Howard University Course	Course Description	DCPS Course Title
COMP 001: Life Sciences Lec/Lab	Explores the basic concepts of the biological (life) sciences. Focusing on the characteristics that all living things (life forms) have in common. 3 credits	College Lab Science
COMP 002: Planetary Science Lec/Lab	Consists of geology (the science of the earth) and astronomy (the science of planets, stars and all heavenly bodies found in the universe). 3 credits	College Lab Science
COMP 003: Physical Science Lec/Lab	Emphasis is placed on understanding some of the most basic science concepts and how these concepts can be used and related to everyday phenomenon. 3 credits	College Lab Science
BIOL 101: General Biology I Lec/Lab BIOL 102: General Biology II Lec/Lab	An introductory sequence of two courses that presents the unifying concepts of contemporary biology at all organizational levels through integrated lectures and laboratories. All basic life properties in prokaryotic and eukaryotic systems are studied. 4 credits	College Biology
BIOL 200: Genetics	Introduction to the study of the chemical composition and structure of the genetic material and its transmission and function in development and metabolism. Combines classical and molecular-biological approaches to the understanding of mechanisms of inheritance. Prerequisite: BIOL 101/102. 3 credits	College Biology
BIOL 220: General Microbiology	Introductory lecture-laboratory course which deals with the microbial world: prokaryotes, eukaryotes, and the acellular microorganisms. Emphasizes the microbial cell structure and function, growth and control, genetics, taxonomy, host-parasite interactions, microbial diseases and control, ecology and biotechnology. Prerequisite: BIOL 101/102. 3 credits	College Biology

Howard University Course	Course Description	DCPS Course Title
CHEM 001: General & Applied Chemistry CHEM 002: General & Applied Chemistry Lab	Specially oriented toward students needing one semester of chemistry. Covers topics in elementary inorganic, organic, and biological chemistry. 3 credits Designed to teach some of the elementary techniques of experimentation and observation as carried out in a chemical laboratory. 1 credit	College Chemistry
CHEM 003: General Chemistry I Lec CHEM 005: General Chemistry I	Deals with the fundamental principles of chemistry, the chemical and physical properties of the elements and their most common compounds, and methods of qualitative inorganic analysis. 4 credits Designed to teach some of the techniques of chemical experimentation,	College Chemistry
Lab	illustrate some of the principles of chemical theory, and develop some skill in the preparation and analysis of chemical substances. 1 credit	
ARAB 001: Arabic I	Provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course. 3 credits 1×17	College World Language
GERM 001: German I	Designed to teach students to communicate in German by focusing on useful vocabulary and everyday situations. Students will acquire skills in listening, speaking, reading and writing German while gaining insight into the culture of German-speaking countries. 3 credits	College World Language
JAPN 001: Japanese I	Provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course. 3 credits	College World Language
FREN 001: French I	Provides an introduction to the basic language skills (comprehension, speaking, reading, and writing), with emphasis on proficiency. 3 credits	College World Language

Howard University Course	Course Description	DCPS Course Title
RUSS: 00I: Russian I	Provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course. 3 credits	College World Language
KORE 001: Korean I	Provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course. 3 credits	College World Language
PORT 001: Portuguese I	Provides an introduction to the basic language skills (speaking, listening, reading, and writing). A proficiency-oriented approach is used in the course. 3 credits	College World Language
CHIN 001: Chinese I	Provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course. 3 credits	College World Language
SPAN 001: Spanish I	Provides an introduction to the basic language skills (comprehension, speaking, reading, and writing), with emphasis on proficiency. 3 credits	College World Language
SWAH 001: Swahili I	Provides an introduction to the basic language skills (comprehension, speaking, reading, and writing), with emphasis on proficiency. 3 credits	College World Language
WOLO 001: Wolof I	Provides an introduction to the basic language skills (comprehension, speaking, reading, and writing), with emphasis on proficiency. 3 credits	College World Language
HACR 001: Haitian I	Provides an introduction to the basic language skills (comprehension, speaking, reading, and writing), with emphasis on proficiency. 3 credits	College World Language
ENGL 002: Freshman Composition I	Designed to develop the student's ability to express ideas clearly and effectively in writing and to read with perception and accuracy. 3 credits	College Writing 1
ENGL 003: Freshman Composition II	Intended to increase the student's ability to write effectively, to read critically, and to present ideas logically. 3 credits	College Writing 2

Howard University Course	Course Description	DCPS Course Title
ENGL 054: Afro American Lit to 1940	Surveys the major authors, genres, and ideological movements in African- American literature from the eighteenth century to the middle of the twentieth century; requires students to be able to write about this literature in a clear, coherent way. ENGL-002 and ENGL-003 with grade of "C" or higher highly recommended. 3 credits	College English Lit
ENGL 055: Afro American Lit from 1940 to the Present	Surveys the major authors, genres, and ideological movements in African-American literature from 1940 to the present; requires students to be able to write about literature of this period in a clear, coherent way. ENGL-002 and ENGL-003 with grade of "C" or higher highly recommended. 3 credits	College English Lit
ENGL 014: Intro to Humanities I	The first part of a two-semester core course concentrating on the epic tradition, students will gain an understanding of great and enduring themes of humanistic inquiry through reading literary and philosophical works of major historical significance and being able to write about these themes in clear, coherent, grammatical prose. 3 credits	College Humanities
ENGL 015: Intro to Humanities II	The second part of a two-semester core course focusing on comedy and tragedy in drama and on autobiography and fiction in prose, students will gain an understanding of the multiple ways the relationship between self and other is expressed in literature as well as an ability to write effectively about the issues the course raises. 3 credits	College Humanities

