

QUEENSBOROUGH COMMUNITY COLLEGE
CITY UNIVERSITY OF NEW YORK
CURRICULUM COMMITTEE

To: Emily Tai, Academic Senate Steering Committee
From: Philip A. Pecorino, Chairperson, Committee on Curriculum
Date: August 20, 2013
Subject: ANNUAL Report 2012-2013
CC: C. Williams, College Archives

COMMITTEE MEMBERS

M. Chauhan (Committee Secretary, Chemistry)
D. Klarberg (Biology and Geology)
D. McKay (Library)
K. Pearl (History)
P. Pecorino (Committee Chairperson, Social Sciences)
M. Santoro (Foreign Languages and Literature)
R. Yuster (ECET-ET)
A. Corradetti (Ex-Officio, President's Designee, Office of Academic Affairs)
Aranzazu Borrachero, ex officio, Steering Committee Designee, (Foreign Languages and Literature)

Acknowledgements:

The Committee wishes to thank the QCC Office of Academic Affairs for a number of ways in which it has supported the work of the committee this year related to the PATHWAYS resolutions and actions of the chancellery.

The Committee also thanks the President, Dr. Diane Bova Call, for the support extended to the committee in a variety of ways in consideration for the work related to the PATHWAYS resolutions and actions of the Chancellery. In particular, reassigned time and technical support were given to the Committee. The Committee has made extensive use of the technologies in its operations including: basic communications to the Committee and the faculty community, use of the Blackboard LMS for Committee documents and archives, use of netbooks for documents transfer and reading, use of software as service (SASE) cloud technology for document storage and retrieval by committee members. There was an enormous amount of files generated in relation to the work of the committee this academic year and without the technologies the handling of all the information would have been much more difficult and time consuming and expensive.

The Committee appreciates the burdens placed on academic departments and faculty by the PATHWAYS resolutions and actions of the Chancellery. It expresses its gratitude for their efforts to meet the imposed and unreasonable set of deadlines for the submission of materials related to PATHWAYS.

The Committee also thanks the Academic Steering Committee for their understanding and support throughout the year and their continuing support as the College deals with consequences of the PATHWAYS resolutions and actions of the Chancellery.

The Chairperson of the Committee thanks the Committee members for their work this academic year and in the annual leave period and their willingness to continue on for another academic year to assist the College in dealing with the consequences of the PATHWAYS resolutions and actions of the chancellery. In particular the contribution of Professor Devin McKay is to be noted for the work of managing a large number of documents and organizing them and systematizing them for presentation to the Committee and to the College Community. Dena Arthur Corradetti is also to be commended for his forthrightness and support and his work of faithfully and accurately presenting the work of the QCC faculty and this Committee to the administration and the College Community.

Meetings:

The Committee on Curriculum meets on Tuesday afternoons, from approximately 2:00 to 3:30 P.M. The committee met 21 times during the 2012-2013 academic year. It did not conclude all matters on its agenda before the May meeting of the Academic Senate but did so for all pressing matters.

Committee for 2013-2014

For the next academic year (2013-2014) the following shall be members of the Committee.

COMMITTEE MEMBERS

A. Borrachero (Committee Chairperson, Foreign Languages and Literature)

M. Chauhan (Committee Secretary, Chemistry)

S. Jacobowitz (English)

D. Klarberg (Biology and Geology)

A. Kolios (Business)

R. Yuster (ET)

L. Zinger (Health, Physical Education and Dance)

A. Corradetti (ex-officio, President's Designee, Office of Academic Affairs)

E. Tai (ex-officio, Steering Committee Designee, History)

Actions of the Committee

The committee took the following actions (sections 1 to 6), all adopted by the Academic Senate during the 2012-2013 academic year unless otherwise noted (section 7).

1. **CHANGE IN ACADEMIC DEPARTMENT**
2. **NEW COURSES**
3. **CHANGES in COURSES**
4. **REMOVAL OF COURSES**
5. **NEW PROGRAMS**
6. **CHANGES in PROGRAMS-CURRICULA**
7. **ITEMS Approved by the Committee not yet approved by the Academic Senate**
8. **PATHWAYS Update**

CHANGE in ACADEMIC DEPARTMENT

From: DEPARTMENT of BASIC EDUCATIONAL SKILLS

To: DEPARTMENT of ACADEMIC LITERACY

NEW COURSES

DEPARTMENT OF ACADEMIC LITERACY

CN073 Reading and Writing Community Stories 4 class hours, 0 credit

Pre-requisites: None

DEPARTMENT OF BIOLOGY and GEOLOGY (3)

BI-130 Foundations of Biology: 3 credits , 3 class hours

Prerequisites: Be-112 (or 205) & 122 (or 226) or satisfactory score on the CUNY/ACT assessment test

BI-425 Pathophysiology 3 class hours; 3 credits

Prerequisites: BI 302 or 421

GEO-132 Earth Resources: Gems, Metals, and Energy 3 Class hrs , 3 Lab.hrs, 4 Credits

Pre-Co/ Requisites: None

DEPARTMENT OF CHEMISTRY

CH-106 Chemistry and the Arts

3 class hours 2 laboratory hours 4 credits **Prerequisites:** none

DEPARTMENT OF ENGLISH

EN-230 Introduction to Literary Studies 3 class hours, 1 recitation hour, 3 credits

Prerequisites: EN-101, EN-102

DEPARTMENT of ENGINEERING TECHNOLOGY (10)

EE 205 Linear Systems Analysis 3 Credits 3 hours of lecture/week **Prerequisites:** EE-204

ET 570 Creating Smartphone Apps 3 Class Hours/3 Credits

Prerequisites: none

ET 575 Introduction to C++ Programming Design and Implementation 3 Lecture Hours, 3 credits

Prerequisites (and/or) co-requisites: none

ET 821 Computers in the Modern Society 3 Class Hours/3 Credits

Prerequisites (and/or) co-requisites: none

ET 830 Technology and Society 3 Class Hours/3 Credits

Prerequisites (and/or) co-requisites: none

ET 841 The Science of Energy and Power in the Modern World 3 Class Hours/3 Credits

Prerequisites (and/or) co-requisites: none

ET 843 The Role of Energy in Society 3 Class Hours/3 Credits

Prerequisites (and/or) co-requisites: none

ET 880 Science and Technology In Modern Life 3 Class Hours/3 Credits

Prerequisites (and/or) co-requisites: none

ET-725 Computer Network Security 3 Credits 3 hours of lecture / week

Prerequisite ET_704 or Department Permission

ET-842 Energy Production and Conservation for a Sustainable World 1 credit, 3 lab hours

Co-requisite ET-841

DEPARTMENT of FOREIGN LANGUAGES and LITERATURE

ARAB 101 Introduction to Arabic I

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: None

ARAB 102 Introduction to Arabic II

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: A grade of C or higher in ARAB 101 or placement by Foreign Language department

CHIN 101 Introduction to Chinese I

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: None

CHIN 102 Introduction to Chinese II

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: A grade of C or higher in CHIN 101, or placement by Foreign Language department

CHIN 113 Introduction to Mandarin for Students of Chinese Heritage I

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: None

CHIN 114 Introduction to Mandarin for Students of Chinese Heritage II

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: None

FREN 101 Introduction to French I

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: None

FREN 102 Introduction to French II

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: A grade of C or higher in FREN 101, or placement by Foreign Language department

GERM 101 Introduction to German I

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: None

GERM 102 Introduction to German II

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: GERM101 or the equivalent with a grade of C or higher, or placement by the Department of Foreign Languages

HEBR 101 Introduction to Hebrew I

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: None

HEBR 102 Introduction to Hebrew II

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: A grade of C or higher in HEBR 101, or placement by Foreign Language department

ITAL 101 Introduction to Italian I

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: None

ITAL 102 Introduction to Italian II

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: A grade of C or higher in ITAL101 or placement by Foreign Language department

SPAN 101 Introduction to Spanish I

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: None

SPAN 102 Introduction to Spanish II

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: A grade of C or higher in SPAN 101, or placement by Foreign Language department

SPAN 141 Introduction to Spanish for Medical Personnel

Hours and Credits: 3 credits, 3 class hours + 1 recitation hour

Pre-co requisites: None

DEPARTMENT of HEALTH , PHYSICAL EDUCATION and DANCE (6)

