BS PHYSICS

CORE CREDIT HOURS
60

MAJOR CREDIT HOURS
48

ELECTIVE CREDIT HOURS
15

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.
### Year 1

#### Term 1: Fall
- **A1:** ENGL 1101
  - English Composition I
- **A2:** MATH 1113
  - Pre-calculus
- **XIDS 2002**
  - First-Year Seminar Course
- **B2:** XIDS 2001
  - The Physical Universe

**D1: Science + Lab**

**Milestones:**
- Complete ENGL 1101 C or better
- Complete MATH 1113

**Credits:**
- 3

#### Term 2: Spring
- **A1:** ENGL 1102
  - English Composition II
- **B1:** COMM 1110
  - Public Speaking
- **D2:** MATH 1634
  - Calculus I
- **BUSA 2106**
  - Legal and Ethical Environment of Business

**D1: Science + Lab**

**Milestones:**
- Complete ENGL 1102 C or better
- Complete MATH 1113

**Credits:**
- 4

**Total Credits for Year 1:**
- 31

### Year 2

#### Term 1: Fall
- **F:** PHYS 2211/2211L
  - Principles of Physics I
- **F:** MATH 2644
  - Calculus II
- **ACCT 2101**
  - Principles of Accounting I

**C or E**
- Humanities/Fine Arts or Social Science

**Credits:**
- 3

#### Term 2: Spring
- **F:** PHYS 2212/2212L
  - Principles of Physics II
- **F:** MATH 2654
  - Calculus III
- **ACCT 2102**
  - Principles of Accounting II
- **MATH 3063**
  - Applied Statistics

**C or E**
- Humanities/Fine Arts or Social Science

**Credits:**
- 3

**Milestones:**
- Complete Principles of Physics Sequence
- Complete MATH up to ODE

**Total Credits for Year 2:**
- 34

**Total Credits for Program:**
- 65

14 Fall Credit Hours + 17 Spring Credit Hours = 31 Credit Hours

17 Fall Credit Hours + 17 Spring Credit Hours = 34 Credit Hours
### Program Map

**Year 3**

#### TERM 1: FALL

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHYS 3503</td>
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<tr>
<td>MKTG 3803</td>
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<td>CISM 2201</td>
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<tr>
<td><strong>Core</strong></td>
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<tr>
<td><strong>Foreign Language</strong></td>
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**Term 2: Spring**

<table>
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<td>CISM 3330</td>
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<td><strong>Core</strong></td>
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<tr>
<td><strong>Phys Elective</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Foreign Language</strong></td>
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**15 Fall Credit Hours + 15 Spring Credit Hours = 30 Credit Hours**

**Year 4**

#### TERM 1: FALL

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<tr>
<td><strong>Phys Elective</strong></td>
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</tr>
<tr>
<td><strong>Phys Elective</strong></td>
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</table>

**Term 2: Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHYS 3521</td>
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<td>PHYS 4984</td>
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<tr>
<td>MGMT 3600</td>
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<tr>
<td><strong>FinC 3511</strong></td>
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<tr>
<td><strong>Phys Elective</strong></td>
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<tr>
<td><strong>Phys Elective</strong></td>
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</tbody>
</table>

**14 Fall Credit Hours + 14 Spring Credit Hours = 28 Credit Hours**
**READY**

**FIRST YEAR**
- Enroll in XIDS 2001: Physical Universe and Core 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.
- 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 and Financial Literacy

**TAKE CARE OF YOURSELF**
- Complete a self-assessment to see what careers and majors are right for you.
- Visit Career Services
- Create your profile on Handshake
- Consider applying for an on-campus job

**GO**

**MIDDLE YEARS**
- 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.

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

- 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.

- 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.

- 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.

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

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

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

- 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
CAREERS
WHERE CAN YOU GO WITH THIS DEGREE?

AEROSPACE ENGINEER
ASTRONOMER
DATA SCIENTIST
GEOPHYSICIST
LAB MANAGER
MEDICAL PHYSICIST
OPTICAL ENGINEER
PHYSICS TEACHER
PROFESSOR
RESEARCH SCIENTIST