

MIT Coursework

BS 21' Major: Bioengineering, Minor: Mechanical Engineering | GPA: 5.0/5.0

MS 24' Major: Mechanical Engineering | GPA: 5.0/5.0

**Note not all courses taken are listed here*

For official academic transcript, please email me at hhigginb@mit.edu

Bioengineering		
20.109	Lab Fundamentals in Biological Engineering	12
20.110	Thermodynamics of Biomolecular Systems	12
20.309	Instrumentation & Measurement for Biol. Sys.	12
20.320	Biomolecular & Cellular Systems	12
20.330	Fields, Forces, Flows	12
20.380	Biological Engineering Design	12
Mechanical Engineering		
2.001	Mechanics and Materials I	12
2.003	Dynamics and Control I	12
2.007-8	Design and Manufacturing I & II	24
2.810	Manufacturing Processes and Systems	12
2.086	Numerical Computation	12
2.131	Advanced Instrumentation and Measurement	12
2.156	AI and ML for Engineering Design	12
2.720	Elements of Mechanical Design	12
2.740	Bio-inspired Robotics	12
2.750	Medical Device Design	12
2.734	Engineering Systems Development	12
EC.729	D-Lab: Design for Scale	12
EC.793	D-Lab: Hardware Design for International Development	12
Engineering & Leadership		
16.650	Engineering Leadership Lab	3
16.651	Engineering Leadership	3
2.723	Engineering Innovation and Design	6
2.EPE	UPOP Engineer Practice Experience	1

2.EPW	UPOP Engineer Practice Workshop	1
Other STEM		
18.03	Differential Equations	12
2.095	Finite Element Methods	12
8.02	Physics II	12
5.12	Organic Chemistry	12
6.00	Intro: Computer Science & Programming	12
7.03	Genetics	12
7.05	General Biochemistry	12
7.06	Cell Biology	12
Humanities		
21L.021	Comedy	12
21M.361	Electronic Music Composition	12
9.00	Psychology	12
21W.729	Engineering Communication in Context	12
21A.00	Introduction to Anthropology	12
21A.501	Art, Craft, Science	12
21A.157	The Meaning of Life	12
ES.92	Authenticity: Prison Initiative	6
21G.401	German I	12