CTE Pathways

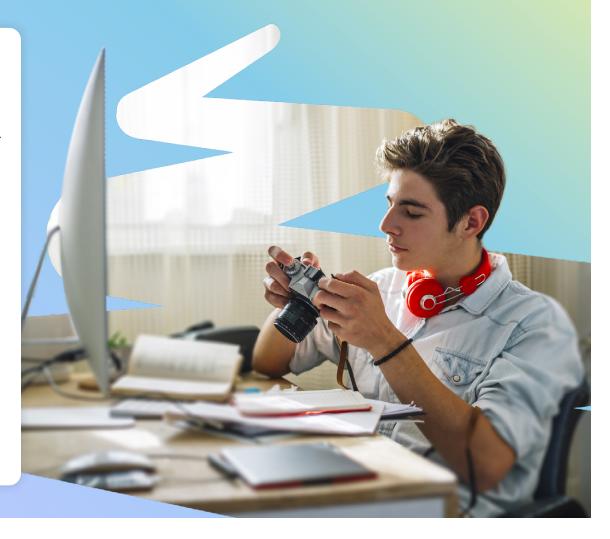## Prepare students to succeed in their chosen career paths

imagine edgenuity

Imagine Edgenuity™ CTE courses are mapped to the learning priorities defined for the National Career Pathways* and support career exploration with hands-on activities that enable students to deepen their experience with their career interests. Additionally, CTE courses that are available through a partnership with eDynamic Learning, support CTE study options for students.

Our courses are mapped to priority topics addressed on national industry-based job certification exams** and encourage students to apply real-world problem-solving and project-based learning experiences while preparing for exams.

To view our full list of CTE offerings, refer to the **Imagine Edgenuity Course Catalog**

*Advance CTE is a national non-profit organization representing state CTE professionals. Advance CTE developed the Career Clusters Framework® which includes commonly referenced Career Clusters and Career Pathways.

**Imagine Edgenuity does not provide certification exams.

Agriculture, Food, and Natural Resources

Career Pathway	Career	Year 1		Year 2		Year 3		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Animal Systems	Animal Assistant	Introduction to Agriculture, Food, and Natural Resources	Agriscience 1: Introduction	Veterinary Science: Care of Animals	College and Career Readiness	Biotechnology 1a: Introduction	Biotechnology 1b: Unlocking Nature's Secrets	NOCTI® Animal Systems
Agricultural Biotechnology	Agriculture Biotechnology	Introduction to Agriculture, Food, and Natural Resources	Agriscience 1: Introduction	Agriscience 2: Sustaining Human Life	Food Products and Processing Systems	Biotechnology 1a: Introduction	Biotechnology 1b: Unlocking Nature's Secrets	NOCTI® Agricultural Biotechnology
Environmental Service Systems	Environmental Specialist	Introduction to Agriculture, Food, and Natural Resources	Agriscience 1: Introduction	Renewable Technologies	Forestry & Natural Resources	Biotechnology 1a: Introduction	Biotechnology 1b: Unlocking Nature's Secrets	
Natural Resource Systems	Ecological Specialist	Introduction to Agriculture, Food, and Natural Resources	Agriscience 1: Introduction	Agriscience 2: Sustaining Human Life	Forestry & Natural Resources	Biotechnology 1a: Introduction	Biotechnology 1b: Unlocking Nature's Secrets	NOCTI® Natural Resource
Plant Systems	Agricultural Technician	Introduction to Agriculture, Food, and Natural Resources	Agriscience 1: Introduction	Agriscience 2: Sustaining Human Life	Forestry & Natural Resources	Biotechnology 1a: Introduction	Biotechnology 1b: Unlocking Nature's Secrets	

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Arts, A/V Technology, and Communications

Career Pathway	Career	Year 1		Year 2		Year 3		Year 4		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
A/V Technology & Film	Animator	Animation 1a: Introduction	Animation 1b: Animating Your Creativity	3D Modeling 1a: Introduction	3D Modeling 1b: Set the Scene	Fundamentals of Digital Media				
Journalism & Broadcasting	Journalist	Expository Reading & Writing	Creative Writing: Unleashing the Core of Your Imagination	Journalism 1a: Introduction	Journalism 1b: Investigating the Truth	Public Speaking 1a: Introduction	Public Speaking 1b: Finding Your Voice			
Performing Arts	Film/Theater Associate	Theater, Cinema, Film Production 1a: Introduction	Theater, Cinema, Film Production 1b: Lights, Camera, Action!	Public Speaking 1a: Introduction	Public Speaking 1b: Finding Your Voice	Digital Photography 1a: Introduction	Digital Photography 1b: Creating Images with Impact			
Visual Arts	Fashion Designer	Introduction to Art A OR Art History I A	Introduction to Art B OR Art History I B	Fashion Design	3D Modeling 1a: Introduction	3D Modeling 1b: Set the Scene	Small Business Entrepreneurship B	Small Business Entrepreneurship B		
	Interior Designer	Introduction to Art A OR Art History I A	Introduction to Art B OR Art History I B	Interior Design	3D Modeling 1a: Introduction	3D Modeling 1b: Set the Scene	Small Business Entrepreneurship A	Small Business Entrepreneurship B		
	Photographer	Digital Photography 1a: Introduction	Digital Photography 1b: Creating Images with Impact	Digital Photography 2: Discovering Your Creative Potential	Introduction to Art A OR Art History I A	Introduction to Art B OR Art History I B	Animation 1a: Introduction	Animation 1b: Animating Your Creativity		

