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.
## Program Map

### Year 1

#### Term 1: Fall
- **A1**: ENGL 1101 English Composition I  
- **A2**: MATH 1113 Precalculus  
- **E3**: POLS 1101 American Government  
- **B2**: XIDS 2002 (Recommended) First-Year Seminar Course  
- **C1**: Fine Arts

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

#### Term 2: Spring
- **A1**: ENGL 1102 English Composition II  
- **D2**: MATH 1634 Calculus I  
- **MATH 2009** Sophomore Seminar  
- **F**: CS 1300 Introduction to Computer Science  
- **E2**: HIST 2111 or 2112 US History

*Milestones:*
- Complete A1 requirement
- Complete MATH 1634 C or better

**Total Credit Hours:** 30

### Year 2

#### Term 1: Fall
- **F**: MATH 2644 Calculus II  
- **F**: MATH 2853 Elementary Linear Algebra  
- **CS 1301** Computer Science I  
- **B1**: Written and Oral Communication

*Milestones:*
- Complete Calculus II & CS requirement
- Complete MATH 2644 C or better

#### Term 2: Spring
- **F**: MATH 2654 Calculus III  
- **MATH 3003** Transition to Advanced Mathematics  
- **E2**: Humanities  
- **D1**: Science + Lab

*Milestones:*
- Complete Calculus sequence & D1 requirement

**Total Credit Hours:** 28
<table>
<thead>
<tr>
<th>TERM 1: FALL</th>
<th>TERM 2: SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MATH 3243</strong></td>
<td><strong>MATH 4353</strong></td>
</tr>
<tr>
<td>Advanced Calculus</td>
<td>Complex Analysis</td>
</tr>
<tr>
<td><strong>MATH 3303</strong></td>
<td><strong>MATH 4473</strong></td>
</tr>
<tr>
<td>Ordinary Differential Equations</td>
<td>Combinatorics</td>
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<tr>
<td><strong>MATH 4013</strong></td>
<td><strong>MATH 4513</strong></td>
</tr>
<tr>
<td>Numerical Analysis</td>
<td>Linear Algebra I</td>
</tr>
<tr>
<td><strong>D1: SCIENCE + LAB</strong></td>
<td><strong>DIRECTED ELECTIVE I</strong></td>
</tr>
<tr>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td><strong>D4: SOCIAL SCIENCE</strong></td>
<td><strong>ELECTIVE</strong></td>
</tr>
<tr>
<td>3</td>
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</tbody>
</table>

16 FALL CREDIT HOURS + 15 SPRING CREDIT HOURS = 31 CREDIT HOURS

<table>
<thead>
<tr>
<th>TERM 1: FALL</th>
<th>TERM 2: SPRING</th>
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</thead>
<tbody>
<tr>
<td><strong>MATH 4363</strong></td>
<td><strong>E1: HIST 1111 OR 1112</strong></td>
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<tr>
<td>Partial Differential Equations</td>
<td>World History</td>
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<tr>
<td><strong>MATH 4413</strong></td>
<td><strong>MATH 4483</strong></td>
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<tr>
<td>Abstract Algebra I</td>
<td>Graph Theory</td>
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<tr>
<td><strong>DIRECTED ELECTIVE II</strong></td>
<td><strong>MATH 4983</strong></td>
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<td>3</td>
<td>Senior Project</td>
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<td><strong>ELECTIVE</strong></td>
<td><strong>DIRECTED ELECTIVE III</strong></td>
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<tr>
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<tr>
<td><strong>ELECTIVE</strong></td>
<td><strong>ELECTIVE</strong></td>
</tr>
<tr>
<td>3</td>
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</tbody>
</table>

**MILESTONES:**
* Complete all 120 CREDIT REQUIREMENT

15 FALL CREDIT HOURS + 16 SPRING CREDIT HOURS = 31 CREDIT HOURS

**Key**
- Color: Core Area and Credit Hours
- Color: Elective Course
- Color: Directed Elective Course
<table>
<thead>
<tr>
<th><strong>READY</strong></th>
<th><strong>SET</strong></th>
<th><strong>GO</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST YEAR</strong></td>
<td><strong>MIDDLE YEARS</strong></td>
<td><strong>LAST YEAR</strong></td>
</tr>
</tbody>
</table>
| - Focus on the core courses to build your foundation  
  - Take MATH 1113 and 1634 right away  
  - Complete ENGL 1101 and 1102 | - Complete MATH 2644, 2853, 3003 so that you are able to take advanced math courses  
  - Identify and take courses in the track of your major  
  - Complete other core courses | - Complete other major courses that fit with your career goals and elective in other disciplines  
  - Complete the required senior project  
  - Explore internship opportunities |
| **FIND YOUR PLACE** | **BROADEN YOUR PERSPECTIVES** | **CONNECT OFF-CAMPUS** |
| - Explore campus resources, including the Writing Center, STEM Tutoring Center, etc.  
  - Explore clubs and organizations that are available to you  
  - Visit the Office of Undergraduate Research | - In a student organization? Suggest you all complete an implicit bias workshop  
  - Consider a study abroad program. Check out students’ stories of their experiences | - Hone your leadership skills in clubs/organizations  
  - Ask about undergraduate research conference and presentation opportunities  
  - Explore job opportunities and/or apply to graduate school |
| **TAKE CARE OF YOURSELF** | **TAKE YOUR PATH** | **REQUEST REFERENCES** |
| - Visit Wolves Vote to learn about the voting process and registration  
  - Consider volunteering for a campaign or organization in your community | - Complete an internship in your field  
  - Consider a summer or part-time job  
  - Ask your department about networking opportunities with alumni | - 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 |
| **EXPLORE DIVERSITY, EQUITY, AND INCLUSION RESOURCES AND OPPORTUNITIES ACROSS CAMPUS** | - In a student organization? Suggest you all complete an implicit bias workshop  
  - Consider a study abroad program. Check out students’ stories of their experiences | - Hone your leadership skills in clubs/organizations  
  - Ask about undergraduate research conference and presentation opportunities  
  - Explore job opportunities and/or apply to graduate school |
| - Complete an 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 | - 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 | - Explore a farmer’s market for fresh produce  
  - Develop a post-graduation exercise plan  
  - Explore your loan repayment options and complete your exit counseling |
| - Complete an 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 |
<table>
<thead>
<tr>
<th>CAREERS</th>
<th>WHERE CAN YOU GO WITH THIS DEGREE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTUARY</td>
<td>AUDITOR</td>
</tr>
<tr>
<td>CIVIL ENGINEER</td>
<td>COMPUTER PROGRAMMER</td>
</tr>
<tr>
<td>FINANCIAL ANALYST</td>
<td>MATHEMATICIAN</td>
</tr>
<tr>
<td>MATHEMATICS TEACHER</td>
<td>OPERATIONS ANALYST</td>
</tr>
<tr>
<td>SCIENTIST</td>
<td></td>
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</table>