Hostos Community College

ADDENDA TO THE 2016-2018 HOSTOS COMMUNITY COLLEGE ACADEMIC BULLETIN

June 2017

CUNY The City University of New York

TABLE OF CONTENTS

JUNE 2017

NEW COURSES

Mathematics Department

[ADD] New Course
CSC 275 Object Oriented Programming
3 credits 3 hours
Pre-requisites: ENG 93/ESL 91/ESL 93; CSC 215
This course is a continuation of algorithmic problem solving designed to promote object oriented programming concepts, techniques, and applications. It introduces more advanced methods, particularly object-oriented design. Topics include: procedural abstraction, user defined static, dynamic and generic data types, linked structures, sorting and searching, event-driven programming and recursion. Abstract data types, inheritance and polymorphism are examined. Principles of rigorous programming practice and software development are emphasized.

[ADD] New Course
CSC 375 Computer Networking
3 credits 3 hours
Pre-requisite: CSC 215
Pre/Co-Requisite: ENG 93/ESL 91/ ESL 93 or equivalent
This course studies the design principles of network infrastructure and how these designs may be compromised and how they work. Thus, it presents principles and methodologies used in the design and implementation of modern computer networks and networked information systems. Topics include: shared use of a multiple access channel, error detection and recovery, and flow and congestion control. This course studies packet switched networks, routing protocols, internet protocols and protocols at each layer. This course also introduces network programming-algorithms and procedures for secure and reliable transport over best-effort delivery systems. Students will develop several client-server applications such as writing a simple networking service at the I.P. layer or higher.

[ADD] New Course
CSC 395 Web & Mobile App Development
3 credits 3 hours
Pre-requisite: CSC 215
Pre/Co-Requisite: ENG 93/ESL 91/ ESL 93 or equivalent
This course studies the design principles of Web & Mobile application programming. Students will gain experience with the languages and frameworks used in developing Web & Mobile applications, specifically with the design of user interfaces and software systems, and associated topics such as networking and security.

CHANGES MADE TO EXISTING COURSES

Humanities Department (Effective FALL 2017)

[REVISED] Course Descriptions Revised
HUM 100 Introduction to Global Humanities
This course will offer a global awareness and understanding of the expansive history of humanity and the diversity of cultural forms and practices. Its aim is to give foundational knowledge from multiple perspectives that describe the chronological and geographical relationships between cultures. This course will also pique students' interest in history, philosophy, literature, social sciences, art, and music. This will encourage the student to reflect on how personal origins and beliefs affect actions and values.

VPA 111 Arts and Civilization I: Prehistory to 1400
Students will become familiar with core global examples of material culture, art, design, and architecture from the Paleolithic era to the fifteenth century. Through museum visits, readings, class discussions, and writing assignments, students will consider the crucial role of these images and objects in the formation of their respective historical and cultural context.

VPA 112 Arts and Civilization II: 1400 to Present
Students will expand and refine their knowledge of core global examples of material culture, art, design, and architecture from the fifteenth century to the present in Arts and Civilization II. Through museum visits, readings, class discussions, and writing assignments, students will consider the crucial role of these images and objects in the formation of their respective historical and cultural context.

VPA 114 Modern Art in the City
Modern Art in the City introduces students to a diverse range of twentieth and early twenty-first century visual art and architecture. Students will consider the crucial role of art and architecture in their respective historical and cultural contexts. Through museum visits, readings, writing assignments, web resources, and by exploring New York City itself as a case study, students will examine the history of modern art and the role of the city in the creation and reflection of our modern, global experiences.

Humanities Department

HUM 100 Introduction to the Humanities
[DELETE] Introduction to the Humanities
[ADD] Introduction to Global Humanities

VPA 111 Arts and Civilization I
[DELETE] Arts and Civilization I
[ADD] Arts and Civilization I: Prehistory to 1400

VPA 112 Arts and Civilization II
[DELETE] Arts and Civilization II
[ADD] Arts and Civilization II: 1400 to Present

Mathematics Department Effective Spring 2018

MAT 215 Modern Programming
[DELETE] MAT 215
[DELETE] 3 hours
[DELETE] Pre/Co-requisite: MAT 210 and ENG/ESL 91
[ADD] CSC 215
[ADD] 4 hours
[ADD] Pre/Co-requisite: MAT 210 and ENG/ESL 91

LIBERAL ARTS A.A. – ACADEMIC PLAN REVISION EFFECTIVE FALL 2017

MAJOR REVISED
[FROM] Liberal Arts A.A. (Major)
[TO] Updated Liberal Arts A.A.

