



HUDSON COUNTY COMMUNITY COLLEGE

Associate of Science  
Mathematics

NEW JERSEY CITY UNIVERSITY

Bachelor of Arts  
Mathematics

AY 2025-2026

Course Number	Course Name	Credits		Course Number	Course Name	Credits
CSS100	College Student Success	1	=	INTD101	Orientation to College	1
ENG101	College Composition I	3	=	ENGL101	English Composition I	3
ENG102	College Composition II	3	=	ENGL102	English Composition II	3
CHP111	College Chemistry I	4	=	CHEM105+1105	General Chemistry I + Lab	4
PHY111	Engineering Physics I	4	=	PHYS140+1140	Principles of Physics I - Lecture + Lab	4
CSC100	Intro to Computers and Computing	3	=	CS107	Computers & Information Systems	3
ENG112	Speech	3	=	ENGL147	Effective Speaking	3
1 Diversity Elective		3	=	TBD		3
1 Social Science Elective		3	=	TBD		3
1 Humanities Elective		3	=	TBD		3
1 Social Science or Humanities Elective		3	=	TBD		3
MAT111	Calculus I	4	=	MATH192	Calculus and Analytic Geometry I	4
MAT112	Calculus II	4	=	MATH193	Calculus and Analytic Geometry II	4
MAT211	Calculus III	4	=	MATH292	Calculus & Analytical Geometry III	4
MAT212	Differential Equations	4	=	MATH311	Differential Equations for Engineers	4
MAT215	Linear Algebra	3	=	MATH260	Linear Algebra	3
PHY211	Engineering Physics II	4	=	PHYS141+1141	Principles of Physics II - Lecture + Lab	4
PHY212	Engineering Physics III	4	=	PHYS230	Physics III	4

Total Credits Transferred

60

General Education Waiver Awarded

## Remaining NJCU Courses

Course Number	Course Name	Credits	Notes
<b>Required</b>		<b>9</b>	
MATH 192	Calculus and Analytic Geometry I	0	This will be satisfied with transfer
MATH 193	Calculus and Analytic Geometry II	0	This will be satisfied with transfer
MATH 260	Linear Algebra	0	This will be satisfied with transfer
MATH 292	Calculus & Analytical Geometry III	0	This will be satisfied with transfer
MATH 295	Survey of Modern Mathematics	3	
MATH 311	Differential Equations for Engineers	0	This will be satisfied with transfer
MATH 330	Mathematical Statistics I	3	
MATH 370	Abstract Algebra	3	
<b>Math Electives</b>		<b>9</b>	
MATH 307	Finite Mathematics I	3	
MATH 320	Modern Geometry I	3	
MATH 321	Modern Geometry II	3	
MATH 331	Mathematical Statistics II	3	
MATH 350	Elements of Numerical Analysis	3	
MATH 371	Abstract Algebra II	3	
MATH 380	Real Analysis	3	
MATH 385	Reading in Mathematics	3	
MATH 407	Teaching Mathematics in Secondary Schools	3	
MATH 410	History of Mathematics	3	
MATH 430	Topology	3	
MATH 440	Number Theory	3	
MATH 445	Complex Variables	3	
MATH 450	Advanced Calculus I	3	
MATH 451	Advanced Calculus II	3	
MATH 482	Mathematics in Junior High School	3	
MATH 503	Computers in Mathematics	3	
MATH 508	Professionalized Subject Matter in Arithmetic	3	
MATH 510	Professionalized Subject Matter in Algebra	3	
MATH 511	Professionalized Subject Matter in Middle School Mathematics	3	
MATH 512	Professionalized Subject Matter in Geometry	3	
MATH 514	Professionalized Subject Matter in Pre-Calculus Mathematics	3	
MATH 515	Math Manipulatives I	3	
MATH 516	Mathematics Manipulative II	3	
MATH 517	Calculators in the K-8 Classroom	3	
MATH 518	Calculators in the Secondary Classroom	3	
MATH 526	Algorithmic Number Theory	3	
MATH 531	Numerical Analysis	3	
MATH 536	Mathematical Modeling	3	
MATH 540	Graph Theory	3	
MATH 598	Mathematical Principles of Computer Graphics	3	
<b>Other Required Courses</b>		<b>3</b>	
MATH 140	Statistics I	3	
<b>Free Elective Courses</b>		<b>39</b>	
<b>Total Credits To Graduate</b>		<b>120</b>	