

College in the High School Course Offerings

Subject	Course	Title	Description	Pre-Requisites	Credits	Notes**
BIOL	108	Human Biology	Overview of human body functions, including an introduction to some anatomy and physiology, nutrition, and exercise and modern medical advances. This course is intended for non-science majors. Course includes a laboratory. Fulfills laboratory science course requirement at BC.	Recommended: High School Biology	6	Offered at Newport High, Issaquah High
BIOL&	160	General Biology	Introduces the major concepts of cell biology, including cell physiology and structure, molecular biology, genetics, and evolution. Course is a prerequisite for professional health science programs. Format includes laboratory work. Fulfills laboratory science course requirement at BC.	<i>STRONGLY RECOMMENDED</i> : CHEM& 121, CHEM& 140 or one year of high school chemistry	6	Offered at Bothell High, Mount Si High, Eastside Catholic, Mercer Island High, Nicola STEM
CES	100	Race in the United States	Survey of the history of African Americans, Asian Americans, Chicanos, American Indians and other indigenous peoples as they become part of the United States, or in the whole Americas depending on the focus. Fulfills social science or humanities requirement, not both at BC	Placement by assessment into ENGL& 101 ENGL 093 or 093 with a C- or better or entry code	5	Offered at Bellevue High, Interlake High, Newport High, Big Picture School
ENGL&	101	English Composition I	Develops Clear, effective writing skills and emphasizes writing as a process. Students practice writing in a variety of forms and modes	Placement by assessment into ENGL 093 or 093 with a C- or better.	5	Offered at Mount Si High, Bellevue High, Big Picture, Interlake High, Newport High, Sammamish High
ENGL&	244	American Literature I	Surveys the early American literary scene. Authors and works vary, but typically include Edwards, Franklin, Thoreau, Hawthorne and Melville	ENGL& 101 or ENGL 201 or a literature course in	5	Offered at Mount Si High

ENGL	247	Writing Poetry I	Focuses on the craft of poetry. Covers rhythm, image (simile, metaphor, and symbol), voice tone, and open and traditional forms. Students write and critique poetry and read the work of established poets. Suitable for beginning or experienced poets.	<i>RECOMMENDED: ENGL& 101 placement or higher</i>	5	Offered at Mount Si High
MATH&	107	Math in Society	Applies mathematics to contemporary issues. Topics include networks, scheduling data analysis, and may also include voting methods, linear programming, game theory, growth and decay, or fair division problems. Designed for liberal arts students. Fulfills the quantitative or symbolic reasoning course requirements at BC	Placement by assessment or BC MATH 098 or 078 with a C or better	5	Offered at Sammamish High, Interlake High, International High, Bellevue
Math	130	Introduction to Statistics	Emphasis on gathering and interpreting data. Material has applications in the medical fields, as well as the Social Sciences. Fulfills the quantitative or symbolic reasoning course at BC.	Placement by assessment or Math 098 with a C or better or 078 with a C or better	5	Offered at Lake Washington High School
MATH	138	College Algebra for Business & Social Science	Examines graphs, non-trigonometric elementary functions, systems of equations and inequalities, and probability, emphasizing uses in business and social science. Either MATH& 141 or MATH 138 may be taken for credit, not both. MATH 138 is required before taking MATH& 148. Fulfills quantitative or symbolic reasoning course requirements at BC.	Placement by assessment, or BC MATH 099 with a B- or better	5	Offered at Interlake High, Newport High, Bellevue High
MATH&	141	Precalculus I	Emphasizes graphs and polynomial functions. Other topics include a theory of equations and rational, exponential, inverse, and logarithmic functions. Either MATH&141 or MATH 138 may be taken for credit, not both. MATH 138 is required before taking MATH& 148. Fulfills quantitative or symbolic reasoning course requirements at BC.	Placement by assessment, or BC MATH 099 with a B- or better	5	Offered at Newport High, Bellevue High, Interlake High, International High, Big Picture School, Sammamish High

