

MAJOR IN MATHEMATICS

Code	Title	Credits
Required Mathematics Courses (36 Credits)		
MAT251		4
MAT252		4
MAT260		3
MAT303		3
MAT304		3
MAT321		3
MAT353		4
MAT359		3
	or MAT341	
MAT362		3
MAT364		3
MAT381		3
Elective Courses (9 Credits)		
Select 9 credits in mathematics courses at the 300-level or above		9
Required Cognate Courses (8 Credits)		
Select one of the following two groups:		8
Group A:		
PHY201	and	
& PHY211		
PHY202	and	
& PHY212		
Group B:		
CPS210	and	
& CPS310		
Natural Science Sequence, if needed to fulfill General Education requirements (0 Credits)		
Select a sequence from the following:		
Sequence 1:		
PHY201		
PHY211		
PHY202		
PHY212		
Sequence 2:		
CPS210		
CPS310		
Sequence 3:		
BIO201		
BIO211		
BIO202		
BIO212		
Sequence 4:		
CHE201		
CHE211		
CHE202		
CHE212		
Sequence 5:		
GLG201		
GLG211		

GLG301	
Sequence 6:	
ECO206	
ECO207	
Total Credits	53

This **eight-semester plan** (see important details (<http://catalog.newpaltz.edu/undergraduate/additional-information-about-8-semester-plans>)) is intended to guide a first-year student through a four-year undergraduate career, with completion of an academic major and all college-wide degree requirements. The plan is designed as an **advising tool** – a starting point for careful discussions between a student and his/her academic adviser. In consultation, the student and adviser will adjust the plan to accommodate the student's prerequisite needs, transferred credits, and other such variables.

Students are responsible for reviewing their Progress Reports (<https://www3.newpaltz.edu/progressreports>) each semester to track their own progress toward degree requirements.

Course	Title	Credits
Year 1		
Fall		
MAT251		4
Gen Ed: The Arts (ART)		3
Gen Ed: Composition (COMP)		3
Gen Ed: Foreign Languages (FLNG)		3
MAT260		3
Credits		16
Spring		
MAT252		4
PHY201	¹	3
PHY211		1
Gen Ed: Composition (COMP)		3
Gen Ed: Foreign Languages (FLNG)		3
Elective		3
Credits		17
Year 2		
Fall		
MAT353		4
Upper-division Math Elective	²	3
PHY202	¹	3
PHY212		1
Gen Ed: World Civilizations and Cultures (WRLD)		3
Credits		14
Spring		
MAT304		3
MAT362		3
MAT359		3
Gen Ed: Social Sciences (SSCI)		3
Elective		3
Credits		15
Year 3		
Fall		
MAT364		3

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MAT303	3
CPS210 ¹	4
Gen Ed: Humanities (HUM)	3
Elective	3
Credits	16
Spring	
MAT321	3
MAT381	3
Upper-division Math elective	3
CPS310 ¹	4
Credits	13
Year 4	
Fall	
Upper-division Math elective	3
Gen Ed: Diversity (DIVR)	3
Upper-division elective (WI)	3
Electives	6
Credits	15
Spring	
Gen Ed: Western Civilization (WEST)	3
Gen Ed: United States Studies (USST)	3
Upper-division electives	9
Credits	15
Total Credits	121

¹ Two science sequences must include one of the two shown. CPS210 Computer Science I: Foundations, CPS310 Computer Science II: Data Structures, PHY201 General Physics 1 (NSCI), PHY202 General Physics 2 (NSCI), PHY211 Physics 1 Laboratory, PHY212 General Physics 2 Lab.

² Upper Division Math electives tend to change each semester. Students may take some as early as their second semesters, and should take the electives they want in the semesters they are offered.