

Dawg Days: Jumpstart 2020 Course Curriculum

Track	Course Number	Title	Credits
Math Track	MATH 151	Calculus and Analytic Geometry I	4
	Topics of this course include limits, continuity, the rate of change, derivatives, differentiation formulas for algebraic, trigonometric, logarithmic, and exponential functions, maxima and minima, integration and computation of areas, the Fundamental Theorem of Calculus, areas and volumes of solids of revolution, and applications.		
	MATH 155	Applied Calculus	4
	Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and integration with applications, are treated in this course. Technology will be utilized to enhance understanding of the concepts and their applications. Not recommended for students majoring in mathematics, computer science, engineering, or physical sciences.		
	MATH 150	Precalculus Mathematics	4
	This course provides the mathematical preparation necessary for success in calculus. It also provides preparation for basic physics, computer science and engineering science courses. Topics covered include review of functions and graphing techniques; logarithmic and exponential functions; review of basic right-angle trigonometry followed by an extensive treatment of trigonometric functions, identities and applications to the analytic geometry of the conic sections, applications to two-dimensional vectors and to the geometry of complex numbers.		
	MATH 106	Algebra and Elementary Functions	3
	An introduction to the basic techniques and functions of mathematics. This course is especially recommended for those students who need to brush up due to a shaky high school preparation or for those who haven't had a mathematics course in several years. Topics include linear equations and inequalities; quadratic equations; polynomials; and rational functions and their inverses, including the exponential and the logarithm.		
Writing Track	MATH 104	Quantitative Literacy	3
	Math 104 focuses on algebraic and numeric skills in a context of applications and problem-solving to prepare students for Introduction to Statistics (Stat 121) or Contemporary Mathematics (Math 120). Topics include quantitative relationships, algebraic reasoning, functional reasoning, probabilistic and statistical reasoning, Quantitative communication skills are incorporated		
Writing Track	ENGL 100	Composition	3
	A course in critical thinking, reading, and composing, with an emphasis on integrating academic research and documentation. Students read and produce work for a variety of purposes and audiences, focusing on strategies for researching, organizing, drafting, sharing, and revising. To satisfy the composition general education requirement, this course must be taken within a student's first 30 credit hours of enrollment at UMBC.		

General Education Track	AMST 100	Introduction to American Studies	3
	<i>Arts & Humanities GEP.</i> A broad introduction to the study of American culture, past and present. The course focuses upon primary ideas that have been most influential in the development of American culture and their expression in various forms, written and visual. Special emphasis is placed upon tensions between the individual and society and upon the relationship of culture to subcultures.		
	ANCS 210	Classical Mythology	3
	<i>Arts & Humanities OR Culture GEP.</i> A study of the principal Greek and Roman myths.		
	ANTH 211	Cultural Anthropology	3
	<i>Social Science OR Culture GEP.</i> An introduction to the central concepts and issues in cultural anthropology. The course employs a worldwide comparative perspective that examines topics such as: the concept of culture, cultural-ecological systems and family organization; magic, religion and witchcraft; socialization, personality and mental illness; conflict resolution and warfare.		
	HIST 103	East Asian Civilization	3
	<i>Social Science OR Culture GEP.</i> A history of traditional society in East Asia, focusing on China and Japan, but touching also on Korea and Vietnam. This course will introduce the principal elements of East Asian civilization before the intrusion of the West in the 19th century. It also will provide an essential historical perspective to developments in contemporary East Asia.		
MCS 222	Introduction to Media & Communication Studies	3	
<i>Arts & Humanities GEP.</i> This course offers students an introduction to the critical perspectives and research methods that are central to the analysis of mass communication policy and programming, new media, interpersonal communication, and audience reception. The course will provide students the skills to design and apply a range of interdisciplinary concepts and methods to media analysis projects. Themes of the course will situate various forms of media within specific historical and cultural contexts.			
ALL – Fall 2020	FYE 101	Introduction to an Honors University Seminar	1
	Introduction to an Honors University (IHU) Seminar is a 1-credit course designed for first year students at UMBC. This 1-credit discussion section is designed to assist students in achieving academic success at UMBC. This course will focus on the academic expectations, skills, and behaviors needed to achieve success at an honors research university. Additionally, the course will provide you with resources to help you connect with the larger campus community and provide support to you throughout your UMBC experience and beyond.		