

CTE PATHWAYS AT INTECH (2025-26)

<p>ENGINEERING</p> <p>Explorer Courses</p> <ul style="list-style-type: none"> • Computer Programming 1 - 0.5 <p>Concentrator Courses</p> <ul style="list-style-type: none"> • <p>Completer Courses</p> <ul style="list-style-type: none"> • Calculus (AP) - 1.0 • Computer Programming, Advanced - 1.0 • CTE Internship - 0.5 <p>Advanced Manufacturing and Engineering</p>	<p>BUSINESS</p> <p>Explorer Courses</p> <ul style="list-style-type: none"> • Business Communication 1 CE- 0.5 • Business Communication 2 - 0.5 • Business Leadership 1 - 0.5 • Business Office Specialist - 0.5 • Web Development 1 - 0.5 <p>Concentrator Courses</p> <ul style="list-style-type: none"> • Business Leadership 2 - 0.5 <p>Completer Courses</p> <ul style="list-style-type: none"> • Business and Marketing Capstone - 0.5 • CTE Internship - 0.5 <p>Business Management and Entrepreneurship</p>	<p>INFORMATION TECHNOLOGY SYSTEMS</p> <p>Explorer Courses</p> <ul style="list-style-type: none"> • Computer Programming 1 - 0.5 • Computer Science Principles CE - 0.5 • Information Technology, Intro - 0.5 • Math 1050 - 0.5 • Network Fundamentals - 0.5 • Web Development 1 - 0.5 <p>Concentrator Courses</p> <ul style="list-style-type: none"> • <p>Completer Courses</p> <ul style="list-style-type: none"> • CTE Internship - 0.5 <p>Digital Technology</p>
<p>PROGRAMMING & SOFTWARE DEVELOPMENT</p> <p>Explorer Courses</p> <ul style="list-style-type: none"> • Computer Programming 1 - 0.5 • Computer Science Principles CE - 0.5 • Information Technology, Intro - 0.5 • Web Development 1 - 0.5 <p>Concentrator Courses</p> <ul style="list-style-type: none"> • Computer Programming 2 CE - 0.5 • Database Development - 1.0 • Game Development Fundamentals 1 - 0.5 <p>Completer Course</p> <ul style="list-style-type: none"> • Computer Programming, Advanced - 1.0 • Game Development Fundamentals 2 - 0.5 • CTE Internship - 0.5 <p>Digital Technology</p>	<p>WEB DEVELOPMENT</p> <p>Explorer Course</p> <ul style="list-style-type: none"> • Computer Programming 1 - 0.5 • Computer Science Principles CE - 0.5 • Information Technology, Intro - 0.5 • Math 1050 - 0.5 • Web Development 1 - 0.5 <p>Concentrator Course</p> <ul style="list-style-type: none"> • Web Development 2 - 0.5 <p>Completer Courses</p> <ul style="list-style-type: none"> • CTE Internship - 0.5 <p>Digital Technology</p>	<p>K-12: TEACHING AS A PROFESSION</p> <p>Explorer Courses</p> <ul style="list-style-type: none"> • English 1010 - 0.5-1.0* <p>Concentrator Courses</p> <ul style="list-style-type: none"> • <p>Completer Course</p> <ul style="list-style-type: none"> • CTE Internship - 0.5 <p>Education and Training</p>

HEALTH SCIENCE

Explorer Courses

- Human Development (HDFS 1500) - 0.5
- Medical Terminology (HEAL 1008) - 0.5
- Psychology - 0.5

Concentrator Courses

- Medical Anatomy & Physiology (HEAL 1500) - 1.0

Completer Course

- Dental Assistant (TEDE 1011-1500) - 0.5
- Medical Assistant (TEMA 1010-1510) - 0.5
- Nurse Assistant (TENA 1100) - 1.0
- Pharmacy Technician (TEPT 1010-1210) - 0.5
- CTE Internship - 0.5

Healthcare & Human Services

CTE PATHWAYS AT INTECH (2026-27)

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

CTE PATHWAYS AT INTECH (2024-25)

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