



TRANSFER PATHWAY GUIDE 2024-2025

Associate of Science to Bachelor of Science in Physics

Completion of the following curriculum will satisfy the requirements for the Associate of Science (AS) degree at Cincinnati State (CState) and leads to the Bachelor of Science (BS) in Physics degree at Northern Kentucky University (NKU).

Students can apply to participate in the pathway program by completing the online application on the NKU transfer webpage. Students must be enrolled in at least six credit hours at Cincinnati State, enrolled in an associate degree program, plan to transfer to NKU, and maintain a minimum 2.0 cumulative GPA at Cincinnati State.

1) Completion of minimum 62 credit hours, 36 of which from approved Ohio Transfer 36 courses, 2) minimum cumulative GPA 2.0, 3) completion of an FYE course as part of the first 12 credit hours taken at Cincinnati State, and 4) completion of Cooperative Education.

Students completing an associate degree with a cumulative GPA of 2.0 or higher will be accepted into NKU.

To earn a bachelor's degree at NKU, students must complete a minimum of 120 credit hours with at least 45 credit hours numbered 300 and above. In addition, at least 25% of the credit hours required for the degree and the last 30 credit hours must be completed at NKU. Students must have an overall GPA of 2.0 and meet all prerequisites for courses and requirements for the major.

Students in the CState2NKU program should work closely with their advisors when choosing

courses. This document serves as a guide but does not replace academic advising. When choosing Cincinnati State courses, student may also consult the Associate of Science advising brochure or the catalog for A and B list courses in Arts and Humanities or Social and Behavioral Sciences. Some courses in this document may have prerequisites that are not reflected in the grid. Students should work with their advisor to ensure that prerequisites are met.

Northern Kentucky University

Category 3: NKU Major Requirements for the BS in Physics

NKU Course	Course	Credits	CState Course	Taken at CState
CHE 120/120L	General Chemistry I with Lab	4	CHE 121/131	x
CHE 121/121L	General Chemistry II with Lab	4	CHE 122/132	x
MAT 129	Calculus I	4	MAT 251	x
MAT 229	Calculus II	5	MAT 252	x
MAT 329	Calculus III	4	MAT 253	x
MAT 325	Differential Equations	3		
PHY 100	Science, Engineering, and Design	1		
PHY 220	University Physics with Laboratory I	4	PHY 201	x
PHY 222	University Physics with Laboratory II	4		
PHY 224	University Physics with Laboratory III	4	PHY 202	x
PHY 300	Intermediate Physics Laboratory	2		
PHY 310	Dynamics			
PHY 360	Thermodynamics	3		
PHY 361	Modern Physics I	3		
PHY 393	Physics Seminar	1		

NKU Course	Course	Credits	CState Course	Taken at CState
	Subtotal Major Credit Hours at NKU	38-39		
	Subtotal Major Credit Hours at CState	29		
	Total Major Credit Hours	67-68		

Category 4: Additional Requirements at NKU

	Category	Credits		
	Subtotal Minor/Focus Hours (6 credits needed for a minor in Mathematics)	6-24		
	Subtotal Elective Credit Hours	0-14		
	Total Baccalaureate Degree Credit Hours	120		

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