REQUIRED COMMON CORE	**CREDITS**
English Composition	6
Mathematical and Quantitative Reasoning	3[1]
Life and Physical Science	3[2]

FLEXIBLE COMMON CORE	**CREDITS[3]**
World Cultures and Global Issues	3
US Experience in its Diversity	3
Creative Expression	3
Individual & Society	3
Scientific World	3
One (1) additional course from the Flexible Common Core	3
Subtotal	**30**

Natural Science Laboratory	1-2[4]
First Year Seminar	3
Modern Languages, Humanities, Arts and Culture	6[5]
Behavioral, Social Sciences/Historical Studies/Public Affairs	6
Recommended/Options/Electives*	**9[6]**

A) Language and Linguistics
B) Education
C) English
D) Latin-American & Caribbean Studies
E) Black Studies

F) Public Affairs
G) Historical Studies
H) Social Work
I) Community Health
J) Women & Gender Studies
K) Mathematics
L) Theater

For the Recommended/Options/Electives see the Degree Audit for course offerings

Electives & Options

Electives: The students may use the electives credits in any number of ways. Students may choose to take courses that interest them or they may choose to select courses that satisfy one of the options available at Hostos for entry into major at a senior institution.

Capstone Course 3

Free Electives..... 1-4[7]

Subtotal..... 30

Total..... 60

[1]*STEM courses of four credits (designed for math related fields) will fulfill core requirements for Mathematical and Quantitative Reasoning category.*

[2]*STEM courses of four credits (designed for science related fields) will fulfill core requirements for Life & Physical Sciences and the Scientific World categories.*

[3]*The Flexible Common Core features six liberal arts and sciences courses, with at least one course from each of the five listed areas, and no more than two courses in any discipline or interdisciplinary field. Course menus are subject to modification as additional courses may be added. Students should consult their advisor to determine current menu offerings.*

[4]*Students who complete a STEM variant science course (designed for science or health related fields) or a sequence in the natural sciences, or any other course in the natural sciences that fulfills the LPS or SW requirements, are exempt.*

[5]*Course list is based on departmental liberal arts offerings including courses that are prerequisites for entry into concentration or major requirements. Students who enroll in a modern language discipline should complete a two semester sequence.*

[6]*Students may complete approved foundation courses that articulate with senior college degree concentrations to ensure effective transfer. While completion of a concentration is encouraged, students may pursue an elective option. The concentrations are illustrative and additional offerings are under development. Students should consult an advisor to determine specific requirements for entry into program majors.*

[7]*Students who complete prerequisites or foundation courses in a concentration through the flexible core may select additional electives from the clustered disciplines (i.e. humanities, arts, modern languages behavioral, social sciences/historical studies/public affairs) or the free elective category*

FORENSIC SCIENCE A.S. – ACADEMIC PLAN REVISION EFFECTIVE FALL 2017

MAJOR REVISED

[FROM] Forensic Science A.S. (Major)

[TO] Updated Forensic Science A.S.

REQUIRED COMMON CORE		**CREDITS**
English Composition		**6**
ENG 110, ENG 111		
Mathematical & Quantitative Reasoning		**4**
MAT 160 Pre-Calculus **OR** MAT 210 Calculus I (Degree Requirement)		
Life & Physical Sciences		**4**
BIO 210	General Biology I (Degree Requirement)	

FLEXIBLE COMMON CORE		
World Cultures & Global Issues		**3**
US Experience in its Diversity		**3**
Creative Expression		**3**
Individual and Society ***(Taken at John Jay College)***		**0**
Scientific World		**4**
BIO 220	General Biology II (Degree Requirement)	
One (1) additional Course from the Scientific World)		**4**
CHE 210	General Chemistry I (Degree Requirement)	

MAJOR REQUIREMENTS		**CREDITS**
CHE 220	General Chemistry II	4
MAT 210	Calculus I	
OR		
CHE 230	Quantitative Analysis	4*
CHE 310	Organic Chemistry I	3
CHE 312	Organic Chemistry I Lab	2
CHE 320	Organic Chemistry II	3
CHE 322	Organic Chemistry II Lab	1
MAT 220	Calculus II	4
PHY 220	Physics II	4
Total Credits for Degree		**60**

*__Note:__ Students who take MAT 210 Calculus I for the Math and Quantitative Reasoning requirement **must** choose CHE 230 Quantitative Analysis. Students who take Pre-calculus for the Math and Quantitative Reasoning Requirement **must** choose MAT 210 Calculus I. Students who do not take CHE 230 Quantitative Analysis at HCC **must** take CHE 220 at John Jay

College before beginning the Fall Semester of the Junior Year.

Note: Students **must** maintain an overall Grade Point Average of 2.5, and a minimum grade of 'C' in Biology, Chemistry, Mathematics, and Physics courses to be retained in and graduated from the program. For more information visit: www.hostos.cuny.edu/oaa/ddp/