QUEENSBOROUGH COMMUNITY COLLEGE
CITY UNIVERSITY OF NEW YORK
CURRICULUM COMMITTEE

To: Peter Bales, Academic Senate Steering Committee
From: Aránzazu Borrachero, Chairperson, Committee on Curriculum
Date: October 28, 2014

Subject: Monthly Report

The Committee on Curriculum has voted to send the following recommendations to the Academic Senate:

1. NEW COURSES (5)
2. REVISED COURSES (2)
3. REVISED PROGRAMS (3)
4. STATEMENT IN SUPPORT OF THE RECOMMENDATION OF THE GENERAL EDUCATION ASSESSMENT TASK FORCE REPORT

1. NEW COURSES

Department of History

HI-173: Barbarians: From the Roman Empire to the Early Modern World
Credits and hours: 3 credits, 3 hours
Prerequisites: BE-122 (or 226) and BE-112 (or 205), or satisfactory score on the CUNY/ACT Assessment Test.

Course description: This course will discuss the different groups that modern historians and contemporaries have called 'barbarians,' from the later Roman Empire through the Middle Ages and to the early modern period. Topics to be considered include definitions of barbarians, the role of barbarians in the fall of the Roman Empire, barbarian identity and the creation of barbarian states, later barbarian groups such as the Vikings and Mongols, and, finally, early modern Europeans as barbarians in China and Japan.

Rationale: A course on barbarians from Roman times to the early modern period is needed because many of the Roman ideas about civilization and barbarism have had a profound effect on the way that western culture has viewed non-western peoples. Through an analysis of the creation and use of the concept of barbarians and the interaction between peoples categorized as barbarians and those as deemed civilized, students will gain an awareness of identity politics in the pre-modern world. Assessing the development and validity of simple binary categories, such as barbarian versus civilized, fulfills a core mission of QCC by sharpening students' global awareness. Students are often surprised that European countries were not always dominant in world politics, and thus this course, which traces the relationship between the peoples of Europe to first the Mediterranean Roman Empire and finally to China, highlights some of the fundamental differences between the pre-modern and modern worlds

HI-193: Introduction to the History of Borderlands
Prerequisites and/or co-requisites: BE-122 (or 226) and BE-112 (or 205), or satisfactory score on the CUNY/ACT Assessment Test.
Credits and hours: 3 hours, 3 credits

Course description: Borderlands are areas where nation states meet one another. There are many borderlands the world over, and many of them share similar problems and challenges for their respective governments. In this class, we will see how there is a common trajectory to borderlands histories, since they are all by definition frontier zones and they often elude state surveillance. Such highly diverse actors as cattle rustlers, Indians, runaway slaves, grasping caudillos, and drug runners appear often in borderlands histories. We will compare the history of borderlands across Latin America and pay particular attention to the border separating Latin American and U.S. space. The U.S./Mexico borderlands—as they are the most familiar and well researched of contemporary global borderlands—will figure prominently in the course.

Rationale: The importance of the topic of borderlands in the current world makes this a particularly salient topic amongst undergraduates. The topic bridges the gap between academia and real world politics and holds a broad interest among students. Use of the available resources on campus and in the metropolitan area can help students with their research

agendas. The course arms students with a critical vocabulary to discuss an issue that has global implications. The course fulfills the mission of the college of promoting intellectual inquiry and global awareness among students.

Department of Speech Communication and Theater Arts

TH-135: Costume Construction (previously experimental)
Prerequisites and/or co-requisites: None
Credits and hours: 2 class hours, 2 studio hours, 3 credits

Course description: Project based learning with a concentration on costume and garment construction, basic and advanced sewing skills, and basic draping and pattern making. Basic introduction to different techniques for hand sewing, machine sewing, fabrics and costume shop equipment. Students will explore basic pattern making, flat patterning, draping. Student will apply their skills to various personal sewing and building projects, as well as being involved in builds and alterations for current theatrical productions. This will garner a greater understanding of the process and function of a professional costume shop.

