Mathematics and Physics

Department Information

Department Location:

Minard Hall or South Engineering

· Department Phone:

701-231-8171

· 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 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

Please note this is a sample program guide and not an official curriculum. Actual student schedules for each semester will vary depending on start year, education goals, applicable transfer credit, and course availability. Once admitted, students are encouraged to work with their assigned academic advisor on a regular basis to review degree progress.

Freshman					
Fall	Credits	Spring	Credits		
PHYS 171		1 PHYS 251 & 251L	5		
MATH 165		4 PHYS 251R			
CHEM 150 & CHEM 160		4 MATH 166	4		
ENGL 110 or 120 (based on placement)		3 COMM 110	3		
MATH 129	:	3 CHEM 151 & CHEM 161	4		
15					
Sophomore					
Fall	Credits	Spring	Credits		
PHYS 252 & 252L		5 PHYS 350	3		
PHYS 252R		1 MATH 266	3		
MATH 265	d 265 4 CSCI 160				
MATH 270		3 Gen Ed Social/Behavioral Science 3			
Gen Ed Humanities/Fine Arts		3 Gen Ed Wellness			
		MATH 346	3		
	1	6	18		
Junior					
Fall	Credits	Spring	Credits		
PHYS 360		3 PHYS 361	3		
MATH 420		3 PHYS 370	3		
PHYS 355		3 ENGL 324	3		

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MATH 450		3 Gen Ed Social/Behavio	oral Science	3
Gen Ed Social/Behavioral Science		3 MATH 452 or 483		3
Gen Ed Humanities/Fine Arts		3 MATH 329		3
		18		18
Senior				
Fall	Credits	Spring	Credits	
PHYS 462		3 PHYS 486		3
PHYS 485		3 PHYS 489		2
Physics Elective		3 Physics Elective		3
MATH 4XX Math Elective		3 MATH 491		2
PHYS 488		1 Gen Ed Humanities/Fi	ne Arts	3
		13		13

Total Credits: 128