KINGSBOROUGH COMMUNITY COLLEGE **FALL 2020 Curriculum Committee Meeting** Thursday, October 22, 2020: 1:00 P.M. – 3:00 P.M. Zoom Meeting	

MINUTES		

Members Attending:		
Gordon Alley-Young (COM)		Jeffrey Lax (BUS)
Anthony Borgese (TAH)		Edward Martin (Chair)
Mary Dawson (BIO)		John Mikalopas (PHY)
Kristin Derimanova (ART)		Carlos Arguelle (LIB)
Eileen Ferretti (ENG)		Stuart Parker (BEH)
Richard Fruscione (AHM)		Joanne Russell (Provost)
Alfonso Garcia-Osuna (FOR)		Jacob Segal (HIS)
Don Hume (HEA)		Bridget Weeks (NUR)
		Rina Yarmish (MAT)
Guests:		
Amanda Kalin (Secretary of the Committee)		Prof. Kieren Howard (PHY)
Dean Sharon Warren Cook		

Meeting was called to order by Chairman Martin at 1:00pm. He welcomed all, especially new members (Profs. Arguelle, Parker and Segal). Prof. Martin also congratulated FORMER curriculum committee member, Dr. Harold C. Connolly, Jr., who is NASA's Sample Scientist on the OSIRIS-REx asteroid mission.

The following curriculum items were APPROVED unanimously. Note: Some items were voted out of order or grouped for voting purposes, due to their relation to new courses or common changes.

Program Learning Outcomes (Informational Item)		N/A

SPECIAL ACTIONS

Department of Behavioral Science		
Closing of Degree Program		
1. A.S. Early Childhood Education/Child Care		
HEGIS: 5503.00		
Program: 01063		
Sunset Date: FALL 2024		

CHANGE IN DEGREE TYPE		N/A

CHANGE IN DEGREE REQUIREMENT

Department of Allied Health, Mental Health and Human Services		
1. A.A.S. Surgical Technology		
HEGIS: 5211.00		
Program Code: 29509		
Change: Degree Requirements		

FROM:		TO:	
CUNY CORE	CREDITS	**CUNY CORE**	CREDITS
REQUIRED CORE: (4 Courses, 13 Credits)		**REQUIRED CORE:** (4 Courses, 13 Credits)	
When Required Core courses are specified for a category, they are strongly suggested and/or required for the major.		When Required Core courses are specified for a category, they are strongly suggested and/or required for the major.	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
Mathematical and Quantitative Reasoning:	3	Mathematical and Quantitative Reasoning:	3
Life and Physical Sciences:	4	Life and Physical Sciences:	4
BIO 1100 - Human Anatomy and Physiology I		BIO 1100 - Human Anatomy and Physiology I	
FLEXIBLE CORE: (3 **4** Courses, 10 **13** Credits)	10 **13**	**FLEXIBLE CORE:** (**4** Courses, **13** Credits)	**13**
When Flexible Core Courses are specified for a category, they are required for the major. ~~Two (2) courses for a total of six (6) credits from Groups A to D, selected from these disciplines, Anthropology, Economics, History, Political Science, Psychology, or Sociology, with one (1) course per discipline~~ (Group **D and** E ~~is~~ **are** satisfied by the course**s** shown)~~:~~		When Flexible Core Courses are specified for a category, they are required for the major. Group **D and** E **are** satisfied by the courses shown:	
A. World Cultures and Global Issues		A. World Cultures and Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
		PHI 7600 - Ethics and Morality in the Health Professions	**3**
		SOC 3100 - Introduction to Sociology	**3**
E. Scientific World		E. Scientific World	
BIO 1200 - Human Anatomy and Physiology II	4	BIO 1200 - Human Anatomy and Physiology II	4
		PSY 1100 - General Psychology	**3**
Major Requirements (13 **12** Courses, 39 **36** Credits):	39 **36**	**Major Requirements** (**12** Courses, **36** Credits):	**36**
BIO 5100 - Microbiology in Health and Disease	4	BIO 5100 - Microbiology in Health and Disease	4
~~PHI 7600 - Ethics and Morality in the Health Professions~~	~~3~~		
ST 100 - Surgical Technology I	3	ST 100 - Surgical Technology I	3
ST 200 - Surgical Technology II	2	ST 200 - Surgical Technology II	2
ST 300 - Surgical Technology III	4	ST 300 - Surgical Technology III	4
ST 3P00 - Practicum I	2	ST 3P00 - Practicum I	2
ST 400 - Surgical Procedures	3	ST 400 - Surgical Procedures	3
ST 4P00 - Practicum II	2	ST 4P00 - Practicum II	2
ST 500 - Advanced Surgical Procedures	4	ST 500 - Advanced Surgical Procedures	4
ST 5P00 - Practicum III	3	ST 5P00 - Practicum III	3

ST 600 - Professional Strategies for the Surgical Technologist	3	ST 600 - Professional Strategies for the Surgical Technologist	3
ST 6P00 - Practicum IV	3	ST 6P00 - Practicum IV	3
ST 4500 - Surgical Pharmacology	3	ST 4500 - Surgical Pharmacology	3
ELECTIVES:	2	**ELECTIVES:**	2
2 credits sufficient to total 64 credits for the degree.		2 credits sufficient to total 64 credits for the degree.	
TOTAL:	64	**TOTAL:**	64
*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.		*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.	
		NOTE:	
		The Certified Surgical Technologist (CST^{TM}) to Associate of Applied Science (AAS) Bridge Program is designed specifically for the practicing CST^{TM}. Active Certified Surgical Technologist's receive credit for ST 100, ST 200, ST 300, ST 3P00, ST 400, ST 4P00, ST 500, ST 5P00, ST 600, ST 6P00, and ST 4500 (32 credits), and will complete and 32-credits of General Education and Elective requirements.	

Department of Art

1. A.S. Fine Arts			
HEGIS: 5610.00			
Program Code: 76002			
Change: Degree Requirements			
FROM:		**TO:**	
CUNY CORE	CREDITS	**CUNY CORE**	CREDITS
REQUIRED CORE: (4 Courses, 12 Credits)	12	**REQUIRED CORE:** (4 Courses, 12 Credits)	12
When Required Core courses are specified for a category, they are strongly suggested and/or required for the major.		When Required Core courses are specified for a category, they are strongly suggested and/or required for the major.	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
± Mathematical and Quantitative Reasoning	3	± Mathematical and Quantitative Reasoning	3
± Life and Physical Sciences±	3	± Life and Physical Sciences±	3
FLEXIBLE CORE:	18	**FLEXIBLE CORE:**	18

When Flexible Core courses are specified for a category, they are strongly suggested and/or required for the major. One (1) course from each Group A to E and one (1) additional course from any group. No more than two courses in the same discipline.		When Flexible Core courses are specified for a category, they are strongly suggested and/or required for the major. One (1) course from each Group A to E and one (1) additional course from any group. No more than two courses in the same discipline.	
A. World Cultures & Global Issues		A. World Cultures & Global Issues	
ART 3300 - Survey of Art History: From Ancient to Renaissance Art		ART 3300 - Survey of Art History: From Ancient to Renaissance Art	
ART 3400 - Survey of Art History: From Renaissance to 19th Century Art		ART 3400 - Survey of Art History: From Renaissance to 19th Century Art	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
± E. Scientific World		± E. Scientific World	
DEGREE REQUIREMENTS (4 Courses, 12 Credits)	**12**	**DEGREE REQUIREMENTS** (4 Courses, 12 Credits)	**12**
ART 3300 - Survey of Art History: From Ancient to Renaissance Art	3	ART 3300 - Survey of Art History: From Ancient to Renaissance Art	3
ART 3400 - Survey of Art History: From Renaissance to 19th Century Art	3	ART 3400 - Survey of Art History: From Renaissance to 19th Century Art	3
ART 5500 - Design Foundations	3	ART 5500 - Design Foundations	3
ART 5700 - Drawing I	3	ART 5700 - Drawing I	3
Select one (1) of the following concentrations:		Select one (1) of the following concentrations:	
ART HISTORY (5 courses, 15 Credits)	**15**	**ART HISTORY** (5 courses, 15 Credits)	**15**
ART 3500 - Nineteenth-Century Art	3	ART 3500 - Nineteenth-Century Art	3
ART 3600 - Twentieth-Century Art	3	ART 3600 - Twentieth-Century Art	3
ART 3700 - Survey of Non-Western Art	3	ART 3700 - Survey of Non-Western Art	3
ART 3800 - Renaissance Art	3	ART 3800 - Renaissance Art	3
Recommended Elective	3	Recommended Elective	3
CERAMICS (5 Courses, 15 to 16 Credits)	**15-16**	**CERAMICS** (5 Courses, 15 to 16 Credits)	**15-16**
ART 6300 - Ceramics I	3	ART 6300 - Ceramics I	3
ART 6400 - Ceramics II	3	ART 6400 - Ceramics II	3
ART 8072 - Ceramic Sculpture	3	ART 8072 - Ceramic Sculpture	3
Recommended Electives 6 to 7 credits	6-7	Recommended Electives 6 to 7 credits	6-7
DRAWING AND PAINTING (5 Courses, 16 to 17 Credits)	**16 - 17**	**DRAWING AND PAINTING** (5 Courses, 16 to 17 Credits)	**16 - 17**
ART 5800 - Drawing II	3	ART 5800 - Drawing II	3
ART 5900 - Painting I	3	ART 5900 - Painting I	3
ART 6000 - Painting II	4	ART 6000 - Painting II	4
Recommended Electives 6 to 7 credits	6-7	Recommended Electives 6 to 7 credits	6-7
PHOTOGRAPHY (5 Courses, 15 Credits)	**15**	**PHOTOGRAPHY** (5 Courses, 15 Credits)	**15**

ART 5100 - Photography I	3	ART 5100 - Photography I	3
ART 5200 - Photography II	3	ART 5200 - Photography II	3
ART 9400 - The Art of Digital Photography	3	ART 9400 - The Art of Digital Photography	3
Recommended Electives 6 credits	6	Recommended Electives 6 credits	6
SCULPTURE (5 Courses, 16 to 17 Credits)	**16 - 17**	**SCULPTURE** (5 Courses, 16 to 17 Credits)	**16 - 17**
ART 6100 - Sculpture I	3	ART 6100 - Sculpture I	3
ART 6200 - Sculpture II	4	ART 6200 - Sculpture II	4
~~ART 8348 - Figure Modeling and Carving~~	~~3~~		
		ART 5600 - 3-Dimensional Design	**3**
Recommended Electives 6 to 7 credits	6-7	Recommended Electives 6 to 7 credits	6-7
ELECTIVES: 1 to 9 credits sufficient to meet required total of 60 credits	1 - 9	**ELECTIVES:** 1 to 9 credits sufficient to meet required total of 60 credits	1 - 9
TOTAL CREDITS: 60	**60**	**TOTAL CREDITS: 60**	**60**

