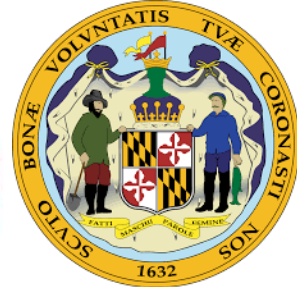


BARD
HIGH SCHOOL • EARLY COLLEGE



Bard High School Early College Baltimore

Fall and Spring 2019-2020

College Course Catalog

Course Offerings are Subject to Change

A.A. Degree Requirements:

In addition to completing all Maryland State Diploma requirements, in order to receive the Bard Associate of Arts Degree, students must maintain a 2.0 GPA, earn no less than 60 college credits during the two years in the college program, and fulfill the following distribution requirements:

- Four semesters (12 credits) of the Seminar sequence
- Four semesters (12 credits) of Humanities/Social Science Courses
- Two semesters (8 credits) of College Lab Science (Bio, Physics, Chem)
- Two semesters (6 credits) of College Mathematics
- Two semesters (6 credits) of World Languages (Spanish or Chinese)
- Two semesters (6 credits) of Arts
- Two semesters (6 credits) of College Electives
- Four semesters (4 credits) of CTO

Independent Studies and Tutorials:

Independent Studies are open to Year 2 students in good academic standing (3.0 GPA or above) who wish to pursue advanced work under the supervision of a BHSEC faculty member. In undertaking an independent study, students agree to carry out the project as described in the proposal; meet with the faculty supervisor a minimum of once a week; and present work at the BHSEC symposium day. Students also agree to notify their faculty supervisor, dean's office, and registrar if they find it necessary to discontinue their independent study.

Independent studies are meant to be taken above and beyond the fulfillment of core requirements. Students may take no more than one independent study per semester, and no more than two over the two years of the college program. In exceptional circumstances, a student may petition for a third independent study.

		Course Title	Disbursement Satisfaction	Credits	Course Description
ART	104	Drawing and Painting the Figure	Humanities OR General OR Arts Elective	3	This course is an introduction to practical approaches toward depicting the human figure via an array of drawing and painting techniques. Students will be acclimated to surface anatomy, proportion, and other aspects of figuration including narrative composition, portraiture, and abstraction. Coursework will be informed by lectures that detail historical aspects of figurative drawing/painting as well as contemporary practices in the genre. Students will work in a variety of media including charcoal, graphite, watercolor, ink, acrylic, and collage. As artists have done throughout the course of history, students will utilize their knowledge of the figure to create works of art that reflects their unique view of the world, fueled by their personal experiences.
ART	105	Anatomy and Art	Humanities OR General OR Arts Elective	3	The Art of Anatomy is a college-level course that develops visual perception and understanding of anatomy with critical thinking skills. Students should arrive at the class with foundational skills developed at the high school level. Students will be exposed to major concepts of the human body, including western and non-western models of the body as shown in art history; structural anatomy of the skeleton; functional anatomy of the muscles; and the representation of the body in drawing, painting, and sculpture. Students are expected to engage with movement,

					drawing, and sculpting, research independently, and develop a style of working for a final portfolio.
ART	108	Art of Portraiture	Arts Elective	3	This course provides an overview of practical approaches toward depicting the human portrait via an array of drawing techniques. Students will be acclimated to surface anatomy, proportion, composition, with other aspects of portraiture including narrative/sentiment, and caricature. Students will develop the skills necessary create finished/refined portrait drawings. Coursework will be informed by lectures that detail historical aspects of portrait drawing as well as contemporary practices in the genre. Students will work in a variety of media including charcoal, graphite, ink, and oil pastel. As artists have done throughout the course of history, students will utilize their acquired knowledge to create portraits that reflect both, the unique characteristics of their subjects, and the artist's world view.
ART	111	Issues in Contemporary Art	Humanities OR General OR Arts Elective	3	Issues in Contemporary Art is a college-level course that develops critical thinking skills through visual arts response. This course meets fine art graduation requirements for the Associate's Degree from Bard College. Students should arrive at the class with foundational skills developed at the high school level. Students will be exposed to major strands of thought in contemporary visual art, including Migration, Identity, Memory and Place-Making, Authorship and Copyright, Technology and Innovation, Biophilia (design with and

