

CTE PATHWAYS AT INTECH (2024-25)

PLANT SCIENCE Explorer Courses • Concentrator Courses • Completer Courses • Landscape Management CE - 0.5 • CTE Internship - 0.5 Agriculture, Food and Natural Resources	FASHION APPAREL AND TEXTILES Explorer Courses • Concentrator Courses • Fashion Design Merchandising CE - 0.5 Completer Course • CTE Internship - 0.5 Arts, Audio/Visual Technology and Communications	BUSINESS Explorer Courses • Business Communication 1 CE- 0.5 • Business Communication 2 - 0.5 • Business Leadership 1 - 0.5 • Business Office Specialist - 0.5 Concentrator Courses • Business Leadership 2 - 0.5 • Business Management CE - 0.5 Completer Courses • Business and Marketing Capstone - 0.5 • CTE Internship - 0.5 Business, Finance and Marketing
INFORMATION TECHNOLOGY SYSTEMS Explorer Courses • 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 Concentrator Courses • Computer Systems 1 - 0.5 Completer Courses • Computer Systems 2 - 0.5 • CTE Internship - 0.5 Computer Science and Information Technology	PROGRAMMING AND SOFTWARE DEVELOPMENT Explorer Courses • Computer Programming 1 - 0.5 • Computer Science Principles CE - 0.5 • Information Technology, Intro - 0.5 • Web Development 1 - 0.5 Concentrator Courses • Computer Programming 2 CE - 0.5 • Database Development - 1.0 • Game Development Fundamentals 1 - 0.5 Completer Course • Computer Programming, Advanced - 1.0 • Game Development Fundamentals 2 - 0.5 • CTE Internship - 0.5 Computer Science and Information Technology	WEB DEVELOPMENT Explorer Course • 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 Concentrator Course • Web Development 2 - 0.5 Completer Courses • CTE Internship - 0.5 Computer Science and Information Technology

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)

BUSINESS Explorer Courses • 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 Concentrator Courses • Business Leadership 2 - 0.5 Completer Courses • Business and Marketing Capstone - 0.5 • CTE Internship - 0.5 Business Management and Entrepreneurship	INFORMATION TECHNOLOGY SYSTEMS Explorer Courses • 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 Concentrator Courses • Computer Systems 1 - 0.5 Completer Courses • Computer Systems 2 - 0.5 • CTE Internship - 0.5 Digital Technology	PROGRAMMING & SOFTWARE DEVELOPMENT Explorer Courses • Computer Programming 1 - 0.5 • Computer Science Principles CE - 0.5 • Information Technology, Intro - 0.5 • Web Development 1 - 0.5 Concentrator Courses • Computer Programming 2 CE - 0.5 • Database Development - 1.0 • Game Development Fundamentals 1 - 0.5 Completer Course • Computer Programming, Advanced - 1.0 • Game Development Fundamentals 2 - 0.5 • CTE Internship - 0.5 Digital Technology
WEB DEVELOPMENT Explorer Course • 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 Concentrator Course • Web Development 2 - 0.5 Completer Courses • CTE Internship - 0.5 Digital Technology	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 (2026-27)

ENGINEERING Explorer Courses • Computer Programming 1 - 0.5 Concentrator Courses • Mechanical Design and Engineering 2 - 0.5 Completer Course • Mechanical Design and Engineering 3 - 0.5 • Computer Programming, Advanced - 1.0 • CTE Internship - 0.5 Advanced Manufacturing & Engineering	BROADCASTING & DIGITAL MEDIA Explorer Courses • Digital Media 1 - 0.5 • Digital Media 2 - 0.5 • Computer Programming 1 - 0.5 Concentrator Courses • Digital Media Advanced - 0.5 Completer Courses • CTE Internship - 0.5 Arts, Entertainment & Design	BUSINESS Explorer Courses • 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 Concentrator Courses • Business Leadership 2 - 0.5 Completer Courses • Business and Marketing Capstone - 0.5 • CTE Internship - 0.5 Business,
INFORMATION TECHNOLOGY SYSTEMS Explorer Courses • 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 Concentrator Courses • Completer Courses • • CTE Internship - 0.5 Digital Technology	PROGRAMMING AND SOFTWARE DEVELOPMENT Explorer Courses • 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 Concentrator Courses • Computer Programming 2 CE - 0.5 • Game Development Fundamentals 1 - 0.5 Completer Course • Game Development Fundamentals 2 - 0.5 • CTE Internship - 0.5 Digital Technology	WEB DEVELOPMENT Explorer Course • 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 Concentrator Course • Web Development 2 - 0.5 Completer Courses • CTE Internship - 0.5 Digital Technology

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)

ENGINEERING Explorer Courses • Computer Programming 1 - 0.5 • Manufacturing Principles 1 - 0.5 Concentrator Courses • Completer Courses • Computer Programming Advanced - 1.0 • CTE Internship - 0.5 Advanced Manufacturing & Engineering	BUSINESS Explorer Courses • 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 Concentrator Courses • Business Leadership 2 - 0.5 Completer Courses • Business and Marketing Capstone - 0.5 • CTE Internship - 0.5 Business Management and Entrepreneurship	CYBERSECURITY Explorer Courses • 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 Concentrator Courses • Principles of Cyber Defense and Ethics - 0.5 Completer Courses • CTE Internship - 0.5 Digital Technology
INFORMATION TECHNOLOGY SYSTEMS Explorer Courses • 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 Concentrator Courses • Computer Systems 1 - 0.5 Completer Courses • Computer Systems 2 - 0.5 • CTE Internship - 0.5 Digital Technology	PROGRAMMING AND SOFTWARE DEVELOPMENT Explorer Courses • 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 Concentrator Courses • Computer Programming 2 CE - 0.5 • Database Development - 1.0 • Game Development Fundamentals 1 - 0.5 Completer Course • Computer Programming, Advanced - 1.0 • Game Development Fundamentals 2 - 0.5 • CTE Internship - 0.5 Digital Technology	WEB DEVELOPMENT Explorer Course • 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 Concentrator Course • Web Development 2 - 0.5 Completer Courses • CTE Internship - 0.5 Digital Technology

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

- Business Communication 1
- 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