MATH&	142	Precalculus II	Prepares students for the MATH& 151/152/153 calculus sequence. Students work intensively with functional trigonometry, polar coordinates, translation and rotation of axes, plane analytic geometry, lines and plans in space, and non-linear systems. Fulfills the quantitative or symbolic reasoning course requirement at BC.	Placement by assessment, or MATH& 141 with a C- or better	5	Offered at Newport High, Bellevue High, Interlake High, International High, Big Picture School, Sammamish High
MATH&	148	Business Calculus	Surveys differential and integral calculus, emphasizing uses in business and social science. Intended for students who wish only a brief course in calculus. Either MATH& 151 or Math& 148 may be taken for credit, not both. Fulfills the quantitative or symbolic reasoning source requirement at BC.	Placement by assessment, or MATH 138 with a C- or better	5	Offered at Newport High, Bellevue High
MATH&	151	Calculus I	Introduces the concepts of limits, derivatives, and integrals. Topics include techniques and applications of derivatives of algebraic or transcendental functions. Students begin working with antiderivatives. Either MATH& 151 or MATH& 148 may be taken for credit, but not both. Fulfills the quantitative or symbolic reasoning course requirement at BC.	Placement by assessment or MATH& 142 with a C- or better, or Advanced Placement score of 2 or higher on AB or BC exam	5	Offered at Lake Washington High, Liberty High
MATH&	152	Calculus II	Continues the study of integration, emphasizing applications and special techniques. Students work with algebraic and transcendental functions. Fulfills the quantitative or symbolic reasoning course requirement at BC	<i>RECOMMENDED:</i> MATH& 151	5	Offered at Lake Washington High, Liberty High
MATH&	153	Calculus III	Emphasizes the study of infinite sequences and series including power series. Topics include plane analytic geometry, graphing in polar coordinates, and an introduction to vectors. Fulfills the quantitative or symbolic reasoning course requirements at BC.	<i>RECOMMENDED:</i> MATH& 152	5	Offered at Liberty High, Newport High, International High, Lake Washington High, Sammamish High, Bellevue High

MATH	238	Differential Equations	Uses tools from algebra and calculus in solving first- and second-order linear differential equations. Students focus on applying differential equations in modeling physical situations, and using power series methods and numerical techniques when explicit solutions are unavailable. May include work with Laplace Transforms and systems of differential equations. Fulfills the quantitative or symbolic reasoning course requirements at BC	<i>RECOMMENDED:</i> MATH& 153	5	Offered at Sammamish High
MATH&	254	Calculus IV	Extends the concepts of calculus to vector-valued functions and functions of several variables. Partial derivatives are included. Fulfills the quantitative or symbolic reasoning course requirement at BC	<i>RECOMMENDED:</i> MATH& 152	5	Offered at Sammamish High, International High, Newport High, Liberty High, Lake Washington High, Bellevue High
OCEA&	101	Introduction to Oceanography	Introduces physical and chemical oceanography, marine biology, and plate tectonics. Students also discuss environmental issues. Format includes lab work and/or field studies. Fulfills laboratory science course requirement at BC.	None	6	Offered at Newport High
PHYS&	114	General Physics I	First in a three-course survey of physics for allied health, building construction, biology, forestry, architecture, and other programs. Topics include, kinematics, vectors, dynamics, work and energy, momentum, rotational motion, and harmonic motion. Laboratory work is integral to the course	MATH& 142 or equivalent	6	Offered at Liberty High, Mercer Island High

PHYS&	115	General Physics II	Second in a three-course survey of physics for allied health, building construction, biology, forestry, architecture, and other programs. Topics include, fluids, heat, thermodynamics, electricity and magnetism. Laboratory work is integral to the course.	PHYS& 114	6	Offered at Mercer Island High
CHIN&	121	Chinese I	Introduces basic functional language ability by acquiring vocabulary and skills in grammar, pronunciation, and the Pinyin (Romanized) writing systems. Students practice sounds and tones, vocabulary, grammatical constructions and practice pronunciation and Chinese characters writing. Includes listening, speaking, reading and writing skills using t traditional and simplified characters. Course includes elements of Chinese culture, art and music	None	5	Offered at Sammamish High
CHIN&	122	Chinese II	Introduces functional language ability in spoken and written Chinese. Continues elements of Chinese culture. Students practice sounds and tones, vocabulary, and grammatical constructions, practices pronunciation and Chinese characters writing and use Chinese in authentic situations	<i>RECOMMENDED</i> : CHIN& 121 or permission of instructor	5	Offered at Sammamish High
CHIN&	123	Chinese III	Further expands functional language ability in spoken and written Chinese. Students practice sounds and tones, vocabulary, and grammatical constructions and both traditional and simplified characters and practice using Chinese in authentic situations. Continues understanding of Chinese culture.	CHIN& 122 or permission of instructor	5	Offered at Sammamish High, Newport High