Department of Behavioral Sciences			
1. A.S. Education Studies			
HEGIS: 5503.00			
Program Code: 26738			
Change: Degree Requirements			
FROM:		**TO:**	
CUNY CORE	**CREDITS**	**CUNY CORE**	**CREDITS**
REQUIRED CORE: (4 Courses, 12 Credits)	12	**REQUIRED CORE:** (4 Courses, 12 Credits)	12
When Required Core courses are specified for a category, they are strongly suggested and/or required for the major		When Required Core courses are specified for a category, they are strongly suggested and/or required for the major	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
± Mathematical & Quantitative Reasoning	3	± Mathematical & Quantitative Reasoning	3
± Life and Physical Sciences	3	± Life and Physical Sciences	3
FLEXIBLE CORE: (6 Courses, 18 Credits)	18	**FLEXIBLE CORE:** (6 Courses, 18 Credits)	18
When Flexible Core courses are specified for a category, they are strongly suggested and/or required for the major One course from each Group A to E. and one (1) additional course from any group		When Flexible Core courses are specified for a category, they are strongly suggested and/or required for the major One course from each Group A to E. and one (1) additional course from any group	
A. World Cultures and Global Issues		A. World Cultures and Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
SOC 3100 – Introduction to Sociology		SOC 3100 – Introduction to Sociology	

PSY 3000 – Child and Adolescent Development		PSY 3000 – Child and Adolescent Development	
± E. Scientific World		± E. Scientific World	
PSY 1100 – General Psychology		PSY 1100 – General Psychology	
DEGREE REQUIREMENTS: (8 Courses, 23 Credits)		**DEGREE REQUIREMENTS**: (8 Courses, 23 Credits)	
EDC 200 – Social Foundations of Education	3	EDC 200 – Social Foundations of Education	3
EDC 2200 – Art Workshop in Education	3	EDC 2200 – Art Workshop in Education	3
EDC 2300 – Music and Movement Workshop in Education	2	EDC 2300 – Music and Movement Workshop in Education	2
EDC 90A4 – Practicum in Teacher Development I	3	EDC 90A4 – Practicum in Teacher Development I	3
PSY 1100 - General Psychology	3	PSY 1100 - General Psychology	3
PSY 2400 – Psychological Disorders in Young Children	3	PSY 2400 – Psychological Disorders in Young Children	3
PSY 3000 – Child and Adolescent Development	3	PSY 3000 – Child and Adolescent Development	3
SOC 3100 – Introduction to Sociology	3	SOC 3100 – Introduction to Sociology	3
Select **one (1)** of the following concentrations:		Select **one (1)** of the following concentrations:	
BIRTH – 2ND GRADE (2 Courses, 6 Credits)		**BIRTH – 2ND GRADE** (2 Courses, 6 Credits)	
EDC 3200 – Infant/Toddler Development	3	EDC 3200 – Infant/Toddler Development	3
EDC 4000 – Educational Practices for Early Language and Literacy Development	3	EDC 4000 – Educational Practices for Early Language and Literacy Development	3
OR		**OR**	
1ST – 6TH GRADE: (3 Courses, 7 Credits)	7	**1ST – 6TH GRADE:** (3 Courses, 7 Credits)	7
EDC 3100 – Social Science in Childhood Education	3	EDC 3100 – Social Science in Childhood Education	3
SOC 3200 – Urban Sociology	3	SOC 3200 – Urban Sociology	3
HUM 8181 – Development of Literacy in Children	1	HUM 8181 – Development of Literacy in Children	1
ELECTIVES: ~~1~~ **0** -12 credits sufficient to total 60 credits for the degree.	~~1~~ **0** -12	**ELECTIVES:** **0** -12 credits sufficient to total 60 credits for the degree.	**0 - 12**
		The following course is HIGHLY Recommended if additional elective credits are available.	
		EDC 2400 - Teaching Emergent Bilinguals	
TOTAL CREDITS: 60	60	**TOTAL CREDITS: 60**	60
Department of Biological Sciences			
1. A.S. Biology			
HEGIS: 5604.00			
Program Code: 01039			
Change: Degree Requirements			
FROM:		**TO:**	

CUNY CORE	CREDITS	CUNY CORE	CREDITS
REQUIRED CORE: (4 Courses, 13 Credits)	**13**	**REQUIRED CORE:** (4 Courses, 13 Credits)	**13**
When Required Core Courses are specified for a category, they are required for the major		When Required Core Courses are specified for a category, they are required for the major	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
Mathematical & Quantitative Reasoning*:	3	Mathematical & Quantitative Reasoning*:	3
		MAT 9B0 - College Algebra for STEM Majors or	
MAT 900 - College Algebra		MAT 900 - College Algebra	
Life and Physical Sciences*:	4	Life and Physical Sciences*:	4
BIO 1300 – General Biology I		BIO 1300 – General Biology I	
FLEXIBLE CORE: (6 Courses, 19 Credits)	**19**	**FLEXIBLE CORE:** (6 Courses, 19 Credits)	**19**
When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.		When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.	
A. World Cultures and Global Issues		A. World Cultures and Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
E. Scientific World*:		E. Scientific World*:	
BIO 1400 – General Biology II (4 crs.)		BIO 1400 – General Biology II (4 crs.)	
MAT 1400 – Analytic Geometry and Pre-Calculus Mathematics * (3 crs.)		MAT 1400 – Analytic Geometry and Pre-Calculus Mathematics * (3 crs.)	
DEPARTMENT REQUIREMENTS (3 Courses, 11 to 12 Credits)	**11 to 12**	**DEPARTMENT REQUIREMENTS** (3 Courses, 11 to 12 Credits)	**11 to 12**
CHM 1100 – General Chemistry I	4	CHM 1100 – General Chemistry I	4
CHM 1200 - General Chemistry II	4	CHM 1200 - General Chemistry II	4
CP 1100 - Introduction to Computers and Computer Applications (4 crs) or	4 - 3	CP 1100 - Introduction to Computers and Computer Applications (4 crs) or	4 - 3
BIO/CIS 6000 – Computer Applications in Bioinformatics (3 crs.)		BIO/CIS 6000 – Computer Applications in Bioinformatics (3 crs.)	
CONCENTRATIONS: (2 Courses, 8 Credits)	8	**CONCENTRATIONS:** (2 Courses, 8 Credits)	8
Select **one (1)** of the following concentrations:		Select **one (1)** of the following concentrations:	
Biology Transfer: (2 Courses, 8 Credits)	**8**	**Biology Transfer:** (2 Courses, 8 Credits)	**8**
Select **two (2)** of the following Biology Laboratory courses:		Select **two (2)** of the following Biology Laboratory courses:	
BIO 2100 - Comparative Anatomy (4 crs.) or		BIO 2100 - Comparative Anatomy (4 crs.) or	
BIO 2200 - Developmental Biology (4 crs.) or		BIO 2200 - Developmental Biology (4 crs.) or	
BIO 5000 - General Microbiology (4 crs.) or		BIO 5000 - General Microbiology (4 crs.) or	

BIO 5200 - Marine Biology (4 crs.) or		BIO 5200 - Marine Biology (4 crs.) or	
BIO 5300 - Ecology (4 crs.) or		BIO 5300 - Ecology (4 crs.) or	
BIO 5800 - Recombination DNA Technology (4 crs.) or		BIO 5800 - Recombination DNA Technology (4 crs.) or	
BIO 5900 – Genetics (4 crs.) or		BIO 5900 – Genetics (4 crs.) or	
BIO 6500 - Molecular and Cellular Biology (4 crs.)		BIO 6500 - Molecular and Cellular Biology (4 crs.)	
OR		**OR**	
Allied Health Transfer (2 Courses, 8 Credits):	**8**	**Allied Health Transfer** (2 Courses, 8 Credits):	**8**
BIO 1100 - Human Anatomy and Physiology I (4 crs.)		BIO 1100 - Human Anatomy and Physiology I (4 crs.)	
BIO 1200 - Human Anatomy and Physiology II (4 crs.)		BIO 1200 - Human Anatomy and Physiology II (4 crs.)	
ELECTIVES: 8 - 9 credits sufficient to meet the required total 60 credits for the degree.	**8 - 9**	**ELECTIVES:** 8 - 9 credits sufficient to meet the required total 60 credits for the degree.	**8 - 9**
Allied Health Transfer Option, Suggested Elective:		Allied Health Transfer Option, Suggested Elective:	
BIO/MAT 9100 – Biostatistics (4 crs.)		BIO/MAT 9100 – Biostatistics (4 crs.)	
Transfer to a Physician Assistant Program, Suggested Elective:		Transfer to a Physician Assistant Program, Suggested Elective:	
BIO 5100 – Microbiology in Health and Disease (4 crs.)		BIO 5100 – Microbiology in Health and Disease (4 crs.)	
TOTAL CREDITS: 60	60	**TOTAL CREDITS: 60**	60
2. A.S. Biotechnology			
HEGIS: 5407.00			
Program Code: 33155			
Change: Degree Requirements			
FROM:		**TO:**	
CUNY CORE	**CREDITS**	**CUNY CORE**	**CREDITS**
REQUIRED CORE: (4 Courses, 13 Credits)	**13**	**REQUIRED CORE:** (4 Courses, 13 Credits)	**13**
When Required Core Courses are specified for a category, they are required for the major		When Required Core Courses are specified for a category, they are required for the major	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
Mathematical & Quantitative Reasoning*:	3	Mathematical & Quantitative Reasoning*:	3
		MAT 9B0 - College Algebra for STEM Majors or	
MAT 900 - College Algebra		MAT 900 - College Algebra	
Life and Physical Sciences*:	4	Life and Physical Sciences*:	4
BIO 1300 – General Biology I		BIO 1300 – General Biology I	