Howard University Course	Course Description	DCPS Course Title
CLAS 014: Intro to Humanities I	The first part of a two-semester core course designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition. 3 credits	College Humanities
CLAS 015: Intro to Humanities II	The second part of a two-semester core course. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. 3 credits	College Humanities
SPAN 014: Intro to Humanities I	The first part of two-semester core course for designed to enhance understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition. 3 credits	College Humanities
SPAN 015: Intro to Humanities II	The second part of a two-semester core course. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. 3 credits	College Humanities

Howard University Course	Course Description	DCPS Course Title
GERM 014: Intro to Humanities I	The first part of two-semester core course for designed to enhance understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition. 3 credits	College Humanities
GERM 015: Intro to Humanities II	The second part of a two-semester core course. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. 3 credits	College Humanities
FREN 014: Intro to Humanities I	The first part of two-semester core course for designed to enhance understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition. 3 credits	College Humanities
FREN 015: Intro to Humanities II	The second part of a two-semester core course. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. 3 credits	College Humanities
HIST 101: World Geography	Provides a background to other intensive studies of the earth's regions, climate, soils, vegetation, population, and economic and political factors. 3 credits	College World History

Howard University Course	Course Description	DCPS Course Title
HHPL 048: Exercise & Wellness	An activity course designed to provide the individual with the benefits and effects of a regular exercise program on their health and well-being, improve motor mechanics and proper body alignment and discuss techniques for monitoring personal weight control and improving nutritional behaviors. 1 credit	College Health
THFD 010: Into to Theatre	Study of the theatre in terms of its critical, historical aesthetic, and practical aspects, focusing on the relationship between theatre and society in various periods. 3 credits	College Fine Arts
ARTH 161: Art Appreciation	Introduction to the elements and dimensions of art and the philosophical, political, and psychological evolution of various cultures. 3 credits	College Fine Arts
HIST 009: US History to 1877	Presents the principal political, economic, social, and cultural developments in U.S. history from the American Revolution to the end of Reconstruction. 3 credits	College US History
MUSC 100: Introduction to Music	This course will provide fundamental knowledge, skills and understanding that will foster a knowledge, appreciation, and enjoyment for the world of music. 3 credits	College Music
PSYC 050: Intro to Psychology	An introduction to basic concepts in psychology. Includes learning, perception, motivation, personality, abnormal, social, and developmental psychology. 3 credits	College Elective
SOCI 001: Intro to Sociology	Basic concepts in sociology including the nature and functioning of groups, the individual and the group, social processes, and social change. 3 credits	College Elective
PHYS 001: General Physics I Lec/Lab	This lecture/laboratory/recitation course deals with mechanics, heat, and sound. 5 credits	College Physics

Howard University Course Descriptions –Dual Enrollment Pre-Approved Courses

Howard University Course	Course Description	DCPS Course Title
POLS 001: Intro to Political Science	Introduction to the basic concepts and substantive divisions of the field of political science. 3 credits	College Political Science
MATH 009: Introduction to Statistics	A first course in statistics. Not intended for students who have taken calculus. Prerequisite: MATH 006, or satisfactory score on the Mathematics Placement Examination. 4 credits	College Mathematics
MATH 007: Precalculus	Exponential and logarithmic functions; trigonometry, and systems of equations. Students planning to take MATH 156 should take this course. Prerequisite: MATH 006, or satisfactory score on the Mathematics Placement Examination. 4 credits	College Mathematics
MATH 012: Patterns in Math	Introduction to the art, nature and applications of mathematics. Emphasis is placed on mathematical patterns occurring in real life situations. The course is not intended for students planning to take any Calculus course Prerequisite: MATH 006, or satisfactory score on the Mathematics Placement Examination. 3 credits	College Mathematics
MATH 026: Applied Calculus	Limits; differentiation; integration; introduction to differential equations; and functions of several variables. Prerequisite MATH 010 or satisfactory score on Mathematics Placement Examination. 4 credits	College Mathematics
Math 156: Calculus I	Limits, continuity, and the derivative and integral of functions of one variable, with applications. Prerequisite: MATH 007 or satisfactory score on Mathematics Placement Examination. 4 credits	College Calculus A
Math 157: Calculus II	Continuation of MATH 156, including more integration, sequences, series, Taylor's theorem, improper integrals, and L'Hospital's rule. Prerequisite: 156. 4 credits	College Calculus B

Howard University Course	Course Description	DCPS Course Title
SYCS 135: Computer Science I	Provides an introduction to the discipline of computer programming. Designed to expose students to basic programming concepts and to the use of the C++ language. Also designed to enhance the student's ability to design, develop and test/debug programs. Emphasis will be placed on problem analysis and on the subsequent development of algorithms. A major focus of the lectures will be to provide an overview of real-world problem solving concepts and top-down software design. 3 credits	College Engineering
SYCS 453: Introduction to Cybersecurity	Introduces the basic concepts of cryptography. Various cipher systems are presented including transposition and substitution systems, Block ciphers, RSA & Knapsack. Methods used to attack ciphers are discussed with emphasis on complexity. Case studies of use of cryptographic methods in communication systems are presented with some consideration given to privacy issues. 3 credits	College Engineering
CIEG 207: Introduction to Environmental Engineering	Introduces concepts in water supply, water and wastewater treatment, air quality, solid and hazardous waste management and social and ethical considerations. Provides a brief history and background of environmental engineering. 3 credits	College Engineering
ARCH 003: Environment and Architecture	Examines the interrelationship between natural and built environments. Provides an introduction to natural, cultural, psychological, technological, economic and formal factors that have shaped buildings and human settlements across space and time. Explores the ecological impact of the human settlement; addresses current environmental issues, and acquaints students with concepts of sustainable architecture and development. 3 credits	College Engineering