ABOUT THE MAJOR

The Bachelor of Interdisciplinary Studies is an inquiry-centered degree for students who want to engage in extended study of a complex problem—one with multiple dimensions or interacting parts that cannot be adequately addressed fully within the confines of a single discipline (field of study). For example, a comprehensive answer to the question, “Can democracy work at a global scale?”, would need to combine insights from a mix of disciplines, such as political science, sociology, mass communications, psychology, geography, economics, philosophy, history, and literature. Addressing complex problems necessitates: depth of knowledge in multiple academic fields, intellectual boundary-crossing in search of ideas, concepts, and techniques, and integration of these to produce a comprehensive solution or understanding. Thus, the BIS offers an academic pathway for students who want to work both within and across multiple academic disciplines while systematically developing the techniques and tools of interdisciplinary inquiry and problem-solving.

ABOUT THIS MAP

The Four-Year Plan is designed only as a guide. It does not guarantee: 1) that all courses listed will be offered during a given semester, or 2) if they are offered that the scheduling will not conflict. Estimated time of completion is based on 15 hour semesters, with no summer classes. A change in hours or courses taken during the summer will either reduce (taking 18 hrs or summers) or extend (taking less than 15 hrs) the time needed. 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?

- Applications architect
- Business intelligence developer
- Data Architect
- Data Engineer
- Data Scientist
- Enterprise Architect
- Infrastructure Architect
- Machine Learning Engineer
- Machine Learning Scientist
- Statistician

ADD A CERTIFICATE

- Data Analysis & Evaluation Methods
- Data Analytics
- Ethics
- International Business
- Nonprofit Management & Community Development

Visit westga.edu/program-maps for the latest version of this major map.
**TERM 1: FALL**

**A1: ENGL 1101**
English Composition I

**A2: MATH 1113**
Precalculus

**B2: CS 1300**
Intro to Computer Science

**B1: ORAL COMMUNICATIONS**

**MILESTONES:**
- COMPLETE ENGL 1101 WITH C OR BETTER
- COMPLETE MATH 1113 WITH C OR BETTER
- A CREDIT FROM MATH 1113 AND CS 1300 EACH COUNT AS MAJOR ELECTIVE CREDITS

**CRUSH YOUR COURSEWORK**

- Make sure to take XIDS 2000: Introduction to Interdisciplinary Studies to start your intellectual, boundary-crossing journey!
- Discover your interests in your core classes. These can help you establish your disciplines.

**FIND YOUR PLACE**

- Visit the Office of Undergraduate Research.
- Take a cornerstone course (XIDS 2002).

**BROADEN YOUR PERSPECTIVES**

- Visit UWG’s Academic Transition Programs, and take a cornerstone course (XIDS 2002).
- Explore events, clubs, and organizations available to you! Let the program and/or disciplines you’ve identified guide your search.

**TAKE CARE OF YOURSELF**

- Consider applying for an on-campus job.

**PAVE YOUR PATH**

- 14 FALL CREDIT HOURS + 16 SPRING CREDIT HOURS = 30 CREDIT HOURS

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**TERM 1: FALL**

**E3: POLS 1101**
American Government

**E2: HIST 2111 OR 2112**
US History

**F: CS 1301**
Computer Science I

**F: MATH 2644**
Calculus II

**C2: HUMANITIES**

**MILESTONE:**
- COMPLETE CS 1301 WITH B OR BETTER

**CRUSH YOUR COURSEWORK**

- Attend UWG Scholars’ Day.
- Check out what university associations and community organizations relate to your disciplines.

**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.

**TAKE CARE OF YOURSELF**

- In a student organization? Suggest you all complete an implicit bias workshop.
- In a student organization? Suggest you all complete an implicit bias workshop.