FLEXIBLE CORE: (6 Courses, 20 Credits)	**20**	**FLEXIBLE CORE:** (6 Courses, 20 Credits)	**20**
When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.		When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.	
A. World Cultures and Global Issues		A. World Cultures and Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
E. Scientific World*:		E. Scientific World*:	
BIO/MAT 9100 - Biostatistics		BIO/MAT 9100 - Biostatistics	
BIO 1400 - General Biology II		BIO 1400 - General Biology II	
DEPARTMENT REQUIREMENTS (6 Courses, 23 Credits)	**23**	**DEPARTMENT REQUIREMENTS** (6 Courses, 23 Credits)	**23**
BIO 5000 - General Microbiology **or**	4	BIO 5000 - General Microbiology **or**	4
BIO 5900 - Genetics		BIO 5900 - Genetics	
BIO 5800 - Recombinant DNA Technology **or**	4	BIO 5800 - Recombinant DNA Technology **or**	4
BIO 5700 - Biotechnology: Cell Culture and Cloning		BIO 5700 - Biotechnology: Cell Culture and Cloning	
BIO 6500 - Molecular and Cellular Biology	4	BIO 6500 - Molecular and Cellular Biology	4
CHM 1100 - General Chemistry I	4	CHM 1100 - General Chemistry I	4
CHM 1200 - General Chemistry II	4	CHM 1200 - General Chemistry II	4
BIO/CIS 6000 - Computer Applications in Bioinformatics	3	BIO/CIS 6000 - Computer Applications in Bioinformatics	3
ELECTIVES:		**ELECTIVES:**	
4 credits sufficient to meet the required total 60 credits for the degree.	**4**	4 credits sufficient to meet the required total 60 credits for the degree.	**4**
TOTAL CREDITS: 60	60	**TOTAL CREDITS: 60**	60
Department of Communications and Performing Arts			
1. A.S. Speech Communications			
HEGIS: 5606.00			
Program Code: 29487			
Change: Degree Requirements			
FROM:		**TO:**	
CUNY CORE	**CREDITS**	**CUNY CORE**	**CREDITS**
REQUIRED CORE: (4 Courses, 12 Credits):	**12**	REQUIRED CORE: (4 Courses, 12 Credits):	**12**

When Required Core courses are specified for a category, they are strongly suggested and/or required for the major.		When Required Core courses are specified for a category, they are strongly suggested and/or required for the major.	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
± Mathematical & Quantitative Reasoning	3	± Mathematical & Quantitative Reasoning	3
± Life and Physical Sciences	3	± Life and Physical Sciences	3
FLEXIBLE CORE: (6 Courses, 18 Credits):	18	FLEXIBLE CORE: (6 Courses, 18 Credits):	18
When Flexible Core courses are specified for a category, they are strongly suggested and/or required for the major. One (1) course from each Group A to E **and** one (1) additional course from any group. No more than two course can be selected from the same discipline.		When Flexible Core courses are specified for a category, they are strongly suggested and/or required for the major. One (1) course from each Group A to E **and** one (1) additional course from any group. No more than two course can be selected from the same discipline.	
A. World Cultures and Global Issues		A. World Cultures and Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
SPE 2700 - Oral Interpretation		SPE 2700 - Oral Interpretation	
D. Individual & Society		D. Individual & Society	
SPE 2500 - Small Group Communication		SPE 2500 - Small Group Communication	
± E. Scientific World		± E. Scientific World	
DEPARTMENT REQUIREMENTS: (4 **3** Courses, 12 **9** Credits):	12 **9**	**DEPARTMENT REQUIREMENTS:** (**3** Courses, **9** Credits):	**9**
SPE 2400 - Career Communication	3	SPE 2400 - Career Communication	3
SPE 2500 - Small Group Communication	3	SPE 2500 - Small Group Communication	3
SPE 2700 - Oral Interpretation	3	SPE 2700 - Oral Interpretation	3
~~SPE 2900 - Voice and Articulation~~	3		
Select **one** (1) of the following concentrations		Select **one** (1) of the following concentrations	
COMMUNICATION STUDIES CONCENTRATION: (3 **4** Courses, 9 **12** Credits)	9 **12**	**COMMUNICATION STUDIES CONCENTRATION:** (**4** Courses,**12** Credits)	**12**
SPE 1200 - Interpersonal Communication	3	SPE 1200 - Interpersonal Communication	3
		SPE 1800 - Health Communication or	**3**
		SPE 1900 - Family Communication	
SPE 2100 - Effective Public Speaking	3	SPE 2100 - Effective Public Speaking	3
SPE 2600 - Intercultural Communication	3	SPE 2600 - Intercultural Communication	3
OR		**OR**	
SPEECH PATHOLOGY CONCENTRATION: (3 **5** Courses, 10 **17** Credits)	10 **17**	**SPEECH PATHOLOGY CONCENTRATION:** (**5** Courses, **17** Credits)	**17**
		SPE 1700 - Introduction to Linguistics	**4**
		SPE 2900 - Voice and Articulation	**3**
SPE 4000 - Phonetics	3 **4**	SPE 4000 - Phonetics	**4**
SPE 4100 - Language Development	04 **3**	SPE 4100 - Language Development	**3**
AND		**AND**	

SPE 1200 - Interpersonal Communication **or**	3	SPE 1200 - Interpersonal Communication **or**	3
SPE 2600 - Intercultural Communication		SPE 2600 - Intercultural Communication	
ELECTIVES: ~~8~~ **4** to 15 credits sufficient to total 60 credits for the degree.	~~8~~ **4** to 15	**ELECTIVES: 4** to 15 credits sufficient to total 60 credits for the degree.	**4** to 15
TOTAL CREDITS: 60	**60**	**TOTAL CREDITS: 60**	**60**
Department of Mathematics and Computer Science			
1. A.A.S. Computer Information Systems			
HEGIS: 5101.00			
Program Code: 01055			
Change: Degree Requirements			
FROM:		**TO:**	
CUNY CORE	**CREDITS**	**CUNY CORE**	**CREDITS**
REQUIRED CORE: (4 Courses, 12-13 Credits)	12-13	**REQUIRED CORE: (4 Courses, 12-13 Credits)**	12-13
When Required Core courses are specified for a category, they are strongly suggested and/or required for the major.		When Required Core courses are specified for a category, they are strongly suggested and/or required for the major.	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
Mathematical and Quantitative Reasoning:		Mathematical and Quantitative Reasoning:	
MAT 1400 – Analytic Geometry and Pre-Calculus Mathematics * or	3	MAT 1400 – Analytic Geometry and Pre-Calculus Mathematics * or	3
MAT/BA 2200 – Business Statistics*	4	MAT/BA 2200 – Business Statistics*	4
Life and Physical Sciences	3	Life and Physical Sciences	3
FLEXIBLE CORE: (3 Courses, 9 Credits)	9	**FLEXIBLE CORE: (3 Courses, 9 Credits)**	9
When Flexible Core Courses are specified for a category, they are strongly suggested and/or required for the major.		When Flexible Core Courses are specified for a category, they are strongly suggested and/or required for the major.	
Select one (1) course from three (3) Groups A to E for a total of nine (9) credits. Each Course Must be in a Different Discipline		Select one (1) course from three (3) Groups A to E for a total of nine (9) credits. Each Course Must be in a Different Discipline	
A. World Cultures & Global Issues		A. World Cultures & Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
E. Scientific World*:	3	E. Scientific World*:	3
MAT 900 - College Algebra or ^		MAT 900 - College Algebra or ^	
		MAT 9B0 - College Algebra for STEM Majors^	
DEGREE REQUIREMENTS: (11 Courses, 37 to 38 Credits)	37 - 38	**DEGREE REQUIREMENTS: (11 Courses, 37 to 38 Credits)**	37 - 38
CP 500 - Introduction to Computer Programming	4	CP 500 - Introduction to Computer Programming	4

CP 2100 - C++ Programming I	4	CP 2100 - C++ Programming I	4
CP 2200 - C++ Programming II	4	CP 2200 - C++ Programming II	4
CIS 1200 - Introduction to Operating Systems	3	CIS 1200 - Introduction to Operating Systems	3
CIS 1500 - Applied Computer Architecture	3	CIS 1500 - Applied Computer Architecture	3
CIS 3100 - Introduction to Database	3	CIS 3100 - Introduction to Database	3
ACC 1100 – Fundamentals of Accounting I **or**	3 - 4	ACC 1100 – Fundamentals of Accounting I **or**	3 - 4
BA 1100 - Fundamentals of Business **or**		BA 1100 - Fundamentals of Business **or**	
BA 1200 - Business Law I		BA 1200 - Business Law I	
HE 1400 - Critical Issues in Personal Health	1	HE 1400 - Critical Issues in Personal Health	1
AND		AND	
Select three (3) courses from the following	12	**Select three (3) courses from the following**	12
CP 6200 - JAVA Programming 2 (CP 6200)	4	CP 6200 - JAVA Programming 2 (CP 6200)	4
CIS 2100 - Introduction to Webpage Development (CIS 2100)	4	CIS 2100 - Introduction to Webpage Development (CIS 2100)	4
CIS 2200 - HTML Authoring and JavaScript (CIS 2200)	4	CIS 2200 - HTML Authoring and JavaScript (CIS 2200)	4
CIS 3200 - Advanced Database Programming (CIS 3200)	4	CIS 3200 - Advanced Database Programming (CIS 3200)	4
CIS 4500 - Network Server Administration (CIS 4500)	4	CIS 4500 - Network Server Administration (CIS 4500)	4
ELECTIVES: **0 -2** credits sufficient to total 60 credits for the degree.		**ELECTIVES**: **0 -2** credits sufficient to total 60 credits for the degree.	
TOTAL:	60	**TOTAL:**	60
*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.		*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.	
^ Depending on Math placement, students may be required to complete MAT 900, and MAT 1400.		**^ Depending on Math placement, students may be required to complete MAT 900, or MAT 9B0, and MAT 1400.**	
2. A.S. Computer Science			
HEGIS: 5103.00			
Program Code: 01040			
Change: Degree Requirements			
FROM:		**TO:**	
CUNY CORE	**CREDITS**	**CUNY CORE**	**CREDITS**
REQUIRED CORE: (4 Courses, 12 Credits)	12	**REQUIRED CORE: (4 Courses, 12 Credits)**	12

When Required Core Courses are specified for a category, they are required for the major		When Required Core Courses are specified for a category, they are required for the major	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
Mathematical and Quantitative Reasoning* ^:	3	Mathematical and Quantitative Reasoning* ^:	3
MAT 900 - College Algebra^ or		MAT 900 - College Algebra^ or	
		MAT 9B0 - College Algebra for STEM Majors^ or	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or	
MAT 1500 – Calculus I		MAT 1500 – Calculus I	
Life and Physical Sciences	3	Life and Physical Sciences	3
FLEXIBLE CORE:	18	**FLEXIBLE CORE:**	18
When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.		When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.	
A. World Cultures and Global Issues		A. World Cultures and Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
E. Scientific World*^:		E. Scientific World*^:	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or	
MAT 1500 - Calculus I or		MAT 1500 - Calculus I or	
MAT 1600 - Calculus II		MAT 1600 - Calculus II	
AND		AND	
CS 1200 - Introduction to Computing		CS 1200 - Introduction to Computing	
Major Requirements (7 - 9 Courses, 24 - 30 Credits)		**Major Requirements (7 - 9 Courses, 24 - 30 Credits)**	
CS 13A0 - Advanced Programming Techniques	4	CS 13A0 - Advanced Programming Techniques	4
CS 1400 - Computer Organization and Assembly Language Programming	4	CS 1400 - Computer Organization and Assembly Language Programming	4
CS 3500 - Discrete Structures	3	CS 3500 - Discrete Structures	3
CS 3700 - Data Structures	3	CS 3700 - Data Structures	3
MAT 5600 - Linear Algebra	3	MAT 5600 - Linear Algebra	3
MAT 9100/BIO 9100 - Biostatistics **or**	4	MAT 9100/BIO 9100 - Biostatistics **or**	4
MAT 2200/BA 2200 - Business Statistics		MAT 2200/BA 2200 - Business Statistics	
If not taken for Required Core or Flexible Core:		If not taken for Required Core or Flexible Core:	
MAT 1500 - Calculus I	3	MAT 1500 - Calculus I	3
MAT 1600 - Calculus II	3	MAT 1600 - Calculus II	3