					for the environment), Protest and Propaganda. Students are expected to engage with current events, research independently, and solve problems creatively with the production of works of art.
ARTH	125	Intro to Arch and Arch History	Humanities OR General OR Arts Elective	3	In this introductory course students deal with accurately using an architect's scale to interpret scale on scaled drawings, identifying and discussing how our built environment is both an artifact and a vector in our shared history, rudimentary CAD modeling, paper and found material modeling, introductory design and design presentations as well as home mechanical systems, an overview of world architectural history, sustainability and preservation. This course has significant model making, photography and drawing elements and derives an electronic portfolio that can serve as a starting place for introductory portfolio applications to programs in architecture and design.
BIO	101	General Biology w/lab	Science Laboratory Elective OR General Elective	4	By the end of this course, the student will be able to identify key concepts in biology and relate them to contemporary scientific and ethical issues, read and critique scientific literature with an understanding, design experiments, collect data, and interpret and present results, explain the chemical basis and origins of life on Earth, distinguish among cell types and understand the processes that take place within them, understand genes and genetic inheritance, discuss ecology and interactions within ecosystems and explain how the theory of evolution supports the diversity of life on

					Earth.
BIO	220	Neuropsychology w/ Lab	Science Laboratory Elective OR General Elective	4	This course will provide a fundamental overview of neuropsychology, with an emphasis on both the biology of the nervous system and the psychology that emerges from this neurobiology. Students will explore the anatomy and physiology of the vertebrate nervous system; the vertebrate sensory responses; sleep and states of consciousness; cognition, learning, and memory; stress, defense mechanisms, and personality; and abnormal psychology. Connections will be made between neuropsychology and current scientific research and pop culture. Laboratory activities will include brain and eye dissections, human sensory responses, personality analysis, and hypnotic suggestibility.
CHEM	101	General Chemistry w/lab	Science Laboratory Elective OR General Elective	4	This course is a one-semester chemistry course that will introduce you to the fundamental principles of chemistry and chemical reasoning. Topics of study include atomic structure, molecular structure, properties of molecules and chemical bond formation. The concepts introduced in this course will help prepare you for any future chemistry and biology courses that you might take. Throughout the course, a heavy emphasis is placed on group and individual problem solving as well as laboratory-based investigations of important phenomena.

CHEM	210	Organic Chemistry I W/ Lab	Science Laboratory Elective OR General Elective	4	This course will provide a fundamental overview of organic chemistry. Students will explore nomenclature, the relationships between the function and three-dimensional structure of carbon-based molecules, the major reaction classes, mechanisms of chemical reactions, organic compound synthesis, and compound analysis through spectroscopy. Connections will be made between particular organic compounds and their societal or pharmaceutical significance. Laboratory activities will include chromatography, saponification, polymer-based slime production, and aspirin synthesis.
CMSC	112	Game Design-Dev Foundations	Humanities OR General Elective OR Arts Elective	3	Game Design refers to the guiding theory, elements, and principles involved in developing game concepts and planning the overall composition of games, both digital and analog. Game Development refers to the various technical and artistic skills, as well as the production methodologies required to actually build and assemble the components of a game. Games and Play occupy an understated but ever-present aspect of human history and development, with modern digital games being a continuation of a long tradition. Emphasizing critical analysis and project-based learning, this course will introduce the foundations of Design and Development for digital and analog games.
HIST	119	Africa's World War	Humanities OR General Elective	3	From 1996-2003, the Democratic Republic of the Congo, in the heart of Africa, was wracked by two massive wars that drew in nations from all over

					the continent. The effects of this conflict are still felt today, in the Congo, in Africa, and around the world. This class will examine the roots of the Congo's wars, including in the Rwandan genocide, and their ongoing impact.
HIST	218	Drugs and Empires	Humanities OR General Elective	3	This course introduces students to the disciplinary development and methodologies of World History (also known as Global History) and specifically focuses on the global history of empires and the ways in which drugs factored prominently in trade networks that helped spawn and sustain empires across world history.
HIST	221	African-American Women's History	Humanities OR General Elective	3	In this course, we will examine black women's experiences in America from the colonial era to the present by examining primary, secondary, and multimedia sources. In foregrounding black women's lives, we will do more than the important task of restoring voices that have all too often been obscured in the study of American history. We will also see how black women, as both physical and symbolic entities, have been engaged in the construction of racial and gender categories – and we will see how black women resisted attempts to circumscribe their lives. We will see how black women's experiences varied according to time and place, as well as the influence of class, religion, sexual orientation, and other factors. In doing so, we will understand African-American women's roles as laborers, artists, mothers, and change agents in American history and society.