HE-114 Foundations of Health Promotion and Disease Prevention 3 class hours, 3 credits

Prerequisites (and/or) co-requisites: none

PE 815 Foundations of Physical Education 3 class hours, 3 credits

Prerequisites (and/or) co-requisites: none

PE 825 Introduction to Exercise Science 3 class hours, 3 credits

Prerequisites (and/or) co-requisites: none

PE 826 Concepts of Personal Training I 3 Credits 3 Hours

Prerequisites: HE 102, PE 540, or Instructor Permission

PE 827 Concepts of Personal Training II 3 Credits 3 Hours

Prerequisites: PE 826 Personal Training I or Instructor Permission

IS 221 , Natures pharmacy II 3 class hrs. 3 credits

Prerequisite: IS 220

DEPARTMENT of the LIBRARY

INTE 212 A Search for Popular Culture Icons from 1950s-Present Through Library Resources and Information Literacy

Hours and Credits: 3 credits 3 class hours

Pre-co requisites: EN 101

DEPARTMENT OF MUSIC

MU-190 191 SPECIAL TOPICS in MUSIC 3 class hours, 3 credits

Prerequisites: BE-122 (or BE-226), or satisfactory score on the CUNY/ACT Assessment Test.

DEPARTMENT OF PHYSICS (14)

PH-111 Space, Astronomy, and our Universe 2 hours lecture, 1 hour recitation, 2 hours lab, 3 credits

Prerequisites (and/or) co-requisites: none

PH 112 Space, Astronomy, and our Universe Laboratory 2 laboratory hours, 1 credit

Corequisite: PH--111

PH 311 College Physics 1C 3 class hours, 1 recitation hour, 2 laboratory hours, 4 credits

Prerequisites: MA--441 or equivalent or permission of the department

PH 312 College Physics 2C 3 class hours, 1 recitation hour, 2 laboratory hours, 4 credits

Pre-Co/ Requisites: PH--311

PH 111 Space, Astronomy, and our Universe

Hours and Credits: 3 contact hours: 2.25 hours lecture, 0.75 hours lab

Pre-co requisites: None

PH-123 Natural Hazards

Hours and Credits: 3 class hours, 3 credits

Pre-co requisites: None

PH-124 Global Warming

Hours and Credits: 3 class hours, 3 credits

Pre-co requisites: None

PH-125 Energy and Environment

Hours and Credits: 3 class hours, 3 credits

Pre-co requisites: None

PH-126 Cause and Effect Analysis

Hours and Credits: 3 class hours, 3 credits

Pre-co requisites: None

PH-127 Scientific Measurement in Medicine and Health

Hours and Credits: 3 class hours, 3 credits

Pre-co requisites: None

PH-128 Science of Dance, Music and Aesthetics

Hours and Credits: 3 class hours, 3 credits

Pre-co requisites: None

PH-129 How Things Work

Hours and Credits: 3 class hours, 3 credits

Pre-co requisites: None

PH-130 Natural Science in Finance

Hours and Credits: 3 class hours, 3 credits

Pre-co requisites: None

PH-131 Scientific Explorations of Science Fiction Literature

Hours and Credits: 3 class hours, 3 credits

Pre-co requisites: None

DEPARTMENT OF SOCIAL SCIENCES (2)

ANTH 160 Anthropology of Health and Healing 3 Class Hours; 3 Credits

Prerequisites: (and/or) co-requisites: BE122 OR BE226

ANTH 170 Sex and Gender in Cross-Cultural Context 3 Class Hours; 3 Credits

Prerequisites: (and/or) co-requisites: BE122 OR BE226

DEPARTMENT OF SPEECH and THEATRE ARTS (1)

SP 230 Video Production I 2 class hours, 2 lab hours, 3 credits

Prerequisites or Corequisites: BE112 OR BE205 & BE122 OR BE226

CHANGES in COURSES

DEPARTMENT OF ART and DESIGN (3)

From: AR--801 Art Administration

2 class hours, 1 recitation hour 2 credits

To: AR--801 Art Administration

2 class hours, 1 recitation hour 2 credits

Co-Prerequisite: 3 credits of Foreign Language

From: AR--803 Art Curating

3 class hours 3 credits

Prerequisite: AR-312; AR-801

To: AR--803 Art Curating

3 class hours 3 credits

Prerequisite: AR-312; AR-801

And Co-Prerequisite 6 credits from AR-315, AR316. AR317, AR320, AR-326 or AR-328

From: AR--804 Art Institutions and the Business of Arts 3 class hours 3 credits

Prerequisite: AR-801 and either AR-311 or AR-312

To: AR--804 Art Institutions and the Business of Arts 3 class hours 3 credits

Prerequisite: AR-801 and either AR-311 or AR-312;

and Co-Prerequisite SOC-125

DEPARTMENT of BUSINESS (2)

From: BU--301 Business Law I, 3 class hours – 3 credits

A brief survey of the American legal system; development and application of essential principles of law of

business contracts, torts, and intellectual property; study of New York State laws and recent cases; Uniform

Commercial Code as it applies to business contracts

To: BU--301 Fundamentals of Business Law, 3 class hours – 3 credits

A brief survey of the American legal system; development and application of essential principles of law of business contracts, torts, and intellectual property; study of New York State laws and recent cases; relationship between differences in legal, ethical, and social responsibility of business.

From: BU 512 – Introduction to Information Systems and Technologies, 3 class hours, 1 laboratory hour , 3 Credits

An introduction to how today's businesses use ever-changing technology to operate, compete, and do business. Students will learn the differences between major types of hardware, software, and network solutions that meet business needs. Students will learn why familiarity with today's information systems has become indispensable for tomorrow's business leaders due to the rapid developments in information technology.

To: BU 512 – Introduction to Information Systems and Technologies, 3 class hours, 1 laboratory hour , 3 Credits

An introduction to how today's businesses use ever-changing technology to operate, compete, and do business. Students will learn the differences between major types of hardware, software, and network solutions that meet business needs. Students will demonstrate competency in information technology and apply such technology. Students will learn why familiarity with today's information systems has become indispensable for tomorrow's business leaders due to the rapid developments in information technology.

DEPARTMENT of ENGINEERING TECHNOLOGY (19)

From: ET-375 Introduction to Robotics

Prerequisite: [ET-510 or ET 540 or ET-110] or permission of the [ECET] Department

To: ET-375 Introduction to Robotics

Prerequisite: ET--110 and either ET --510 or ET --540, or permission of the ET Department

From: MT-122 Manufacturing Processes

2 class hours 3 laboratory hours 3 credits

[Co-requisite: MA-010, or satisfactory score on the Mathematics Placement Test, or permission of the Department.]

Production techniques in manufacturing, including introduction to materials, gaging, machining, welding, casting and molding, forming and finishing processes. Laboratory practice in the use of hand tools, machine tools, and precision measuring instruments.

To: MT-122 Manufacturing Processes

2 class hours 3 laboratory hours 3 credits

Production techniques in manufacturing, including introduction to materials, gaging, machining, welding, casting and molding, forming and finishing processes. Laboratory practice in the use of hand tools, machine tools, and precision measuring instruments.

From: MT-125 Metallurgy and Materials Laboratory

3 laboratory hours 1 credit

Co-requisite: MT-124

The laboratory complement to MT-124. Students perform "hands-on" experiments that emphasize the major topics discussed in MT-124. [Experiments include hardness of materials, concrete slump test, metallographical methods in the study of the recrystallization of alpha brass, solidification of lead-tin alloys, the metallography of plain carbon steels, the Jominy bar test and non-destructive inspection techniques]. Students will be required to produce formal laboratory reports [for selected experiments] and deliver oral presentations.

To: MT-125 Metallurgy and Materials Laboratory

3 laboratory hours 1 credit

Co-requisite: MT-124

The laboratory complement to MT-124. Students perform “hands-on” experiments that emphasize the major topics discussed in MT-124. Students will be required to produce formal laboratory reports and deliver oral presentations.

From: MT-219 Surveying and Layouts

2 class hours 3 laboratory hours 3 credits

[Co-requisite: MA-010, or satisfactory score on the Mathematics Placement Test, or permission of the Department]

Principles and practice of elementary surveying. Use, adjustment, and care of surveying instruments. Field work in practical application of surveying techniques; measurement of distances, angles, and elevations. Computation and mapping of closed traverses. Use of topographical maps. Scientific calculator required.

