

**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: December 2, 2014

Subject: Monthly Report

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

1. REVISED PROGRAMS (2)
2. NEW COURSE (1)

1. REVISED PROGRAMS

DEPARTMENT OF ENGINEERING TECHNOLOGY

From: Internet Technology – A.A.S. Degree Program

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

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 Mathematics3
REQUIRED CORE 1C:	Laboratory Science (STEM Variant)4
FLEXIBLE CORE 2A, B, D, or E:	Social Science or History courses.....6
FLEXIBLE CORE 2A, B, C or D:	Humanities elective (select one additional course) ...3
	Sub-total 22

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:	<u>MA-321 Mathematics in Contemporary Society.....3</u>
REQUIRED CORE 1C:	<u>Life & Physical Sciences (select from 1C).....3-4</u>
FLEXIBLE CORE 2A, B, D, or E:	Social Science or History courses ¹6
FLEXIBLE CORE 2A, B, C or D:	Humanities elective (select one additional course) ...3
	Sub-total 21-22

ADDITIONAL MAJOR REQUIREMENTS

Laboratory Science² BI-132, BI-171, CH-102, CH-111,
CH-121, ET-842 OR PH-112..... 0-1

¹*ECON-101 and ECON-102 are highly recommended as flexible core electives*

²*STEM Variant in Required Core 1C satisfies laboratory science elective requirement.*

Rationale:

MA301 is proposed to be replaced by MA321. This change was discussed with members of the math department and 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.

The required core 1C is proposed to be expanded to include all courses designated in 1C as opposed to solely STEM variant courses. This provides students with a broader choice of courses to choose from. Total science credits will still total 4. This follows the example of other approved AAS curricula such as Management and Office Administration and Technology.

Footnote 1 - For the common core recommended electives: Industrial advisors have confirmed the need for ECON-101 and ECON-102 as suggested Social Science/History electives.

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
ARTS-121 Two Dimensional Design	3
ARTS-291 Electronic Imaging	2

Sub-total 21

To:

REQUIREMENTS FOR THE MAJOR

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

Sub-total 31

Rationale:

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 and Design 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:

ELECTIVES**

Select 17 credits from the following:

ET-375 Introduction to Robotics	4
ET-481 Personal Computer Technology, Architecture, and Troubleshooting	2
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

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

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:

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-510	Introduction to Digital Electronics	4
ET-570 ²	Creating Smartphone Apps Design and Implementation	3
ET-714	Web Technologies II: Building Database- Driven Web Sites	4
ET-728 ²	Web Tech: XML	4
ET-991	Cooperative Education	1
ET-992	Cooperative Education	1

Sub-total 7

² Highly recommended elective

Rationale:

ET-841 combined with ET-842 is dropped from the list of electives for the major because the combination is considered a 1C lab science.

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. ET-706 and ET-707 are removed because they are no longer offered.

Recommended program electives are specified by footnote 2. This specification is removed from ET-575, ET-705, ET-716, ET-720 and ET-725 because they are proposed as required courses for the major. Specification removed from ET-714 because it shares some of the important topics in ET-716. 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. Specification added to ET-570, Smartphone Apps because of the importance of mobile technologies. Specification added to ET-728, XML, addresses the essential topic of e-commerce.