HIST	223	Mixed Race in American History	Humanities OR General Elective	3	We know that race is a social construction with a complicated history; how much more so is this true for intimacy across the color line, and for people of mixed race in American history? This course will follow a loose chronology from the colonial era through the twenty-first century and draw on history, visual art, music, literature, and other sources to examine representations of race mixing and mixed race people in the United States.
HIST	120	The Black Middle Class: Race and Social Mobility in the US	Humanities OR General Elective	3	Proceeding from an interdisciplinary perspective, the course considers the impact of African American/US history, race, capitalism, and contemporary American popular culture on the development of the black middle class in the United States. The course also explores the question: what does it mean to be a Black middle-class person today?
HIST	219	The Black Jacobins	Humanities OR General Elective	3	From 1791-1804, the most successful slave uprising in world history took place in the French colony of Saint-Domingue. The revolutionaries, led by ex-slave Toussaint L'Ouverture, created the first state ruled by former slaves and free of slavery itself, Haiti. Through the lens of Afro-Trinidadian historian and political philosopher C.L.R. James' classic work, The Black Jacobins, this course will examine the uprising as well as its connections to the French revolution, concepts of race and class, and Pan-African ideals.

HUM	116	Civic Engagement	Humanities OR General Elective	3	How do we best address social injustice? How do we empower ourselves as citizens to protect ourselves and our communities against inequity? What strategies can we employ to effect meaningful social change? Civic engagement is an act of problem-solving. As such, we will use moments in the long history of social justice movements in the U.S. and abroad to uncover the most thoughtful and impactful theories and practices for social action. Along the way, we will read, learn about, and discuss what strategies and processes we can use to effect social change in the communities in which we live.
HUM	TB A	Political and Economic Dynamics of International Development and Resistance	Humanities OR General Elective	3	This class will focus on the intersection of politics, economics and society in the Global South. We will explore themes of capitalism and democracy, international development and inequities. Students will analyze theories in international relations while examining specific case studies. While dissecting the dynamics of major global powers, students will connect and apply lessons learned in the international arena to their own experiences and communities.
IND	AR T	IND STUDY ARTS	Arts Elective	3	Independent Multimedia Art Study. In this course we will learn about Chinese culture and multimedia aspects through analyzing cinema and learning about the filmmaking process In order to create a short film about the cultural topic of their choice as a final project.

LANG	101	India Hindi Lang/Way of Cinema	Humanities OR General OR Arts Elective	3	<p>in this course students will gain an in-depth understanding of Hindi as both a political language and as a cinematic language. The Constitution of India does not give any language the status of a ‘national language’, but Hindi and English are the two ‘official languages of India, meaning these are the two languages used for state and official business. And, in addition to Hindi, India has 21 other ‘scheduled languages’ that reflect state boundaries throughout the country. India is also the country with the world’s largest film industry. And Bollywood cinema - or Hindi Cinema - accounts for almost half of India’s film output. Globally, box-office ticket sales for Bollywood cinema surpass Hollywood by 1 billion. For this reason, students will learn to unpack the relationship between Hindi, politics, and Bollywood - the key contributor to the largest cinema industry in the world. Political topics will include border relations, public health issues, gender equity, class relations, and immigration.</p>
LANG	TB A	La dolce vita: A Sweet Introduction to Italian Literature, Film, and Language	Humanities OR General OR Arts Elective	3	<p>Standard Italian is based on the spoken form of non-classical Latin in the Tuscan region, specifically, Florence. In other words, Italian began as a ‘vulgar’ form of Latin. Dante Alighieri, a poet from Florence, wrote a trilogy, The Divine Comedy, and in his work he captured his city’s language into a written form. Dante gave ‘Italian’ a system and structure, he gave it grammar. In this course, via Italian, students will learn how a language comes into existence and how it</p>

