

Brooklyn College, CUNY

NYU – Poly

Articulation in:

Chemical and Biomolecular Engineering

Civil Engineering

Computer Engineering

Electrical Engineering

Mechanical Engineering

September 2010

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Brooklyn College/NYU-Poly Articulation in Chemical & Biomolecular Engineering Leading to NYU-Poly BS CBE

BC Courses		Credits Transferred		NYU-Poly Courses		Credits
MATH (3.3)	1201	Calculus I	3	MA 1024	Calculus I	4
MATH (4.3)	1206	Calculus II	4	MA 1124	Calculus II	4
MATH (5.3)	2201	Multivariable Calculus	2	MA 2112	Multi Calc A	2
			2	MA 2122	Multi Calc B	2
MATH (13)	2206	Elementary Differential Equations	2	MA 2132	Ordinary Differential Equations	2
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PHYS (1.5)	1150	General Physics I	3	PH 1013	Mechanics	3
PHYS (2.5)	2150	General Physics II	3	PH 2073	Electricity, Magnetism & Fluids	3
			0.5	PH 2021	Introductory Physics Lab I	0.5
			3	PH 2033	Waves, Optics, Thermodynamics	3
			0.5	PH 2031	Introductory Physics Lab II	0.5
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PHYS (11.3)	3200	Engineering Mechanics	3	EG 1003	Intro to Engineering & Design	3
			1	EG 1001	Engineering & Technology Forum	1
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CISC (1.5)	1110	Intro to Computing Using C++ (special Section for Engineers)	3	CS 1133	Eng Prob Solving & Programming	3
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CHEM (1.0)	1100	General Chemistry 1	4	CM 1004	General Chemistry	4
BIOL (2.5)	1002	General Biology 2	4	BMS 1004	Intro to Cell & Molecular Biology	4
CHEM (51)	3510	Organic Chemistry 1	3	CM 2213	Organic Chemistry 1	3
CHEM (52)	3520	Organic Chemistry 2	3	CM 2223	Organic Chemistry 2	3
CHEM (61)	4610	Physical Chemistry	4	CM 2614	Physical Chemistry 1	4
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ENGL (1)	1010	English Composition I	3	EN 1013W	Writings and the Humanities I	3
ENGL (2)	1012	English Composition II	3	EN 1023W	Writings and the Humanities II	3
		English, American History	12	HUSS	Electives	12
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Total			66			66

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Brooklyn College/NYU-Poly Articulation in Civil Engineering Leading to NYU-Poly BS CE

BC Courses			Credits Transferred	NYU-Poly Courses		Credits
MATH (3.3)	1201	Calculus I	3	MA 1054	Calculus I with Pre Calculus	4
MATH (4.3)	1206	Calculus II	4	MA 1154	Calculus II with Pre Calculus	4
MATH (5.3)	2201	Multivariable Calculus	3		Free Elective	3
MATH (10.1)	2101	Linear Algebra	2	MA 2012	Linear Algebra	2
MATH (13)	2206	Elementary Differential Equations	2	MA 2132	Ordinary Differential Equations	2
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PHYS (1.5)	1150	General Physics I	3	PH 1013	Mechanics	3
PHYS (2.5)	2150	General Physics II	3	PH 2073	Electricity, Magnetism & Fluids	3
			1.0	PH 2021	Introductory Physics Lab I	0.5
			3	PH 2033	Waves, Optics, Thermodynamics	3
			1.0	PH 2031	Introductory Physics Lab II	0.5
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PHYS (13.3)	3300	Electrical Circuit Analysis	3	EG 1003	Intro to Engineering & Design	3
			1	EG 1001	Engineering & Technology Forum	1
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PHYS (11.3)	3200	Engineering Mechanics	3	CE 2113	Statics	3
PHYS (10.5)	3100	Modern Physics	3		Science Elective	3
			1		Other	1
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CISC (1.5)	1110	Intro to Computing Using C++ (special Section for Engineers)	3	CS 1113	Engineering Computations	3
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CHEM (1.0)	1100	General Chemistry I	4	CM 1004	General Chemistry	4
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ENGL (1)	1010	English Composition I	3	EN 1013W	Writings and the Humanities I	3
ENGL (2)	1012	English Composition II	3	EN 1023W	Writings and the Humanities II	3
		English, American History	15	HUSS	Electives	12
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Total			64			61

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Brooklyn College/NYU-Poly Articulation in Computer Engineering Leading to NYU-Poly BS CompE

