TRANSFER GUIDE
Catalog Years: 2025-2027

Norfolk State University Bachelor of Science in Physics

Associate Transfer Degree Plan in Physics

COURSE REQUIREMENTS

Complete at VCCS				Complete at NSU		
BACHELOR'S DEGREE REQUIREMENT	**SATISFIED BY**			**BACHELOR'S DEGREE REQUIREMENT**		
Course	**Credits**	**CC Course**	**Notes**	**Course**	**Credits**	**Notes**
SEM 101 (1 credit), SEM 102 (1 credit), and SEM 201 (1 credit)	1-2	SDV 100 College Success Skills or 101 Orientation	Students will receive 1 or 2 credits based on the number of credits transferred from the VCCS course. Students may need to take SEM 201 or an additional 1 or 2 credits at NSU to meet the 120-credit-hour minimum.	HIS 335, HIS 336, HIS 371, HRP 320	3	Cultural Perspectives - Social Sciences
ENG 101	3	ENG 111 College Comp I		PED 100 and HED 100	3	Students may take these courses at VCCS if possible.
ENG 102	3	ENG 112 College Comp II		Electives (unrestricted)	9	
General Education	3	Any UCGS Art or Humanities	These two courses must come from two different disciplines.	Social Science Elective from the General Core	3	
General Education Humanities (e.g. ENG 207, FIA 201, or MUS 301)	3	Any UCGS Art, Humanities, or Literature				
General Education Social Sciences (e.g. SOC 101, BUS 175, or ECN 200)	3	Any UCGS Social & Behavioral Sciences		PHY 345	3	
HIS 100 Level	3	Any UCGS History		PHY 350	3	
MTH 184	4	MTH 263 Calculus I		PHY 351	2	
PHY 160	4	PHY 241 University Physics I	Prerequisite: students must have completed MTH 263 with a C or better	PHY 365	3	
MTH 251	4	MTH 264 Calculus II		PHY 366	3	
PHY 161	4	PHY 242 University Physics II	Prerequisite: students must have completed PHY 241 and MTH 264 with a C or better	PHY 375	3	
MTH 252	4	MTH 265 Calculus III		PHY 380	3	
MTH 372	3	MTH 267 Differential Equations		PHY 399	2	

MTH 300	3	MTH 266 Linear Algebra		PHY 445	3	
CHM 221, CHM 221L, CHM 222, CHM 222L	8	**Select 1-2 courses from:** CHM 111 Gen Chem I, CHM 112 Gen Chem II, CSC 221 Intro to Problem Solving and Prog, CSC 222 Object-Oriented Prog	CHM 111 Gen Chem I and CHM 112 Gen Chem II are recommended.	PHY 356	3	
CSC 169 ENG 285 (Public Speaking)	6	Students who have completed all prerequisites and community college and four-year college requirements (e.g. World Languages, ITE, CST) should take additional courses from the rows above or transfer elective courses to fulfill the 60-62 credit requirement.	CSC 110 Principles of Computer Science is recommended CST 100 Principles of Public Speaking or CST 110 Introduction to Human Communication is recommended	PHY 468	3	
		Additional transfer electives, if needed to meet 60 credits		PHY 475	3	
				PHY 480	3	
				PHY 498	2	
				PHY 499	2	
CREDITS PRE-TRANSFER: 60-62				**CREDITS POST-TRANSFER: 60-61**		

TRANSFER GUIDANCE

Guaranteed Admission Agreement between NSU and the VCCS
This degree program is covered by NSU's Guaranteed Admission Agreement.
By meeting the following criteria, you are guaranteed admission to the B.S. in Physics:

- Earn a transfer associate degree based on the Physics curriculum.
- Earn a minimum of 2.0 GPA for the associate degree.
- A maximum of 63 credits will transfer and apply toward a bachelor's degree requirements.
- Submit your transfer application for admission by March 1, including an unofficial transcript.
- Request an official transcript to be sent upon completing the associate degree.
- Transfer within four years of first enrolling at the community college and within one year of completing the appropriate associate degree.

Please visit the www.TransferVirginia.org portal to find course requirements for different majors (Transfer Tools) and Transfer Guides that outline course requirements for specific majors (Resource Center).
See the VCCS Transfer Programs page for more details in our Guaranteed Admission Agreement.

No letter of intent is required to apply for guaranteed admission.

This transfer guide shows an optimal path to a bachelor's degree in Physics at Norfolk State University. Completing the coursework above will position you to transfer to NSU in Physics with junior standing and the potential to graduate in two years. If you complete the associate degree but haven't taken all of the recommended courses, you may still be able to pursue a Physics degree at NSU, but your time to graduation may be impacted.

