

Mathematics and Physics

Department Information

- **Department Phone:**
701-231-8171 or 8974
- **Department Web Site:**
www.ndsu.edu/math/ or www.ndsu.edu/physics/ (<http://www.ndsu.edu/math/> or www.ndsu.edu/physics/)
- **Credential Offered:**
B.S.; B.A.
- **Official Program Curriculum:**
catalog.ndsu.edu/undergraduate/program-curriculum/mathematics-physics/ (<http://catalog.ndsu.edu/undergraduate/program-curriculum/mathematics-physics/>)

Sample Program Guide

IMPORTANT DISCLAIMER: This guide is not an official curriculum. This guide is a sample four-year degree plan of how students might plan this major with other degree requirements to complete their education in four years. Student plans will vary from this sample due to a variety of factors, such as, but not limited to, start year, education goals, transfer credit, and course availability. To ensure proper degree completion, enrolled students should utilize Degree Map (<https://www.ndsu.edu/registrar/degreemap/>) and Schedule Planner (<https://www.ndsu.edu/onestop/degree-map-and-planning/>) in Campus Connection and consult regularly with academic advisors to ensure graduation requirements are being met.

Freshman			
Fall	Credits	Spring	Credits
ENGL 110		3 PHYS 251 & 251L	5
PHYS 171		1 MATH 166	4
MATH 165 ¹		4 CHEM 151 & CHEM 161 (or CHEM 122 & CHEM 122L)	4
CHEM 150 & CHEM 160 (or CHEM 121 & CHEM 121L)		4 ENGL 120	3
MATH 129		3	
COMM 110		3	
		18	16
Sophomore			
Fall	Credits	Spring	Credits
PHYS 252 & 252L		5 PHYS 350	3
MATH 265		4 MATH 266	3
MATH 270		3 CSCI 160	4
Gen Ed Humanities/Fine Arts & Global Perspectives		3 MATH 346	3
		Gen Ed Social/Behavioral Science & Cultural Diversity	3
		Gen Ed Wellness	2
		15	18
Junior			
Fall	Credits	Spring	Credits
PHYS 360		3 PHYS 361	3
MATH 420		3 PHYS 370	3

2 Mathematics and Physics

PHYS 355	3	ENGL 324	3
MATH 420, 450, 452, or 483 ²	3	MATH 420, 450, 452, or 483 ²	3
Gen Ed Humanities/Fine Arts	3	MATH 329	3
15		15	

Senior			
Fall	Credits	Spring	Credits
PHYS 462		3 PHYS 486	3
PHYS 485		3 PHYS 489	2
Physics Elective		6 Physics Elective	3
MATH 4XX Math Elective		3 MATH 491	2
PHYS 488		1 Gen Ed Social & Behavioral Sciences	3
		Gen Ed Upper Division Writing	3
16		16	

Total Credits: 129

1

Students who place into a math course lower than MATH 165 may need to extend their time to degree completion by up to a year.

2

Math Elective: Student must select two classes from the grouping