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Business Management and Administration

Career Pathway	Career	Year 1		Year 2		Year 3		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Administrative Services	Administrative Services	Introduction to Business A	Introduction to Business B	Office Administration 1a: Introduction	Office Administration 1b: Running the Office	Business Communications		
	Legal Administrative Specialist	Introduction to Business A	Introduction to Business B	Legal Admin Specialist 1a: Introduction	Legal Admin Specialist 1b: Taking Care of the Legal Office	Business Law		
	Medical Administrative Specialist	Introduction to Business A	Introduction to Business B	Medical Office Administration 1a: Introduction	Medical Office Administration 1b	Business Communications		
Business Information Systems	Business Information Specialist	Introduction to Business A	Introduction to Business B	Business Information Management A	Business Information Management B	MS Office 2019/ Office 365 A	MS Office 2019/ Office 365 B	
Entrepreneurship	Entrepreneur	Introduction to Business A	Introduction to Business B	Small Business Entrepreneurship A	Small Business Entrepreneurship B	Business Law		
General Management	Manager/ General Management	Introduction to Business A	Introduction to Business B	Management 1a: Introduction	Management 1b: Insight & Oversight	Business Law		
Human Resource Management	Human Resources Associate	Introduction to Business A	Introduction to Business B	Management 1a: Introduction	Management 1b: Insight & Oversight	Human Resource Management 1a: Introduction	Human Resource Management 1b	

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Education and Training

Career Pathway	Career	Year 1		Year 2		Year 3		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Teaching & Training — Early Childhood Education	Day Care Worker	Introduction to Human Services	Personal Psychology 1: Road to Self-Discovery	Early Childhood Education 1a: Introduction	Early Childhood Education 1b: Developing Early Learners	Real World Parenting		

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Finance

Career Pathway	Career	Year 1		Year 2		Year 3		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Banking	Bank Clerk	Introduction to Business A	Introduction to Business B	Personal Finance	International Business: Global Commerce in the 21st Century	MS Office 2019/Office 365 A	MS Office 2019/Office 365 B	

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Governance and Public Administration

Career Pathway	Career	Year 1		Year 2		Year 3		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Governance	Public Servant	Business Information Management A	Business Information Management B	Principles of Public Service: To Serve & Protect	Business Communications			
National Security	Agent Specialist	Careers in Criminal Justice 1a: Introduction	Careers in Criminal Justice 1b: Finding Your Specialty	National Security	Military Careers	Cybersecurity 1a: Introduction	Cybersecurity 1b: Defense Against Threats	
Public Management and Administration	Program Administrative Specialist	Principles of Public Service: To Serve & Protect	Introduction to Information Technology A	Introduction to Information Technology B	Business Communications			

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Health Science

Career Pathway	Career	Year 1		Year 2		Year 3		Year 4		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Biotechnology Research & Development	Biotechnician	Introduction to Health Science A	Introduction to Health Science B	Medical Terminology A OR Health Science Concepts A	Medical Terminology B OR Health Science Concepts B	Biotechnician 1a: Introduction	Biotechnician 1b: Advancements in Biotechnology	Biotechnician 2a: Moving into the Lab	Biotechnician 2b	
Diagnostic Services	EKG/ECG Technician	Introduction to Health Science A	Introduction to Health Science B	Medical Terminology A OR Health Science Concepts A	Medical Terminology B OR Health Science Concepts B	Medical Diagnostic Technology 1a	Medical Diagnostic Technology 1b: Exploring Systems & Procedures	EKG Technician 1a: Introduction	EKG Technician 1b: Analysis & Response	

