

ABOUT THE MAJOR

Physics is a fundamental physical science. Its essentials form the foundation of all sciences as well as engineering and technology. The world of physics ranges from the smallest particles of subatomic matter to the galaxies. Physicists conduct research into the basic laws of nature or use existing knowledge about the physical world to develop applications and to design new products. A degree in physics prepares the student for a career in physics or related job industry, a governmental lab, teaching, as well as for further graduate study.

Plan C is designed so that students earn credit towards the master's in business administration. In this plan, students obtain a B.S. in physics with a business concentration in four years. Students who are interested in entering the technological business world are thus enabled to complete their M.B.A. in the fifth year at West Georgia.

ABOUT THIS MAP

This program map is intended ONLY as a guide for students to plan their course of study. It does NOT replace any information in the Undergraduate Catalog, which is the official guide for completing degree requirements. Use this map to help plan and guide your experience at UWG, including academic, co-curricular, and discovery opportunities. Everyone's experience is different and activities in this map are suggestions. Always consult with your advisors whenever possible for new opportunities and updates.

Visit westga.edu/program-maps for the latest version of this major map.



VISIT WOLFWATCH
FOR MORE
INFORMATION.



HAVE A QUESTION?
CHECK IN WITH
YOUR ADVISOR!



WHERE CAN YOU GO WITH THIS DEGREE?

- Aerospace Engineer
- Astronomer
- Data Scientist
- Geophysicist
- Lab Manager
- Medical Physicist
- Optical Engineer
- Physics Teacher
- Professor
- Research Scientist

ADD A CERTIFICATE

- Advertising
- Atmospheric Science
- Data Analytics
- International Business
- Sales
- Sustainable Business

HONORS COLLEGE

Consider joining if you have an Overall GPA of 3.2 and earned 15 college credit hours!

PHYSICS

BUSINESS CONCENTRATION

Bachelor of Science

60

CORE CREDIT HOURS

48

MAJOR CREDIT HOURS

15

ELECTIVE CREDIT HOURS



UNIVERSITY OF WEST GEORGIA

2024-2025

TERM 1: FALL

C1: ENGL 1101 3 CREDIT HOURS
English Composition I

M: MATH 1113 4 CREDIT HOURS
Precalculus

I2: XIDS 2001 1 CREDIT HOUR
The Physical Universe

XIDS 2002 2 CREDIT HOURS
First-Year Seminar

T1: SCIENCE + LAB 4 CREDIT HOURS

- MILESTONES:**
- COMPLETE ENGL 1101 WITH C OR BETTER
 - COMPLETE MATH 1113

TERM 2: SPRING

C2: ENGL 1102 3 CREDIT HOURS
English Composition II

T3: MATH 1634 4 CREDIT HOURS
Calculus I

I1: COMM 1110 3 CREDIT HOURS
Public Speaking

BUSA 2106 3 CREDIT HOURS
Legal and Ethical Environment of Business

T2: SCIENCE + LAB 4 CREDIT HOURS

- MILESTONES:**
- COMPLETE ENGL 1102 WITH C OR BETTER
 - COMPLETE CALCULUS I

**14 FALL CREDIT HOURS + 17 SPRING CREDIT HOURS
= 31 CREDIT HOURS**

CRUSH YOUR COURSEWORK

- Enroll in XIDS 2001: Physical Universe and Core IMPACTS courses.
- Complete math courses through Calculus I.
- Take Principles of Physics I (or ASTR 2313) in your second semester.
- Attend physics workshops.
- Meet with your Physics mentor.

FIND YOUR PLACE

- Meet Physics faculty and learn about their research and scholarship opportunities.
- Join the Physics Engineering club.
- Connect with junior/senior Physics students and ambassadors.

BROADEN YOUR PERSPECTIVES

- Explore diversity, equity, and inclusion resources and opportunities across campus.
- Check out the education abroad office.

CONNECT OFF-CAMPUS

- Visit Wolves Vote to learn about the voting process and registration.
- Consider volunteering for a campaign or organization in your community.

TAKE CARE OF YOURSELF

- Visit the UWG Wellness Hub to find all the resources available to you!
- Visit Health Services.
- Get fit! Visit URec to see all your options.
- Visit the Center for Economic Education and Financial Literacy.

PAVE YOUR PATH

- Complete a self-assessment to see what careers and majors are right for you.
- Visit Office of Career and Graduate School Connections.
- Create your profile on Handshake.
- Consider applying for an on-campus job.

