## Interdisciplinary Arts & Sciences – Mathematical Thinking & Visualization | Bachelor of Arts

### First Year (0-45 credits)

- Explore [IAS Mathematical Thinking & Visualization Webpage](#).
- Meet with [professors/Pre-Major Advisors](#).
- Consider taking the Career Exploration class [BISSKL 250](#).
- Explore [study abroad opportunities](#) through IAS.

### 2nd & 3rd Years (45-135 credits)

- Explore [faculty bio pages](#) and the [undergraduate research database](#) to find research opportunities – earn credit through BIS 398, BIS 492, or BIS 498.
- Explore [graduate school options](#), including program and admission requirements.
- Participate in [Community-Based Learning and Research (CBLR)](#) coursework.
- Participate in a [study abroad program](#).

### 4+ Years (135+credits)

- Complete [BIS 499 Portfolio Capstone](#).
- Apply to graduate school (if applicable), [make an appointment with Career Services](#) to help you with the process.

### Career Development Checklist

- Register on [Handshake](#)
- Develop Resume
- Build LinkedIn & [Handshake](#) profiles
- Network with alumni/industry professionals
- Research careers and skill requirements for your major
- Participate in an internship
- Practice mock interviews
- Develop list of references and recommenders

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### Education

**What do I want to do?**

- Explore IAS Mathematical Thinking & Visualization Webpage
- Meet with professors/Pre-Major Advisors
- Consider taking the Career Exploration class BISSKL 250
- Explore study abroad opportunities through IAS

### Hands on Learning

**What can I do to achieve my goals?**

- Use the UW Bothell’s LinkedIn Alumni page, WOIS.org, What Can I Do With This Major, and O’NET Online to research careers and skill requirements
- Join a club or student government (ASUWB) to build skills in leadership, communication, and working with diverse populations
- Join Student Media to gain experience in book publishing, interviewing, reporting, broadcasting, marketing, and leadership
- Find volunteer opportunities with your community or local non-profit

### Career Preparation

**How can I help myself get a job?**

- Make your first appointment with Career Services to develop your resume and LinkedIn profile
- Register for [Handshake](#) (UW’s free job and internship board) and complete your profile
- Participate in a Career Trek, an interactive opportunity to explore career options and pathways
- Conduct informational interviews with alumni and other industry professionals for career advice, job research, and discuss mentorship opportunities

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### Employment Opportunities:

- Mathematics/Computation Science, Education, Banking and Finance, Insurance

### Related Careers:

- Applied or Theoretical Research, Teaching, Programming, Actuarial Science, Trust Management, Sales

### Licensing/certification:

- Certified Analytics Professional, Math Teaching Certification

### Post-Baccalaureate Degree Paths:

- Master’s or PhD in Math, Data Science or Education

### Companies who have hired on Handshake:

- Workday, Boeing, Microsoft, Amazon, JPMorgan Chase, Snohomish School District, State Farm Insurance

### Professional Associations:

- American Mathematical Society, Mathematical Association of America, Society for Industrial and Applied Mathematics, National Council of Teachers in Mathematics