

## CTE PATHWAYS AT INTECH (2024-25)

<p><b>PLANT SCIENCE</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>•</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>•</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• Landscape Management (BTECH) - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Agriculture, Food and Natural Resources</p>	<p><b>FASHION APPAREL AND TEXTILES</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>•</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Fashion Design Merchandising (BTECH)- 0.5</li> </ul> <p><b>Completer Course</b></p> <ul style="list-style-type: none"> <li>• CTE Internship - 0.5</li> </ul> <p>Arts, Audio/Visual Technology and Communications</p>	<p><b>BUSINESS</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Business Communication 1 CE- 0.5</li> <li>• Business Communication 2 - 0.5</li> <li>• Business Leadership 1 - 0.5</li> <li>• Business Office Specialist - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Business Leadership 2 - 0.5</li> <li>• Business Management CE - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• Business and Marketing Capstone - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Business, Finance and Marketing</p>
<p><b>INFORMATION TECHNOLOGY SYSTEMS</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Database Development - 1.0</li> <li>• Information Technology, Intro - 0.5</li> <li>• Network Fundamentals - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Systems 1 - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Systems 2 - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Computer Science and Information Technology</p>	<p><b>PROGRAMMING AND SOFTWARE DEVELOPMENT</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Information Technology, Intro - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 2 CE - 0.5</li> <li>• Database Development - 1.0</li> <li>• Game Development Fundamentals 1 - 0.5</li> </ul> <p><b>Completer Course</b></p> <ul style="list-style-type: none"> <li>• Computer Programming, Advanced - 1.0</li> <li>• Game Development Fundamentals 2 - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Computer Science and Information Technology</p>	<p><b>WEB DEVELOPMENT</b></p> <p><b>Explorer Course</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Database Development - 1.0</li> <li>• Information Technology, Intro - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Course</b></p> <ul style="list-style-type: none"> <li>• Web Development 2 - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• CTE Internship - 0.5</li> </ul> <p>Computer Science and Information Technology</p>

**K-12: TEACHING AS A PROFESSION**

**Explorer Courses**

- English 1010 - 0.5-1.0\*

**Concentrator Courses**

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**Completer Course**

- CTE Internship - 0.5

Education and Training

## CTE PATHWAYS AT INTECH (2025-26)

<p><b>BUSINESS</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Business Communication 1 CE- 0.5</li> <li>• Business Communication 2 - 0.5</li> <li>• Business Leadership 1 - 0.5</li> <li>• Business Office Specialist - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Business Leadership 2 - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• Business and Marketing Capstone - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Business Management and Entrepreneurship</p>	<p><b>INFORMATION TECHNOLOGY SYSTEMS</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Information Technology, Intro - 0.5</li> <li>• Math 1050 - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Systems 1 - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Systems 2 - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Digital Technology</p>	<p><b>PROGRAMMING &amp; SOFTWARE DEVELOPMENT</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Information Technology, Intro - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 2 CE - 0.5</li> <li>• Database Development - 1.0</li> <li>• Game Development Fundamentals 1 - 0.5</li> </ul> <p><b>Completer Course</b></p> <ul style="list-style-type: none"> <li>• Computer Programming, Advanced - 1.0</li> <li>• Game Development Fundamentals 2 - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Digital Technology</p>
<p><b>WEB DEVELOPMENT</b></p> <p><b>Explorer Course</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Information Technology, Intro - 0.5</li> <li>• Math 1050 - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Course</b></p> <ul style="list-style-type: none"> <li>• Web Development 2 - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• CTE Internship - 0.5</li> </ul> <p>Digital Technology</p>	<p><b>HEALTH SCIENCE</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Human Development CE - 0.5</li> <li>• Medical Terminology CE - 0.5</li> <li>• Psychology - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Medical Anatomy &amp; Physiology CE - 1.0</li> </ul> <p><b>Completer Course</b></p> <ul style="list-style-type: none"> <li>• Dental Assistant (BTECH) - 0.5</li> <li>• Medical Assistant (BTECH) - 0.5</li> <li>• Nurse Assistant (BTECH) - 0.5</li> <li>• Pharmacy Technician (BTECH) - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Healthcare &amp; Human Services</p>	

