



ADVANCED PLACEMENT AT BURNABY MOUNTAIN

THE BENEFITS OF AP:

AP gives students the chance to tackle college-level work while they're still in high school. For those students who successfully complete external AP exams (with a minimum score of 4 or 5 on a point scale) they may, upon admission to university/college, be granted credit for a similar course. This can not only lead to a savings of hundreds of dollars in tuition fees, but additionally some institutions may use these scores to place first year students in higher level classes within their first semester. Furthermore, students who successfully complete AP courses are more likely to score higher in university courses than peers who did not take AP courses. Regardless of whether a student writes the exam, the fact that they will have completed the course is acknowledged on their official B.C. Ministry of Education Transcript and results in more favourable consideration by universities.

Internationally, the AP program services more than 2 million students, who write over 4 million exams each year. In all of Canada, the Burnaby School District has one of the largest AP programs in the country. What's more is that B.C. boasts the highest AP grades, for a state or province, worldwide. Specifically, in Burnaby, our students consistently score 10% higher than the national average. Each year the AP program across Burnaby grows, serving as a testament to its success.

AP SUCCESSES AT BURNABY MOUNTAIN:

- From 2019—2022, between 80 and 86% of students scored a 3 or higher on their AP exams
- In 2022, we had 135 exams scores qualify for first year University credit (savings of \$500-\$1000+)
- In 2022, we had 36 scholars with an average score of 4.61
10 AP Scholars, 8 with Honours, and 18 with Distinction
- From 2019—present, we've offered a total of 16 different AP courses at Burnaby Mountain

AP COURSES WE OFFER:

- AP Biology
- AP Chemistry
- AP Physics 1
- AP Physics 2
- AP Computer Science A
- AP Computer Science Principles
- AP Calculus AB
- AP Statistics
- AP Psychology
- AP Human Geography
- AP Macroeconomics and Microeconomics
- AP Art History
- AP Music Theory
- AP Chinese and Culture
- AP English Literature and Composition



ARTS

AP ART HISTORY

Students analyze works of art and place them in historical context as they explore concepts like cultural interactions, interpretations of art, the impact of materials, processes, and techniques on art and art making.

AP MUSIC THEORY

AP Music Theory is an introductory college-level music theory course. Students cultivate their understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design. *PRE-REQ: basic music/notation reading. Experience in ensemble, choir, and/or piano is recommended.*



SCIENCES

AP BIOLOGY

This is a 2-year program where students take Life Sciences Enriched in grade 11 followed by AP Biology in grade 12. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. *PRE-REQ: Life Sciences 11 Enriched*

AP CHEMISTRY

This is a 2-year program where students take Chemistry 11 Enriched in grade 11, followed by AP Chemistry in grade 12. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. *PRE-REQ: Chemistry 11 Enriched*



SOCIAL SCIENCES

AP HUMAN GEOGRAPHY

This is an introductory college-level human geography course. Students use data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes. *PRE-REQ: Social Studies 10*

AP MACROECONOMICS AND MICROECONOMICS

This is one course, but students write two separate AP exams. In macroeconomics, students explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies. In microeconomics, students learn concepts like scarcity and markets; costs, benefits, and marginal analysis; production choices and behavior; and market inefficiency and public policy. *PRE-REQ: Social Studies 10*

AP PSYCHOLOGY

In this introductory college-level course, students cultivate their understanding of the systematic and scientific study of human behavior and mental processes. They explore concepts like the biological bases of behavior, sensation, and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. *PRE-REQ: Social Studies 10*



LANGUAGES

AP CHINESE LANGUAGE & CULTURE

This is equivalent to an intermediate-level college course in Chinese. Students apply interpersonal, interpretive, and presentational modes of communication as they explore concepts related to community, identity, aesthetics, technology, and global challenges. *PRE-REQ: Fluency in Mandarin*

AP ENGLISH LITERATURE AND COMPOSITION

In this intro. level college course, students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.

AP PHYSICS 1: ALGEBRA-BASED

This class will prepare students to write the AP Physics 1 exam as well as cover curriculum to earn credit for Physics 11. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves. *PRE-REQ: Strong performance in Science 10*

AP PHYSICS 2: ALGEBRA-BASED

This class will prepare students to write the AP Physics 2 exam as well as cover curriculum to earn credit for Physics 12. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, waves, and probability. *PRE-REQ: AP Physics 1*

MATH & COMP. SCIENCE

AP COMPUTER SCIENCE A

This is an introductory college-level computer science course. Students learn by analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. *PRE-REQ: coding experience*

AP COMPUTER SCIENCE PRINCIPLES

Students are introduced to the breadth of the field of computer science. Students apply computer science to solve problems through the development of algorithms and programs. They explain how computing innovations and computing systems work, and explore their potential impacts.

AP CALCULUS AB

In this introductory-level college calculus course, students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally. *PRE-REQ: Strong performance in Pre-Calculus 12*

AP STATISTICS

Students are introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. They explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions. *PRE-REQ: Pre-Calculus Math 10, English 10*



CONTACT INFORMATION

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🌐 <https://mountain.burnabyschools.ca/departments/advanced-placement-ap-2>

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