# Bachelor of Arts in Data Visualization

## Degree Map & Planning Information

## Admissions Information

This program is a declarable major.  If you meet the minimum requirements listed below, you may submit a major declaration form through the UWB website.

Minimum requirements for current UW Bothell students:

- English Composition Coursework (10 credits)
    - B WRIT 133 or B WRIT 134 or ENGL 131 or equivalent Composition Course
    - B WRIT 135 or ENGL 141 or equivalent Composition course
- Statistics Coursework (5 credits)
    - BIS 215 Understanding Statistics or B MATH 215 Health Statistics or B BUS 215 Business Statistics or STAT 220 Statistical Reasoning or equivalent introduction to statistics course
- Pre-Calculus Coursework
    - B MATH 123 Precalculus II or MATH 120 Precalculus
        - If no math course attempted in a College or University, a minimum score of 400 on the MTHDSP can satisfy this prerequisite course. If a math course was attempted that grade will be used.

## Curriculum Information

### General Education

To be eligible for graduation from the University, with the baccalaureate degree, a student must complete a minimum of 180 academic credits and satisfy all other specific requirements. The University of Washington Bothell has established minimum general education requirements for baccalaureate degrees. These minimum requirements are:

English Composition – 5 credits (A minimum grade of 2.0 is required)
Additional Writing – 10 credits
Reasoning (RSN) – 5 credits
Natural Sciences (NSc) – 15 credits
Arts and Humanities (A&H) – 15 credits
Social Sciences (SSc) – 15 credits
Diversity – 5 credits (can overlap with General Education requirements above)

### Major Requirements

For the Data Visualizations major, students must complete the following courses with the following grades (where indicated):

Data Visualization Core Courses

- B DATA 200 Introduction to Data Studies (5 credits)
- B DATA 232 Introduction to Data Visualization (5 credits)
- Either BIS 218 Power of Maps OR B GIS 342 Geographic Information Systems (5 credits)
- Either BES 301 Science Methods and Practice OR BST 301 Scientific Writing (5 credits)

Advanced Data Visualization and Analysis Methods (15 Credits)

Spatial Data Analysis (15 credits)

Data Visualization Electives (25 credits)

Bachelor of Arts- 75 credits total

## Sample 4-year Course Plan

### Year 1

| Autumn | Winter | Spring | Summer |
|---|---|---|---|
| B WRIT 134 (5) | B WRIT 135 (5) | BIS 215 (5) | |
| B CORE (5-A&H or SSc) | A&H or SSc (5) | A&H or SSc (5) | |
| A&H or SSc (5) | NSc (5) | A&H or SSc (5) | |

### Year 2

| Autumn | Winter | Spring | Summer |
|---|---|---|---|
| B DATA 200 (5) | BES 301 or BST 301 (5) | Data Visualization Elective (5) | |
| NSc (5) | BIS 218 or B GIS 342 (5) | Spatial Data Analysis (5) | |
| B DATA 232 (5) | A&H or SSc (5) | Advanced Data Visualization (5) | |

### Year 3

| Autumn | Winter | Spring | Summer |
|---|---|---|---|
| Data Visualization Elective (5) | Data Visualization Elective (5) | Data Visualization Elective (5) | |
| Spatial Data Analysis (5) | Spatial Data Analysis (5) | Data Visualization Elective (5) | |
| Advanced Data Visualization (5) | Advanced Data Visualization (5) | NSc(5) | |

## Year 4

| Autumn | Winter | Spring | Summer |
|---|---|---|---|
| NSc (5) | General Elective or Minor requirement (5) | General Elective or Minor requirement (5) | |
| General Elective or Minor requirement (5) | General Elective or Minor requirement (5) | General Elective or Minor requirement (5) | |
| General Elective or Minor requirement (5) | IPR (5, see website for details) | General Elective or Minor requirement (5) | |

This is a sample schedule of courses based on degree requirements. The actual degree plan may differ depending on the course of study selected, the number of starting credits, or the starting admission point. This guide is not a substitute for academic advising. For more information, contact your academic advisor or visit www.uwb.edu/advising.