Select ONLY ONE (1) of the these two options below based on initial Mathematics Placement:**	3	Select ONLY ONE (1) of the these two options below based on initial Mathematics Placement:**	3
OPTION 1:		OPTION 1:	
If student's initial Mathematics Placement is below MAT 1500:		If student's initial Mathematics Placement is below MAT 1500:	
MAT 1000 - College Trigonometry^		MAT 1000 - College Trigonometry^	
OPTION 2:		OPTION 2:	
If student's initial Mathematics Placement is MAT 1500:		If student's initial Mathematics Placement is MAT 1500:	
MAT 2100 - Calculus III		MAT 2100 - Calculus III	
ELECTIVES: 0 - 6 credits sufficient to total 60 credits for the degree.		ELECTIVES: 0 - 6 credits sufficient to total 60 credits for the degree.	
TOTAL:	60	TOTAL:	60
*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.		*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.	
^ Depending on Math placement, students may be required to complete MAT 900, and/or MAT 1400, and/or MAT 1000.		**^ Depending on Math placement, students may be required to complete MAT 900, or MAT 9B0, and/or MAT 1400, and/or MAT 1000.**	
**Consultation with the Mathematics Department is HIGHLY recommended to ensure that the student selects the correct option.		**Consultation with the Mathematics Department is HIGHLY recommended to ensure that the student selects the correct option.	
3. A.S. Mathematics			
HEGIS: 5617.00			
Program Code: 01041			
Change: Degree Requirements			
FROM:		**TO:**	
CUNY CORE	**CREDITS**	**CUNY CORE**	**CREDITS**
REQUIRED CORE: (4 Courses, 12 Credits)	12	**REQUIRED CORE: (4 Courses, 12 Credits)**	12
When Required Core Courses are specified for a category, they are required for the major		When Required Core Courses are specified for a category, they are required for the major	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
Mathematical and Quantitative Reasoning*^:	3	Mathematical and Quantitative Reasoning*^:	3
MAT 900 - College Algebra^ or		MAT 900 - College Algebra^ or	
		MAT 9B0 - College Algebra for STEM Majors^ or	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or	

MAT 1500 - Calculus I		MAT 1500 - Calculus I	
Life and Physical Sciences	3	Life and Physical Sciences	3
FLEXIBLE CORE:	18	**FLEXIBLE CORE:**	18
When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.		When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.	
A. World Cultures and Global Issues		A. World Cultures and Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
E. Scientific World*^:		E. Scientific World*^:	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or	3	MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or	3
MAT 1500 - Calculus I or	3	MAT 1500 - Calculus I or	3
MAT 1600 - Calculus II	3	MAT 1600 - Calculus II	3
AND		AND	
CS 1200 - Introduction to Computing	3	CS 1200 - Introduction to Computing	3
Major Requirements (8-10 Courses, 24 - 30 Credits)		Major Requirements (8-10 Courses, 24 - 30 Credits)	
MAT 2100 - Calculus III	3	MAT 2100 - Calculus III	3
MAT 5500 - Differential Equations	3	MAT 5500 - Differential Equations	3
MAT 5600 - Linear Algebra	3	MAT 5600 - Linear Algebra	3
MAT 9100/BIO 9100 - Biostatistics or	4	MAT 9100/BIO 9100 - Biostatistics or	4
MAT 2200/BA 2200 - Business Statistics		MAT 2200/BA 2200 - Business Statistics	
CS 3500 - Discrete Structures	3	CS 3500 - Discrete Structures	3
MAT 3000 Introduction to Mathematical Concepts in Proof	1	MAT 3000 Introduction to Mathematical Concepts in Proof	1
If not taken for Required Core or Flexible Core:		If not taken for Required Core or Flexible Core:	
MAT 1500 - Calculus I	3	MAT 1500 - Calculus I	3
MAT 1600 - Calculus II	3	MAT 1600 - Calculus II	3
Select ONLY ONE (1) of the these two options below based on initial Mathematics Placement: **	7-8	Select ONLY ONE (1) of the these two options below based on initial Mathematics Placement: **	7-8
OPTION 1:		OPTION 1:	
If student's initial Mathematics Placement is below MAT 1500:		If student's initial Mathematics Placement is below MAT 1500:	
MAT 1000 - College Trigonometry^	3	MAT 1000 - College Trigonometry^	3
AND		AND	
Select one (1) course from the following:		Select one (1) course from the following:	
CS 13A0 - Advanced Programming Techniques	4	CS 13A0 - Advanced Programming Techniques	4
MAT 1100 - Finite Mathematics	4	MAT 1100 - Finite Mathematics	4
MAT 3200 - Introduction to Set Theory	4	MAT 3200 - Introduction to Set Theory	4

MAT 7100 - Applications of Linear Algebra and Vector Analysis	4	MAT 7100 - Applications of Linear Algebra and Vector Analysis	4
OPTION 2:		OPTION 2:	
If student's initial Mathematics Placement is MAT 1500:		If student's initial Mathematics Placement is MAT 1500:	
Select two (2) courses from the following:	4	Select two (2) courses from the following:	4
CS 13A0 - Advanced Programming Techniques	4	CS 13A0 - Advanced Programming Techniques	4
MAT 1100 - Finite Mathematics	4	MAT 1100 - Finite Mathematics	4
MAT 3200 - Introduction to Set Theory	4	MAT 3200 - Introduction to Set Theory	4
MAT 7100 - Applications of Linear Algebra and Vector Analysis	4	MAT 7100 - Applications of Linear Algebra and Vector Analysis	4
ELECTIVES: 0 - 6 credits sufficient to total 60 credits for the degree.	0 - 6	**ELECTIVES:** 0 - 6 credits sufficient to total 60 credits for the degree.	0 - 6
TOTAL:	60	**TOTAL:**	60
*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.		*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.	
^ Depending on Math placement, students may be required to complete MAT 900, and/or MAT 1400 and MAT 1000.		**^ Depending on Math placement, students may be required to complete MAT 900, or MAT 9B0, and/or MAT 1400 and MAT 1000.**	
**Consultation with the Mathematics Department is HIGHLY recommended to ensure that the student selects the correct option.		**Consultation with the Mathematics Department is HIGHLY recommended to ensure that the student selects the correct option.	
Department of Physical Sciences			
1. A.S. Chemistry			
HEGIS: 5619.00			
Program Code: 01043			
Change: Degree Requirements			
FROM:		**TO:**	
CUNY CORE	CREDITS	**CUNY CORE**	CREDITS
REQUIRED CORE: (4 Courses, 13Credits)	**13**	**REQUIRED CORE:** (4 Courses, 13Credits)	**13**
When Required Core Courses are specified for a category, they are required for the major		When Required Core Courses are specified for a category, they are required for the major	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
Mathematical and Quantitative Reasoning*:	3	Mathematical and Quantitative Reasoning*:	3
		MAT 9B0 - College Algebra for STEM Majors or	

MAT 900 - College Algebra or		MAT 900 - College Algebra or	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or	
MAT 1500 – Calculus I		MAT 1500 – Calculus I	
Life and Physical Sciences*:	4	Life and Physical Sciences*:	4
CHM 1100 - General Chemistry I		CHM 1100 - General Chemistry I	
FLEXIBLE CORE: (6 Courses, 20 Credits)	**20**	**FLEXIBLE CORE**: (6 Courses, 20 Credits)	**20**
When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.		When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.	
A. World Cultures and Global Issues		A. World Cultures and Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
E. Scientific World*:		E. Scientific World*:	
CHM 1200 - General Chemistry II		CHM 1200 - General Chemistry II	
PHY 1300 – Advanced General Physics I		PHY 1300 – Advanced General Physics I	
DEPARTMENT REQUIREMENTS (7 Courses, 26 - 27 Credits)		**DEPARTMENT REQUIREMENTS** (7 Courses, 26 - 27 Credits)	
Additional Physical Sciences Requirements (3 Courses, 14 Credits)	**14**	Additional Physical Sciences Requirements (3 Courses, 14 Credits)	**14**
CHM 3100 – Organic Chemistry I	5	CHM 3100 – Organic Chemistry I	5
CHM 3200 – Organic Chemistry II	5	CHM 3200 – Organic Chemistry II	5
PHY 1400 – Advanced General Physics II	4	PHY 1400 – Advanced General Physics II	4
Additional Mathematics Requirements (2 Courses, 6 Credits)	**6**	Additional Mathematics Requirements (2 Courses, 6 Credits)	**6**
Select Two (2) additional courses beyond the Mathematical and Quantitative Reasoning (MQR) course from the following:		Select Two (2) additional courses beyond the Mathematical and Quantitative Reasoning (MQR) course from the following:	
MAT 1000 - College Trigonometry^		MAT 1000 - College Trigonometry^	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics (Recommended)		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics (Recommended)	
MAT 1500 - Calculus I (Recommended)		MAT 1500 - Calculus I (Recommended)	
MAT 1600 - Calculus II (Recommended)		MAT 1600 - Calculus II (Recommended)	
MAT 2100 - Calculus III		MAT 2100 - Calculus III	
MAT 5500 - Differential Equations		MAT 5500 - Differential Equations	
MAT 5600 - Linear Algebra		MAT 5600 - Linear Algebra	
Additional Science and Mathematics Electives (2 Courses, 6 - 7 Credits)	**6 to 7**	Additional Science and Mathematics Electives (2 Courses, 6 - 7 Credits)	**6 to 7**
Elective Credits in CHM, CS, EGR, EPS, MAT, PHY, or SCI		Elective Credits in CHM, CS, EGR, EPS, MAT, PHY, or SCI	

