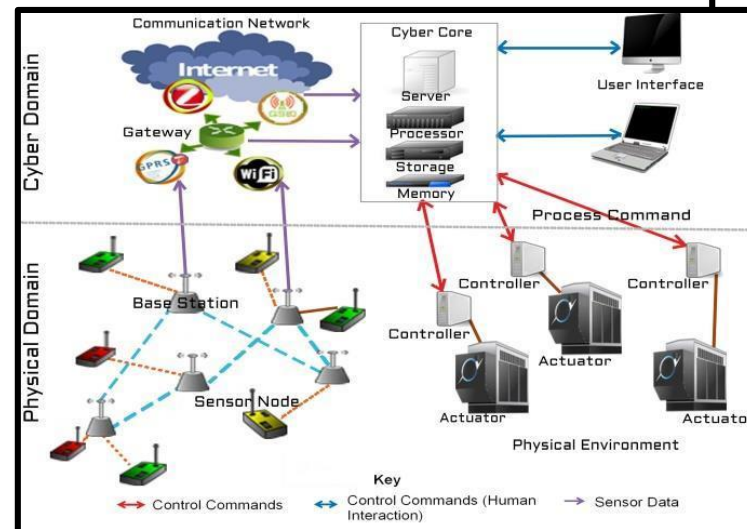
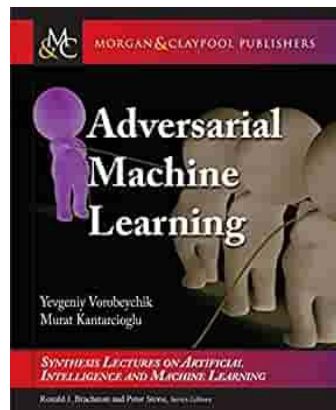


# McKelvey Engineering research: *Secure AI and Cyberphysical Systems*



Fundamental questions:

- 1) How can you guarantee safety of control systems when the controllers are learned from data?
- 2) How do you secure systems that learn?





# The tsunami of CS education – Fall 2022

CS-related Program	TOTAL	McK	M%	Not McK	NM%
B.S. IN BUSINESS AND COMPUTER SCIENCE	54	54	100%	0	0%
B.S. IN COMPUTER ENGINEERING	81				
B.S. IN COMPUTER SCIENCE	532				
B.S. IN COMPUTER SCIENCE + ECONOMICS	38				
B.S. IN COMPUTER SCIENCE + MATHEMATICS	72				
B.S. IN DATA SCIENCE	25				
MINOR IN BIOINFORMATICS	42	26	62%	16	38%
MINOR IN COMPUTER SCIENCE	207	65	31%	142	69%
MINOR IN HUMAN-COMPUTER INTERACTION	70	62	89%	8	11%
SECOND MAJOR IN COMPUTER SCIENCE	75	18	24%	57	76%
SECOND MAJOR IN COMPUTER SCIENCE + MATHEMATICS	7	0	0%	7	100%
SECOND MAJOR IN DATA SCIENCE	2	0	0%	2	100%
	1205				



## But we're moving the gender needle – Fall 2022

CS-related Program	TOTAL	Female	F%
B.S. IN BUSINESS AND COMPUTER SCIENCE	54	17	31%
B.S. IN COMPUTER ENGINEERING	81	17	21%
B.S. IN COMPUTER SCIENCE	532	165	31%
B.S. IN COMPUTER SCIENCE + ECONOMICS	38	11	29%
B.S. IN COMPUTER SCIENCE + MATHEMATICS	72	22	31%
B.S. IN DATA SCIENCE	25	8	32%
MINOR IN BIOINFORMATICS	42	27	64%
MINOR IN COMPUTER SCIENCE	207	77	37%
MINOR IN HUMAN-COMPUTER INTERACTION	70	46	66%
SECOND MAJOR IN COMPUTER SCIENCE	75	27	36%
SECOND MAJOR IN COMPUTER SCIENCE + MATHEMATICS	7	1	14%
SECOND MAJOR IN DATA SCIENCE	2	1	50%
	1205	419	35%