



## PATHWAYS GENERAL EDUCATION

Pathways is the general education curriculum at Virginia Tech. As a central component of the undergraduate experience, the Pathways curriculum will allow you to examine the world from multiple perspectives and integrate your knowledge across various disciplines. Along with the coursework required for your major, you will complete credits from nine Pathways concepts (seven core concepts and two integrative concepts).

### Core Concepts

*You will complete a total of 45 credits across seven Pathways core concepts. The number of credits required per concept is listed below.*

**1 Discourse**

**9 credits**  
6 Foundational (1f)  
3 Advanced (1a)

**2 Critical Thinking  
in the Humanities**

**6 credits**

**3 Reasoning in the  
Social Sciences**

**6 credits**

**4 Reasoning in the  
Natural Sciences**

**6 credits**

**5 Quantitative and  
Computational Thinking**

**9 credits**  
3 Foundational (5f)  
3 Advanced (5a)  
3 Foundational OR Advanced

**6 Critique and Practice in  
Design and the Arts**

**6 credits**  
3 Design (6d)  
3 Arts (6a)

**7 Critical Analysis of Identity  
and Equity in the United States**

**3 credits**  
*may be double-counted with  
another core concept*

### Integrative Concepts

*Each Pathways course also meets at least one integrative concept, ensuring that you complete your general education with competency in both ethical reasoning and intercultural and global awareness.*

**Ethical Reasoning**  
Throughout

**Intercultural and Global Awareness**  
Throughout

## Pathways Requirements for the Environmental Data Science Major

Some Pathways requirements are met through your in-major classes, and those not satisfied within your major can be fulfilled by a Pathways minor!

### *Which general education requirements are satisfied by your major?*

- Foundational Discourse (1f)
- 3 credits of Reasoning in the Social Sciences (3)
- Reasoning in the Natural Sciences (4)
- Quantitative and Computational Thinking (5f & 5a)

### *But what about your other requirements?*

- Advanced Discourse (1a)
- Critical Thinking in the Humanities (2)
- 3 credits of Reasoning in the Social Sciences (3)
- Critique and Practice in Design and the Arts (6d & 6a)
- Critical Analysis of Identity & Equity in the US (7)

# How to Choose a Pathways Minor for an Environmental Data Science Major

Wondering how a Pathways minor can complement your major? The chart below maps out which credits are met within your major.\* See the section below for Pathways minors that can help you fill in the gaps.

\*Based on the most recent checksheet. Requirements may vary by student's date of entry and degree option. Consult the checksheet for your date of entry or speak with your advisor.

■ Concepts fulfilled by major requirements    ■ Concepts not fulfilled by major requirements

CONCEPT 1	CONCEPT 2	CONCEPT 3	CONCEPT 4	CONCEPT 5	CONCEPT 6	CONCEPT 7
Foundational ✓	3 credits	✓	✓	Foundational ✓	Design 3 credits	3 credits
Advanced 3 credits	3 credits	3 credits	✓	Advanced ✓	Arts 3 credits	

## Minors That Are a Good Fit for Your Environmental Data Science Major

The Pathways minors listed below offer the most opportunity to fulfill the concepts not met within your major. Click on the name to learn more about each minor, or explore all Pathways minors at [pathways.prov.vt.edu/minors/showcase](https://pathways.prov.vt.edu/minors/showcase).

- [Appalachian Cultures and Environments](#)
- [Climate and Society](#)
- [Ecological Cities](#)
- [Ecosystems for Human Well-Being](#)
- [Housing and Society](#)
- [Innovation](#)
- [Pathways to Sustainability](#)