ELECTIVES: 0 - 1 credits sufficient to meet the required total 60 credits for the degree.	0 to 1	**ELECTIVES:** 0 - 1 credits sufficient to meet the required total 60 credits for the degree.	0 to 1
TOTAL CREDITS: 60	60	**TOTAL CREDITS: 60**	60
*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.		*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.	
^ Depending on Math placement, students may be required to select MAT 1000		^ Depending on Math placement, students may be required to select MAT 1000	
2. A.S. Earth and Planetary Sciences			
HEGIS: 5499.00			
Program Code: 34242			
Change: Degree Requirements			
FROM:		**TO:**	
CUNY CORE	**CREDITS**	**CUNY CORE**	**CREDITS**
REQUIRED CORE: (4 Courses, 13 Credits)	**13**	**REQUIRED CORE:** (4 Courses, 13 Credits)	**13**
When Required Core Courses are specified for a category, they are required for the major		When Required Core Courses are specified for a category, they are required for the major	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
Mathematical & Quantitative Reasoning*:	3	Mathematical & Quantitative Reasoning*:	3
		MAT 9B0 - College Algebra for STEM Majors or	
MAT 900 - College Algebra or		MAT 900 - College Algebra or	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or	
MAT 1500 – Calculus I		MAT 1500 – Calculus I	
Life and Physical Sciences*:	4	Life and Physical Sciences*:	4
CHM 1100 - General Chemistry I		CHM 1100 - General Chemistry I	
FLEXIBLE CORE: (6 Courses, 20 Credits)	**20**	**FLEXIBLE CORE:** (6 Courses, 20 Credits)	**20**
When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.		When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.	
A. World Cultures and Global Issues		A. World Cultures and Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
E. Scientific World*:		E. Scientific World*:	
EPS 3100 - Meteorology		EPS 3100 - Meteorology	
EPS 3800 – Introduction to Earth Science		EPS 3800 – Introduction to Earth Science	

DEPARTMENT REQUIREMENTS (7 Courses, 26 Credits)	26	DEPARTMENT REQUIREMENTS (7 Courses, 26 Credits)	26
Additional Physical Sciences Requirements (5 Courses, 20 Credits)		Additional Physical Sciences Requirements (5 Courses, 20 Credits)	
EPS 3200 – Oceanography	4	EPS 3200 – Oceanography	4
EPS 3300 – Physical Geography	4	EPS 3300 – Physical Geography	4
EPS 3500 – Astronomy	4	EPS 3500 – Astronomy	4
EPS 3600 – Planetology	4	EPS 3600 – Planetology	4
PHY 1100 – General Physics I	4	PHY 1100 – General Physics I	4
Additional Mathematics Requirements (2 Courses, 6 Credits)	6	Additional Mathematics Requirements (2 Courses, 6 Credits)	6
Select Two (2) additional courses beyond the Mathematical and Quantitative Reasoning (MQR) course from the following:		Select Two (2) additional courses beyond the Mathematical and Quantitative Reasoning (MQR) course from the following:	
MAT 1000 - College Trigonometry^		MAT 1000 - College Trigonometry^	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics (Recommended)		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics (Recommended)	
MAT 1500 - Calculus I (Recommended)		MAT 1500 - Calculus I (Recommended)	
MAT 1600 - Calculus II (Recommended)		MAT 1600 - Calculus II (Recommended)	
MAT 2100 - Calculus III		MAT 2100 - Calculus III	
MAT 5500 - Differential Equations		MAT 5500 - Differential Equations	
MAT 5600 - Linear Algebra		MAT 5600 - Linear Algebra	
ELECTIVES: 1 credit sufficient to meet the required total 60 credits for the degree.	1	ELECTIVES: 1 credit sufficient to meet the required total 60 credits for the degree.	1
TOTAL CREDITS: 60	60	TOTAL CREDITS: 60	60
*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.		*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.	
^ Depending on Math placement, students may be required to select MAT 1000		^ Depending on Math placement, students may be required to select MAT 1000	
3. A.S. Engineering Science			
HEGIS: 5609.00			
Program Code: 87212			
Change: Degree Requirements			
FROM:		TO:	
CUNY CORE	CREDITS	CUNY CORE	CREDITS
REQUIRED CORE: (4 Courses, 13 Credits)	13	REQUIRED CORE: (4 Courses, 13 Credits)	13

When Required Core Courses are specified for a category, they are required for the major		When Required Core Courses are specified for a category, they are required for the major	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
Mathematical & Quantitative Reasoning*:	3	Mathematical & Quantitative Reasoning*:	3
		MAT 9B0 - College Algebra for STEM Majors or	
MAT 900 - College Algebra or		MAT 900 - College Algebra or	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics or		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics or	
MAT 1500 – Calculus I		MAT 1500 – Calculus I	
Life and Physical Sciences*:	4	Life and Physical Sciences*:	4
CHM 1100 - General Chemistry I		CHM 1100 - General Chemistry I	
FLEXIBLE CORE: (6 Courses, 20 Credits)	**20**	**FLEXIBLE CORE:** (6 Courses, 20 Credits)	**20**
When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.		When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.	
A. World Cultures and Global Issues		A. World Cultures and Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
E. Scientific World*:		E. Scientific World*:	
CHM 1200 - General Chemistry II		CHM 1200 - General Chemistry II	
PHY 1300 – Advanced General Physics I		PHY 1300 – Advanced General Physics I	
DEPARTMENT REQUIREMENTS (9 to 12 Courses, 28 to 37 Credits)	**28 - 37**	**DEPARTMENT REQUIREMENTS** (9 to 12 Courses, 28 to 37 Credits)	**28 - 37**
Additional Physical Sciences Requirements (4 Courses, 13 Credits)	**13**	Additional Physical Sciences Requirements (4 Courses, 13 Credits)	**13**
PHY 1400 – Advanced General Physics II	4	PHY 1400 – Advanced General Physics II	4
EGR 2100 – Engineering Design	3	EGR 2100 – Engineering Design	3
EGR 2200 – Introduction to Electrical Engineering	3	EGR 2200 – Introduction to Electrical Engineering	3
EGR 2300 – Introduction to Engineering Thermodynamics	3	EGR 2300 – Introduction to Engineering Thermodynamics	3
Additional Mathematics Requirements (5 - 8 Courses, 15 - 24 Credits)	**15 - 24**	Additional Mathematics Requirements (5 - 8 Courses, 15 - 24 Credits)	**15 - 24**
Select five (5) to eight (8) additional courses beyond the Mathematical and Quantitative Reasoning (MQR) course from the following:		Select five (5) to eight (8) additional courses beyond the Mathematical and Quantitative Reasoning (MQR) course from the following:	
CS 1200 – Introduction to Computing		CS 1200 – Introduction to Computing	
MAT 1000 - College Trigonometry^		MAT 1000 - College Trigonometry^	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics (Recommended)		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics (Recommended)	

MAT 1500 - Calculus I (Recommended)		MAT 1500 - Calculus I (Recommended)	
MAT 1600 - Calculus II (Recommended)		MAT 1600 - Calculus II (Recommended)	
MAT 2100 - Calculus III		MAT 2100 - Calculus III	
MAT 5500 - Differential Equations		MAT 5500 - Differential Equations	
MAT 5600 - Linear Algebra		MAT 5600 - Linear Algebra	
ELECTIVES: 0 credits sufficient to meet the required total of 61 to 70 credits for the degree.	**0**	**ELECTIVES:** 0 credits sufficient to meet the required total of 61 to 70 credits for the degree.	**0**
TOTAL CREDITS: 61 - 70	**61 - 70**	**TOTAL CREDITS:** 61 - 70	**61 - 70**
*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.		*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.	
^ Depending on Math placement, students may be required to select MAT 1000		^ Depending on Math placement, students may be required to select MAT 1000	
4. A.S. Physics			
HEGIS: 5619.00			
Program Code: 01042			
Change: Degree Requirements			
FROM:		**TO:**	
CUNY CORE	**CREDITS**	**CUNY CORE**	**CREDITS**
REQUIRED CORE: (4 Courses, 13 Credits)	**13**	**REQUIRED CORE:** (4 Courses, 13 Credits)	**13**
When Required Core Courses are specified for a category, they are required for the major		When Required Core Courses are specified for a category, they are required for the major	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
Mathematical & Quantitative Reasoning*:	4	Mathematical & Quantitative Reasoning*:	4
Mathematical and Quantitative Reasoning*:	3	Mathematical and Quantitative Reasoning*:	3
		MAT 9B0 - College Algebra for STEM Majors or	
MAT 900 - College Algebra or		MAT 900 - College Algebra or	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics or		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics or	
MAT 1500 – Calculus I		MAT 1500 – Calculus I	
Life and Physical Sciences*:	4	Life and Physical Sciences*:	4
CHM 1100 - General Chemistry I		CHM 1100 - General Chemistry I	
FLEXIBLE CORE: (6 Courses, 20 Credits)	**20**	**FLEXIBLE CORE:** (6 Courses, 20 Credits)	**20**

When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.		When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.	
A. World Cultures and Global Issues		A. World Cultures and Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	
C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
E. Scientific World*:		E. Scientific World*:	
CHM 1200 - General Chemistry II		CHM 1200 - General Chemistry II	
PHY 1300 – Advanced General Physics I		PHY 1300 – Advanced General Physics I	
DEPARTMENT REQUIREMENTS (8 Courses, 26 to 27 Credits)	**26-27**	**DEPARTMENT REQUIREMENTS** (8 Courses, 26 to 27 Credits)	**26-27**
Additional Physical Sciences Requirements (4 Courses, 14 Credits)	**14**	Additional Physical Sciences Requirements (4 Courses, 14 Credits)	**14**
PHY 1400 – Advanced General Physics II	4	PHY 1400 – Advanced General Physics II	4
EGR 2200 – Introduction to Electrical Engineering	3	EGR 2200 – Introduction to Electrical Engineering	3
EGR 2300 – Introduction to Engineering Thermodynamics	3	EGR 2300 – Introduction to Engineering Thermodynamics	3
Select one (1) from the following:	4	Select one (1) from the following:	4
EPS 3100 - Meteorology		EPS 3100 - Meteorology	
EPS 3200 - Oceanography		EPS 3200 - Oceanography	
EPS 3300 - Physical Geology		EPS 3300 - Physical Geology	
EPS 3500 - Introduction to Astronomy		EPS 3500 - Introduction to Astronomy	
EPS 3600 - Planetology: A Trip Through the Solar System		EPS 3600 - Planetology: A Trip Through the Solar System	
EPS 3800 - Introduction to Earth Science		EPS 3800 - Introduction to Earth Science	
Additional Mathematics Requirements (2 Courses, 6 Credits)	**6**	Additional Mathematics Requirements (2 Courses, 6 Credits)	**6**
Select Two (2) additional courses beyond the Mathematical and Quantitative Reasoning (MQR) course from the following:		Select Two (2) additional courses beyond the Mathematical and Quantitative Reasoning (MQR) course from the following:	
MAT 1000 - College Trigonometry^		MAT 1000 - College Trigonometry^	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics (Recommended)		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics (Recommended)	
MAT 1500 - Calculus I (Recommended)		MAT 1500 - Calculus I (Recommended)	
MAT 1600 - Calculus II (Recommended)		MAT 1600 - Calculus II (Recommended)	
MAT 2100 - Calculus III		MAT 2100 - Calculus III	
MAT 5500 - Differential Equations		MAT 5500 - Differential Equations	
MAT 5600 - Linear Algebra		MAT 5600 - Linear Algebra	
Additional Science and Mathematics Electives (2 Courses, 6 to 7 Credits)	**6 -7**	Additional Science and Mathematics Electives (2 Courses, 6 to 7 Credits)	**6 -7**