To: MT-219 Surveying and Layouts

2 class hours 3 laboratory hours 3 credits

Principles and practice of elementary surveying. Use, adjustment, and care of surveying instruments. Field work in practical application of surveying techniques; measurement of distances, angles, and elevations. Computation and mapping of closed traverses. Use of topographical maps. Scientific calculator required.

From: MT-293 Parametric Computer[-]Aided Design [Drafting]

1 lecture hour, 2 recitation hours 3 laboratory hours 3 credits

[Co-requisite: MT-111]

[Introduction to the use of computer hardware and software for Mechanical Design Drafting.

Applications of Parametric Computer Aided Design Drafting for increasing productivity. Concepts, commands and parameters involved in CAD systems. Students generate working drawings by interacting with the computer using graphics display terminals, parametric software, mouse and plotter.]

Use of mechanical design software to build parametric models of parts and assemblies. Students create

parts using techniques such as extrude, revolve and sweep. Emphasis is on the concepts of design intent

and scalability. Assemblies are created using appropriate geometric constraints. Theory of engineering

graphics is covered so that appropriate working drawings can be created from the parametric models.

Introduction to the theory and practice of basic engineering drawing and blueprint reading. Multi-view projection including sectional and auxiliary views. Principles of dimensioning.

To: MT-293 Parametric Computer Aided Design

1 lecture hour, 2 recitation hours 3 laboratory hours 3 credits

Use of mechanical design software to build parametric models of parts and assemblies. Students create

parts using techniques such as extrude, revolve and sweep. Emphasis is on the concepts of design intent

and scalability. Assemblies are created using appropriate geometric constraints. Theory of engineering

graphics is covered so that appropriate working drawings can be created from the parametric models.

Introduction to the theory and practice of basic engineering drawing and blueprint reading. Multi-view

projection including sectional and auxiliary views. Principles of dimensioning.

From: MT-341 Applied Mechanics

[2 class hours 2 recitation hours] 3 class hours 3 credits

Pre-requisite: MA-114 with a grade of C or better

[Fundamentals of analytical mechanics. Study of physical concepts and principles of statics of particles

and rigid bodies. Introduction to dynamics. Application of basic force systems and free-body diagrams to mechanical devices and structures.]Vector treatment of the static equilibrium of particles and rigid bodies. Equivalent force and couple systems. Distributed force systems. Application of basic analytical

techniques to mechanical devices and structures. Centroids, center of gravity, moments of inertia.

Friction and impending motion.

To: MT-341 Applied Mechanics

3 class hours 3 credits

Pre-requisite: MA-114 with a grade of C or better

Vector treatment of the static equilibrium of particles and rigid bodies. Equivalent force and couple systems. Distributed force systems. Application of basic analytical techniques to mechanical devices and

structures. Centroids, center of gravity, moments of inertia. Friction and impending motion.

From: MT-453 Piping Systems

[2 class hours 4 laboratory hours] 3 class hours 3 credits

Prerequisite: MT-488

Design and layout of piping systems and related equipment for heat power, heating, air conditioning, and petrochemical industries. National piping and pressure vessel codes utilized in conjunction with manufacturers' catalog data and piping handbook. Use of [three-dimensional computer-aided design drafting system for] piping software is introduced.[and associated equipment layout.]

To: MT-453 Piping Systems

3 class hours 3 credits

Prerequisite: MT-488

Design and layout of piping systems and related equipment for heat power, heating, air conditioning, and petrochemical industries. National piping and pressure vessel codes utilized in conjunction with manufacturers' catalog data and piping handbook. Use of piping software is introduced.

From: MT-484 Construction Methods [with CAD Applications]

1 lecture hour 2 recitation hours 3 laboratory hours 3 credits

Prerequisite: [MT-111 and] MT-488.

Construction elements and materials used in the building industry. Types of framing and assembly systems for commercial buildings. [Manual and CADD work on] preparation of working drawings to code, with [a] an emphasis on comprehension of the total building process. This course assists in the production of a design studio portfolio.

To: MT-484 Construction Methods

1 lecture hour 2 recitation hours 3 laboratory hours 3 credits

Prerequisite: MT-488.

Construction elements and materials used in the building industry. Types of framing and assembly systems for commercial buildings. Preparation of working drawings to code, with an emphasis on comprehension of the total building process. This course assists in the production of a design studio portfolio.

From: MT-486 [AutoCAD Architect for] Architectural Design II

[3] 2 class hours 3 laboratory hours [4] 3 credits

Pre-requisite: [MT-488, Co-requisite: MT-484 or Permission of the Department] MT-481

[In depth use of AutoDesk Architectural Desktop software for the creation of architectural designs, professional prints and presentation drawings. Topics include: using the double wall and wall break tools in floor plans, inserting doors, windows and other elements from the software library, extruding designs into 3D, implementing the 3D roof generator, stair generator and producing wall sections, building sections and perspective views.]A continuation of the design concepts begun in MT-481. Students create advanced architectural designs, professional prints and presentation drawings. Use of advanced software is introduced. Design problems are structured so as to necessitate the resolution of multiple issues simultaneously and interdependently. This course assists in the production of a design studio portfolio.

To: MT-486 Architectural Design II

2 class hours 3 laboratory hours 3 credits

Pre-requisite: MT-481

A continuation of the design concepts begun in MT-481. Students create advanced architectural designs, professional prints and presentation drawings. Use of advanced software is introduced. Design problems are structured so as to necessitate the resolution of multiple issues simultaneously and interdependently. This course assists in the production of a design studio portfolio.

From: MT-488 Computer[-]Aided Design [Drafting (CADD)] I

1 class hour 2 recitation hours 3 laboratory hours 3 credits

[Corequisite: MT-111 or permission of the Dept.]

[Introduction to the use of computer hardware and software for design drafting. Applications of computer-aided design drafting for increasing productivity. Concepts, commands, and parameters involved in CADD systems. Students generate working drawings by interacting with the computer using graphics display terminals, light pen, tablet digitizer, function keyboard, and plotter.]A general overview of how CAD operates in a modern design environment. Introduction to major commercial CAD software. Production of two dimensional images of design concepts. [Problems chosen to develop recognition and skill in such areas as orthographics, auxiliaries, sections, intersections and developments. .] Introduction to the theory and practice of basic engineering drawing and blueprint reading. Multi-view projection including sectional and auxiliary views. Principles of dimensioning.

To: MT-488 Computer Aided Design I

1 class hour 2 recitation hours 3 laboratory hours 3 credits

A general overview of how CAD operates in a modern design environment. Introduction to major commercial CAD software. Production of two dimensional images of design concepts. Introduction to the theory and practice of basic engineering drawing and blueprint reading. Multi-view projection including sectional and auxiliary views. Principles of dimensioning.

From: MT-489 [Advanced] Computer[-]Aided Design [Drafting (ADCADD)] II

1 class hour 2 recitation hours 3 laboratory hours 3 credits

Prerequisite: MT-488.

Further development of CAD[D] principles and concepts. [applications with respect to three-dimensional views; orthographic and isometric views, rotation and translation of parts in space. Generation of surface forms and intersection of surfaces. Construction of three-dimensional assembly drawings.] Design problems chosen from mechanical and architectural applications.

To: MT-489 Computer Aided Design II

1 class hour 2 recitation hours 3 laboratory hours 3 credits

Prerequisite: MT-488.

Further development of CAD principles and concepts. Design problems chosen from mechanical and architectural applications.

From: MT-490 Advanced Architectural [3D] Modeling [with AutoDesk VIZ]

3 class hours [3 laboratory hours] [4] 3 credits

[Co-requisite: MT-486 and MT-500 or Permission of the Department]

Pre-requisite: MT-488

Practical application of [AutoDesk VIZ] advanced architectural software to the generation of 3D models, rendering and the creation of animated visuals for architectural designs. Topics include: creating

designs in 3D space [using tools such as the 2D shaper and 3D lofter], editing 3D designs, viewing objects in 3D space, setting lights, cameras, applying color and materials to surfaces, background color

and objects; rendering creation of scenes tracking animation and walk-throughs.

This course assists in the production of a design studio portfolio.