Rationale: A costume construction class is necessary to fully realize a technical learning of theater in this program.

Department of Social Sciences

SOCY-285: Human Behavior in the Social Environment
Prerequisite: SOCY185
Credits and hours: 3 class hours, 3 credits

Course description: This is a foundation course to familiarize students with the generalist social work practice. The course material is taught from bio-psycho-social-cultural perspectives, and includes theoretical and empirical knowledge about normal biological, psychological, and sociological development. The emphasis is on issues of human diversity, including race, ethnicity, gender, age and sexual orientation, and on the impact of oppression and discrimination on individuals and families throughout their lifespan.

Rationale: The social work field has been growing. Students have been requesting a course in addition to SOCY 185 to continue their study in the field.

Department of Health, Physical Education and Dance

PE-842: Philosophy of Coaching (previously experimental)
Prerequisites and/or co-requisites: None
Credits and hours: 1 credit, 2 class hours, 10 hours of field experience

Course description: Students will be provided with an overview of the psychology of coaching and participation in sport and exercise. Basic psychology of individuals and groups will be discussed as it affects participation and success within athletics. The course will incorporate all levels of coaching, but will focus on coaching youth athletics. Topics will include motivation, stress, communication, group dynamics, leadership, reinforcement, feedback, and strategies as they relate to coaching.

Rationale: Philosophy of Coaching will provide students with fundamental knowledge of coaching young athletes. The field experience will provide them with hands-on practice on camp work or after-school settings. Many city and private-based camps are in search for trained individuals to work in summer camps and after school centers. This course will provide a unique advantage to applicants for these positions. Students can use the knowledge obtained from this course to pursue higher level coaching, such as high school and collegiate athletics.

2. COURSE REVISIONS (2)

Department of Health, Physical Education and Dance

HE-200: Emergency Medical Technician

From: HE-200 Emergency Medical Technician [7.5 class hours, 4.5 laboratory hours] 9.5 credits Prerequisite: A valid CPR (Cardio-Pulmonary Resuscitation) Certificate, HE-110, [or the	**To**: HE-200 Emergency Medical Technician 9 hours, 5.5 laboratory hours, 9.5 credits Prerequisite: A valid CPR (Cardio-Pulmonary Resuscitation) Certificate or HE-110.

Certificate, HE-106, or the equivalent.] This course prepares the student for EMT (Emergency Medical Technician) certification. The content and sequence of the course material are mandated by the State of New York Department of Health, Bureau of Emergency Health Services. Meets national educational guidelines for Emergency Medical Technician Educational standards	(Emergency Medical Technician) certification. The content and sequence of the course material are mandated by the State of New York Department of Health, Bureau of Emergency Health Services. Meets national educational guidelines for Emergency Medical Technician Educational standard.

Rationale: Early in the Spring 2013 semester, the HPED Department revised the content, credits and hours for HE-200 due to a change in New York State requirements for EMT certification. Further adjustments are necessary now due to the fact that NYS requirements are for clock hours (60 minutes), as opposed to 50-minute class hours. The revised hours reflect the conversion of the state required number of hours to our 50-minute class hours. The elimination of HE-106 reflects the fact that it is not a necessary prerequisite for HE-200.

PE-522: Lifeguard Training

From: PE-522 Lifeguard Training Offered as needed Prerequisite: satisfaction of American Red Cross entry standards (test administered by the Department prior to coursework). To become a certified American Red Cross lifeguard, students must have Adult CPR and Standard First Aid certification in addition to completion of this course.	To: PE-522 Lifeguard Training 2 Hours, 1 Credit. Prerequisite: satisfaction of American Cross entry standards (test administered by the Department prior to coursework). This course will teach students the skills and knowledge needed to prevent and respond to aquatic emergencies quickly and effectively. Upon successful completion of the course and all Red Cross requirements students will be eligible to receive certification for lifeguarding and CPR through the American Red Cross

Rationale: The lifeguard curriculum has been revised since we last offered the course. The proposed changes reflect the actualization of the American Red Cross lifeguard curriculum. The credits and hours of this course have been updated to reflect the time required for the course. It is listed as a change because the credits or hours of the course were not originally listed in the college catalog.