BC Courses		Credits Transferred		NYU-Poly Courses		Credit
MATH (3.3)	1201	Calculus I	3	MA 1024	Calculus I	4
MATH (4.3)	1206	Calculus II	4	MA 1124	Calculus II	4
MATH (5.3)	2201	Multivariable Calculus	2	MA 2112	Multi Calc I	2
MATH (10.1)	2101	Linear Algebra	2	MA 2012	Linear Algebra	2
MATH (13)	2206	Elementary Differential Equations	2	MA 2132	Ordinary Differential Equations	2
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PHYS (1.5)	1150	General Physics I	3	PH 1013	Mechanics	3
PHYS (2.5)	2150	General Physics II	3	PH 2073	Electricity, Magnetism & Fluids	3
			0.5	PH 2021	Introductory Physics Lab I	0.5
			3	PH 2033	Waves, Optics, Thermodynamics	3
			0.5	PH 2031	Introductory Physics Lab II	0.5
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PHYS (13.3)	3300	Electrical Circuit Analysis	4	EE 2013	Circuit I	3
PHYS (18)	3900	Electrical Measurements Lab	2	EE 2024	Circuits II	4
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PHYS (11.3)	3200	Engineering Mechanics	4	EG 1003	Introduction to Engineering & Design	3
				EG 1001	Engineering & Technology Forum	1
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PHYS (10.5)	3100	Modern Physics	3	EE/CS 1012	Introduction to Computer Engineering	2
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CISC (1.5)	1110	Intro to Computing Using C++ (special Section for Engineers)	4	CS 1114	Introduction to Programming	4
CISC (26)	3150	Object-Oriented Programming	3	CS 1124	Object-Oriented Programming	3
CISC (22)	3130	Data Structure	4	CS 2134	Data Structures & Algorithms	4
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CHEM (1.0)	1100	General Chemistry I	4	CM 1004	General Chemistry	4
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ENGL (1)	1010	English Composition I	3	EN 1013W	College Writing Workshop	3
ENGL (2)	1012	English Composition II	3	EN 1023W	First Year Writing Seminar	3
		English, American History	6	HUSS	Electives	6
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Total			63			64

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Brooklyn College/NYU-Poly Articulation in Electrical Engineering Leading to NYU-Poly BS EE

BC Courses		Credits Transferred		NYU-Poly Courses		Credit
MATH (3.3)	1201	Calculus I	3	MA 1024	Calculus I	4
MATH (4.3)	1206	Calculus II	4	MA 1124	Calculus II	4
MATH (5.3)	2201	Multivariable Calculus	2	MA 2112	Multi Calc I	2
			2	MA 2122	Multi Calc II	2
MATH (10.1)	2101	Linear Algebra	2	MA 2012	Linear Algebra	2
MATH (13)	2206	Elementary Differential Equations	2	MA 2132	Ordinary Differential Equations	2
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PHYS (1.5)	1150	General Physics I	3	PH 1013	Mechanics	3
PHYS (2.5)	2150	General Physics II	3	PH 2073	Electricity, Magnetism & Fluids	3
			0.5	PH 2021	Introductory Physics Lab I	0.5
			3	PH 2033	Waves, Optics, Thermodynamics	3
			0.5	PH 2031	Introductory Physics Lab II	0.5
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PHYS (13.3)	3300	Electrical Circuit Analysis	4	EE 2013	Circuit I	3
PHYS (18)	3900	Electrical Measurements Lab	2	EE 2024	Circuits II	4
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PHYS (11.3)	3200	Engineering Mechanics	4	EG 1003	Introduction to Engineering & Design	3
				EG 1001	Engineering & Technology Forum	1
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PHYS (10.5)	3100	Modern Physics	3	EE 1002	Introduction to Electrical Engineering	2
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CISC (1.5)	1110	Intro to Computing Using C++ (special Section for Engineers)	4	CS 1133	Engineering Prob Solving & Programming	3
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CHEM (1.0)	1100	General Chemistry I	4	CM 1004	General Chemistry	4
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ENGL (1)	1010	English Composition I	3	EN 1013W	College Writing Workshop	3
ENGL (2)	1012	English Composition II	3	EN 1023W	First Year Writing Seminar	3
		English, American History	12	HUSS	Electives	12
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Total			64			64

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Brooklyn College/NYU-Poly Articulation in Mechanical Engineering Leading to NYU-Poly BS ME

BC Courses			Credits Transferred		NYU-Poly Courses		Credits
MATH (3.3)	1201	Calculus I	3	MA 1024	Calculus I		4
MATH (4.3)	1206	Calculus II	4	MA 1124	Calculus II		4
MATH (5.3)	2201	Multivariable Calculus	2	MA 2112	Multi Calc A		2
			2	MA 2122	Multi Calc B		2
MATH (10.1)	2101	Linear Algebra	2	MA 2012	Linear Algebra		2
MATH (13)	2206	Elementary Differential Equations	2	MA 2132	Ordinary Differential Equations		
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PHYS (1.5)	1150	General Physics I	3	PH 1013	Mechanics		3
PHYS (2.5)	2150	General Physics II	3	PH 2073	Electricity, Magnetism & Fluids		3
			0.5	PH 2021	Introductory Physics Lab I		0.5
			3	PH 2033	Waves, Optics, Thermodynamics		3
			0.5	PH 2031	Introductory Physics Lab II		0.5
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PHYS (13.3)	3300	Electrical Circuit Analysis	3	EG 1003	Intro to Engineering & Design		3
			1	EG 1001	Engineering & Technology Forum		1
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PHYS (11.3)	3200	Engineering Mechanics	3	ME 2113	Statics		3
PHYS (10.5)	3100	Modern Physics	3		Free Elective		3
			3		ME Elective		3
			1		Other		1
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CISC (1.5)	1110	Intro to Computing Using C++ (special Section for Engineers)	3	CS 1133	Engineering Prob Solving & Programming		3
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CHEM (1.0)	1100	General Chemistry I	4	CM 1004	General Chemistry		4
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ENGL (1)	1010	English Composition I	3	EN 1013W	Writings and the Humanities I		3
ENGL (2)	1012	English Composition II	3	EN 1023W	Writings and the Humanities II		3
		English, American History	12	HUSS	Electives		12
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Total			64				64