To: MT-490 Advanced Architectural Modeling

3 class hours 3 credits

Pre-requisite: MT-488

Practical application of advanced architectural software to the generation of 3D models, rendering and

the creation of animated visuals for architectural designs. Topics include: creating designs in 3D space,

editing 3D designs, viewing objects in 3D space, setting lights, cameras, applying color and materials to

surfaces, background color and objects; rendering creation of scenes tracking animation and walkthroughs.

This course assists in the production of a design studio portfolio.

From: MT 492 Introduction to Virtual Automation

1 class hour 3 Laboratory hours 2 credits

[Prerequisites: MT-161] Pre- or Co- requisite: Either MT-293 or MT-369 Offered in Spring

A study of the principles and practices involved in conceiving, designing, producing and measuring products quickly and effectively, using the latest RP (Rapid Prototyping) methods and CMM (Coordinate Measuring Machines) technology. Students will learn Stereolithography Technology on a Z

Corporation's 3D printer. Students will be instructed in the latest techniques in quality control and operate a Zeiss CNC controlled CMM.

To: MT 492 Introduction to Virtual Automation

1 class hour 3 Laboratory hours 2 credits

Pre- or Co- requisite: Either MT-293 or MT-369 Offered in Spring

A study of the principles and practices involved in conceiving, designing, producing and measuring

products quickly and effectively, using the latest RP (Rapid Prototyping) methods and CMM (Coordinate Measuring Machines) technology. Students will learn Stereolithography Technology on a Z Corporation's 3D printer. Students will be instructed in the latest techniques in quality control and operate a Zeiss CNC controlled CMM.

From: MT-500 Principles of CAD Management

[1] 3 class hours [2 recitation hours 3 laboratory hours] 3 credits

[Co-requisite: MT-486 and MT-490 or Permission of the Department]

Pre-requisite: MT-488 or MT-293

A study of the computer management skills needed by the [architectural] CAD professional. [working in today's shared network environment.] Topics include: templates, managing access to software and files, mapping network drives, organizing jobs and folders, [managing via the AutoDesk design center,] profiles, custom icon and command creation. [, installation and maintenance of AutoDesk software packages, installing plotters.]

To: MT-500 Principles of CAD Management

3 class hours 3 credits

Pre-requisite: MT-488 or MT-293

A study of the computer management skills needed by the CAD professional. Topics include: templates, managing access to software and files, mapping network drives, organizing jobs and folders, profiles, custom icon and command creation.

From: MT-513 Thermo-Fluid Systems

2 class hours 2 recitation hours 3 credits Offered in [Fall] Spring.

Prerequisites: [MT-341, MA-128 or MA-441]MT-345 with a grade of C or better

Corequisites: [MT-368,] MT-514

An integrated approach to thermodynamics and fluid mechanics principles, emphasizing the ways in which different types of energy are converted from one form to another. [The associated fluid machinery and equipment required to convey and utilize energy.] Topics include thermo fluid properties, work and heat transfer in a thermal system, properties of fluids, fluid statics, flow of real incompressible fluids, laws of thermodynamics, steady flow process, pipe flow.[, impulse momentum principle, introduction to thermoelectric, thermionic converters and electrochemical fuel cells.]

To: MT-513 Thermo-Fluid Systems

2 class hours 2 recitation hours 3 credits Offered in Spring.

Prerequisites: MT-345 with a grade of C or better

Corequisites: MT-514

An integrated approach to thermodynamics and fluid mechanics principles, emphasizing the ways in which different types of energy are converted from one form to another. Topics include thermo fluid properties, work and heat transfer in a thermal system, properties of fluids, fluid statics, flow of real incompressible fluids, laws of thermodynamics, steady flow process, pipe flow.

From: MT-514 Thermo-Fluid Systems Laboratory

3 laboratory hours 1 credit Offered in [Fall] Spring.

Corequisite: MT-513

Laboratory practice in the use and calibration of instruments. Engineering tests of energy systems, fluid

machinery, heat transfer, heat balances, digital data acquisition.

To: MT-514 Thermo-Fluid Systems Laboratory

3 laboratory hours 1 credit Offered in Spring.

Corequisite: MT-513

Laboratory practice in the use and calibration of instruments. Engineering tests of energy systems, fluid

machinery, heat transfer, heat balances, digital data acquisition.

From: MT-900 Cooperative Education/Design Projects in [Mechanical] Engineering Technology [and DesignDrafting]

1 class hour plus appropriate work experience

3 credits Offered as needed.

Open only to matriculated students who have completed at least 12 pertinent credits in [the Mechanical]

and Engineering Technology [or the Computerized Architectural and Industrial Design] related curricula.

Students enrolled in the cooperative education experience are required to complete a project.

Projects

are formulated by the student and instructor and may include:

- employment experience or internship
- research on a topic or development of a design

Students participate in a weekly seminar and complete an additional minimum of 90 hours per semester.

Students participating in internships submit complete written reports, related to the work experience.

Students who complete research or design projects submit a written report containing a complete set of

design prints and project descriptions. Students receive a grade or pass or fail.

To: MT-900 Cooperative Education/Design Projects in Engineering Technology

1 class hour plus appropriate work experience

3 credits Offered as needed.

Open only to matriculated students who have completed at least 12 pertinent credits in an Engineering

Technology related curricula

Students enrolled in the cooperative education experience are required to complete a project.

Projects

are formulated by the student and instructor and may include:

- employment experience or internship
- research on a topic or development of a design

Students participate in a weekly seminar and complete an additional minimum of 90 hours per semester.

Students participating in internships submit complete written reports, related to the work experience.

Students who complete research or design projects submit a written report containing a complete set of

design prints and project descriptions. Students receive a grade or pass or fail.

From: ET-991, 992, 993 Cooperative Education in [Electrical and Computer] Engineering Technology

1 class hour plus appropriate work experience for each credit; 1 credit each course
Open only to matriculated students who have achieved a minimum grade-point average of 2.0 in their major field of study; have completed at least 12 pertinent credits in an [the Electronic or Computer] Engineering Technology related curricula; and are recommended and approved by the chairperson of the Department and the coordinator of Cooperative Education.

The cooperative education experience in [Electronic or Computer] Engineering Technology includes employment in a field experience which supplements classroom theory and laboratory instruction with related on-the-job professional training. Students are placed in a work situation for 45 hours, participate in a monthly seminar, and submit a term project related to the work experience. A written evaluation is provided by the employer. Students receive a grade of Pass or Fail.

To: ET-991, 992, 993 Cooperative Education in Engineering Technology

1 class hour plus appropriate work experience for each credit; 1 credit each course
Open only to matriculated students who have achieved a minimum grade-point average of 2.0 in their major field of study; have completed at least 12 pertinent credits in an Engineering Technology related

curricula; and are recommended and approved by the chairperson of the Department and the coordinator of Cooperative Education.

The cooperative education experience in Engineering Technology includes employment in a field experience which supplements classroom theory and laboratory instruction with related on-the-job professional training. Students are placed in a work situation for 45 hours, participate in a monthly seminar, and submit a term project related to the work experience. A written evaluation is provided by the employer. Students receive a grade of Pass or Fail.

DEPARTMENT of FOREIGN LANGUAGES and LITERATURE (9)

From: LF-213 Intermediate French I 3 class hours 3 credits
General review of grammar, readings and discussion in French

To: FREN 213 Intermediate French I 3 class hours, 3 credits
This third-semester course will continue to develop students' communicative competence through the study of grammar, acquisition of new vocabulary, and practice of the four language skills – listening, speaking, reading and writing. Level-appropriate cultural information will be presented to promote the students' understanding of the French-speaking world.

From: LF-214 Intermediate French I 3 class hours 3 credits
General review of grammar, readings and discussion in French]

To: FREN 214 Intermediate French I
3 class hours, 3 credits
The focus of this fourth-semester course is to continue improving students' oral communication skills, along with reading, writing and grammar. Students will expand their vocabulary and study more complex grammatical structures. Aspects of French-speaking cultures will be integrated through readings, films, discussions and Internet-related activities.

FREN 401 French and Francophone Culture and Society 3 credits 3 hours Prerequisites: BE122 (or 226) and BE-112 (or 205), or satisfactory score on the CUNY/ACT Assessment Test. Not credited toward the foreign language requirement in Liberal Arts or Criminal Justice.