3. PROGRAM REVISIONS (3)

Department of Biological Sciences and Geology

AS/BS QCC/York Dual/Joint Biotechnology Degree Program

Note: This proposal was presented and approved at the October 14 Academic Senate meeting. After the vote, it was brought to the attention of the Curriculum Committee that a course series, PE 500, had been involuntarily omitted from the list of "Additional Major Requirements." The current proposal includes the PE 500 series.

Rationale: York College will no longer accept BI 461 (General Microbiology) from QCC transfer students, who must complete it at York. To adjust the number of credits in the major, we now require BI 554 (Research Laboratory Internship), which was previously an elective course. The conversion of BI 554 to a required course also responds to the students' increase demand for research internship experience.

FROM:

Common Core	Credits
REQUIRED CORE: I. A: English Composition I, II (Take EN 101 & 102)	6
REQUIRED CORE: I. B: Mathematical & Quantitative Reasoning (Required: MA 441)*	4
REQUIRED CORE: I. C: Life & Physical Sciences (Required: BI 201)*	4

FLEXIBLE CORE: II. A: World Cultures & Global Issues (Select one course)	3
FLEXIBLE CORE: II. B: U.S. Experience in Its Diversity (Select one course)	3
FLEXIBLE CORE: II. C: Creative Expression (Select one course)	3
FLEXIBLE CORE: II. D: Individual & Society (Select one course)	3
FLEXIBLE CORE: II. E: Scientific World (Required: CH 151)*	4.5
FLEXIBLE CORE: II: A, B, C, D or E (Required: CH 152)*	4.5
Subtotal	**35**
Major	
BI 202 General Biology II	4
BI 453 Biotechnology	5
BI 356 Principles of Genetics	4
[BI 357 Bioinformatics/Computational Biology *or* BI 461 General Microbiology	3-4]
Subtotal	**16-17**
Additional Major Requirements	
HE 102 Health, Behavior and Society *and* one course from PE 400 series	3
SP 211 Speech Communication	3
Subtotal	**6**
Elective(s)	
[Free electives	2-3]
[BI 554 Research Laboratory Internship (optional)	(2)]
Total	**60**

TO:

Course to Course Equivalencies and Transfer Credit Awarded	Credits
Common Core Queensborough	
REQUIRED CORE: I. A: English Composition I, II (Take EN 101 & 102)	6
REQUIRED CORE: I. B: Mathematical & Quantitative Reasoning (Required: MA 441)*	4
REQUIRED CORE: I. C: Life & Physical Sciences (Required: BI 201)*	4
FLEXIBLE CORE: II. A: World Cultures & Global Issues (Select one course)	3
FLEXIBLE CORE: II. B: U.S. Experience in Its Diversity (Select one course)	3
FLEXIBLE CORE: II. C: Creative Expression (Select one course)	3
FLEXIBLE CORE: II. D: Individual & Society (Select one course)	3
FLEXIBLE CORE: II. E: Scientific World (Required: CH 151)*	4.5
FLEXIBLE CORE: II: A, B, C, D or E (Required: CH 152)*	4.5
Subtotal	**35**
Major	
BI 202 General Biology II	4
BI 453 Biotechnology	5
BI 356 Principles of Genetics	4
BI 357 Bioinformatics/Computational Biology	3
BI 554 Research Laboratory Internship	2
Subtotal	**18**
Additional Major Requirements	
HE 102 Health, Behavior and Society *and* one course from PE 400 series or PE 500 series	3
SP 211 Speech Communication	3
Subtotal	**6**
Elective(s)	
Free elective	1
Subtotal	1

Total	60

Students are required to take particular courses in some areas of the Common Core that fulfill both general education and major requirements. If students do not take the required courses in the Common Core, they will have to take additional credits to complete their degree requirements.
All students must complete two (2) WI designated classes to fulfill degree requirements.