IMPORTANT LINKS & DATES:

- **University Transfer Center:** Transfer Admissions & Services https://www.nsu.edu/transfer
- **Admission Application:** By May 1 at https://www.nsu.edu/Admissions-Aid/Apply-Online
- **Financial Aid:** https://www.nsu.edu/tuition-and-financial-aid
- **FAFSA - Free Application for Federal Student Aid:** By October 1 at https://studentaid.gov/h/apply-for-aid/fafsa

WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- Create a schedule for all required courses, pay attention to prerequisites and when courses are offered, complete your first math and English courses in your first year. For help, see Transfer Steps and Resource Center at www.TransferVirginia.org
- Connect with an advisor at your community college and NSU within your first year. College Connect available in your account at www.TransferVirginia.org

IS THIS DEGREE RIGHT FOR ME?

- As you earn your degree in physics at NSU, you will take courses covering a wide range of foundational topics, such as modern physics, technical writing and public speaking. You will build fundamental skills in collaboration, leadership, and creative problem solving. These attributes will take you beyond the world of science to assist you in standing out in any job market.
- Some of the courses at the core of physics education at NSU include Quantum Mechanics, Differential Equations, Optics, and Mechanics.

WHAT IS THE IMPACT ON MY DEGREE OF WORK I HAVE ALREADY COMPLETED?

- **Transfer Associate Degree Completion:** Completion of a transfer-level associate degree satisfies all lower-division general education requirements.
- **Dual Enrollment – Completion of Associate Degree in HS:** The agreement of guaranteed admission into the college applies to students earning an associate degree concurrent with high school who have completed a transfer associate degree with a minimum of 45 credits completed through a Virginia Community College, with a GPA of 2.0 or higher.
- **Credit for Prior Learning:** All course credits that were awarded by the two-year institution for equivalent prior learning experiences (IB, AP, CLEP, Military, etc.) will transfer based on the transfer equivalence for the course awarded.
- **Catalog Year:** Catalog year determined by first semester of attendance at the community college post high school graduation. For students maintaining continuous enrollment, this entitlement will be in effect for a minimum of four years from the time of the student's first enrollment at the two-year institution. Students must enroll at the four-year institution within one year of completing their associate degree.

IS THIS COLLEGE RIGHT FOR ME?

- NSU has been ranked by U.S. News and World Report as a Top 20 HBCU. in the nation.
- It is close to downtown Norfolk and within driving distance of Virginia Beach.
- On-campus housing is available. Weekend/evening/summer courses are available, and online degree options are available for several programs.
- NSU is a military-friendly institution.
- Learn more about our college at www.TransferVirginia.org.

DID YOU KNOW THAT…

- Completing your Associate transfer degree post-high school satisfies all lower division general education requirements and increases the chance of completing your bachelor's degree?
- Exceeding 3 years or 90 credits at your community college means you may have exhausted your financial aid at that college and have limited your future financial aid at NSU?

WHAT CAN I DO WITH THIS DEGREE?

- Physicists dedicate themselves to uncovering, analyzing and solving some of the biggest mysteries in the universe. Whether it's space exploration, health care or meteorology, the skills you accrue as a Physics major can apply to a diverse range of careers and industries.
- Interested in energy? Use the knowledge and skills you'll accrue with a degree in physics to find more efficient and environmentally friendly ways to find and provide fuel.
- Want to go into engineering? Majoring in physics is a great way to develop the tools to improve or develop products and manufacturing processes for consumers and businesses.
- Career outlook for Physics majors: According to the U.S. Bureau of Labor Statistics, the outlook for jobs with a physics degree is predicted to grow by 8% over the next decade, on par with the average job growth for all occupational fields. Job titles for professionals with a degree in physics include engineer, project manager, physics researcher, educator, programmer, technical writer, meteorologist, and software engineer.
- Explore possible careers, salaries, and job outlook at www.TransferVirginia.org

PROGRAM SUCCESSES & HIGHLIGHTS

- Majoring in physics at NSU gives you exclusive access to world-class faculty, cutting-edge labs and classrooms, and a rich community of students who share your passion for science.

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- NSU accepts close to 90 percent of students who complete an application.
- The average GPA of students admitted is 2.9.
- Learn more about applying at www.TransferVirginia.org.

DO MORE WITH YOUR DEGREE!

- The department offers a Minor in Physics, Minor in Astronomy, Teacher Certification in Physics, M.S. in Materials Science, and Ph.D. in Materials Science and Engineering.