DEPARTMENT OF ART AND DESIGN

Program Revision of the AAS in Digital Art and Design From - AAS Digital Art and Design To – AS Digital Art and Design			
From AAS	Credits	To AS	Credits
EN 101 English Composition I	3	Required Core I. A EN 101 English Composition I	3
EN 102 English Composition II	3	Required Core I. A EN 102 English Composition II	3
MA 321 Math in Contemporary Society	3	Required Core I. B (recommended: MA 321 Math in Contemporary Society)	3
CH 106 Chemistry in the Arts	4	Required Core I. C (recommended: CH 106 Chemistry in the Arts)	3-4
Social Science	3	Flexible Core II. A	3
Choose HI 100 Series	3	Flexible Core II. B	3
Humanities elective	3	Flexible Core II. C (recommended: ARTH 100, 101, 115, 116, 117 or 120)	3
		Flexible Core II. D	3
		Flexible Core II. E	3
		Flexible Core II. A, B, C, D or E (recommended: ARTH 225)	3
General Education Subtotal	22	General Education Subtotal	30-31
Major Requirements:		Major Requirements:	
ARTS 121 Two Dimensional Design	3	ARTS 121 Two Dimensional Design or	3
ARTS 122 Three Dimensional Design	3	ARTS 122 Three Dimensional Design	
ARTS 221 Color Theory or	3	ARTS 221 Color Theory or	3
ARTS 151 Drawing		ARTS 151 Drawing	
Art History choose one: ARTH 100, 101, 115, 116, 117 or 120	3	Moved to Flexible Core II. C	
ARTH 225 History of Graphic Design	3	Moved to Flexible Core II. C	
ARTS 141 Intro to Photography	3	ARTS 141 Intro to Photography	3
ARTS 291 Electronic Imaging	3	ARTS 291 Electronic Imaging	3
ARTS 290 Advertising and Design Layout	3	ARTS 290 Advertising and Design Layout	3
ARTS 292 Design for Desktop Publishing	3	ARTS 292 Design for Desktop Publishing	3
ARTS 293 Design for Motion Graphics	3	ARTS 293 Design for Motion Graphics	3
ARTS 192 Web Animation	3	ARTS 192 Web Animation	3
ET 710 Web Technology: Building and Maintaining Web Sites	4	ET 710 Web Technology: Building and Maintaining Web Sites	4
		Additional major requirements:	
		Laboratory Science (required if student does not take STEM variant in Required Core I. C)	0-1
Subtotal	37	Subtotal	28-29
Electives:		Electives:	
Subtotal		Subtotal	1
Free Electives (Strongly Recommended: Portfolio independent		Major Electives (Strongly Recommended: Portfolio independent study ARTS 390)	1

study ARTS 390)			
Total Credits Required	60	Total Credits Required	60

Rationale:

The Art and Design Department proposes to change the current AAS degree in Digital Art and Design to an AS in Digital Art and Design, bringing it in line with the other degrees offered by the Department. The majority of our DAD graduates currently transfer to 4-year schools, and as we seek NASAD accreditation, we want to ensure that our students have an educational and career path that matches the expectations of the graphic design industry.

When this degree was implemented as a two-year degree it would have prepared our students for access to jobs in industry; this is no longer true. The accelerated pace of innovation and new software makes more training both in technology and design in the form of a four-year degree the expectation in the marketplace. Over the last 5 years, an average of 55.3% of our DAD graduates have transferred. For an A.A.S. degree this is a high number and points to the desire of our graduates to pursue a 4-year degree. If our degree becomes a transfer degree and we could therefore create articulation agreements with local colleges, our students would clearly be better served in their educational goals.

The Department is currently in the process of seeking Accreditation from NASAD, the National Association of Schools of Art and Design. We have our site visit planned for Spring 2016. Under their requirements, AS and AAS programs fall under different categories. Our application would be clarified and our goal of preparing all of our students for further study in the Visual Arts would be served by having all of our degree programs meet the AS requirements.

Therefore, the Art & Design Department views a switch to an AS degree as the solution to give our students the degree that they want, while helping them to attain the educational and career success that they have come to QCC seeking.

2. NEW COURSE**DEPARTMENT OF ACADEMIC LITERACY****CN-071—College Preparatory Reading and Writing for ESL (previously experimental)**

Hours and credits: 4 hours, 0 credits

Prerequisites and/or co-requisites: None

Course description:

This course is intended for English language learners (ELL) who are at a high intermediate/advanced of proficiency in English but need more practice to develop their academic language proficiency and college-level reading and writing skills via ESL pedagogy. The readings in this course include excerpts from newspapers and magazines, poetry, plays, and fiction. Writing assignments will focus on paragraph development and essay organization. Students will also further refine specific skills necessary to succeed on the ELA regents, the CUNY CATW, or equivalent CUNY reading and writing placement test.

Rationale:

This course is offered for English Language learners (ELL). Many of the schools partnered with the QCC College Now program have large ESL populations. Students who are successful in this course could take either a reading or writing developmental course as a following course or a college credit course dependent on eligibility requirements for subsequent courses.

CN071 West Side Story for ESL was accepted as “experimental” at the December 11, 2011 meeting of the Academic Senate. The intent of this submission is to move the course from experimental to an official offering by the Department of Academic Literacy on behalf of College Now.

CN071 was formerly offered as CN06 by the College Now program. College Now data collected for 2009 and 2010 indicate that ELL students who took CN06 reenrolled into college credit courses at rates 31% and 24.2% respectively, which are similar to that of all QCC’s CN students (32%). Out of 552 students who took CN06 from FY 2007 to FY 2011, ELA Regents performance data was available for 508 students who took the exam upon completing the course. Of the 508 students with Regents exam data available, 293 (57.7%) achieved scores of 75 or higher on the ELA Regents exam. 248 of the 552 students who took CN06 entered CUNY. The intent of this submission is to move the course from experimental to an official offering by the Department of Academic Literacy on behalf of College Now.