Elective Credits in CHM, CS, EGR, EPS, MAT, PHY, or SCI		Elective Credits in CHM, CS, EGR, EPS, MAT, PHY, or SCI	
ELECTIVES: 0 - 1 credits sufficient to meet the required total 60 credits for the degree.	**0 - 1**	**ELECTIVES:** 0 - 1 credits sufficient to meet the required total 60 credits for the degree.	**0 - 1**
TOTAL CREDITS: 60	60	**TOTAL CREDITS: 60**	60
*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.		*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.	
^ Depending on Math placement, students may be required to select MAT 1000		^ Depending on Math placement, students may be required to select MAT 1000	
5. A.S. Science for Forensics			
HEGIS: 5619.00			
Program Code: 34472			
Change: Degree Requirements			
FROM:		**TO:**	
CUNY CORE	**CREDITS**	**CUNY CORE**	**CREDITS**
REQUIRED CORE: (4 Courses,13 Credits)	**13**	**REQUIRED CORE:** (4 Courses,13 Credits)	**13**
When Required Core Courses are specified for a category, they are required for the major		When Required Core Courses are specified for a category, they are required for the major	
ENG 1200 - Composition I	3	ENG 1200 - Composition I	3
ENG 2400 - Composition II	3	ENG 2400 - Composition II	3
Mathematical & Quantitative Reasoning*:	3	Mathematical & Quantitative Reasoning*:	3
		MAT 9B0 - College Algebra for STEM Majors or	
MAT 900 - College Algebra or		MAT 900 - College Algebra or	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics or		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics or	
MAT 1500 – Calculus I		MAT 1500 – Calculus I	
Life and Physical Sciences*:	4	Life and Physical Sciences*:	4
BIO 1300 - General Biology I		BIO 1300 - General Biology I	
FLEXIBLE CORE: (6 Courses, 20 Credits)	**20**	**FLEXIBLE CORE:** (6 Courses, 20 Credits)	**20**
When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.		When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.	
A. World Cultures and Global Issues		A. World Cultures and Global Issues	
B. U.S. Experience In Its Diversity		B. U.S. Experience In Its Diversity	

C. Creative Expression		C. Creative Expression	
D. Individual & Society		D. Individual & Society	
E. Scientific World*:		E. Scientific World*:	
BIO 1400 - General Biology II		BIO 1400 - General Biology II	
CHM 1100 – General Chemistry I		CHM 1100 – General Chemistry I	
DEPARTMENT REQUIREMENTS (6 Courses, 25 Credits)	**25**	**DEPARTMENT REQUIREMENTS** (6 Courses, 25 Credits)	**25**
A cumulative grade point average of 2.50 or above, which includes BIO 1300 , BIO 1400, and CHM 1100 as well as the following Physical Science Courses is required:		*A cumulative grade point average of 2.50 or above, which includes BIO 1300 , BIO 1400, and CHM 1100 as well as the following Physical Science Courses is required:*	
Additional Physical Sciences Requirements (5 Courses, 22 Credits)	**22**	Additional Physical Sciences Requirements (5 Courses, 22 Credits)	**22**
CHM 1200 – General Chemistry II	4	CHM 1200 – General Chemistry II	4
CHM 3100 – Organic Chemistry I	5	CHM 3100 – Organic Chemistry I	5
CHM 3200 – Organic Chemistry II	5	CHM 3200 – Organic Chemistry II	5
PHY 1300 – Advanced General Physics I	4	PHY 1300 – Advanced General Physics I	4
PHY 1400 – Advanced General Physics II	4	PHY 1400 – Advanced General Physics II	4
Additional Mathematics Requirement (1 Course, 3 Credits)	**3**	Additional Mathematics Requirement (1 Course, 3 Credits)	**3**
Select one (1) additional course beyond the Mathematical and Quantitative Reasoning (MQR) course from the following:		Select one (1) additional course beyond the Mathematical and Quantitative Reasoning (MQR) course from the following:	
MAT 1000 - College Trigonometry^		MAT 1000 - College Trigonometry^	
MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics (Recommended)		MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics (Recommended)	
MAT 1500 - Calculus I (Recommended)		MAT 1500 - Calculus I (Recommended)	
MAT 1600 - Calculus II (Recommended)		MAT 1600 - Calculus II (Recommended)	
ELECTIVES: 2 credits sufficient to meet the required total 60 credits for the degree.	**2**	**ELECTIVES:** 2 credits sufficient to meet the required total 60 credits for the degree.	**2**
Completion of MAT 1600 - Calculus II is HIGHLY recommended		Completion of MAT 1600 - Calculus II is HIGHLY recommended	
TOTAL CREDITS: 60	60	**TOTAL CREDITS: 60**	60
*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.		*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.	
^ Depending on Math placement, students may be required to select MAT 1000		^ Depending on Math placement, students may be required to select MAT 1000	
NEW COURSES			
Department of Behavioral Sciences			
1. EDC 2400, Teaching Emergent Bilinguals			

Prerequisite: EDC 200			
Corequisite: NONE			
Pre-/Co-requisite: NONE			
Credits: 3			
Equated Credits: N/A			
Hours: 3 hours lecture			

Course Description: This course explores language acquisition theories, the historical, philosophical, and pedagogical evolution of how educational institutions have approached their work with emergent bilinguals, and pedagogical strategies for teaching emergent bilinguals. It focuses on the role of educators in supporting emergent bilinguals' learning language and literacy across content.

Department of Communication and Performing Arts

1. SPE 1700, Introduction to Linguistics

Prerequisite: NONE			
Corequisite: NONE			
Pre-/Co-requisite: NONE			
Credits: 4			
Equated Credits: N/A			
Hours: 4 hours lecture			

Course Description: Introduction to the scientific study of language, including the analysis of word, sentence, and sound structure. This survey course presents some of the major areas of the formal study of linguistics, including morphology, phonetics, phonology, syntax and semantics. In addition, this course introduces the applied fields of language acquisition and sociolinguistics.

2. SPE 1800, Health Communication

Prerequisite: NONE			
Corequisite: NONE			
Pre-/Co-requisite: NONE			
Credits: 3			
Equated Credits: N/A			
Hours: 3 hours lecture			

Course Description: Health communication is a field of study that encompasses theories, research, and applications of the symbolic processes by which people, both individually and collectively, understand, share ideas about, and accommodate to health and illness. This course is designed to introduce students to a wide range of scholarship in health communication beginning with a basic introduction to the field of health communication and then moving through the key topics, definitions, theories and perspectives. The course will examine how individuals' health behavior is framed by the contexts and modes in which we communicate including narratives, individual, interpersonal, art, organizational, community, media, cultural and public policies. Students will learn the basics of clear, purposeful and compassionate communication across multiple channels, strengthening their health literacy skills and by becoming more informed health citizens.

3. SPE 1900, Family Communication

Prerequisite: NONE			
Corequisite: NONE			
Pre-/Co-requisite: NONE			
Credits: 3			
Equated Credits: N/A			
Hours: 3 hours lecture			

Course Description: Family provides some of our first communication experiences, it can shape our communication perspectives, and it also presents us with communication challenges. This course explores the communication processes and functions of the family with focus on key family communication and relationship experiences (e.g., sibling relationships, power dynamics, family stories/identity, illness/crisis, marriage, divorce, negotiating gender, culture, and sexuality). The concept of family is continually evolving so this course will use diverse, practical, and critical perspectives informed by current scholarship for thinking through issues related to family communication.

Department of Mathematics and Computer Science

1. MAT 9B0, College Algebra for STEM Majors

Prerequisite: (1) Successful completion of CUNY Mathematics remediation; or (2) Math Proficient per CUNY Guidelines

Corequisite: NONE

Pre-/Co-requisite: NONE

Credits: 3

Equated Credits: N/A

Hours: 6 hours laboratory

Course Description: A comprehensive treatment of the following: real numbers, absolute value, integer and rational exponents, polynomial operations, factoring techniques, roots and radicals, linear and quadratic equations, graphing techniques, systems of linear equations, Gaussian elimination. Introduces the study of functions in preparation for the study of calculus and pre-calculus.

Department of Physical Sciences

1. SCI 9201 - Research I

Prerequisite: Department Permission Required

Corequisite: NONE

Pre-/Co-requisite: NONE

Credits: 1, 2, or 3

Equated Credits: N/A

Hours: 2, 4, or 6 hours laboratory

Course Description: Planning and carrying out a undergraduate research project under supervision of a faculty member including literature readings, laboratory work, conferences with faculty member, and presentation of research results.

2. SCI 9202 - Research II

Prerequisite: Department Permission Required

Corequisite: NONE

Pre-/Co-requisite: NONE

Credits: 1, 2, or 3

Equated Credits: N/A

Hours: 2, 4, or 6 hours laboratory

Course Description: Planning and carrying out a undergraduate research project under supervision of a faculty member including literature readings, laboratory work, conferences with faculty member, and presentation of research results.

3. SCI 9203 - Research III

Prerequisite: Department Permission Required

Corequisite: NONE

Pre-/Co-requisite: NONE

Credits: 1, 2, or 3

Equated Credits: N/A

Hours: 2, 4, or 6 hours laboratory			
Course Description: Planning and carrying out a undergraduate research project under supervision of a faculty member including literature readings, laboratory work, conferences with faculty member, and presentation of research results.			
4. SCI 9204 - Research IV			
Prerequisite: Department Permission Required			
Corequisite: NONE			
Pre-/Co-requisite: NONE			
Credits: 1, 2, or 3			
Equated Credits: N/A			
Hours: 2, 4, or 6 hours laboratory			
Course Description: Planning and carrying out a undergraduate research project under supervision of a faculty member including literature readings, laboratory work, conferences with faculty member, and presentation of research results.			
COURSES FOR PATHWAYS APPROVAL			
Department of Communication and Performing Arts			
1. SPE 1800, Health Communications, Flexible Core: Individual and Society (Group D)		**Pathways Form Included under New Course Proposal**	
2. SPE 1900, Family Communications, Flexible Core: Individual and Society (Group D)		**Pathways Form Included under New Course Proposal**	
****INFORMATIONAL ITEMS FOR COLLEGE COUNCIL ***			
CHANGES IN EXISTING COURSES			
Department of Allied Health, Mental Health and Human Services			
Change: Course Description and Corequisite:			
1. SAC 2000, Introduction to Alcoholism and Substance Abuse Counseling			
FROM:		**TO:**	
Overview of core concepts in chemical dependency. Physical, psychological and legal aspects of alcohol and substance abuse. A variety of treatment approaches will be explored with particular attention to the special needs of this population along with counselor qualifications and skills.		**Students are provided with an** overview of core concepts in chemical dependency. **Students are introduced to the physiological**, psychological, **social/emotional, cultural, spiritual, political and economic influences on the development of substance use disorders**. **Basic theories, stages of chemical dependency, stages of recovery, and the continuum of services are discussed. Students also develop basic skills in identifying the signs and symptoms of the common substances of abuse, and their effects on the brain, body and behavior. Students are exposed to concepts related to the recovery oriented systems of care (ROSC), mutual/peer support and non-traditional interventions such as acupuncture.**	

