

The following table outlines how transfer credits will be applied to the Bachelor of Science in Physics degree at University of Cincinnati for students who completed an Associate of Science degree via the Ohio Guaranteed Physics Transfer Pathway. The University of Cincinnati also offers a Bachelor of Arts in Physics, which can be found here. The OGTP designation guarantees the transfer and applicability of credits, but does not guarantee admission to a program. Some bachelor-degree granting programs may be competitive, and students should check with individual institutions for their program admission requirements.

COURSE EQUIVALENCIES FROM THE ASSOCIATE DEGREE	Course Number	Credit Hours
GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36		
Any Ohio Transfer 36 approved First Writing (TME001) course	ENGL1001	3
Calculus I (TMM005)	MATH1061	4
Any Ohio Transfer 36 approved Arts and Humanities course	Ohio Transfer 36 Elective*	3
Any Ohio Transfer 36 approved Arts and Humanities course	Ohio Transfer 36 Elective*	3
Any Ohio Transfer 36 approved Social and Behavioral Sciences course	Ohio Transfer 36 Elective*	3
Any Ohio Transfer 36 approved Social and Behavioral Sciences course	Ohio Transfer 36 Elective*	3
Calculus-Based Physics I with lab (OSC016)	PHYS2001/2001L ¹	5
Calculus-Based Physics II with lab (OSC017) or any Ohio Transfer 36 approved Natural Sciences course	PHYS2002/2002L ¹	5
Calculus II (TMM006)	MATH1062	4
General Chemistry I with lab (OSC008)	CHEM1040/1040L	5
Ohio Transfer 36 approved elective [Recommended: Any Ohio Transfer 36 approved Second Writing (TME002) course and/or General Chemistry II (OSC009)]	ENGL2089or CHEM1041/1041L	3
PRE-MAJOR/BEGINNING MAJOR		
Calculus III (OMT018)	MATH2063	4
Elementary Linear Algebra (OMT019)	MATH2076	3
Elementary Differential Equations (OMT020)	MATH2073	3
OTHER RECOMMENDATIONS		
Electives	Varies*	10-14
TOTAL HOURS FROM ASSOCIATE DEGREE:		60-65
Advising Notes: (*) Indicates that coursework will be evaluated for applicable equivalency upon transfer at the university. If a Transfer Assurance Guide (TAG) course is taken, the approved course equivalency will be awarded. ¹ University of Cincinnati will accept PHYS 2001/2001L and PHYS 20002/2002L for the PHYS2005/2005L and PHYS2006/2006L requirement upon completion of the entire OGTP and subsequent transfer. Failure to complete the entire OGTP prior to transfer will result in applicability on a student-by-student basis.		

SPECIAL NOTES

Students with plans of pursuing a pre-professional or graduate studies track in the future should work closely with their academic advisor and receiving institution starting in the first year of their program in order to adequately prepare themselves for those types of tracks. Some pre-professional degrees include pre-medicine, pre-veterinary, pre-law, and pre-dentistry.

The following additional coursework will be required to complete the Bachelor of Science in Physics degree at University of Cincinnati after a student has completed their Associate of Science Ohio Guaranteed Physics Transfer Pathway degree. Some bachelor-degree granting programs may be competitive and admission into the program is not guaranteed. Students should check with individual institutions for their program admission requirements.

REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE		Course Number	Credit Hours
College Core Requirement:	Foreign Language	Varies	5-6
College Core Requirement:	Historical Perspective BoK (one from HIST discipline)	Varies	6
College Core Requirement:	Contemporary Topics BoK	Varies	3
Major Requirement:	Intermediate Physics I and II	PHYS3001C and PHYS3002C	10
Major Requirement:	Intermediate Mechanics	PHYS3010	4
Major Requirement:	Thermodynamics and Statistical Physics	PHYS3030	4
Major Requirement:	Electricity and Magnetism I	PHYS3020	3
Major Requirement:	Electricity and Magnetism II	PHYS3021	3
Major Requirement:	Advanced Laboratory	PHYS5011	3
Major Requirement:	Introductory Quantum Mechanics I	PHYS5020	3
Major Requirement:	Physics Capstone	PHYS4099	3
Major Requirement:	Physics Electives	PHYS3041, 4025, 4026, 5001, 5021, 5041, 5045	3
Free Electives:	Electives	Varies	8-9
REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE TOTAL: ¹			58-59
Advising Notes: ¹ University of Cincinnati requires a total of 120 credit hours for degree completion. The total number of hours to complete a bachelor's degree represents a range of hours that may be needed depending on the individual course selections made during the associate degree program.			

COMPLETE BACHELOR'S DEGREE	Total Credit Hours
BACHELOR'S DEGREE TOTAL:	120

SPECIAL NOTES
For more information, please contact: Transfer Center transfer@uc.edu 513-556-1100 admissions.uc.edu/information/transfer

SAMPLE DEGREE MAP

THIRD YEAR

SEMESTER 5		SEMESTER 6	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
PHYS3001C Intermediate Physics I	5	PHYS3002C Intermediate Physics II	5
Historical Perspective BoK (HIST discipline)	3	Historical Perspective BoK	3
Foreign Language	5-6	Physics Elective	3
Contemporary Topics BoK	3	Elective	3
Total Semester 5 Credit Hours	16-17	Total Semester 6 Credit Hours	14

FOURTH YEAR

SEMESTER 7		SEMESTER 8	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
PHYS3010 Intermediate Mechanics	4	PHYS3030 Thermodynamics and Statistical Physics	4
PHYS3020 Electricity and Magnetism I	3	PHYS3021 Electricity and Magnetism II	3
PHYS5011 Advanced Laboratory	3	PHYS5020 Introductory Quantum Mechanics I	3
Electives	6	PHYS4099 Physics Capstone	3
Total Semester 7 Credit Hours	16	Total Semester 8 Credit Hours	13