Description: Culture in relation to social issues of contemporary France and selected French-speaking societies will be examined through readings, films, museum visits and/or attendance at cultural events in New York City. Topics will be chosen from: art & architecture, music, literature, cinema, photography, cuisine, fashion, sports. Students are guided to do research on their chosen topic. This is a writing intensive course in English.

From: [LG-213 Intermediate German I 3 class hours 3 credits

Intensive review of German grammar through Practice of the phonological and grammatical structure of German orally and in writing. Selected readings in contemporary German prose.]

To: GERM 213 Intermediate German I 3 class hours, 3 credits

This third-semester course will continue to develop students' communicative competence through the study of grammar, acquisition of new vocabulary, and practice of the four language skills – listening, speaking, reading and writing. Level-appropriate cultural information will be presented to promote students' understanding of German speaking countries.

From: LG 401 Cultures of German Speaking Countries Today

[Students will be exposed to and discuss cultural developments in German-Speaking including their role the European Union. They will read English translations of contemporary writings and apply an interdisciplinary approach to texts, films, and music, focusing on various facets of life and culture.]

Students will also attend cultural events in New York City.

To: LG 401 Cultures of German Speaking Countries Today

In this course, students will examine literary and other texts and media from cultures in the German-speaking countries, including film, art, music, and performance. Through discussion of selected cultural artifacts and issues related to art, history, politics and traditions, students will analyze the distinguishing features of these cultures. As an integral part of the course, students will be expected to conduct research on selected topics. Students will also attend cultural events in New York City. The course will be taught in English as WI.

LG 401 Cultures of German Speaking Countries Today

From: LG-401 [Students will be exposed to and discuss cultural developments in German-Speaking including their role the European Union. They will read English translations of contemporary writings and apply an interdisciplinary approach to texts, films, and music, focusing on various facets of life and culture.] Students will also attend cultural events in New York City.

To: GERM 401 In this course, students will examine literary and other texts and media from cultures in the German-speaking countries, including film, art, music, and performance. Through discussion of selected cultural artifacts and issues related to art, history, politics and traditions, students will analyze the distinguishing features of these cultures. As an integral part of the course, students will be expected to conduct research on selected topics. Students will also attend cultural events in New York City. The course will be taught in English as WI.

From: LH-213 Intermediate Hebrew I 3 class hours 3 credits

General review of grammar covered in Hebrew I (LH-111) and Hebrew II (LH-112); readings, short stories, reports, and discussions in the language.

To: HEBR 213 Intermediate Hebrew I 3 class hours, 3 credits

This third-semester course will continue to develop students' communicative competence through the study of grammar, acquisition of new vocabulary, and practice of the four language skills – listening, speaking, reading and writing. Level-appropriate cultural information will be presented to promote students' understanding of Jewish culture

From: LI-213 Intermediate Italian I 3 class hours 3 credits

General review of grammar, readings and discussion in Italian]

To: ITAL 213 Intermediate Italian I_3 class hours, 3 credits

This third-semester course will continue to develop students' communicative competence through the study of grammar, acquisition of new vocabulary, and practice of the four language skills – listening, speaking, reading and writing. Level-appropriate cultural information will be presented to promote students' understanding of Italian civilization.

From: LS-213 Intermediate Spanish I 3 class hours 3 credits

Review of Spanish grammar with intensive aural-oral practice, through the use of videotapes and selected readings.

To: SPAN 213 Intermediate Spanish I 3 class hours, 3 credits

This third-semester course will continue to develop students' communicative competence through the study of grammar, acquisition of new vocabulary, and practice of the four language skills – listening, speaking, reading and writing. Level-appropriate cultural information will be presented to promote students' understanding of the Spanish-speaking world.

From: LS-214 Intermediate Spanish II 3 class hours 3 credits

Emphasis on written composition. Selections from Spanish and Spanish-American literature read and analyzed.

To: SPAN 214 Intermediate Spanish II_3 class hours, 3 credits

The focus of this fourth-semester course is to continue improving students' oral communication skills, along with reading, writing and grammar. Students will expand their vocabulary and study more complex grammatical structures. Aspects of Spanish-speaking cultures will be integrated through readings, films, discussions and Internet-related activities.

FROM :LS 402 Latin American and Caribbean Cultures A journey into contemporary Latin American and Caribbean Cultures through the reading and discussion of politics, customs, art, music and cinema. The course will be taught in English

To: SPAN 402 Latin American and Caribbean Cultures In this course, students will examine literary and other texts and media from Latin American and Caribbean cultures, including film, art, music, and performance. Through discussion of selected cultural artifacts and issues related to art, history, politics and traditions, students will analyze the distinguishing features of these cultures. As an integral part of the course, students will be expected to conduct research on selected topics. Students will also attend cultural events in New York City. The course will be taught in English as WI.

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION and DANCE

From: HE-200 Emergency Medical Technician 6 class hours [4] laboratory hours [8] credits

To: 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 equivalent; and a valid SFA (Standard First Aid) 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

From: PE 543 Swimnastics 1 credit, 2 hours

Water resistant exercises to increase cardiovascular endurance, muscular strength, and flexibility. A low impact aerobic workout for complete body conditioning and fitness.

To: PE-543 Swim for Fitness 1 credit, 2 hours

Prerequisites and/or co-requisites: Must be able to swim 25yards/freestyle without stopping. Improvement of overall physical conditioning through swimming. Introduction to the fundamental principles of physical conditioning and their application to swimming. Under the instructor's direction and utilizing both traditional and novel aquatic activities, development of programs of conditioning will be designed to meet the student's personal needs. Restricted to intermediate and advanced swimmers.

DEPARTMENT of MATHEMATICS and COMPUTER SCIENCE (5)

MA-321 Mathematics in Contemporary Society

From: 3 class hours 1 laboratory hour 3 credits

To: 3 class hours 3 credits

CS 100 Introduction to Computers and Programming

From: 2 Class Hours, 2 Lab Hours, 3 Credits

To: 3 Class Hours, 3 Credits

From: MA 301 [Foundations of Mathematics] 3 Class Hours 3 Credits

Prerequisites: MA-010 OR MA-013 OR SATISFACTORY SCORE ON [CMAT OR COMPASS EXAMS]

[Designed to provide students with the mathematical literacy that is necessary to understand contemporary issues in today's technological society. Students will obtain hands-on-experience in solving realistic problems in discrete mathematics, exponential modeling, statistics and probability. Graphing calculators will be used throughout the course.]

To: MA 301 Mathematics for the Liberal Arts 3 Class Hours 3 Credits

Prerequisites: MA-010 OR MA-013 OR SATISFACTORY SCORE ON THE MATHEMATICS PLACEMENT TEST

Designed to provide students with an understanding of how mathematics relates to the humanities, social and natural sciences. Students will obtain experience in solving realistic questions and applications using discrete mathematics, modeling, statistics and probability.

FROM: MA 303 NUMBER SYSTEMS Hours: 3 Class Hours 1 Recitation Hour 3 Credits

Pre-requisite: MA-120 or permission of the Department.

This course is designed to instruct students in areas of mathematics that are related to the elementary school curriculum, to clear up common misunderstandings of mathematical concepts, and to use current computer technologies with the concepts developed in the course as tools for solving problems. Topics covered will be chosen from numeration systems, number theory, mathematical systems, statistics and geometry. Recommended for future teachers.

TO: MA 303 NUMBER SYSTEMS Hours: 3 Class Hours 1 Recitation Hour 3 Credits

Pre-requisite: MA-119 (with a grade of C or better) or permission of the Department.

This course is designed to instruct students in areas of mathematics that are related to the elementary school curriculum, to enhance understanding of fundamental concepts, and to use current computer technologies with the concepts developed in the course as tools for solving problems. Topics covered will be chosen from numeration systems, number theory, mathematical systems, statistics and geometry. Recommended for future teachers.

From: MA 315 Topics in Mathematics

Prerequisites: [MA-301 or MA 303]

[Topics, emphasizing the nature of proof and problem-solving, include Euclidean and non-Euclidean geometries, abstract algebraic systems, number theory, graph theory, and mathematical logic.]