## CTE PATHWAYS AT INTECH (2026-27)

<p><b>ENGINEERING</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Mechanical Design and Engineering 2 - 0.5</li> </ul> <p><b>Completer Course</b></p> <ul style="list-style-type: none"> <li>• Mechanical Design and Engineering 3 - 0.5</li> <li>• Computer Programming, Advanced - 1.0</li> <li>• CTE Internship - 0.5</li> </ul> <p>Advanced Manufacturing &amp; Engineering</p>	<p><b>BROADCASTING &amp; DIGITAL MEDIA</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Digital Media 1 - 0.5</li> <li>• Digital Media 2 - 0.5</li> <li>• Computer Programming 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Digital Media Advanced - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• CTE Internship - 0.5</li> </ul> <p>Arts, Entertainment &amp; Design</p>	<p><b>BUSINESS</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Business Communication 1 CE- 0.5</li> <li>• Business Communication 2 - 0.5</li> <li>• Business Leadership 1 - 0.5</li> <li>• Business Office Specialist - 0.5</li> <li>• Digital Media 1 - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Business Leadership 2 - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• Business and Marketing Capstone - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Business,</p>
<p><b>INFORMATION TECHNOLOGY SYSTEMS</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Information Technology, Intro - 0.5</li> <li>• Math 1050 - 0.5</li> <li>• Network Fundamentals - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>•</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>•</li> <li>• CTE Internship - 0.5</li> </ul> <p>Digital Technology</p>	<p><b>PROGRAMMING AND SOFTWARE DEVELOPMENT</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Information Technology, Intro - 0.5</li> <li>• Math 1050 - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 2 CE - 0.5</li> <li>• Game Development Fundamentals 1 - 0.5</li> </ul> <p><b>Completer Course</b></p> <ul style="list-style-type: none"> <li>• Game Development Fundamentals 2 - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Digital Technology</p>	<p><b>WEB DEVELOPMENT</b></p> <p><b>Explorer Course</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Digital Media - 0.5</li> <li>• Information Technology, Intro - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Course</b></p> <ul style="list-style-type: none"> <li>• Web Development 2 - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• CTE Internship - 0.5</li> </ul> <p>Digital Technology</p>

**HEALTH SCIENCE**

**Explorer Courses**

- Human Development CE - 0.5
- Medical Terminology CE - 0.5
- Psychology - 0.5

**Concentrator Courses**

- Medical Anatomy & Physiology CE - 1.0

**Completer Course**

- Dental Assistant (BTECH) - 0.5
- Medical Assistant (BTECH) - 0.5
- Nurse Assistant (BTECH) - 0.5
- Pharmacy Technician (BTECH) - 0.5
- CTE Internship - 0.5

Healthcare & Human Services

## CTE PATHWAYS AT INTECH (2027-28)

<p><b>ENGINEERING</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Manufacturing Principles 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>•</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming Advanced - 1.0</li> <li>• CTE Internship - 0.5</li> </ul> <p>Advanced Manufacturing &amp; Engineering</p>	<p><b>BUSINESS</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Business Communication 1 CE- 0.5</li> <li>• Business Communication 2 - 0.5</li> <li>• Business Leadership 1 - 0.5</li> <li>• Business Office Specialist - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Business Leadership 2 - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• Business and Marketing Capstone - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Business Management and Entrepreneurship</p>	<p><b>CYBERSECURITY</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Information Technology, Intro - 0.5</li> <li>• Math 1050 - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Principles of Cyber Defense and Ethics - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• CTE Internship - 0.5</li> </ul> <p>Digital Technology</p>
<p><b>INFORMATION TECHNOLOGY SYSTEMS</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Information Technology, Intro - 0.5</li> <li>• Math 1050 - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Systems 1 - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Systems 2 - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Digital Technology</p>	<p><b>PROGRAMMING AND SOFTWARE DEVELOPMENT</b></p> <p><b>Explorer Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Information Technology, Intro - 0.5</li> <li>• Math 1050 - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Courses</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 2 CE - 0.5</li> <li>• Database Development - 1.0</li> <li>• Game Development Fundamentals 1 - 0.5</li> </ul> <p><b>Completer Course</b></p> <ul style="list-style-type: none"> <li>• Computer Programming, Advanced - 1.0</li> <li>• Game Development Fundamentals 2 - 0.5</li> <li>• CTE Internship - 0.5</li> </ul> <p>Digital Technology</p>	<p><b>WEB DEVELOPMENT</b></p> <p><b>Explorer Course</b></p> <ul style="list-style-type: none"> <li>• Computer Programming 1 - 0.5</li> <li>• Computer Science Principles CE - 0.5</li> <li>• Information Technology, Intro - 0.5</li> <li>• Math 1050 - 0.5</li> <li>• Web Development 1 - 0.5</li> </ul> <p><b>Concentrator Course</b></p> <ul style="list-style-type: none"> <li>• Web Development 2 - 0.5</li> </ul> <p><b>Completer Courses</b></p> <ul style="list-style-type: none"> <li>• CTE Internship - 0.5</li> </ul> <p>Digital Technology</p>

**K-12: TEACHING AS A PROFESSION****Explorer Courses**

- Business Communication 1 CE - 0.5
- English 1010 or English 2010 - 0.5
- Human Development CE - 0.5
- Math 1050 - 0.5

**Concentrator Courses**

- Aspiring Educators - 0.5

**Completer Course**

- CTE Internship - 0.5

Education

**HEALTH SCIENCE****Explorer Courses**

- Human Development CE - 0.5
- Medical Terminology CE - 0.5
- Psychology - 0.5

**Concentrator Courses**

- Medical Anatomy & Physiology CE - 1.0

**Completer Course**

- Dental Assistant (BTECH) - 0.5
- Medical Assistant (BTECH) - 0.5
- Nurse Assistant (BTECH) - 0.5
- Pharmacy Technician (BTECH) - 0.5
- CTE Internship - 0.5

Healthcare & Human Services