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.

WHERE CAN YOU GO WITH THIS DEGREE?

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

60
CORE CREDIT HOURS

48
MAJOR CREDIT HOURS

15
ELECTIVE CREDIT HOURS

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!

HONORS COLLEGE
Consider joining if you have an Overall GPA of 3.2 and earned 15 college credit hours!
## YEAR 1

### TERM 1: FALL

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1: ENGL 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>M: MATH 1113</td>
<td>Precalculus</td>
<td>4</td>
</tr>
<tr>
<td>I2: XIDS 2001</td>
<td>The Physical Universe</td>
<td>1</td>
</tr>
<tr>
<td>XIDS 2002</td>
<td>First-Year Seminar</td>
<td>2</td>
</tr>
<tr>
<td>T1: SCIENCE + LAB</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

**MILESTONES:**
- Complete ENGL 1101 with C or better
- Complete MATH 1113

### TERM 2: SPRING

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>C2: ENGL 1102</td>
<td>English Composition II</td>
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<tr>
<td>T3: MATH 1634</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>I1: COMM 1110</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 2106</td>
<td>Legal and Ethical Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>T2: SCIENCE + LAB</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

**MILESTONES:**
- Complete ENGL 1102 with C or better
- Complete Calculus I

### 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

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

### BROADER YOUR PERSPECTIVES

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

### CONNECT OFF-CAMPUS

- Visit the IMC Wellness Hub to find all the resources available to you!
- Visit Health Services.
- Get fit! Visit Office to see all your options.
- Take a fitness class, climb the rock wall, or join an intramural team.

### TAKE CARE OF YOURSELF

- 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.

### PAVE YOUR PATH

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

### YEAR 2

### TERM 1: FALL

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>F: PHYS 2211/2211L</td>
<td>Principles of Physics I</td>
<td>4</td>
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<tr>
<td>F: MATH 2644</td>
<td>Calculus II</td>
<td>4</td>
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<tr>
<td>ACCT 2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>A: HUMANITIES</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>P: CITIZENSHIP</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

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

### TERM 2: SPRING

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Principles of Physics II</td>
<td>4</td>
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<tr>
<td>F: MATH 2654</td>
<td>Calculus II</td>
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<tr>
<td>ACCT 2102</td>
<td>Principles of Accounting II</td>
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</tr>
<tr>
<td>A: HUMANITIES</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**MILESTONES:**
- Complete Principles of Physics.

### CRUSH YOUR COURSEWORK

- 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.

### FIND YOUR PLACE

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

### BROADER YOUR PERSPECTIVES

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

### CONNECT OFF-CAMPUS

- 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.

### TAKE CARE OF YOURSELF

- Draft your resume and attend a résumé 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.

### PAVE YOUR PATH

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

15 FALL CREDIT HOURS + 15 SPRING CREDIT HOURS = 30 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

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

14 FALL CREDIT HOURS + 14 SPRING CREDIT HOURS = 28 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

TERM 4

**CRUSH YOUR COURSEWORK**

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

**FIND YOUR PLACE**

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

**BROADEN YOUR PERSPECTIVES**

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

**CONNECT OFF-CAMPUS**

• 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.

**TAKE CARE OF YOURSELF**

• 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.

**PAVE YOUR PATH**

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

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