To: MA 315 Topics in Mathematics

Prerequisites MA-301 or MA-303 or permission of the department

Topics emphasizing a fundamental understanding of mathematical concepts and problem solving may include ratio, proportion, number theory, concepts in mathematics from a historical point of view, logic, advanced topics in mathematics.

DEPARTMENT OF MUSIC (21)

MU209 Musicianship

From: MU-209 Musicianship II 2 studio hours 1 class hour 1 lab hour 1 recitation hour 3 credits

Prerequisite/[Co-requisite]: MU-208 with a grade of C or better, or a satisfactory score on the Music Placement Test. [Co-requisite: MU-210 (Elementary Sight-Reading and Ear Training)]

[Note: MU-209 replaces MU-206 and MU-207]

A continuation of MU-208, focusing on developing further skills and fluency with fundamental elements of musical language, with regard to both performance and analysis. Applied topics include minor scales, diatonic harmony, seventh chords, more complex rhythmic structures, and musical composition.

To: MU--209 Musicianship II 2 studio hours 1 class hour 1 lab hour 1 recitation hour 3 credits

Prerequisite: MU-208 with a grade of C or better, or a satisfactory score on the Music Placement Test.

A continuation of MU-208, focusing on developing further skills and fluency with fundamental elements of musical language, with regard to both performance and analysis. Applied topics include minor scales, diatonic harmony, seventh chords, more complex rhythmic structures, and musical composition.

From: MU231 Jazz Theory I 2 class hours 2 studio hours 3 credits

[Offered in Fall.]Prerequisite: MU-209 [and 210] with a grade of C or better, or satisfactory score on the Music Placement Test.

[Corequisite: MU-211.]

To: MU231 Jazz Theory I 2 class hours 2 studio hours 3 credits **Offered as needed.**

Prerequisite: MU-209 with a grade of C or better, or satisfactory score on the Music Placement Test.

MU231 is recommended to be taken concurrently with MU211.

From: MU211 Sight Reading and Ear Training I 2 studio hours 1 credit

Prerequisite: [MU-210] with a grade of C or better, or satisfactory score on the Music Placement Test.

Designed to develop the ability of the student to read and sing notation at sight and to understand the relationship between notation and sound. [Should be taken simultaneously with either MU-241 (Music Theory and Keyboard Harmony I) [or MU-231 (Jazz Theory I).]

To: MU211 Sight Reading and Ear Training I 2 studio hours 1 credit

Prerequisite: MU209 with a grade of C or better or satisfactory score on the Music Placement Test. MU211 is recommended to be taken concurrently with MU231 or MU241. Designed to develop the ability of the student to read and sing notation at sight and to understand the relationship between notation and sound.

From: MU212 Sight Reading and Ear Training II

2 studio hours 1 credit

Prerequisite: MU-211 with a grade of [C–] or better.

Continuation of MU-211. [Should be taken simultaneously with MU-242 (Music Theory and Keyboard Harmony II) or MU-232 (Jazz Theory II)].

To: MU212 Sight Reading and Ear Training II

2 studio hours 1 credit

Prerequisite: MU-211 with a grade of C or better.

MU212 is recommended to be taken concurrently with MU242. Continuation of MU-211.

From: MU241 Music Theory and Keyboard Harmony I 3 class hours 1 studio hour 3 credits

Prerequisite: MU-209[and 210] with a grade of C or better, or satisfactory score on the music placement

test. [Corequisite: MU-211.] An integrated approach to music; melody, elementary species counterpoint, and keyboard harmony.

To: MU241 Music Theory and Keyboard Harmony I 3 class hours 1 studio hour 3 credits

Prerequisite: MU-209 with a grade of C or better, or satisfactory score on the music placement test.

MU241 is recommended to be taken concurrently with MU211. An integrated approach to music; melody, elementary species counterpoint, and keyboard harmony.

From: MU242 Music Theory and Keyboard Harmony II 3 class hours 1 studio hour 3 credits.

Prerequisite: MU-241 with a grade of [C–] or better.

[Corequisite: MU-212.]

Continuation of diatonic counterpoint and harmony. The emphasis is upon tonality and the interrelationship of rhythm, melody, and harmony. The material studied is applied to the keyboard with parallel analysis of appropriate forms.

To: MU242 Music Theory and Keyboard Harmony II 3 class hours 1 studio hour 3 credits.

Prerequisite: MU-241 with a grade of C or better.

MU242 is recommended to be taken concurrently with MU212. Continuation of diatonic counterpoint and harmony. The emphasis is upon tonality and the interrelationship of rhythm, melody, and harmony. The material studied is applied to the keyboard with parallel analysis of appropriate forms.

From: MU243 Music Theory and Keyboard Harmony III 3 class hours 1 studio hour 3 credits each course

Prerequisite: MU-242 with a grade of [C–] or better. [Corequisite: MU-213, 214.]

To: MU243 Music Theory and Keyboard Harmony III 3 class hours 1 studio hour 3 credits each course

Prerequisite: MU-242 with a grade of C or better.

From: MU-312, 313, 314 Class Instruction in Piano II, III, IV 2 studio hours 1 credit each course

[Corequisite: MU-208, 209, or satisfactory score on the Music Placement Test.]

To: MU-312, 313, 314 Class Instruction in Piano II, III, IV 2 studio hours 1 credit each course

Prerequisite for MU312: MU-208 with a grade of C, or satisfactory score on the Music Placement Test.

Prerequisite for MU313: MU 312, with a grade of C or satisfactory score on the Music Placement Test.

Prerequisite for MU314: MU313 with a grade of C, or satisfactory score on the Music Placement Test.

From: MU-321, 322 Class Instruction in Voice I, II 2 studio hours 1 credit each course

[Corequisite: MU208, 209 or satisfactory score on the Music Placement Test.]

To: MU-321, 322 Class Instruction in Voice I, II 2 studio hours 1 credit each course

Prerequisite for MU322: MU321

From: MU411-414 [Vocal Ensemble] 2 studio hours 1 credit each course

[A small choral ensemble which performs music in various styles — spirituals, madrigals, jazz, popular, African, Asian, Latin and gospel.]

To: MU411-414 Pop Choir 2 studio hours 1 credit each course

A small vocal ensemble which rehearses and performs music in popular styles - jazz, pop, and musical theater. Pop Choir presents concerts at QCC and nearby community centers.

FROM: MU451-454 [Collegium Musicum] 2 studio hours 1 credit each course

Offered as needed.

[Comprises a variety of small instrumental and/or piano ensembles. The Collegium Musicum studies and performs music from the Baroque, Classic, Romantic, and contemporary periods.]

TO: MU451-454 Instrumental and Vocal Ensemble 2 studio hours 1 credit each course Offered as needed.

Comprises a variety of small instrumental and/or vocal ensembles. Students rehearse and perform music selected from Classical, Gospel, Broadway, Pop, Jazz and Contemporary styles.

MUSIC PLACEMENT TEST

From: Students wishing to take certain performance and theory courses in music must demonstrate basic skills in elementary theory, keyboard, and ear-training. They may demonstrate these skills either by passing the Music Placement Test or by completing the music fundamentals courses (MU-208, 209, [210].)

To: Students wishing to take certain performance and theory courses in music must demonstrate basic skills in elementary theory, keyboard, and ear-training. They may demonstrate these skills either by passing the Music Placement Test or by completing the music fundamentals courses (MU-208 or 209).

DEPARTMENT of PHYSICS (4)

FROM: PH-120 Introduction to Meteorology 3 class hours, 3 credits

Prerequisites & Co-req: None

Description: Introduces students to Meteorology and Atmospheric Sciences. The course presents basic scientific principles and how they apply to atmosphere and ocean. [Fulfills the science requirement without lab (or with lab when taken in conjunction with PH-121)]

TO: PH-120 Introduction to Meteorology 3 class hours, 3 credits

Prerequisites & Co-req: None

Description: Introduces students to Meteorology and Atmospheric Sciences. The course presents basic scientific principles and how they apply to atmosphere and ocean.