					is intrinsic to culture. We will begin this course by reading Dante's first book, <i>The Inferno</i> . Because Dante wrote this book in exile and created a new standard for poetic justice by putting in almost each of his enemies in different rings of the underworld, we will spend a significant portion relating this text to contemporary political concerns. We will then fast forward 600 years and study the impact of Dante Italy's neorealist film tradition with film such as <i>Rome, Open City</i> (1945), <i>The Bicycle Thief</i> (1948), and <i>Ossessione</i> (1942). We will then conclude this course with a close study of Dante's ongoing influence on Federico Fellini, Maurizio Nichetti, Lina Wertmuller, and Roberto Benigni.
LIT	245	Fundamental of Translation	Language or General Elective	3	An introduction to the principles and practice of translation as both interlingual and intercultural activity. Major translation theories, both descriptive and prescriptive, will be discussed, and differing English translations of original texts will be compared. Students will also learn practical techniques for translating source texts from Spanish, Chinese, and other languages.
MATH	109	College Algebra	Mathematics OR General Elective	3	Provides students with more advanced skills required for high-level applications of mathematics. Negative and rational exponents and functions, their properties and operations, including inverse functions; linear, quadratic, polynomial, rational, absolute value, exponential and logarithmic functions are explored. Students develop graphical and algebraic skills and study applications of concepts.

MATH	110	Pre Calculus	Mathematics OR General Elective	3	In this course we will cover more advanced skills required for high-level applications of mathematics. Negative and rational exponents and functions, their properties and operations, including inverse functions; linear, quadratic, polynomial, rational, absolute value, exponential, logarithmic functions and trigonometric functions are explored. Students develop graphical and algebraic skills and study applications of concepts.
MATH	115	Intro to Engineering and Computer Science with Mathematics Applications	Mathematics OR General Elective	3	This is a mathematics-based course which introduces students to engineering and computer science with strong applications. The topics covered will include: engineering design; coding/programming; measurements, units and unit conversion; working with vectors; environmental design computation; kinematics (study of motion); statics (study of bodies at rest); dynamics (study of forces); app design; 2D coordinate transformation; matrices; functions; trigonometry and waveforms; logarithmic, exponential, and hyperbolic functions; complex numbers; and operations research.
MATH	125	Probability & Statistics	Mathematics OR General Elective	3	This course is an overview of descriptive and inferential statistics. Statistics is inherently applied through the course, which emphasizes solutions to problems in a variety of applied settings. Measures of location and variability, probability distributions, correlation and regression, sampling and sampling distributions, hypothesis testing and estimation with confidence intervals for means and proportions are explored.

MATH	141	Calculus	Mathematics OR General Elective	3	Topics of this course include limits, continuity, the rate of change, derivatives, different formulas for algebraic, trigonometric, logarithmic, and exponential functions, maxima and minima, integration and computation of areas, the Fundamental Theorem of Calculus, and applications.
MATH	101	Finite Math	Mathematics OR General Elective	3	In this course we will cover linear and quadratic functions, Complex number system, Sequences and functions. We will learn how to use a matrix to solve linear equations, operations of a matrix, matrix transformation and Gaussian elimination.
MUSIC	209	Music Composition & Production	Humanities OR General OR Arts Elective	3	Music Composition & Production is a semester course focusing on the skill of music composition along with music theory and music history. Students will study the compositional styles of composers such as Giovanni da Palestrina, Ludwig van Beethoven, Arnold Schoenberg and Joan Tower in order to create their own original compositions.
MUSIC	211	Digital Music Synthesis	Humanities OR General OR Arts Elective	3	This course focuses on the skill of digital composition. Students will study the compositional styles of composers such as Pauline Oliveros, Sia Furler, Koji Kondo, and Imogen Heap in order to create their own digital compositions.
PHYS	101	Physics I w/lab	Science Laboratory Elective OR General Elective	4	This is a one semester algebra-based college course on physics, intended to be equivalent to the first semester of a two semester introductory college sequence. This course covers mechanics and thermodynamics, consistent with the courses covered in equivalent college

					content. Students are expected to think critically, perform laboratory experiments, and mathematically analyze the world around them. All topics covered in lower-level courses will be covered in greater depth and in more detail here.
PS	118	Politics and Ethics of Food	Humanities OR General Elective	3	This course examines the fundamentally political nature of food. We will address the political economy of agricultural practices and food consumption in the United States. The first part of the course examines dimensions of the current reality of food in America. The second part looks at interest groups and other stakeholders in food policy which leads to government action. More specifically, will examine several food policies, such as crop subsidies, food stamps and school lunch programs, the genetic modification of plants and animals for food purposes, and foreign trade. The last section of the course addresses topics that affect the future of food. Students should leave with an understanding of how socio-economically determined food systems impact us as ethical agents.
PS	119	Political Economy of Colonization and Decolonization	Humanities OR General Elective	3	This course examines the processes of colonization and decolonization that primarily define the making of the modern, integrated world we experience today. Our class will focus on the spread of European influence and hegemony throughout the world from the age of discovery in the late fifteenth and sixteenth century to the era of decolonization after World War II and postcolonial realities of the present. We