TERM 1: FALL

F: PHYS 2211/2211L 4 CREDIT HOURS
Principles of Physics I

F: MATH 2644 4 CREDIT HOURS
Calculus II

ACCT 2101 3 CREDIT HOURS
Principles of Accounting I

A: HUMANITIES 3 CREDIT HOURS

P: CITIZENSHIP 3 CREDIT HOURS

TERM 2: SPRING

F: PHYS 2212/2212L 4 CREDIT HOURS
Principles of Physics II

F: MATH 2654 4 CREDIT HOURS
Calculus III

ACCT 2102 3 CREDIT HOURS
Principles of Accounting II

MATH 3063 3 CREDIT HOURS
Applied Statistics

A: HUMANITIES 3 CREDIT HOURS

- MILESTONES:**
- COMPLETE PRINCIPLES OF PHYSICS SEQUENCE
 - COMPLETE MATH UP TO ODE

**17 FALL CREDIT HOURS + 17 SPRING CREDIT HOURS
= 34 CREDIT HOURS**

CRUSH YOUR COURSEWORK

- Complete Principles of Physics.
- Take Modern, Mathematical, Mechanics, E&M and Thermal.
- Establish your pathway/concentration.
- Take core and electives to balance upper-level coursework.

FIND YOUR PLACE

- Become a Student Assistant for a physics lab, workshops or the Observatory.
- Get involved in research or an internship.
- Apply for summer internships or REUs.
- Attend a scientific conference.

BROADEN YOUR PERSPECTIVES

- In a student organization? Suggest you all complete an implicit bias workshop.
- Consider a study abroad program. Check out students' stories of their experiences.

CONNECT OFF-CAMPUS

- Complete an internship in your field.
- Consider a summer or part-time job.
- Ask your department about networking opportunities with alumni.

TAKE CARE OF YOURSELF

- Take a fitness class, climb the rock wall, or join an intramural team.
- Consider whether counseling is right for you: take a mental health screening.

PAVE YOUR PATH

- Draft your resume and attend a resume blitz.
- Learn about how to network on social media and update your Handshake profile.
- Draft your personal statement.
- Visit the graduate school to find out about graduate programs and admission requirements.

TERM 1: FALL

PHYS 3503 Modern Physics	3 CREDIT HOURS
MKTG 3803 Principles of Marketing	3 CREDIT HOURS
CISM 2201 Foundations of Business and Spreadsheet Analysis	3 CREDIT HOURS
FOREIGN LANGUAGE	3 CREDIT HOURS
S: SOCIAL SCIENCE	3 CREDIT HOURS

TERM 2: SPRING

PHYS 3213 Thermodynamics	3 CREDIT HOURS
CISM 3330 Management of Information Systems	3 CREDIT HOURS
FOREIGN LANGUAGE	3 CREDIT HOURS
P: CITIZENSHIP	3 CREDIT HOURS
PHYS ELECTIVE	3 CREDIT HOURS

15 FALL CREDIT HOURS + 15 SPRING CREDIT HOURS = 30 CREDIT HOURS

CRUSH YOUR COURSEWORK

- Complete Principles of Physics.
- Take Modern, Mathematical, Mechanics, E&M and Thermal.
- Establish your pathway/concentration.
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FIND YOUR PLACE

- Become a Student Assistant for a physics lab, workshops or the Observatory.
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TERM 1: FALL

CS 1301 Computer Science I	4 CREDIT HOURS
PHYS 3511 Experimental Physics I	1 CREDIT HOUR
PHYS ELECTIVE	3 CREDIT HOURS
PHYS ELECTIVE	3 CREDIT HOURS
S: SOCIAL SCIENCE	3 CREDIT HOURS

TERM 2: SPRING

PHYS 3521 Experimental Physics II	1 CREDIT HOUR
PHYS 4984 Physics Seminar	1 CREDIT HOUR
MGNT 3600 Management	3 CREDIT HOURS
FINC 3511 Corporate Finance	3 CREDIT HOURS
PHYS ELECTIVE	3 CREDIT HOURS
PHYS ELECTIVE	3 CREDIT HOURS

14 FALL CREDIT HOURS + 14 SPRING CREDIT HOURS = 28 CREDIT HOURS

CRUSH YOUR COURSEWORK

- Finish your degree requirements.
- Complete your research/internships.
- Present at a conference.
- Write a scientific paper.
- Finish strong.

FIND YOUR PLACE

- Become a Physics Ambassador.
- Expand your professional network.
- Apply for internships in local industries or graduate programs.
- Attend career fairs. Send your resume to one of our alumni.

BROADEN YOUR PERSPECTIVES

- Assess your cultural competency.
- Consider working abroad and research visa regulations.
- Explore practices of creating more inclusive careers.

CONNECT OFF-CAMPUS

- Ask for advice from professionals in your field of interest.
- Explore career shadowing opportunities.

TAKE CARE OF YOURSELF

- Explore a farmer's market for fresh produce.
- Develop a post-graduation exercise plan.
- Explore your loan repayment options and complete your exit counseling.

PAVE YOUR PATH

- Request references from professors and supervisors.
- Draft your resume cover letter and personal statement and revise it with career services.
- Attend business fairs and career fairs at UWG and across the state.
- Attend an interview workshop.
- Apply for graduate programs.