

## Future of Technology Program (Online)- Program Topics

The Future of Technology program curriculum covers the following topics:

The eight-week Future of Technology program will provide both the foundation and the framework you need to successfully navigate the fourth industrial revolution. There are four live "deep dive" sessions with Berkeley Haas faculty, and after each module you will apply the emerging trends and strategic considerations of each technology to your own organization.

### **Module 1 | Introduction to Tech Futures**

One of the most challenging aspects of navigating the future of technology is trying to harness opportunities amid the rush of constant change. Get a solid starting point with this comprehensive overview.

### **Module 2 | Artificial Intelligence and Data Science**

The future of technology will largely be enabled by AI. This module will get you up to speed on the current and future capabilities of artificial intelligence and machine learning, deep learning, and data science. Learn the key actors in the space and how your business should incorporate AI and big data into strategic considerations.

### **Module 3 | Compute Power**

As the backbone of digital, compute power is the key to the future. Learn about real-world applications of edge computing, neuromorphic computing, and quantum computing, including autonomous vehicles and information security. Also, prepare for challenges such as politicized supply chains and energy consumption of data centers.

### **Module 4 | Internet of Everything**

The Internet of Everything (IoE) enables objects, data, processes, and people to all operate in concert in the emerging "cognitive era." Get the big picture of how the IoE is changing communications between people and machines, and how that impacts industries such as transport and logistics. In addition, learn about new opportunities involving virtual reality (VR) and augmented reality (AR).

### **Module 5 | Robotics and Automation**

Take a deep dive into which tasks are automatable today and what the future may hold. This overview includes a look at the capabilities and applications of robotics, such as warehouse robots, domestic robots, and medical robots. Learn colliding trends and strategic considerations of robotics and automation for your business.

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### Module 6 | Cybersecurity

Get a foundational understanding of the taxonomy of cyber incidents and cyberthreats. In addition, meet key actors in cybersecurity, including seven types of hackers and the cybersecurity strategists, CISO allies, and government entities trying to stop them. Finally, learn to identify and prevent ongoing threats, such as the triangulation of your employees' data footprint and the challenges of deepfakes.

### Module 7 | Fintech and Blockchain

Get an overview of Fintech Revolution 2.0 and how it is different from Fintech Revolution 1.0 — and why that matters. Learn the real-world applications of recent innovations in the financial sector, including stablecoins, micro-payments, decentralized finance, and crypto lending platforms.

### Module 8 | Portfolio Strategy

It all comes together in this module where you not only learn why strategic foresight is important, but also how to develop it using the proprietary FLP-IT framework. You will start thinking of technology in four stages, that help align your tech investments with your opportunity horizons for a more forward-leaning innovation portfolio.

### Capstone Project

The program culminates with you applying what you have learned by using the proprietary FLP-IT framework from Berkeley Haas to assess future-oriented tech scenarios and harness opportunities amid disruption by focusing on Forces, Logic, Phenomena, Impact, and Triage.