				<p>will delve into the processes, systems, and contents of social and cultural contact and exchange, the development of knowledge, and how they shape relations of power; the place of colonialism in the development of western capitalism; and the elements of colonial power and resistance, including ideologies of liberal political philosophy, social Darwinism, and nationalism. We will think about how ideas about civilization, religion, self and other, and freedom have evolved over time and shaped the making of the modern world.</p>	
SEM	101 and 102	First Year Seminar I and II	Seminar I Requirement	3	<p>In Year 1 Seminar, we will engage with some of the events, intellectuals, and ideas that have helped shape Western civilization, along with the influential ideologies and values documented in its “great books”. But instead of simply celebrating Western culture’s “greatest hits”, our efforts in this year-long seminar course will focus on interrogating and critiquing the major trends in Western philosophical, religious, economic, and scientific thought. The historic influence of democracy, Christianity, capitalism, and colonialism are the major topics we will address in our time together. First Year Seminar will help students acquire the essential critical reading, thinking, and writing skills expected of students at the college level. Specifically, the rigor of FY Sem will teach students how to approach challenging, thought-provoking texts with confidence; help them master the craft of rational-critical debate; and hone students’ skill at articulating their</p>

					views in both written and oral communication. Reading choices and assignments are specific to the individual instructor and will vary from section to section and year to year.
SEM	201 and 202	Sophomore Seminar I and II	Seminar II Requirement	3	This seminar is the final two parts of the four-semester Bard Seminar sequence, covering great works of philosophy and literature from antiquity to the present. In this final chapter of the course, we explore the diversity of perspectives that define modernity through the latter half of the twentieth century and into our own time. Topics covered include gender, colonialism, race, violence, power, and rewriting through texts by Jean Rhys, Toni Morrison, Michel Foucault, and others. This is a reading-intensive, participatory course, and students will be graded on their participation in class discussions. In addition, students will be expected to complete two formal papers and two creative writing projects based on the readings. Structured study periods will focus on completing readings thoughtfully and taking productive notes in preparation for discussion. Reading choices and assignments are specific to the individual instructor and will vary from section to section and year to year.
SPAN	101	Beginning Spanish I	Language or General Elective	3	This course engages students in reading, writing, and speaking Spanish.
SPAN	211	Spanish Phonetics and Introduction to Linguistics	Language or General Elective	3	A comprehensive investigation of Spanish phonology and pronunciation, including exploration of major regional variations and transcribing of Spanish sounds using the International Phonetic

					Alphabet. Extensive practice and application will lead successful students to speak Spanish with a markedly reduced English accent by the end of the course. Additional topics include an introduction to the study of linguistics and a comparison of Spanish to other Romance languages.
SST	243	Constitutional Law	Humanities OR General Elective	3	This is a semester long college level constitutional law course which explored and examines the workings of the U.S. Constitution. The Constitution is the basic law of the land, the foundational document that establishes the structure of our government and grants us our individual rights. We will use an integrative approach to examine how doctrines have changed over time, how the document is and has been interpreted, and through the use of case studies of Supreme Court cases examine how the Court resolves disputes. We will use the same methods as used in law schools i.e. legal thinking, writing, discussion, and argumentation.
WRIT	103	Creative Writing	Humanities OR General Elective	3	This Creative Writing course will help students to develop their imaginative and expository writing skills as applied to poetry, short stories, and personal reflection. Beginning with deep personal reflection, the course will push students to expand and actively engage with their imaginations to create writing projects. Through in-class instruction and practice, at-home assignments, and peer-critique centered writing workshops, students will explore their own creative voices through the study of plot, setting, character

					development, voice, point of view, etc.
WRIT	224	Introduction to Literary Production	Humanities OR General Elective	3	This course will introduce students to the creative writing process and to the world of publishing. Each marking period will cover a different aspect of writing, beginning with non-fiction then moving to poetry and short stories before ending with theater. Students will explore mentor texts as they learn about important structural aspects of writing while they develop their own portfolios. This course will be for all levels of writers and will include an exploration of the publishing process, including editing and peer review.