**PAVE YOUR PATH**

- 17 FALL CREDIT HOURS + 16 SPRING CREDIT HOURS = 33 CREDIT HOURS

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**TERM 2: SPRING**

**A1: ENGL 1102**
English Composition II

**F: MATH 1634**
Calculus I

**B2: XIDS 2002**
Recommended First Year Seminar

**D1: SCIENCE + LAB**

**E4: SOCIAL SCIENCE**

**MILESTONES:**
- COMPLETE ENGL 1102 WITH C OR BETTER
- COMPLETE MATH 1634 WITH C OR BETTER
- COMPLETE AREA D1 LAB SCIENCE

**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.

**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.

- 14 FALL CREDIT HOURS + 16 SPRING CREDIT HOURS = 30 CREDIT HOURS

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**TERM 2: SPRING**

**E1: HIST 1111 OR 1112**
World History

**MATH 4203**
Mathematical Probability

**F: MATH 2853**
Elementary Linear Algebra

**CS 1302**
Computer Science II

**C1: FINE ARTS**

**MILESTONE:**
- COMPLETE CS 1302 WITH B OR BETTER
- COMPLETE BIS DEGREE PLAN AND SUBMIT TO REGISTRAR

**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.

- 17 FALL CREDIT HOURS + 16 SPRING CREDIT HOURS = 33 CREDIT HOURS

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<thead>
<tr>
<th>YEAR 3</th>
<th>YEAR 4</th>
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<tbody>
<tr>
<td><strong>TERM 1: FALL</strong></td>
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</tr>
<tr>
<td><strong>MATH 3003</strong> Transition to Advanced Math</td>
<td><strong>MATH 4213</strong> Mathematical Statistics</td>
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<td><strong>CS 3280</strong> Systems Programming</td>
<td><strong>CS 4725</strong> Foundations of Machine Learning</td>
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<tr>
<td><strong>ELECTIVE</strong> 3000-4000 level course</td>
<td><strong>MATH 4803</strong> Analysis of Variance</td>
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<tr>
<td><strong>F: XIDS 2000</strong> Intro to Interdisciplinary Studies</td>
<td><strong>ELECTIVE</strong> 3000-4000 level course</td>
</tr>
<tr>
<td><strong>D1: NON-LAB SCIENCE</strong></td>
<td><strong>ELECTIVE</strong></td>
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<td><strong>MILESTONE:</strong></td>
<td><strong>MILESTONE:</strong></td>
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<td>• FINISH CORE</td>
<td>• FINISH CAPSTONE PROPOSAL/PLAN IN XIDS 3000</td>
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**TERM 2: SPRING**

| **XIDS 3000** Interdisciplinary Methods | **XIDS 4000** Interdisciplinary Capstone |
| **MATH 4483** Graph Theory | **MATH 4813** Regression Analysis |
| **CS 3151** Data Structures and Discrete Math I | **ELECTIVE** |
| **CS 3270** Intelligent Systems | **ELECTIVE** |
| **ELECTIVE OR F: XIDS 2000** | **MILESTONE:** |
| **MILESTONE:** | • COMPLETE CAPSTONE PROJECT, SUBMIT IN XIDS 4000 |

**TERM 2: SPRING**

| **XIDS 3000** Interdisciplinary Capstone | **XIDS 4000** Interdisciplinary Capstone |
| **MATH 4483** Graph Theory | **MATH 4813** Regression Analysis |
| **CS 3151** Data Structures and Discrete Math I | **ELECTIVE** |
| **CS 3270** Intelligent Systems | **ELECTIVE** |
| **ELECTIVE OR F: XIDS 2000** | **MILESTONE:** |
| **MILESTONE:** | • COMPLETE CAPSTONE PROJECT, SUBMIT IN XIDS 4000 |

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<tr>
<td>• Draft your resume and attend a resume blitz.</td>
<td>• Request references from professors and supervisors.</td>
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<td>• Learn about how to network on social media and update your Handshake profile.</td>
<td>• Draft your resume cover letter and personal statement and review it with career services.</td>
</tr>
<tr>
<td>• Draft your personal statement.</td>
<td>• Attend business fairs and career fairs at UWG and across the state.</td>
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<tr>
<td>• Visit the graduate school to find out about graduate programs and admission requirements.</td>
<td>• Attend an interview workshop.</td>
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15 FALL CREDIT HOURS + 15 SPRING CREDIT HOURS = 30 CREDIT HOURS

15 FALL CREDIT HOURS + 12 SPRING CREDIT HOURS = 27 CREDIT HOURS