

Biophysics as an Undergraduate @ MIT

Flexible physics option together with a minor in biology. Please meet with Flexible Major Coordinator to approve and document official requirements.

First year

Fall	Spring
8.01: Physics I	8.02: Physics II
18.01: Calculus	18.02: Calculus
5.111: Principles of Chemical Science	7.012/7.013: Introductory Biology
HASS	HASS

Second year

Fall	Spring
8.03: Physics III	8.04: Quantum Mechanics I
18.03: Differential Equations	8.044: Statistical Physics I
5.12: Organic Chemistry I	7.10J/20.111J: Phys Chem of Bio System
HASS	HASS

IAP, 8.20: Introduction to Special Relativity

Third year

Fall	Spring
8.13: Experimental Physics I (or 8.225/8.226 for CI-M)*	8.241: Introduction to Biological Physics
7.03: Genetics	20.109*: Laboratory Fundamentals in Biological Engineering (or 7.02)
18.440 or 6.042J: Probability***	7.05: General biochemistry
HASS	HASS

* 8.13, 7.02, or 20.109 can satisfy CI-M with approval of Flexible Major Coordinator

Fourth year

Fall	Spring
8.591J: Systems Biology (register as 7.32 if you want it for bio minor)	8.08: Statistical Physics II
8.21: Physics of Energy (or 8.223: Classical Mechanics II during IAP)	8.225 or 8.226 to satisfy second CI-M
7.06: Cell Biology**	6.00: Introduction to Computer Science and Programming**
HASS	HASS

** These courses are not required but are good to take!

Please feel free to contact Jeff Gore (gore@mit.edu) if you have any questions