

Transfer Planning Worksheet 2020-2021



**NORTH CENTRAL
COLLEGE 1861**

Student Name: _____ North Central ID# _____ College Representative: _____ Date: _____

Physics, Interdisciplinary Track, B.S.

At North Central, physics majors study the tiny particles that can help solve the biggest mysteries of the universe. At North Central, you'll join those scientists. Fulltime professors teach all of our science courses—no teaching assistants here—so from day one you'll work side by side with the experts, both in the lab and in the classroom. You'll gain the research and academic experience you'll need to pursue graduate studies or employment in the physics industry.

Major Requirements

Course Name	Equivalent	Credit	Grade
PHYS 160 - Einstein and Heisenberg: Physics of the Fast and the Small			
PHYS 161 - Physics I: Mechanics and Heat	PHYS 2111 @ COD		
PHYS 162 - Physics II: Electromagnetism, Waves and Optics	PHYS 2112 @ COD		
PHYS 200 - Electronic Instrumentation for Scientists			
PHYS 263 - Physics III: Quantum Physics			
PHYS 264 - Experimental Quantum Physics			
PHYS 300 - Computational Mechanics			
PHYS 391 - Seminar I			
PHYS 392 - Seminar II			
PHYS 410 - Advanced Experimental Physics			

Electives

Six additional credit hours in Physics at the 300- or 400-level, not including PHYS 395 or internships.

Second Major or Minor

Completion of a second major or minor in a discipline, pre-approved by the department.

Required Support Courses

Course Name	Equivalent	Credit	Grade
CSCE 160 - Introduction to Computer Programming	CIS 2485, 2531, 2541, 2571, or 2572 @ COD		
ENGR 120 - Engineering Calculations			
MATH 151 - Calculus I	MATH 2231 @ COD		
MATH 152 - Calculus II	MATH 2232 @ COD		
MATH 253 - Calculus III	MATH 2233 @ COD		

One of the following:

Course Name	Equivalent	Credit	Grade
MATH 255 - Linear Algebra and Differential Equation			
MATH 300 - Linear Algebra	MATH 2245 @ COD		