

TRANSFER PATHWAY GUIDE

APPLIED PHYSICS

Bachelor of Science (B.S.)

College of Science and Technology

FAMU

Guide No. CST-09

At-A-Glance



Minimum GPA
2.0



Limited Access
No



Additional Program
Application
No



Test Required
No



Online Option
No



Total Credits
60

Important Notes

- Must earn a grade C or higher in courses unless otherwise indicated.
- Foreign Language Requirements: All undergraduate students are **required** to have **two** years of Foreign Language study **prior** to graduation with a bachelor's degree from Florida A&M University.
- Civic Literacy Requirement must be met prior to graduation.



RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

Fall	Spring
ENC 1101 Freshman Comm Skills I (3)	ENC 1102 Freshmen Comm Skills II (3)
MAC 2311 Calculus I (4)	MAC 2312 Calculus II (4)
PHY 2048/2048L General Physics I w/Lab (5)	PHY 2049/2049L General Physics II w/Lab (5)
PHI 1100 Critical Inquiry (3)	AMH 2091 Intro to African-American History or AFA 3104 (3)
Total: 15	Total: 15

YEAR 2

Fall	Spring
PHZ 3113 Mathematical Methods of Physics I (3)	PHZ 3114 Mathematical Methods of Physics II (3)
MAP 2302 Differential Equations (3)	CHM 1046/CHM 1046L General Chemistry w/Lab - II (4)
CHM 1045/CHM 1045L General Chemistry/Lab - I (4)	Humanities Elective (3)
BSC 1005/1005L Biological Science w/Lab (4)	Elective Humanities or Computer Science (3)
Elective Humanities or Calculus III (3)	
Total: 17	Total: 13



JOB OUTLOOK

Overall employment of physicists is projected to grow 4 percent from 2024 to 2034, about as fast as the average for all occupations. About 1,800 openings for physicists and astronomers are projected each year, on average, over the decade.

Career Opportunities

- **Analysis:** Financial, business, economic and scientific analysis are all options for physicists and other professionals with physics degrees, as many of these roles apply predictive modeling, statistical research and data analysis.
- **Mechanics and Engineering Design:** Many physicists work in the engineering sector, where they help engineers and designers develop and test machines, systems and individual components, including aircraft, propellant systems and various mechanical parts that support chemical and physical processes.
- **Medical and Health Care:** Physicists can also specialize in the medical and pharmaceutical sectors, where they may work with researchers and clinicians to develop medicines, health care treatments or medical equipment.
- **Academics:** Physics graduates with doctorate degrees can often find opportunities teaching in universities and educational institutions.



NEXT STEPS



CONTACT US

Program Website

<https://www.famu.edu/academics/all-programs/cst/physics-applied-physics-bs.php>

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