From: PH-201 General Physics I 3 lecture hours, 2 lab hours, 4 credits

Prerequisites: MA-114 or MA-120 or the equivalent, or satisfactory score on the Mathematics Placement Test (Level II MA-120)

To: PH-201 General Physics I

3 lecture hours, 1 recitation hour, 2 lab hours, 4 credits

Prerequisites: MA-114 or MA-120 or the equivalent, or satisfactory score on the Mathematics Placement Test (Level II MA-120)

From: PH 202 General Physics I 3 lecture hours, 2 lab hours, 4 credits

Prerequisites: PH-201 (with a grade of C or better)

To: PH 202 General Physics I 3 lecture hours, 1 recitation hour, 2 lab hours, 4 credits

Prerequisites: PH-201 (with a grade of C or better)

From: PH-240 Computerized Physical Measurement Using Graphical Programming 2 lecture hours, 3 lab hours, 3 credits

Prerequisites: [Permission of the department based on one laboratory science or technology; MA-114, MA-120 or the equivalent; ET-501, PH-303, BU-500 or the equivalent]

To: PH-240 Computerized Physical Measurement Using Graphical Programming 2 lecture hours, 3 lab hours, 3 credits

Prerequisites: MA-440 or the equivalent

DEPARTMENT of SOCIAL SCIENCES (19)

Prefix changes

From: SS198, 199

To: ANTH 199, CRIM 199, ECON 199, PLSC199, PSYC 199, PHIL 199, RELI199, UBST 199, EDUC 198 and SOC 199

From: SS 901 Urban Studies I

To: UBST 101 Urban Studies I

From: SS 902 Urban Studies II

To: UBST 201 Urban Studies II

From: SS 911 Urban Studies III

To: UBST 102 Urban Studies III

From: SS320 Urban Sociology

To: SOCY220 Urban Sociology

From: SS540 Social Psychology

To: PSYC240 Social Psychology

From: PSYC225 Psychology of Personal Adjustment

Prerequisite PSYC101

To: PSYC225 Psychology of Personal Adjustment

Prerequisite BE122 (or 226), or satisfactory score on the CUNY/ACT Assessment Test

From: SS390 Sociology of Health and Medicine

From: Prerequisite SS310

To: Prerequisite BE122 (or 226), or satisfactory score on the CUNY/ACT Assessment Test

From: PSYC225 Psychology of Personal Adjustment

To: PSYC125 Psychology of Personal Adjustment

From: SS390 Sociology of Health and Medicine

To: **SOCY190 Sociology of Health and Medicine**

DEPARTMENT OF SPEECH and THEATRE (3)

From: SP-211 Speech Communication [4] class hours, 3 credits.

Prerequisite: Satisfactory completion of Speech Placement Test or successful completion of SP 020, 005 and/or 006.

Study of oral communication and its role in contemporary society. Emphasis on listening, interpersonal communication, small group decision making, and public speaking, informative and persuasive speaking

To: SP-211 Speech Communication 3class hours, 3 credits

Prerequisite: Exemption from Speech Testing or satisfactory completion of Speech Placement Test or successful completion of SP 020, 005 and/or 006.

Study of oral communication and its role in contemporary society. Emphasis on listening, interpersonal communication, small group decision making, and public speaking, informative and persuasive speaking. This course introduces students to the principles and practices of contemporary forms of public speaking in the United States. Selecting topics from current U.S. society and or American history, students will perform research and gather credible evidence from both primary and secondary U.S. sources to create both informative and persuasive speeches. Students are also asked to employ methods taught in this course to analyze both historical and contemporary U.S. rhetoric for authenticity, organizational structure, target audiences and effectiveness as a means of persuasion or communication. Enrollment limited to 22 students.

From: SP 471 American Film History I 3 Class Hours, [2 Screening Laboratory hours], 3 Credits

Prerequisites: BE-112 (or 205) and BE-122 (or 226), or satisfactory score on the CUNY/ACT Assessment Test

An historical study of the nature and development of the cinema as an art form in the United States from its beginnings until present time. Technological, economic, industrial, legal, social and cultural factors which played an important role in shaping film genres are examined decade by decade. Significant foreign influences are also cited along with hundreds of illustrative clips and a classic feature film each session

To: SP 471 American Film History I 3 class hours, 1 recitation hour, 3 credits

Prerequisites: BE-112 (or 205) and BE-122 (or 226), or satisfactory score on the CUNY/ACT Assessment Test

An historical study of the nature and development of the cinema as an art form in the United States from its beginnings until present time. Technological, economic, industrial, legal, social and cultural factors which played an important role in shaping film genres are examined decade by decade. Significant foreign influences are also cited along with hundreds of illustrative clips and a classic feature film each session. Enrollment will be limited to 30 students.

From: SP 472 American Film History II 3 Class Hours, [2 Screening Laboratory hours], 3 Credits

Prerequisites: BE-112 (or 205) and BE-122 (or 226), or satisfactory score on the CUNY/ACT Assessment Test

This course introduces basic concepts of cinematic communication and presents them as “languages” which filmmakers use to create predictable emotional responses in audiences. Photography, framing, shots, angles, movement both within the frame and of the camera, sound,

editing, story narrative, acting and ideology are some of the components of film structure which directors use to create a visual style. Viewings and discussions are positioned to provide an active film vocabulary and achieve critical perspectives of modern American history and cinema.

To: SP 472 American Film History II 3 class hours, 1 recitation hour, 3 credits

Prerequisites: BE-112 (or 205) and BE-122 (or 226), or satisfactory score on the CUNY/ACT Assessment

This course introduces basic concepts of cinematic communication and presents them as “languages” which filmmakers use to create predictable emotional responses in audiences through historically significant American films and their makers. Films will be examined and discussed in relation to American culture and society. Photography, framing, shots, angles, movement both within the frame and of the camera, sound, editing, story narrative, acting and ideology are some of the components of film structure which directors use to create a visual style. Viewings and discussions are positioned to provide an active film vocabulary and achieve critical perspectives of modern American history and cinema. Enrollment is limited to 30 students.

REMOVAL OF COURSES

DEPARTMENT OF MUSIC

MU-205 Fundamentals of Music

MU-210 Elementary Sight Reading and Ear Training

NEW PROGRAMS

DEPARTMENT of ART and DESIGN

New **Art History Concentration** in Visual and Performing Arts – Associate in Science (A.S.) Degree (formerly Fine and Performing Arts)

DEPARTMENT of HEALTH, PHYSICAL EDUCATION and DANCE

NEW CONCENTRATION in AA Degree Program LA1 -**Concentration in Personal Training**

DEPARTMENT of SOCIAL SCIENCES

NEW CONCENTRATION in AA Degree Program LA1 -**Concentration in Education**

CHANGES in PROGRAMS-CURRICULA

DEPARTMENT OF ART and DESIGN

Change in AAS Degree in Digital Art and Design.

From: Students may choose between EN-101, English Composition I, and EN-103, Writing for the New Media. Both courses fulfill the first composition course requirement.

To: EN-101, English Composition I

DEPARTMENT of BUSINESS (2)

1. Revision in Certificate program Office Administration Assistant Certificate

**2. FROM: Microsoft Office Applications Proficiency Preparation Certificate
School Secretary Certificate; Accounting/Office Administration Technology Certificate
TO: Office Administration Assistant Certificate**

DEPARTMENT of ENGINEERING TECHNOLOGY

From: [New Media] Technology – A.A.S. Degree Program

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

Items Approved by the Committee not yet approved by the Academic Senate

DEPARTMENT of SOCIAL SCIENCES

Proposed Change From: SS360 Sociology of Education To: SOCY260 Sociology of Education, was approved by the committee.

DEPARTMENT of BUSINESS

Changes in Medical Office Assistant -- A.A.S. Degree Program (From BU918 to BU917) was approved by the committee.

PATHWAYS Update

With regard to matters related to Pathways there have been significant departures from the traditional way in which academic matters have been handled by the Committee on Curriculum and with the tradition of Shared Governance at the College.

Many meetings of the Committee on Curriculum were attended by the Provost, Interim Vice President, Karen Steele, in addition to the President's Designee, Dean Arthur Corradetti. Further, there was a meeting of the Committee at which the President, Diane Call, was present and addressed the Committee.

Both the administration and committee members regretted the departures from standard and traditional process and criteria in the operation of the Committee on Curriculum.

At several meetings the President and the Provost would bring the matter of the financial cost of academic matters to the attention of the Committee which was considering changes in course hours and credits with regard to the English Composition and basic Foreign Language instruction. There

was an argument made by the administration that in the Pathways environment financial considerations were to be considered in a manner that the Committee thought would displace academic concerns and academic integrity of courses and the best interests of students. The Committee on Curriculum adopted no proposal for the consideration of the Academic Senate based on the financial considerations involved.