Environmental Health Program

From: Environmental Health

To: Environmental Health/Science

From:

REQUIREMENTS FOR A.S. DEGREE (Environmental Health)

GENERAL EDUCATION CORE REQUIREMENTS   Credits
EN-101, 102   English Composition I, II..6
BI-201   General Biology I 4
CH-151,152   General Chemistry I, II 9
MA-440   Pre-Calculus Mathematics 4
PH-301, 302   College Physics I, II 8
[PSYC-101   Psychology...3]
[———   Humanities elective...3]
[HI-110, 111,
or 112   History ....3]

Sub-total 40
PREREQUISITES AND COREQUISITES
FOR THE MAJOR
BI-202   General Biology II...4
BI-311   Principles of Microbiology 4

                                                        Sub-total 8

REQUIREMENTS FOR THE MAJOR
BI-501   Environmental Health Science... 4
BI-505   The Environmental Health Professional 1
BI-520   Public Health Science... 4
Sub-total 9
ELECTIVES
———   Advised electives 3

Total Credits Required 60

To:
Common Core (for both Environmental Health and Environmental Science tracks)
                                                        Credits
REQUIRED CORE: I. A: English Composition I, II (Take EN 101 & 102)   6
REQUIRED CORE: I. B: Mathematical & Quantitative Reasoning (Required: MA 440)   4
REQUIRED CORE: I. C: Life & Physical Sciences (Required: BI 201)   4
FLEXIBLE CORE: II. A: World Cultures & Global Issues   3
FLEXIBLE CORE: II. B: U.S. Experience in Its Diversity (Select one course)   3
FLEXIBLE CORE: II. C: Creative Expression (Select one course)   3
FLEXIBLE CORE: II. D: Individual & Society (Select one course)   3
FLEXIBLE CORE: II. E: Scientific World (Required: CH 151)   4.5
FLEXIBLE CORE: II: A, B, C, D or E (Required: CH 152)   4.5

Subtotal   35

Major Requirement

BI-202 General Biology II   4

Subtotal   4

Requirements

Track 1: For EH Major only		Track 2: For ES major only	
BI-501 Environmental Health	4	BI 480 Environmental Science	4
BI- 520 Public Health Science	4	BI -160 Ecology	4
BI-311 Principles of Microbiology	4	BI- 461General Microbiology	4
BI 505 The Environmental Health Professional	1	GE-101 Physical Geology	4

Subtotal   13   Subtotal   16

Advised electives   Track 1 EH   8   Track 2 ES   5

Total Credits Required Track 1 EH   60   Track 2 ES   60

Advised Electives may include:

For Track 1:	Environmental Health	Credits	For Track 2:	Environmental Science	Credits
BI-554	Research Laboratory Internship	2	BI-554	Research Laboratory Internship	2
CH-110/111	Chemistry and the Environment/lab	4	CH-110/111	Chemistry and the Environment/lab	4
HE-110	Cardiopulmonary Resuscitation	1	ET-841	Science of Energy and Power	3
MA-336	Computer-Assisted Statistics	3	ET-842	Energy Production and Conservation	1
MA-441	Analytic Geometry and Calculus	4	ET-843	The Role of Energy in Society	3
PH-301, 302	General Physics I, II	8	GE-102	Historical Geology	4
			HE-110	Cardiopulmonary Resuscitation	1
			MA-336	Computer-Assisted Statistics	3
			MA-441	Analytic Geometry and Calculus	4
			PH-120/121	Introduction to Meteorology/lab	4
			PH-124	Global Warming	3
			PH-301	General Physics I	4

