

# State University of New York at New Paltz

This **eight-semester plan** (see [important details](#)) 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](#) each semester to track their own progress toward degree requirements.

## Mathematics

### Year 1

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
<a href="#">MAT251</a> Calculus I (MATH)	4	<a href="#">MAT252</a> Calculus II	4
Gen Ed: The Arts (ART)	3	<a href="#">PHY201</a> General Physics (NSCI)	3
Gen Ed: Composition (COMP)	3	- Note 1	
Gen Ed: Foreign Languages (FLNG)	3	<a href="#">PHY211</a> Physics 1 Laboratory	1
<a href="#">MAT260</a> Introduction to Proof	3	Gen Ed: Composition (COMP)	3
		Gen Ed: Foreign Languages (FLNG)	3
		Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>17</b>

### Year 2

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
<a href="#">MAT353</a> Calculus III	4	<a href="#">MAT304</a> Foundations of Algebra	3
Upper-division Math Elective - Note 2	3	<a href="#">MAT362</a> Linear Algebra	3
<a href="#">PHY202</a> General Physics II (NSCI) - Note 1	3	<a href="#">MAT359</a> Ordinary Differential Equations	3
<a href="#">PHY212</a> General Physics 2 Lab	1	Gen Ed: Social Sciences (SSCI)	3
Gen Ed: World Civilizations and Cultures (WRLD)	3	Elective	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>15</b>

### Year 3

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
<a href="#">MAT364</a> Introduction to Abstract Algebra I	3	<a href="#">MAT321</a> Intermediate Analysis I	3
<a href="#">MAT303</a> Foundations of Analysis	3	<a href="#">MAT381</a> Probability and Statistics I	3
<a href="#">CPS210</a> Computer Science I - Note 1	4	Upper-division Math elective	3
Gen Ed: Humanities (HUM)	3	<a href="#">CPS310</a> Computer Science II - Note 1	4
Elective	3		
<b>Total</b>	16	<b>Total</b>	13

### Year 4

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
Upper-division Math elective	3	Gen Ed: Western Civilization (WEST)	3
Gen Ed: Diversity (DIVR)	3	Gen Ed: United States Studies (USST)	3
Upper-division elective (WI)	3	Upper-division electives	9
Electives	6	<b>Total</b>	15
<b>Total</b>	15		

### Notes

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](#)

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.

**Total Credits: 121**