The Committee on Curriculum forwarded several items to the Academic Senate related to the CUNY Pathways Initiative. The disposition of those items by the Academic Senate is not clear but many items were forwarded by the College Administration to the Chancellery for processing and many were placed onto the Chancellor's report and received by the CUNY BOT.

STEM Courses

Many items in the STEM areas were sent to the Chancellery and not received by or acted on by the Committee on Curriculum.

ENGLISH Courses

The Committee on Curriculum did not receive not approve of any changes to EN 101 or 102 and yet it appears that changes were made in the manner in which these courses would be offered in Fall of 2013 and onward and those changes were not sent to the Academic Senate for its approval.

FOREIGN LANGUAGE Courses

The Committee received and rejected changes to the basic 101-102 levels of Foreign Language instruction that reduced the contact time with instructors in the classroom. The Committee sent a set of new courses that had the form of 3 credits with 3 lecture hours and 1 recitation hour to the Academic Senate and they were all approved. The Academic Senate also appears to have approved of their inclusion in the Common Core.

The administration at first held back sending them forward to the Chancellery but then did so after discussions with Senate leadership and did so indicating that the Administration would not offer the classes in the new form. The reasoning rested on financial considerations. This was all reported to the academic Senate.

The Department of Foreign Languages and Literature and the College Administration reached an agreement that as Pathways is implemented in Fall of 2013 the current form of basic Foreign Language instruction would remain as it has been with 4 credits and 4 hours and not be part of the new Pathways Common Core but required in the AA and many AS degree programs.

Other Pathways Matters

The Committee on Curriculum forwarded several items related to the CUNY Pathways Initiative to the Academic Senate for its meeting in November of 2012. Here are those items

Subject: Monthly Report for NOVEMBER 2012 Pathways Items

The Committee on Curriculum has acted to send the following recommendations to the Academic Senate related to the actions of the CUNY BOT in June of 2011 creating a series of policies to insure more efficient transfer, commonly known as Pathways.

I. COURSE NOMINATIONS for the new CUNY Common Core

The Committee on Curriculum recommends that the courses contained in the attached listing be approved for inclusion in the new CUNY Common Core in the eight areas of that Core indicated in the listing.

Attachment A: Excel Spreadsheet with 231 courses listed in Eight Categories of the new CUNY Common Core

Attachment B: FOLDER the Course nomination forms and syllabi for non-STEM courses in 8 Common Core Categories.

II. DEGREE PROGRAMS

A. Removals

The Committee on Curriculum recommends that there be **no removal** of current degree programs.

B. Changes in degree programs

1. AAS Programs

The Committee on Curriculum recommends **no changes** to current AAS degree programs. No changes are required by the CUNY BOT actions of June 2011.

The Common Core will apply to all A.A., A.S., and baccalaureate degrees. By New York State Education Department regulations, A.A.S. degrees contain fewer liberal arts credits than do A.A. or A.S. degrees. However, liberal arts requirements for A.A.S. degrees will be drawn from the courses approved for the Common Core such that A.A.S. students will receive partial certification for completion of the Core. If an A.A.S. student transfers to an A.A., A.S., or baccalaureate program, that student will need to complete the remainder of the 30-credit Core.—CUNY BOT 6-2011

2. Dual Joint Degree Programs

The Committee on Curriculum recommends no changes to current Dual Joint Degree Programs as there has been no final position taken on such changes by the senior college partners with the College.

3. New Degree Programs

a. AA Degree Program

The Committee on Curriculum recommends a **new Associate in Arts Degree (LA3)** Program fully compliant with the Pathways requirements and starting with **12 concentrations**

b. AS Degree Programs

The Committee on Curriculum recommends a **new Associate in Science Degree Programs**
General (LS3) (see Attachment)
Business Administration (see Attachment)
Visual and Performing Arts (see Attachment)
Gallery and Museum Studies (see Attachment)

The minutes of the Academic Senate meeting of November 13, 2012 as approved by the Academic Senate in a unanimous vote of approval record and report this:

I. With regard to **COURSE NOMINATIONS for the new CUNY Common Core**

“A motion was made, seconded, and approved with eleven negative votes from Emily Tai, Philip Pecorino, Paul Weiss, Alexandra Tarasko, Lana Zinger, Aithne Bialo-Padin, Julian Stark, Bob Rogers, Jennifer Maloy, Andrew Nguyen, and Cheryl Spencer, and two abstentions from Regina Rochford and Anthony Kolios to allow these Pathways courses to

be submitted to the Senate.

There was no actual vote to approve of the courses being submitted to the CUNY Office of Academic Affairs for the new CUNY Common Core. Nonetheless, the College Administration interpreted this Senate action as approval for sending the items forward to the University Office of Academic Affairs.

II. With regard to The Committee on Curriculum recommends a **new Associate in Arts Degree (LA3)** Program fully compliant with the Pathways requirements and starting with **12 concentrations**” the minutes report that :

A motion was made, seconded, and approved with two negative votes from Philip Pecorino, Julian Stark and three abstentions from Joseph Bertorelli, Joel Kuszai, and Anthony Kolios to allow these New Degree Programs (*Attachment F of the Nov 13, 2012 Agenda*).

In place of this resolution for a new AA Degree program the College Office of Academic Affairs sent forward a revision of the current AA Degree program.

III. With regard to the new degree programs

AS Degree Programs The Committee on Curriculum recommends a **new Associate in Science Degree Programs General (LS3) (see Attachment)** Discussions arose as to where this was derived from? **A motion was made, seconded, and approved with one abstention from Anthony Kolios** to send back to the curriculum committee.

Business Administration (see Attachment)

A motion was made, seconded, and approved with two negative votes from Philip Pecorino and Julian Stark and two abstentions from Aithne Bialo-Padin and Anthony Kolios to approve degree programs in Business Administration.

Visual and Performing Arts (see Attachment)

A motion was made, seconded, and approved with one negative vote from Philip Pecorino and three abstentions from Aithne Bialo-Padin, Alexandra Tarasko and Anthony Kolios to approve degree programs in Visual and Performing Arts.

Gallery and Museum Studies (see Attachment)

A motion was made, seconded, and approved with two negative votes from Philip Pecorino and Julian Stark and three abstentions from Aithne Bialo-Padin, Alexandra Tarasko and Anthony Kolios to approve degree programs in Gallery and Museum Studies.

The Committee on Curriculum has sent no other degree program changes forward because the Chancellor’s Report indicated that the QCC Administration has done so on its own without approvals from the Academic Senate. This was reported to the Academic Senate. The Committee determined that with regard to Pathways items the administration was prepared to act and did act on its own to move matters from the College to the University.

In May 2013 the Committee on Curriculum informed the Academic Senate that there have been a number of developments related to the Pathways curriculum activities and some raise issues with proper observation of shared governance.

“A. There have been courses nominated by departments for the Common Core not yet approved as such by the Academic Senate (see-attached listing). The Senate may wish to consider them and act upon them.

B. There have been a considerable number of changes in the placement of QCC courses into the Common Core as a result of a process of approval with CUNY Committees to Review Common Core Courses. See attached listing for current status of QCC courses in the new CUNY Common Core. It indicates those that have been rejected and those placed into a different category than was sent to the Academic Senate in November of 2012.

C. There have been degree program changes which the CUNY Office of Academic Affairs has sent on to the CUNY BOT and received the approval of the BOT without having been approved by the QCC Academic Senate. This was reported to the Academic Senate in March 2013. These include the LS1 , AS Degree program in Science and Math and the AS degree program in Engineering and the AS degree program in Health Science (see March 2013 monthly report).

D. There have been courses that were rejected and sent back by the Common Core Review Committees and revisions were made. In some few cases significant changes were made to those courses to have them approved but those changes were not submitted for vetting by the QCC Committee on Curriculum or the Academic Senate.

The Committee on Curriculum has reviewed those cases to determine if there are needed changes in course descriptions or if the changes result in courses not to be given the number of college credits originally assigned or to be rejected as college courses. Thus far, the Committee has advised departments where a change in course description is in order but has taken no other actions.”

Please see spread sheets sent to the Senate in May of 2013.