



Physics Transfer Program

Students who complete an **Associate of Science (AS)** degree at Clark State Community College may transfer into the **Physics, Bachelor of Science (B.S.)**, or the **Physics, Bachelor of Arts (B.A.)** at Wright State University. Students should verify their satisfactory academic progress (SAP) requirements with the financial aid office before pursuing classes outside of their AS degree requirements.


Admission Requirements to the Physics Program at Wright State

1. Cumulative GPA of 2.25
2. 15 credit hours earned
3. Grade of C or higher in one PHY course

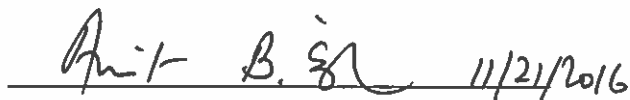
Additional Information

- Academic information, advisor contacts, and faculty research can be found at <http://science-math.wright.edu/physics>.

This agreement will expire two years from date of signature. Please note, requirements are subject to change. Contact a Wright State advisor in your major at least once a year to verify current requirements.

Handwritten signature of Thomas Sudkamp in black ink, dated 11/11/2016.

Dr. Thomas Sudkamp
Provost & Vice President for Curriculum and
Instruction
Wright State University

Handwritten signature of Amit B. Singh in black ink, dated 11/21/2016.

Dr. Amit B. Singh
Provost & Vice President of Academic Affairs
Clark State Community College

**Clark State Community College, Associate of Science
to
Wright State University, Physics B.A. or B.S.**

Clark State Course	Credit Hours	Wright State Course/Requirement
Area I: English (6 hours)		
ENG 1111 English I	3	ENG 1100
ENG 1112 English II	3	ENG 2100
Area II: Communication (3 hours)		
One approved COM class from COM 1110, 1120, 1130, 1170, 2220	3	General Elective
Area III: Literature/Arts/Humanities (9 hours)		
ENG 2300 Great Books: World Literature (or other OTM approved English Literature)	3	ENG 2040 (Arts/Humanities Core)
Choose 1: HST 1110 Western Civilization to 1600 HST 1120 Western Civilization since 1600 Or other OTM approved HST)	3	History Core: HST 1100 HST 1200
Choose 1 additional OTM approved Art/Humanities	3	Global Studies Core substitution
Area IV: Social Sciences (9 hours)		
Choose 3 OTM approved Social Science	9	Social Science Core and Additional Core
Area V: Mathematics (5 hours)		
MTH 2200 Calculus I	5	MTH 2300 (Math Core)
Area VI: Natural Science (10 hours)		
PHY 2501 College Physics I with Calculus	5	PHY 2400 & Lab
PHY 2502 College Physics II with Calculus	5	PHY 2410 & Lab
Foundations (1 hour)		
FYE 1100 or 1000	1	General Elective
Concentration Electives (19 hours)		
CHM 1210 General Chemistry I	5	CHM 1210 and 1210L
CHM 1220 General Chemistry II	5	CHM 1220 and 1220L
MTH 2220 Calculus II	4	MTH 2310
MTH 2240 Multivariate Calculus	5	MTH 2320
Total	62	

By completing the associate degree and the Ohio Transfer Module at Clark State, students will have met the requirements for the Wright State Core. Students must complete at least two designated Integrated Writing courses in the major at Wright State.

The following additional coursework will be required to complete the **Physics, Bachelor of Science**, at Wright State University. Clark State equivalents are identified for students wishing to complete additional hours beyond the AS before transferring to Wright State.

Course Number and Title	Credit Hours
DEPARTMENT REQUIREMENTS	
PHY 1000 Undergraduate Physics Seminar I	1
PHY 1010 Undergraduate Physics Seminar II	1
PHY 2420 Introduction to Modern Physics	3
PHY 3710 Analytical Mechanics	3
PHY 4500 Electricity and Magnetism I	3
PHY 4510 Electricity and Magnetism II	3
PHY 3150 Physics Instrumentation	3
PHY 3220 Applied Optics	3
PHY 3500 Advanced Physics Laboratory I	2
PHY 3510 Advanced Physics Laboratory II	2
DEPARTMENT ELECTIVES	
PHY 4600 Introduction to Quantum Mechanics I	3
PHY 4610 Introduction to Quantum Mechanics II	3
PHY 4830 Statistical Mechanics	3
PHY 4940 Senior Project	6
RELATED COURSE REQUIREMENTS	
MTH 2330 Differential Equations or MTH 2350 Differential Equations with Matrix Algebra (<i>Clark State's MTH 2330</i>)	3-4
MTH 2530 Elementary Linear Algebra (<i>Clark State's MTH 2530</i>)	3
MTH 3320 Complex Variables	3
MTH 3330 Partial Differential Equations	3
General Electives (Consult a Wright State advisor about Clark State courses that might fulfill this requirement)	6-9
Total	58

The following additional coursework will be required to complete the **Physics, Bachelor of Arts**, at Wright State University. Clark State equivalents are identified for students wishing to complete additional hours beyond the AS before transferring to Wright State.

Course Number and Title	Credit Hours
DEPARTMENT REQUIREMENTS	
PHY 2420 Introduction to Modern Physics	3
PHY 3710 Analytical Mechanics	3
PHY 4500 Electricity and Magnetism I	3
PHY 3150 Physics Instrumentation	3
PHY 3220 Applied Optics	3
PHY 3500 Advanced Physics Laboratory I	2
Physics Elective	3
RELATED COURSE REQUIREMENTS	
MTH 2330 Differential Equations or MTH 2350 Differential Equations with Matrix Algebra (<i>Clark State's MTH 2330</i>)	3-4
MTH 2530 Elementary Linear Algebra (<i>Clark State's MTH 2530</i>)	3
NON-SCIENCE ELECTIVES Select 14 additional hours of courses from outside CoSM and CECS (4 hours are completed as part of the associate degree) (Consult a Wright State advisor about Clark State courses that might fulfill this requirement)	14
General Electives (Consult a Wright State advisor about Clark State courses that might fulfill this requirement)	17-18
Total	58