

Science Courses

CREDIT	COURSE	COURSE TITLE	PREREQUISITE	OFFERED
.5 .5	3000 3002	Integrated Physical Science, S1 Integrated Physical Science, S2	None	9
.5 .5	3004 3006	Integrated Physical Science Honors, S1 Integrated Physical Science Honors, S2	A or B in 8th grade Algebra and A or B in 8th grade Earth Science	9
.5 .5	3008 3010	Principles of Chemistry, S1 Principles of Chemistry, S2	Successful completion of Physical Science	10-12
.5 .5	3012 3014	Chemistry, S1 Chemistry, S2	C or better in Physical Science or Physical Science Honors	10-12
.5 .5	3016 3018	Chemistry Honors, S1 Chemistry Honors, S2	A or B in Physical Science Honors, A in Physical Science or Physics 1. Concurrently enrolled in Higher Algebra or beyond.	10-12
.5	T7202S	Pre-AP Chemistry, summer, Tonka Online	Students should be registered for AP Chemistry in the fall; optional course for preceding summer, elective credit	9-12
.5 .5	AP304 AP306	AP Chemistry, S1 AP Chemistry, S2	A or B in Physical Science Honors with teacher recommendation and A or B in Higher Algebra	10-12
.5 .5	T3100 T3102	AP Environmental Science, part 1, Tonka Online Select Term: T3100S / T3102F AP Environmental Science, part 2, Tonka Online Select Term: T3102S / T3102F / T3102W	Chemistry, Physical Science. <i>This course may also be taken through VANTAGE course #V300 (grades 11-12)</i>	11-12
.5	T3023	Neuroscience, Tonka Online	None	9-12
.5 .5	3020 T3020	Human Anatomy & Physiology 1 Human Anatomy & Physiology 1, Tonka Online	Physical Science or Physical Science Honors, Chemistry <i>This course may also be taken through VANTAGE #V200 (grades 11-12)</i>	10-12
.5	3022	Human Anatomy & Physiology 2	Human Anatomy and Physiology 1 or VANTAGE Health Sciences Human Anatomy, Physical Science, and Chemistry	11-12
.5 .5	3048 3050	Forensic Science, S1 Forensic Science, S2	Chemistry	11-12
.5	3024	Earth & Space Systems	Physical Science or Physical Science Honors	10-12

Science Courses

CREDIT	COURSE	COURSE TITLE	PREREQUISITE	OFFERED
.5	3026	Astronomy	None	10-12
.5	3052	The Geology and Biomes of US Parks and Forests	None	10-12
.5 .5 .5 .5	3028 3030 T3028 T3030	Physics, S1 Physics, S2 Physics, part 1, Tonka Online Select Term: T3028S / T3028F Physics, part 2, Tonka Online Select Term: T3030S / T3030W	Physical Science or Physical Science Honors	11-12
.5 .5	AP300 AP302	AP Physics 1, grade 9, S1 ¹ AP Physics 1, grade 9, S2 ¹	8th grade Physical Science, Higher Algebra, 99th percentile math & reading	9 9
.5 .5	AP328 AP330	AP Physics C-Mechanics, S1 AP Physics C-Mechanics, S2	Physical Science, Calculus (completed or concurrent)	11-12
.5	T3104W	AP Physics C–Mechanics, Tonka Online	Tonka Online: This semester-long Tonka Online course is for students who have already taken AP Physics 1 and wish to take the AP Physics C: Mechanics test.. Have completed or be enrolled in both AP Physics 1 AND a calculus course	10-12
.5 .5	AP324 AP326	AP Physics C – Electricity and Magnetism with topics in Modern Physics, S1 AP Physics C – Electricity and Magnetism with topics in Modern Physics, S2	Calculus course and AP Physics 1 (or another physics course with teacher recommendation). <i>AP Physics C-Mechanics Online is highly recommended but not required.</i>	11-12
.5 .5	3032 3034	Principles of Physics, S1 Principles of Physics, S2	Physical Science, Quadratic Algebra	11-12
.5 .5	3036 3038	The Physics in Home Renovation, S1 The Physics in Home Renovation, S2	None	11-12
.5 .5	3040 3042	Principles of Biology, S1 Principles of Biology, S2	Physical Science, Chemistry is strongly recommended.	11-12

¹ Must register concurrently with English 9 Honors Communications (#1008 and #1010)

Science Courses

CREDIT	COURSE	COURSE TITLE	PREREQUISITE	OFFERED
.5 .5 .5 .5	3044 3046 T3044 T3046	Biology, S1 Biology, S2 Biology, part 1, Tonka Online Select Term: T3044S / T3044F Biology, part 2, Tonka Online Select Term: T3046S / T3046F / T3046W	Physical Science, Chemistry	11-12
.5	T7204S	Pre-AP Biology, summer only, Tonka Online	Students should be registered for AP Biology in the fall; optional course for preceding summer, elective credit	10-11
.5 .5	AP320 AP322	AP Biology, S1 AP Biology, S2	Physical Science and Chemistry	11-12
.5 .5	3100 3102	Scientific Research, S1 Scientific Research, S2	Successful completion of an AP or IB Science course. Student must have achieved a 3 or higher on an AP Science Exam or a 4 or Higher on an IB Science exam. (Students should also take all core sciences of Chemistry, Biology and Physics during their four years. This does not replace one of those.)	10-12
.5 .5	3104 3106	Scientific Research II, S1 Scientific Research II, S2	Successful completion of Scientific Research I and recommendation of a Scientific Research instructor.	11-12
.5 .5	3108 3110	Scientific Research III, S1 Scientific Research III, S2	Successful completion of Scientific Research II and recommendation of a Scientific Research instructor.	12
.5 .5	IB300 IB302	IB Biology SL, S1 IB Biology SL, S2	Chemistry or Chemistry Honors	11-12
.5 .5	IB304 IB306	IB Biology HL, S1 IB Biology HL, S2	IB Biology SL	12
.5 .5	IB308 IB310	IB Physics SL, S1 IB Physics SL, S2	Chemistry	11-12
.5 .5	IB312 IB314	IB Sports, Exercise and Health Science SL, S1 IB Sports, Exercise and Health Science SL, S2	Chemistry, Physical Science	11-12
.5 .5	IB316 IB318	IB Sports, Exercise and Health Science HL, S1 IB Sports, Exercise and Health Science HL, S2	IB Sports, Exercise and Health Science SL	12

Science Courses

CREDIT	COURSE	COURSE TITLE	PREREQUISITE	OFFERED
2.0	V300	VANTAGE: Global Sustainability earning credit for AP Environmental Science (science credit) and Global Studies & Economics (social studies credit)	Biology, AP Biology or IB Biology SL Interest in sustainability	11-12
2.0	V200	VANTAGE: Health Sciences Earning credits in AP Psychology (social studies credit) and Anatomy (science credit)	Physical science and algebra; interest in health sciences; chemistry strongly recommended.	11-12