CHIN&	221	Chinese IV	Reviews and expands basic, first-year Chinese skills. Increases understanding of Chinese grammar, expands vocabulary, and improves productive and receptive language skills within a cultural context. Includes both traditional and simplified characters. Increases understanding of Chinese culture.	CHIN&123 or permission of instructor	5	Offered at Sammamish High, Newport High
FRCH&	122	French II	Continues FRCH& 121. Recommended: FRCH& 121, one year of High School or permission of instructor.	Recommended: FRCH& 121, one year of High School or permission of instructor.	5	Offered at Newport High
FRCH&	123	French III	Continues FRCH&121-- Introduces basic speaking, reading, and writing skills. Students learn by listening and speaking as well as reading and writing with the help of a variety of web based materials.	FRCH& 121 or permission of instructor	5	Offered at Liberty High, Newport High, Juanita High, Lake Washington High,
FRCH&	221	French IV	Reviews and expands on first-year French grammar. Students increase their oral and written competencies, working in an authentic literary and cultural context.	FRCH& 123 or permission of instructor	5	Offered at Liberty High, Lake Washington High
FRCH&	222	French V	Continues FRCH& 221	FRCH& 221 or permission of instructor	5	Offered at Liberty High
JAPN&	123	Japanese III	Continues JAPN& 122--Continues to develop listening, speaking, and reading and writing skills of Japanese. More basic Kanji characters and relevant aspects of Japanese culture are introduced	JAPN& 122 or permission of instructor	5	Offered at Juanita High
JAPN&	221	Japanese IV	Continues JAPN& 123--Students practice listening, speaking, reading and writing in integrate activities related to a main theme. More kanji and relevant aspects of Japanese Culture are introduced	JAPN& 123 or permission of instructor	5	Offered at Juanita High

SPAN&	122	Spanish II	Continues SPAN& 121--Format includes extensive audio and Internet usage. This class is not intended for "Heritage Speakers" (i.e. Students who grew up speaking Spanish). Please refer to "Spanish for Heritage Speakers" SPAN&2331 if you grew up speaking Spanish without ever having formal instruction	SPAN& 121 or permission of instructor	5	
SPAN&	123	Spanish III	Continues SPAN&122. Format includes extensive audio and Internet usage. This class is not intended for "Heritage Speakers" (i.e. Students who grew up speaking Spanish). Please refer to "Spanish for Heritage Speakers" SPAN&2331 if you grew up speaking Spanish without ever having formal instruction.	SPAN&122 or permission of instructor	5	Offered at Newport High, Lake Washington High, Liberty High, Mount Si High
SPAN&	221	Spanish IV	Reviews first-year grammar concepts and expands on vocabulary acquisition. Students practice integrating the four major language skills: listening, speaking, reading and writing, and further develop their cultural competency by working on authentic material from the Spanish-speaking world. Oral communication is emphasized. Format includes extensive audio and Internet usage.	SPAN& 123 or permission of instructor	5	Offered at Lake Washington High School, Mount Si High, Liberty High
SPAN&	222	Spanish V	Continues SPAN&221--Reviews first-year grammar concepts and expands on vocabulary acquisition. Students practice integrating the four major language skills: listening, speaking, reading and writing, and further develop their cultural competency by working on authentic material from the Spanish-speaking world. Oral communication is emphasized. Format includes extensive audio and Internet usage.	SPAN& 221 or permission of instructor	5	Offered at Liberty High, Lake Washington High

****Please see website for updates, these offerings are subject to change.**