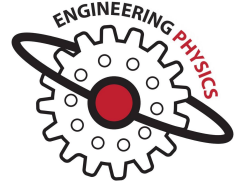




# UBC Engineering Physics

Engineering + Physics = Technology Innovation



## WANTED:

Students interested in invention, entrepreneurship, and discovery!



Emerging industries and top graduate schools



D:wave  
The Quantum Computing Company™



SPACEX



Y Combinator

### What is Engineering Physics?

“Fizz” is a fully-accredited engineering program with an extra emphasis on math and physics for students who want to work at the forefront of technology and science. Fizz is like a full engineering degree *plus* most of an undergraduate degree in math or physics. Engineering Physics started to appear at leading engineering schools in the 1950s ('54 at UBC) when it was realized that rapidly advancing technology frontiers like nuclear energy, aerospace, and computers, required engineers with a deep understanding of physics. This need is even clearer today, and UBC's Engineering Physics program has an established record of producing leaders in discovery, innovation, and entrepreneurship.

### What can I do with an Engineering Physics degree?

With deeper training in math and physics, you'll be prepared to work at the forefront of any field, whether that means joining a high tech company, starting your own venture, or pursuing a PhD and becoming a professor. Our graduates work in many fields:

- Artificial intelligence
- Quantum computing
- Medicine and biotechnology
- Aerospace and drones
- Robotics, automation, and control
- Self-driving cars
- Clean energy & sustainability
- Quantitative finance

### What's special about Engineering Physics at UBC?

**Community:** We are a small, tight-knit program that accepts a handful of the strongest engineering students at UBC. We strive to build community within EngPhys via a mentorship program that connects senior and junior students. We also work closely with our deep network of industry and academic partners, who sponsor capstone projects and hire our co-op students and graduates.

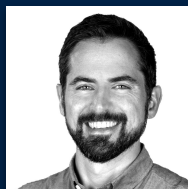
**Emphasis on project-based learning:** We are strong believers in putting theory into practice. In EngPhys, you'll undertake an intensive project-based course in each of your four years with us. You'll build an autonomous robot from scratch (no kits!), you'll develop a simulated AI-powered self-driving car, and you'll take on two self-directed “capstone” projects with leading researchers and companies. We have three full-time staff dedicated 100% to project courses. You'll graduate ready to apply a strong set of analytical and hands-on skills.

## How do I learn more?

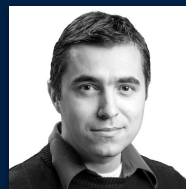
We're inviting students, parents, and teachers to Join us via Zoom on Tuesday, March 8th, 2022, 4:00 - 6:00 pm, to learn about Engineering Physics. >> [REGISTER HERE](#) << for the event.



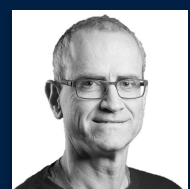
Prof. Andre Marziali  
EngPhys Program Director



Dylan Gunn  
Project Lab Director



Miti Isbasescu  
Head, Software and AI



Bernhard Zender  
Mech. and Fab. Lead