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  
  Precalculus  
  
- **B1:** XIDS 2002  
  First-Year Seminar Course  
  
- **B2:** XIDS 2001  
  The Physical Universe  
  
- **D1:** CHEM 1211/1211L  
  Principles of Chemistry I  
  
*MILESTONES:*
- COMPLETE ENGL 1101 C OR BETTER
- COMPLETE MATH 1113

#### TERM 2: SPRING

- **A1:** ENGL 1102  
  English Composition II  
  
- **B1:** CHEM 1212/1212L  
  Principles of Chemistry II  
  
- **D1:** MATH 1634  
  Calculus I  
  
- **B, C, or E:**  
  Institutional Option, Humanities/Fine Arts, or Social Science  
  
*MILESTONES:*
- COMPLETE ENGL 1102 C OR BETTER
- COMPLETE CALCULUS I

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

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### YEAR 2

#### TERM 1: FALL

- **F:** PHYS 2211/2211L  
  Principles of Physics I  
  
- **F:** MATH 2644  
  Calculus II  
  
- **B, C, or E:**  
  Institutional Option, Humanities/Fine Arts, or Social Science  
  
- **B, C, or E:**  
  Institutional Option, Humanities/Fine Arts, or Social Science  
  
#### TERM 2: SPRING

- **F:** PHYS 2212/2212L  
  Principles of Physics II  
  
- **F:** MATH 2654  
  Calculus III  
  
- **MATH 3303**  
  Ordinary Differential Equations  
  
- **B, C, or E:**  
  Institutional Option, Humanities/Fine Arts, or Social Science  
  
*MILESTONES:*
- COMPLETE INTRODUCTORY PHYSICS SEQUENCE
- COMPLETE MATH UP TO CALCULUS III

### 14 FALL CREDIT HOURS + 14 SPRING CREDIT HOURS = 28 CREDIT HOURS
**TERM 1: FALL**

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>PHYS 3503 Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 3113 Mechanics</td>
<td>3</td>
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<tr>
<td>PHYS 4513 OR 4523</td>
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**TERM 2: SPRING**

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<tbody>
<tr>
<td>PHYS 3213 Thermodynamics</td>
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</tr>
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<td>PHYS 3313 Electricity and Magnetism</td>
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| Bl. C. or E: Institutional Option, Humanities/Fine Arts, or Social Science | 3 |

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<tr>
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| Elective: Institutional Option, Humanities/Fine Arts, or Social Science | 3 |

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<tr>
<td>PHYS ELECTIVE</td>
<td>3</td>
</tr>
<tr>
<td>Elective: 10 hours of Electives</td>
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| Elective: Institutional Option, Humanities/Fine Arts, or Social Science | 3 |

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

16 FALL CREDIT HOURS + 18 SPRING CREDIT HOURS = 34 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.

**SET**

**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.

**GO**

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

**CRUSH YOUR COURSEWORK**

**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 and Financial Literacy

**PAVE YOUR PATH**
- 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

- 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

- 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