Rationale: The proposed program revision will expand on the current Environmental Health program to offer an additional concentration in Environmental Science. With the proposed changes, QCC students will be offered the opportunity to obtain an A.S. degree in Environmental Health/Science, with a concentration in either Environmental Health or Environmental Science. This program revision was suggested in the 2010-2011 Academic Program Review of Environmental Health (http://www.qcc.cuny.edu/pv_obj_cache/pv_obj_id_359919891C1C18A202FAA1D1810AFDFCADCC0100/filename/Environmental_Health_Report-Web_Site_Version.pdf) as a way of increasing enrollment and retention by increasing transfer and job opportunities. The addition of an environmental science track should increase the number of students who graduate and obtain careers in both of these growing fields. Because a B.S. degree is essential for most types of employment in this field, articulations with York College, Queens College, Lehman College, and Molloy College are close to being completed. Articulations with senior colleges will allow students that complete the A.S. degree at QCC to transfer to a 4-year college. Additional colleges within CUNY will also be contacted to give students more options for seamless transfer to a 4-year school.

Department of Engineering Technology

Internet Technology Program

From: Internet Technology – A.A.S. Degree Program
To: Internet and Information Technology – A.A.S. Degree Program

From:

REQUIREMENTS FOR THE MAJOR

ET-504 Operating Systems and System Deployment   2
ET-704 Networking Fundamentals I   4
ET-710 Web Technology I: Building
and Maintaining Web Sites   4
ET-712 Web Client Programming: JavaScript   3
ET-718 Database Technology   3
[AR-121 Two Dimensional Design   3]
[ARTS-291 Electronic Imaging   2]
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Sub-total [21]

To:

REQUIREMENTS FOR THE MAJOR

ET-504 Operating Systems and System Deployment   2
ET-575 Introduction to C++ Programming   3
ET-704 Networking Fundamentals I   4
ET-705 Networking Fundamentals II   4
ET-710 Web Technology I: Building and Maintaining
 Web Sites   4
ET-712 Web Client Programming: JavaScript   3
ET-716 Java Programming Technology   4
ET-718 Database Technology   3
ET-720 Advanced Web and Multimedia Programming
 Applications   1
ET-725 Computer Network Security   3

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Sub-total 31

Rational: The name "Internet and Information Technology" is more easily recognized by students and better describes the new proposed curriculum revision. Internet and Information Technology has become a more defined and technically oriented field. Art concepts are either included in technology courses or no longer as necessary in the field. Both the Engineering Technology and the Art Department agree to this change. Programming skills have become more increasingly important [ET-575, ET-716, ET-720] and cloud and mobile technologies [ET-705] are now essential as well as security [ET-725].

From:

COMMON CORE REQUIREMENTS   CREDITS

REQUIRED CORE 1A: EN-103 Writing for the New Media................ 3
EN-102 English Composition II.. 3
REQUIRED CORE 1B: [MA-301 Foundations of Mathematics ....3]
REQUIRED CORE 1C: Laboratory Science (STEM Variant) 4
FLEXIBLE CORE 2A, B or D: Social Science or History courses............6
FLEXIBLE CORE 2A, B, C or D: Humanities elective
(select one additional course) 3
Sub-total 22

ELECTIVES[****]**
Select [17] credits from the following:
ET-375 Introduction to Robotics   4
ET-481 Personal Computer Technology, Architecture,