FROM:		TO:	
Corequisite: NONE		Corequisite: **SAC 2200**	
Change: Course Title, Description, and Pre-/Co-requisite:			
2. SAC 2200, Counseling Techniques In Substance Abuse Field I			
FROM:		TO:	
Counseling Techniques In Substance Abuse Field I		**Basic** Techniques in Substance Abuse **Counseling** I	
FROM:		TO:	
Students will learn the communication skills necessary to engage the substance abuse client, from the basic screening process through discharge planning. Major evaluation instruments and interview techniques will be introduced and students will learn to develop and evaluate client treatment planning and assessment histories.		**Students are introduced to a range of interpersonal communication techniques that are critical to engaging, assessing and overall treating the client, and to the major standardized screening and evaluation tools. Focus is placed on the practical/experiential integration of interpersonal techniques and best practices to partner with the client to conduct screenings, intakes and thorough psychosocial assessments. Students also work on developing client-centered treatment/recovery and discharge plans that prepare the client for long-term stabilization. Implementation of the treatment/recovery plan is also stressed with students getting the opportunity to simulate engaging clients from various cultural backgrounds in individual sessions. Students will learn and apply evidence-based practices including the Trans-Theoretical Model (TTM), Motivational Interviewing (MI), Motivational Enhancement Therapy (MET) and Cognitive Behavioral Therapy (CBT). Emphasis is placed on accuracy and precision in documentation.**	
FROM:		TO:	
Pre-/Co-requisite: SAC 2000		Pre-/Co-requisite: **NONE**	
Corequisite: NONE		Corequisite: **SAC 2000**	
Change: Course Title, Description, and Prerequisite:			
3. SAC 2400, Counseling Techniques in the Substance Abuse Field II			
FROM:		TO:	
Counseling Techniques in the Substance Abuse Field II		**Basic** Techniques in Substance Abuse **Counseling** II	
FROM:		TO:	

Continuation of Counseling Techniques I and provides students with more advanced skills in working with the chemically dependent client. Personality and behavioral problems, HIV/AIDS, relapse prevention and vocational/educational concerns will be addressed.		**Students are provided with the opportunity to learn more advanced skills in counseling including developing and facilitating a group. Basic theoretical and practical foundations of group work and its application to chemical dependency is emphasized. Special issues that may arise with persons diagnosed with substance use disorders (HIV/AIDS, mental illness, mandated clients, physical challenges, cultural barriers, etc.) are covered with a focus on skill-learning and techniques to facilitate therapeutic change. Relapse prevention training and addressing vocational-educational barriers to long-term recovery are also emphasized within the context of motivational interviewing, stages of change, and other prominent relapse prevention counseling theories. Documentation of group work will be practiced, continuing the principles and techniques learned in SAC 2200.**	
FROM:		**TO:**	
Prerequisite: SAC 2200		Prerequisite: **SAC 2000 and** SAC 2200	
Change: Course Title, Description, and Pre-/Co-requisite:			
4. SAC 2600, Confidentiality, Ethics and the Counselor/Client Relationship in Substance Abuse Counseling			
FROM:		**TO:**	
Confidentiality, Ethics, and the Counselor/Client Relationship in Substance Abuse Counseling		Ethics, Confidentiality and the **Counselor-Client** Relationship in Substance Abuse **Treatment**	
FROM:		**TO:**	
Confidentiality regulations from both Federal and State law for the protection of substance abuse clients are discussed with emphasis on disclosure exceptions and the proper handling of written and verbal communications regarding clients. Required for any student seeking assistance with an internship placement.		**The specific mandates of 42 CFR, Part II are covered as they relate to the counselor's experience in an agency setting. Recent developments in 45 CFR Parts 160 & 164, which impact the substance abuse confidentiality regulations are explored and applied to clinical practice. Confidentiality and Privacy, as it is written for HIV/AIDS patients, is incorporated. Codes of ethics that apply to CASAC counselors are discussed with an emphasis on critical thinking in the resolution of common ethical dilemmas. The counselor-client relationship with its professional and ethical responsibilities are stressed, including with regard to mandatory reporting; access to care and funding/block grant requirements; and use of new/emerging**	

FROM:		TO:	
Pre-/Co-requisite: SAC 2200		Pre-/Co-requisite: **NONE**	
		Prerequisite: **SAC 2000 and SAC 2200**	

Change: Course Description, Prerequisite, and Corequisite:
5. SAC 2800, Behavioral Health Care Treatment Approaches

FROM:		**TO:**	
Overview of treatment is covered as well as a review of the roles filled by counselors in each modality and setting. Client case examples provide practical instruction in the use of these treatment settings.		**The course provides an overview of the historical approach to treating addiction/behavioral health issues in the United States from the Revolutionary War to the present. The impact of the social, medical, legal and cultural climate on the public and professional view of chemical dependency is addressed. Students will critically assess the strengths and limitations of each modality with regard to the current treatment network, including with regard to its philosophical orientation, prevailing attitudes, and the roles of both professionals and recovering persons.**	
FROM:		**TO:**	
Prerequisite: SAC 2000		Prerequisite: SAC 2000 **and SAC 2200**	
Corequisite: SAC 2200		Corequisite: **NONE**	

Change: Course Description, Prerequisite, and Pre-/Co-requisite:
6. SAC 3000, Compulsive Gambling: Treatment and Prevention for Substance Abuse Counselors

FROM:		**TO:**	
An overview of the history of wagering and its prevalence in today's society. Various forms of gambling are explored in particular relationship to substance abusing behavior. Sample cases are discussed, prevention principles and practice in assessment and referral are included.		**Students develop an understanding of gambling as a compulsive behavior often associated with substance use disorders. The historical phenomenon of wagering and its prevalence as a societal problem is explored. Clinical counseling and professional intervention with individuals and families are stressed, including assessment, treatment planning, referral/case management, as well as family and patient education. Evidence-based principles for prevention and intervention are also explored. This course also meets the eligibility criteria for the gambling designation – CASAC G, once other practice and supervised experience guidelines are met.**	

FROM:		TO:	
Prerequisite: SAC 2000		Prerequisite: SAC 2000 **and SAC 2200**	
Pre-/Co-requisite: SAC 2200		Pre-/Co-requisite: **NONE**	
Change: Course Description, Prerequisite and Corequisite:			
7. SAC 3200, Addiction and the Family			
FROM:		TO:	
This course explores the variety of familial issues that arise in families faced with a member who is struggling with a substance use disorder. Basic family functions/roles and how these are impacted by addiction are discussed. Theories on the family/how these can be applied to understanding family addiction (including systems, addicted family model, psychodynamic, functionalist, feminist) are included. Stages of family use and how these impact communication patterns and the adaptive family roles and their relationship with development of an ACOA syndrome are covered.		**This course provides students with instruction in the interpersonal and behavioral dynamics of addiction in the family. Students are introduced to a variety of family theories and models that can be used in assessment and treatment. The bio-psycho-social-environmental effects of addiction on the family are examined. Critical elements in screening, assessment, treatment/discharge and relapse prevention planning, crisis intervention and case management are reviewed and students practice basic skills needed to work with families as individuals and in family groups. Students are introduced to prevalent evidence–based approaches and emphasis is placed on cultural factors and on special issues including that related to military families, co-occurring disorders, domestic violence and others. Practice in delivering addiction materials as psycho-educational interventions to families is also addressed.**	
FROM:		TO:	
Corequisite: SAC 2000		Corequisite: **NONE**	
Prerequisite: NONE		Prerequisite: **SAC 2000 and SAC 2200**	
Change: Course Description, Prerequisite, and Pre-/Co-requisite:			
8. SAC 091A, Substance Abuse Counseling - Field Internship I			
FROM:		TO:	

Students participate in counseling activities with program clients, supervision meetings and other professional activities at NYS licensed treatment agencies under the supervision of both program staff and college faculty.		**This is Part I of the final course in the CASAC credentialing sequence. All students in this class are interning in a New York State-Office of Addiction Supports and Services (NYS-OASAS) licensed facility for two-days weekly (12 hours). Student**s participate in counseling activities with program clients, **group observations, co-facilitation, interdisciplinary treatment team and** supervision meetings, and other professional activities at NYS licensed treatment agencies under the supervision of both program staff and college faculty. **Students may also participate in group supervision that reinforces the core competencies and integration of the classroom and field internship content. Emphasis is placed on ethical, professional comportment and clinical skills development.**	
FROM:		**TO:**	
Prerequisite: SAC 2000, SAC 2200, and SAC 2600		Prerequisite: SAC 2000, SAC 2200, and SAC 2600	
Pre-/Co-requisite: SAC 2400 and SAC 2800		Pre-/Co-requisite: **NONE**	
Change: Course Description, Prerequisite, and Pre-/Co-requisite:			
9. SAC 091B, Substance Abuse Counseling - Field Internship II			
FROM:		**TO:**	
Students participate in counseling activities with program clients, supervision meetings and other professional activities at NYS licensed treatment agencies under the supervision of both program staff and college faculty.		**This is Part II of the final course in the CASAC credentialing sequence. All students in this class are interning in a New York State-Office of Addiction Supports and Services (NYS-OASAS) licensed facility for two-days weekly (14 hours).** Students participate in counseling activities with program clients, **group observations, co-facilitation, interdisciplinary treatment team and** supervision meetings, and other professional activities at NYS licensed treatment agencies under the supervision of both program staff and college faculty. **Students also participate in classroom seminars that focus on the core competencies and integration of the classroom and field internship content. Emphasis is placed on ethical, professional comportment and clinical skills development.**	
FROM:		**TO:**	
Prerequisite: SAC 2000, SAC 2200, and SAC 2600		Prerequisite: **SAC 091A or Department Permission**	
Pre-/Co-requisite: SAC 2400 and SAC 2800		Pre-/Co-requisite: **NONE**	

