

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/>)

This dual major program is intended for students who desire additional mathematical background and preparation for graduate school or technical careers in the sciences, especially theoretical 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 Wellness		2 Gen Ed Social/Behavioral Science & Cultural Diversity	3
		17	16
Junior			
Fall	Credits	Spring	Credits
PHYS 360		3 PHYS 361	3

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MATH 420	3	PHYS 370	3
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

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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.

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Math Elective: Student must select two classes from the grouping