[ET-505 Introduction to 'C++' Object Oriented
Programming   4]
ET-506 Introduction to UNIX (LINUX)   4
[ET-507 Advanced 'C++' Object Oriented Programming   4]
ET-510 Introduction to Digital Electronics   4
ET-570 Creating Smartphone Apps   3
[ET-575 Introduction to C++ Programming
Design and Implementation   3]
[ET-705 Networking Fundamentals II   4]
ET-706 Network Configuration I (Cisco CCNA 3)   4
ET-707 Network Configuration II (Cisco CCNA 4)   4
ET-714 Web Technologies II: Building Database-
Driven Web Sites   4
[ET-716 Java Programming Technology   4]
[ET-720 Advanced Web and Multimedia
Programming Applications   1]
[ET-725 Computer Network Security   3
ET-728 Web Tech: XML   4
ET-841 The Science of Energy
and Power in the Modern World   3
ET-842 Energy Production
and Conservation for a Sustainable World   1
ET-991 Cooperative Education   1
ET-992 Cooperative Education   1
[ARTS-192§ Web Animation   3]
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Sub-total [17]

[** *The following New Media Technology electives are highly recommended: AR-642, ET-714, ET-716. ET-718, ET-720, ET-991, 992]*

To:

COMMON CORE REQUIREMENTS   CREDITS

REQUIRED CORE 1A: EN-103 Writing for the New Media...............3
EN-102 English Composition II...3
REQUIRED CORE 1B:
MA-321 Mathematics in Contemporary Society.................................3
REQUIRED CORE 1C: Laboratory Science (STEM Variant) ···......... 4
FLEXIBLE CORE 2A, B, D or E: Social Science or History courses[1]...6
FLEXIBLE CORE 2A, B, C or D: Humanities elective
(select one additional course) ...._____3
                                         Sub-total 22

ELECTIVES
Select 7 credits from the following:
ET-375   Introduction to Robotics   4
ET-481   Personal Computer Technology,
Architecture, and Troubleshooting   2
ET-506   Introduction to UNIX (LINUX)   4
ET-507   Advanced 'C++' Object Oriented Programming   4
ET-510   Introduction to Digital Electronics   4
ET-570[2]   Creating Smartphone Apps Design and Implementation 3
ET-714[2]   Web Technologies II: Building Database-
Driven Web Sites   4
ET-728[2]   Web Tech: XML   4
ET-841   The Science of Energy and Power in the Modern World 3
ET-842   Energy Production and Conservation

| ET-991 | Cooperative Education | 1 |
| ET-992 | Cooperative Education | 1 |

Sub-total 7

[1] *ECON-101 and ECON-102 are highly recommended as flexible core electives*
[2] *Highly recommended elective*

Rational: MA301 is proposed to be replaced by MA321. This change will serve to slightly raise the academic rigor of the program. MA321 is a more appropriate requirement for the now more technically oriented focus of the curriculum. MA321 has more statistics, introduces functions and also has an Excel lab where students can apply their Excel skills to be able to solve problems relating to the course. MA301 is a more basic class.

For the common core recommended electives: Industrial advisors have confirmed the need for ECON-101 and ECON-102 as suggested Social Science/History electives.

Recommended program electives: In the proposal ET-575, ET-705, ET-716, ET-720 and ET-725 are proposed to be required courses, and hence are no longer listed as electives. ET-714, previously listed as highly recommended, shares some of the important topics in ET-716. Because ET-716 is now to be a required course it is suggested that most students would likely benefit from broader choice of electives, unless they wish to specifically specialize in database technologies. The new course ET-570, Smartphone Apps, is added because of the importance of mobile technologies. ET-728, XML, addresses the essential topic of e-commerce.

ET-505 (Introduction to C++ Object Oriented Programming), 4 credits, is removed from the list of electives and is replaced with the required course ET-575 (Introduction to C++ Programming Design and Implementation). ET-507 (Advanced C++ Object Oriented Programming), 4 credits, is also removed from the list of electives as it is designed to follow ET-505.

4. Statement in Support of the Recommendation of the General Education Assessment Task Force Report

The Committee on Curriculum has read and discussed the General Education Assessment Task Force report containing a summary of the work of the Assessment Task Force during June 2014. The report recommends that the Task Force review the General Education outcomes for possible revisions. The Committee on Curriculum supports this recommendation.