PATHWAYS TO GENERAL EDUCATION

What is Pathways?
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
   - 6 Foundational (5f) + 3 Advanced (5a)

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

How do you fulfill your Pathways requirements?
There are a number of options for satisfying your Pathways requirements. You may have already fulfilled credits through high school AP/IB courses or transfer credits. Some of the required coursework for your major will likely also fulfill Pathways credits. For the remainder, you may choose individual courses or complete a compatible Pathways minor (see the following pages).

Visit the Pathways website to search for classes by concept or to view an alphabetical list of Pathways courses: https://www.pathways.prov.vt.edu/about/pathways-guides.html.

Lean more about Pathways at https://www.pathways.prov.vt.edu.
PATHWAYS MINORS FOR THE BIT MAJOR
Fulfill your General Education requirements while earning a minor!

Which general education requirements are satisfied by your major?
- Foundational Discourse (1f)
- Reasoning in the Social Sciences (3)
- Quantitative and Computational Thinking (5f & 5a)

But what about your other requirements?*
- Advanced Discourse (1a)
- Critical Thinking in the Humanities (2)
- Reasoning in the Natural Sciences (4)
- Critique & Practice in Design & the Arts (6a & 6d)
- Critical Analysis of Identity & Equity in the US (7)

A Pathways minor can help you fulfill the requirements that are not met within your major!

Use the table below to find which minors best complement your gen ed needs. On the following page, you can find just one (of many!) possible examples of how a Business Information Technology major and Pathways minor can work together to fulfill your requirements.

Have specific questions about meeting your requirements? Reach out to your advisor!

*Depending on degree option, some of these requirements may be satisfied in-major.

<table>
<thead>
<tr>
<th>Minor</th>
<th>Pathways Concepts in Minor</th>
<th># of Credits in Minor</th>
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<tbody>
<tr>
<td>Adaptive Brain &amp; Behavior</td>
<td>1a 2 3 4</td>
<td>7</td>
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<tr>
<td>Appalachian Cultures &amp; Environments</td>
<td>1a 2 3 4</td>
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<td>Biodiversity Conservation</td>
<td>1a 2 3 4</td>
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<td>Blue Planet</td>
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<td>Civic Agriculture &amp; Food Systems</td>
<td>1a 2 3 4</td>
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<tr>
<td>Climate &amp; Society</td>
<td>1a 2 3 4</td>
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<td>Data &amp; Decisions</td>
<td>1a 2 3 4</td>
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<td>Disabilities Studies</td>
<td>1a 2 3 4</td>
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<td>Ecological Cities</td>
<td>1a 2 3 4</td>
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<td>Ecosystems for Human Well-Being</td>
<td>1a 2 3 4</td>
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<tr>
<td>Event &amp; Experience Management</td>
<td>2 3 5</td>
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<tr>
<td>Global Business Practices to Improve the Human Condition</td>
<td>2 3 5 6a 6d</td>
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<tr>
<td>Global Food Security &amp; Health</td>
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<td>Health Communication</td>
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<td>Innovation</td>
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<td>Integrated Security</td>
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<td>Language Sciences</td>
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<tr>
<td>Materials in Society</td>
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<tr>
<td>Organizational Leadership</td>
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<td>Pathways to Sustainability</td>
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<tr>
<td>Peace Studies &amp; Social Justice</td>
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<td>7</td>
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<tr>
<td>Philosophy, Politics, and Economics</td>
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<tr>
<td>Science, Technology, &amp; Law</td>
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<tr>
<td>Strategic Communication</td>
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<tr>
<td>Visual Arts &amp; Society</td>
<td>1a 2 3 4</td>
<td>7</td>
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You can explore each of these minors in more detail at https://www.pathways.prov.vt.edu/minors/showcase.html
BUSINESS INFORMATION TECHNOLOGY MAJOR
+
APPALACHIAN CULTURES AND ENVIRONMENTS PATHWAYS MINOR

Pathways Requirements

Pathways requires you to complete credit hours across seven concepts. If you’re a BIT major, you will fulfill concepts 1 (foundational), 3, and 5 in your program. The courses that satisfy Pathways requirements are listed inside orange lines in the diagram below.

- **Discourse**
  - ENGL 1105-1106 OR COMM 1015-1016
- **Critical Thinking in the Humanities**
  - STS 3334
- **Reasoning in the Social Sciences**
  - ECON 2005
- **Reasoning in the Natural Sciences**
  - Your choice
- **Quantitative & Computational Thinking**
  - MATH 1524
  - BIT 2405
- **Critique & Practice in Design & the Arts**
  - TA 2404
- **Critical Analysis of Identity & Equity in the US**
  - APS 1704

APCE Minor Requirements

The Appalachian Cultures and Environments minor includes a required 3-credit introductory course, 12 credits of electives (four courses from five areas), and a 3-hour required Capstone Course, for a total of 18 credit hours. Together, these required and elective courses offer numerous possible combinations for completing Pathways concepts 1a, 2, 4, 6 and 7. The diagram to the left illustrates just one possible path for completing the minor and fulfilling your Pathways requirements.

You can find more information about the APCE Pathways minor at:

Wondering how a Pathways minor can complement your BIT major? Using the Appalachian Cultures and Environments minor as an example, the diagram below illustrates how your major and a minor can work together to meet your gen ed needs. Use the table on the previous page to identify other minors that interest you!

*Additional concepts may be met depending on degree option.*