
This document contains the complete list of courses I have taken during my undergraduate and graduate studies. It is provided as an overview of my academic background rather than as a transcript.

UNIVERSITY OF PENNSYLVANIA

Fall 2025

ESE546	Principles of Deep Learning
MEAM517	Control and Optimization for Applications in Robotics

Spring 2025

CIS520	Machine Learning
MEAM623	Learning and Control for Reactive and Adaptive Robots
MEAM624	Distributed Robotics

Fall 2024

ESE500	Linear Systems Theory
MEAM510	Design of Mechatronic Systems
MEAM520	Introduction to Robotics

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Spring 2024

ChE488	Convex Optimization Techniques
HSS4	The Korean War
ME394	Capstone Senior Mechanical Engineering Design
ME422	Fundamentals of Aerodynamics
ME493	Methods of Data-Driven Control (Independent Study)
ME493	Compressible and Open Channel Flow (Independent Study)

Fall 2023

ECE472	Deep Learning
ME312	Manufacturing Engineering
ME331	Advanced Thermodynamics
ME393	Mechanical Engineering Projects
ME440	Advanced Fluid Mechanics
ME451	Modern Control
VIP381	Smart Cities (Vertically Integrated Project)

Spring 2023

ME301	Mechanical Vibrations
ME342	Heat Transfer: Fundamentals and Design Applications
ME353	Mechatronics
ME360	Engineering Experimentation
ME424	Space Dynamics
Ph429	Chaos and Nonlinear Dynamics (Independent Study)

Fall 2022

ESC340	Fluid Mechanics and Flow Systems
Ma326	Linear Algebra
ME300	Stress and Applied Elasticity
ME351	Feedback Control Systems
ME352	Process Control Laboratory
ME457	Drone Control

Summer 2022

SS334	Microeconomics
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Spring 2022

ESC201	Mechanics of Materials
ESC221	Basic Principles of Electrical Engineering
ESC251	Systems Engineering
ESC330	Engineering Thermodynamics
HSS4	Modern Islamic Thought
Ma224	Probability
ME211	Design and Prototyping
Ph214	Physics III: Optics and Modern Physics

Fall 2021

EID116	Musical Instrument Design
ESC210	Materials Science
HSS3	The Making of Modern Society
Ma240	Ordinary and Partial Differential Equations
ME200	Dynamics
Ph213	Physics II: Electromagnetic Phenomena
Ph291	Introductory Physics Laboratory

Summer 2021

Ma223	Vector Calculus
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Spring 2021

Ch111	General Chemistry Laboratory
ECE264	Data Structures and Algorithms I
EID103	Principles of Design
HSS2	Texts and Contexts: Old Worlds and New
Ma113	Calculus II
ME102	Statics
Ph112	Physics I: Mechanics

Fall 2020

Ch110	General Chemistry
CS102	Computer Programming for Engineering
EID101	Engineering Design and Problem Solving
EID102	Engineering Graphics
HSS1	Freshman Seminar
Ma110	Introduction to Linear Algebra
Ma111	Calculus I