Department of Communications and Performing Arts			
Change: Course Description and Prerequisite:			
1. THA 4400, Voice and Diction for the Actor			
FROM:		**TO:**	
Exploration of the full range, flexibility, variety and techniques behind vocal production for the purpose of maximizing acting choices. Vocal techniques are applied, developed and practiced through acting work based in the pre-20th century theatrical canon.		**This course** explores the full range **of the actor's vocal instrument including pitch, resonance, the release of vocal tension, flexibility, and variety, as a means to support and maximize acting choices. Students will discover the connection between thought, breath and the body, in its relationship to performance. Students will apply these techniques through the study of dramatic text written before 1900.**	
FROM:		**TO:**	
Prerequisite: THA 5300		Prerequisite: **THA 5200**	
Change: Course Title and Description			
2. THA 4600, Training the Musical Theatre Voice			
FROM:		**TO:**	
Training the Musical Theatre Voice		Musical Theatre **Vocal Skills**	
FROM:		**TO:**	
Introduction to basics of vocal and singing technique for the musical theatre. The fundamentals of breathing, posture, resonance, vocal placement and navigating through vocal registers. The application of vocal techniques to works from the musical theatre canon culminating in the performance of selected repertoire.		Introduction to **vocal technique and the basic music skills required for the study and performance of musical theatre. Included topics are** breath, posture, vocal placement, **music reading, song form, and basic vocal anatomy.** The application of **these techniques will be applied through the singing of musical theatre repertoire.**	
Change: Prerequisite:			
3. THA 5100, Play Analysis			
FROM:		**TO:**	
Prerequisite: Passed, exempt, or completed developmental course work for the CUNY Assessment Tests in Reading and Writing		Prerequisite**: NONE**	
Change: Course Description			

4. THA 5300, Acting II - Scene Study			
FROM:		**TO:**	
Advanced classroom and laboratory furthers sensory awareness, memory and character study for role preparation. Basic vocal and body techniques explore the psychophysical actions, objectives and super objectives of characters. Acting theories studied are put into practice in scenes selected from modern plays and musicals.		**This advanced acting course furthers and develops the skills and techniques explored in Acting I. Through immersive and detailed scene studies, students will develop their acting and storytelling abilities through the examination and execution of central acting skills such as character development, sensory awareness, emotional memory, psychophysical actions, objectives/super-objectives and active listening. Acting theories and techniques are evaluated and analyzed, then applied through the preparation and performance of dramatic works from ranging from the early 20th century to present day.**	
Change: Course Title			
5. THA 5500, Introduction to Technical Theatre			
FROM:		**TO:**	
Introduction to Technical Theatre		Introduction to **Theatre Design & Technology**	
Change: Credits/ Hours			
6. SPE 4000, Phonetics			
FROM:		**TO:**	
3 credits, 3 hours lecture		**4** credits, **4** hours lecture	
Change: Credits/ Hours			
7. SPE 4100, Language Development			
FROM:		**TO:**	
4 credits, 4 hours lecture		**3** credits**, 3** hours lecture	
Department of English			
Change: Prerequisite			
1. ENG 12A0, Composition I ALP			
FROM:		**TO:**	

Prerequisite: This course is open to the ALP Student Group. Eligibility is determined as follows: (1) Score of 50 - 55 on the CATW <u>AND</u> a Passing score on the CUNY Assessment Test in Reading, or (2) Passing grade in ENG 93A0, or (3) Starting Spring 2020: Placement determined by CUNY Proficiency Index guidelines		Prerequisite: This course is open to the ALP Student Group. Eligibility is determined as follows: (1) Score of 50 - 55 on the CATW <u>AND</u> Passing score on the CUNY Assessment Test in Reading, or (2) Passing grade in ENG 93A0, or **(3) Instructor approval AND Passing grade in ESL 102 or ESL 91A7, o**r (4) CUNY Proficiency Index **score of 50-64**.	

Department of Mathematics and Computer Science			
Change: Prerequisite			
1. CP 300, Introduction to Computers and Society			
FROM:		**TO:**	
Prerequisite: Exempt from or completion of developmental courses in Reading and Writing and (1) Score of 57 or higher on the Elementary Algebra portion of the ACCUPLACER CUNY Assessment Test in Math; or (2) A passing score on both the Pre-Algebra and Elementary Algebra portion of the CUNY Mathematics Skills Test (COMPASS); or (3) Successful completion of both the Pre-Algebra and Elementary Algebra CUNY Mathematics remediation or (4) Math Exemption; or (5) Established math proficiency designation per the CUNY Proficiency Index.		Prerequisite: Exempt from or completion of developmental courses in Reading and Writing and (1) Successful completion of CUNY Mathematics remediation; or (2) Math Proficiency per CUNY guidelines.	
Change: Prerequisite			
2. CP 500, Introduction to Computer Programming			
FROM:		**TO:**	
Prerequisite: MAT R300		Prerequisite: **NONE**	
Pre-/Co-requisite: NONE		Pre-/Co-requisite: **MAT R300 or MAT 9B0**	
Change: Prerequisite			
3. CP 1000, Computer Science Concepts, Tools and Methods			
FROM:		**TO:**	

Prerequisite: (1) Successful completion of the Elementary Algebra portion of the ACCUPLACER CUNY Assessment Test in Math; or (2) A passing score on both the Pre-Algebra and Elementary Algebra portion of the CUNY Mathematics Skills Test (COMPASS); or (3) Successful completion of both the Pre-Algebra and Elementary Algebra CUNY Mathematics remediation; or (4) Math Exemption; or (5) Established math proficiency designation per the CUNY Proficiency Index.		Prerequisite: Exempt from or completion of developmental courses in Reading and Writing and (1) Successful completion of CUNY Mathematics remediation; or (2) Math Proficiency per CUNY guidelines.	
Change: Prerequisite			
4. CP 1100, Introduction to Computers and Computer Applications			
FROM:		**TO:**	
Prerequisite: (1) Successful completion of the Elementary Algebra portion of the ACCUPLACER CUNY Assessment Test in Math; or (2) A passing score on both the Pre-Algebra and Elementary Algebra portion of the CUNY Mathematics Skills Test (COMPASS); or (3) Successful completion of both the Pre-Algebra and Elementary Algebra CUNY Mathematics remediation; or (4) Math Exemption; or (5) Established math proficiency designation per the CUNY Proficiency Index		Prerequisite: Exempt from or completion of developmental courses in Reading and Writing and (1) Successful completion of CUNY Mathematics remediation; or (2) Math Proficiency per CUNY guidelines.	
Change: Prerequisite			
5. MAT R300, Elementary Algebra II			
FROM:		**TO:**	
Prerequisite: (1) A passing score on part 1 and part 2 of the CUNY Mathematics Skills Test (COMPASS); OR (2) Successful completion of the Elementary Algebra portion of the ACCUPLACER CUNY Assessment Test in Math; OR (3) Successful completion of CUNY Mathematics remediation (parts 1 & 2) ; OR (4) Established math proficiency designation per the CUNY "Proficiency Index"		Prerequisite: (1) Successful completion of CUNY Mathematics remediation; or (2) Math Proficiency per CUNY guidelines.	
Change: Prerequisite			
6. MAT 4A0, Mathematical and Quantitative Reasoning			
FROM:		**TO:**	

Prerequisite: (1) Successful completion of the Elementary Algebra portion of the ACCUPLACER CUNY Assessment Test in Math, or (2) A passing score on both the Pre-Algebra and Elementary Algebra portion of the CUNY Mathematics Skills Test (COMPASS), or (3) Successful completion of both the Pre-Algebra and Elementary Algebra CUNY Mathematics remediation, or (4) Math Exemption		Prerequisite: (1) Successful completion of CUNY Mathematics remediation; or (2) Math Proficiency per CUNY guidelines.	
Change: Prerequisite			
7. MAT 700, Principles of Mathematics			
FROM:		**TO:**	
Prerequisite: (1) Successful completion of the Elementary Algebra portion of the ACCUPLACER CUNY Assessment Test in Math, or (2) A passing score on both the Pre-Algebra and Elementary Algebra portion of the CUNY Mathematics Skills Test (COMPASS), or (3) Successful completion of both the Pre-Algebra and Elementary Algebra CUNY Mathematics remediation, or (4) Math Exemption		Prerequisite: (1) Successful completion of CUNY Mathematics remediation; or (2) Math Proficiency per CUNY guidelines.	
Change: Course Description			
8. MAT 900, College Algebra			
FROM:		**TO:**	
A comprehensive treatment of the following: real numbers, absolute value, integer and rational exponents, polynomial operations, factoring techniques, roots and radicals, linear and quadratic equations, graphing techniques, systems of linear equations, and Gaussian elimination. Introduces the study of functions in preparation for the study of pre-calculus. Demonstration of proficiency in subject matter via departmental final exam is required for successful completion.		A comprehensive treatment of the following: real numbers, absolute value, integer and rational exponents, polynomial operations, factoring techniques, roots and radicals, linear and quadratic equations, graphing techniques, systems of linear equations, and Gaussian elimination. Introduces the study of functions in preparation for the study of pre-calculus. Demonstration of proficiency in subject matter via departmental final exam is required for successful completion. **Students who have completed MAT 9B0 will not**	
Change: Prerequisite			
9. MAT 1000, College Trigonometry			
FROM:		**TO:**	
Prerequisite: MAT 900		Prerequisite: MAT 900 **or MAT 9B0**	
Change: Prerequisite			
10. MAT 1100, Finite Mathematics			

FROM:		**TO:**	
Prerequisite: MAT 900		Prerequisite: MAT 900 **or MAT 9B0**	
Change: Prerequisite			
11. MAT 1300, Survey of Mathematics and Computer Concepts			
FROM:		**TO:**	
Prerequisite: MAT R300		Prerequisite: MAT R300 **or MAT 9B0**	
Change: Prerequisite			
12. MAT 1400, Analytic Geometry and Pre-Calculus Mathematics			
FROM:		**TO:**	
Prerequisite: MAT 900 with a grade of "C" or higher		Prerequisite: MAT 900 **or MAT 9B0** with a grade of "C" or higher	
Change: Prerequisite			
13. MAT 19A0, Statistics and Probability in Today's World			
FROM:		**TO:**	
Prerequisite: MAT R300		Prerequisite: MAT R300 **or MAT 9B0**	
Change: Prerequisite			
14. MAT 2000, Elements of Statistics			
FROM:		**TO:**	
Prerequisite: MAT R300		Prerequisite: MAT R300 **or MAT 9B0**	
Change: Prerequisite			
15. MAT 2200/BA 2200, Business Statistics			
FROM:		**TO:**	
Prerequisite: MAT R300 with a grade of "C" or higher		Prerequisite: MAT R300 **or MAT 9B0** with a grade of "C" or higher	
Change: Prerequisite			
16. MAT 9100/BIO 9100, Biostatistics			
FROM:		**TO:**	
Prerequisite: MAT 900		Prerequisite: MAT 900 **or MAT 9B0**	
COURSES WITHDRAWN			
N/A			

INFORMATION FOR THE COMMITTEE			
1. Need for Final Syllabus for any Pathways Submissions - Common Syllabus.			
2. No longer offering stand-alone Developmental Courses as of Fall 2022.			
3. Civic Engagement courses - speak with Amanda & Sharon			
4. Thanks to the Remand Sub-Committee for this semester: Profs. Gordon, Parker, Yarmish and Borgese.			
Meeting adjourned at 2:30pm.			
Respectfully submitted,			
Amanda Kalin			
Secretary			