

## Schedule of Courses (Updated 5 October 2020)

Sample curricula are available to show how the requirements for a B.S. in Physics can be met.

✓=Offered | .=Not Offered | TBD=To be determined | †=online only course  
\* Denotes courses generally offered in the summer.

Physics Courses			2019	2020	2020	2021	2021	2022	2022	2023	2023	2024	2024	2025
No.	Course Title	s.h.	Fall	Spr.	Fall	Spr.	Fall	Spr.	Fall	Spr.	Fall	Spr.	Fall	Spr.
PHYS 00.130	Building Momentum	1	✓	.	✓	.	✓	.	✓	.	✓	.	✓	.
PHYS 00.220	Introductory Mechanics *	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PHYS 00.221	Intro Therm, Fluids, Waves, Optics	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PHYS 00.222	Intro Electricity & Magnetism *	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PHYS 00.300	Modern Physics	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PHYS 00.330	Mathematical Methods for Physics	3	.	✓	.	✓	.	✓	.	✓	.	✓	.	✓
PHYS 00.351	Physics Research Methods I	2	.	.	✓	.	✓	.	✓	.	✓	.	✓	.
PHYS 00.352	Physics Research Methods II	2	.	.	✓	✓	.	✓	.	✓	.	✓	.	✓
PHYS 00.310	Analytical Mechanics	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PHYS 00.320	Electricity & Magnetism I	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PHYS 00.410	Quantum I	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PHYS 00.430	Statistical Physics	3	.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PHYS 00.321	Electricity & Magnetism II	3	.	✓	.	✓	.	✓	.	✓	.	✓	.	✓
PHYS 00.411	Quantum II	3	✓	.	✓	.	✓	.	✓	.	✓	.	✓	.
PHYS 00.325	Electric Circuits	4	✓	.	✓	.	✓	.	✓	.	✓	.	✓	.
PHYS 00.340	Optics & Light	4	✓	.	✓	.	✓	.	✓	.	✓	.	✓	.
PHYS 00.345	Optical Design	3	.	✓	.	.	.	✓	.	.	.	✓	.	.
PHYS 00.347	Laser Physics	3	.	.	.	✓	.	.	.	✓	.	.	.	✓
PHYS 00.360	Molecular Biophysics	4	.	✓	.	✓	.	✓	.	✓	.	✓	.	✓
PHYS 00.371	Biophysics: Fundamentals of Biomaterials	3	✓	.	✓	.	✓	.	✓	.	✓	.	✓	.
PHYS 00.375	Introduction to Radiation Physics	4	.	✓	.	✓	.	✓	.	✓	.	✓	.	✓
PHYS 00.477	Radiation: Effects & Applications †	3	✓	.	✓	.	✓	.	✓	.	✓	.	✓	.
PHYS 00.479	Radiation Instrumentation†	2	.	✓	.	✓	.	✓	.	✓	.	✓	.	✓
PHYS 00.470	Selected Topics	3	.	.	.	✓	.	.	.	✓	.	.	.	✓
PHYS 00.250/ 251/350/450	Physics Research I-IV *	1-3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PHYS 00.451/ 452	Biophysics Research I-II	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PHYS 00.361/ 362/363	Physics Learning Assistant for Intro Mechanics/TFWO/E&M	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Required , Optional , Phys elective , Ind. Study

Course path for 2017 incoming freshman , 
 Course path for 2018 incoming freshman , 
 Course path for 2019 incoming freshman  
Path choices for 2017 incoming freshman , 
 Path choices for for 2018 incoming freshman , 
 Path choices for for 2019 incoming freshman

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No.	Course Title	s.h.	Fall	Spr.	Fall	Spr.	Fall	Spr.	Fall	Spr.	Fall	Spr.	Fall	Spr.
PHYS 00.150	Physics of Everyday Life	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PHYS 00.175	Physics of Sound & Music	4	.	✓	.	✓	.	✓	.	✓	.	✓	.	✓
PHYS 00.210	Physics I w/o Calculus *	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PHYS 00.211	Physics II w/o Calclus *	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Astronomy Courses			2019	2020	2020	2021	2021	2022	2022	2023	2023	2024	2024	2025
No.	Course Title	s.h.	Fall	Spr.	Fall	Spr.	Fall	Spr.	Fall	Spr.	Fall	Spr.	Fall	Spr.
ASTR 11.100	Introductory Astronomy: Stars & Galaxies *	3	.	.	.	.	.	.	✓	✓	✓	✓	✓	✓
ASTR 11.120	Introduction to Astronomy *	4	✓	✓	✓	✓	✓	✓	.	.	.	.	.	.
ASTR 11.200	Introductory Astronomy: Solar System & Exoplanets	3	✓	.	✓	.	✓	.	✓	.	✓	.	✓	.
ASTR 11.230	Introductory Astrophysics	4	✓	✓	.	✓	.	✓	.	✓	.	✓	.	✓
ASTR 11.240	Observational Astronomy	4	✓	.	.	.	✓	.	.	.	✓	.	.	.
ASTR 11.301	Planetary Astronomy	3	.	✓	.	.	.	✓	.	.	.	✓	.	.
302	Stellar Astrophysics													
303	Galactic Astronomy & Cosmology													
ASTR 11.250/ 251/350/450	Astronomy Research I-IV *	1-3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Support , Astro Minor , Astro Minor Option , Ind. Study