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Health Science

Career Pathway	Career	Year 1		Year 2		Year 3		Year 4		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Diagnostic Services	Medical Lab Assistant	Introduction to Health Science A	Introduction to Health Science B	Medical Terminology A OR Health Science Concepts A	Medical Terminology B OR Health Science Concepts B	Medical Lab Assisting 1a	Medical Lab Assisting 1b	Medical Lab Assisting 2a	Medical Lab Assisting 2b	
Therapeutic Services	Allied Health Assistant	Introduction to Health Science A	Introduction to Health Science B	Medical Terminology A OR Health Science Concepts A	Medical Terminology B OR Health Science Concepts B	Allied Health Assistant 1a: Introduction	Allied Health Assistant 1b: Skills & Specialties			
	Dental Assistant	Introduction to Health Science A	Introduction to Health Science B	Medical Terminology A OR Health Science Concepts A	Medical Terminology B OR Health Science Concepts B	Dental Assistant 1a: Introduction	Dental Assistant 1b: Principles of Clinical Dentistry	Dental Assistant 2a: Infection Prevention and Pharmacology	Dental Assistant 2b	
	Emergency Medical Responder	Introduction to Health Science A	Introduction to Health Science B	Medical Terminology A OR Health Science Concepts A	Medical Terminology B OR Health Science Concepts B	Emergency Medical Responder 1a: Introduction	Emergency Medical Responder 1b: Prepared for Action			
	Medical Assistant	Introduction to Health Science A	Introduction to Health Science B	Medical Terminology A OR Health Science Concepts A	Medical Terminology B OR Health Science Concepts B	Medical Assistant 1a: Introduction	Medical Assistant 1b: Medical Assisting in Action			
	Nursing Assistant	Introduction to Health Science A	Introduction to Health Science B	Medical Terminology A OR Health Science Concepts A	Medical Terminology B OR Health Science Concepts B	Nursing Assistant A	Nursing Assistant B			
	Sports Medicine & Fitness Trainer	Introduction to Health Science A	Introduction to Health Science B	Medical Terminology A OR Health Science Concepts A	Medical Terminology B OR Health Science Concepts B	Sports Medicine 1a: Introduction	Sports Medicine 1b: Injury Prevention	Sports Medicine 2a: Working With Clients	Sports Medicine 2b: Personalizing Your Practice	
	Pharmacy Technician	Introduction to Health Science A	Introduction to Health Science B	Medical Terminology A OR Health Science Concepts A	Medical Terminology B OR Health Science Concepts B	Pharmacy Technician A	Pharmacy Technician B			

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Hospitality and Tourism

Career Pathway	Career	Year 1		Year 2		Year 3		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Lodging — Hotel Management	Hotel Management (EDL)	Hospitality & Tourism 1: Traveling the Globe	Hospitality & Tourism 2a: Hotel & Restaurant Management	Hospitality & Tourism 2b: Hotel & Restaurant Management	Management 1a: Introduction	Management 1b: Data Essentials		NOCTI® Lodging
Recreation, Amusements, and Attractions	Promoter	Hospitality & Tourism 1: Traveling the Globe	Advertising & Promotion	Management 1a: Introduction	Management 1b: Insight & Oversight	Sports & Entertainment Marketing 1a: Introduction	Sports & Entertainment Marketing 1b: Promoting the Main Event	
Restaurant, Food and Beverage Services	Kitchen Associates — Sous Chef	Food Safety and Sanitation	Nutrition & Wellness	Culinary Arts 1a: Introduction	Culinary Arts 1b: Finding Your Palette	Culinary Arts 2: Baking, Pastry, and More		NOCTI® Hospitality Management Food and Beverage
	Front Desk Agent	Hospitality & Tourism 1: Traveling the Globe	Hotel Management 1a: Introduction	Hotel Management 1b				NOCTI® Hospitality Management Food and Beverage

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Human Services

Career Pathway	Career	Year 1		Year 2		Year 3		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Early Childhood Development and Services	Daycare/Early Childhood Associate (EDL)	Introduction to Human Services	Personal Psychology 1: The Road to Self-Discovery	Early Childhood Education 1a: Introduction	Early Childhood Education 1b: Developing Early Learners	Real World Parenting	Nutrition & Wellness	NOCTI® Early Childhood Development NOCTI® Early Childhood Education and Care-Basic
Counseling & Mental Health	Counselor	Introduction to Human Services	Personal Psychology 1: The Road to Self-Discovery	Sociology 1: The Study of Human Relationships	Peer Counseling 1	Social Problems 1: A World in Crisis	Social Problems 2: Crisis, Conflicts, & Challenges	
Family and Community Services	Social Services Specialist	Introduction to Human Services	Peer Counseling 1	Personal Psychology 1: The Road to Self-Discovery	Nutrition & Wellness	Introduction to Careers in Health Science	Social Problems 1: A World in Crisis	NOCTI® Family and Community Services
Personal Care Services	Cosmetologist	Cosmetology 1: Cutting Edge Styles	Cosmetology 2: The Business of Skin and Nail Care	Cosmetology 3a: Introduction to Hair Skills	Cosmetology 3b: Waving, Coloring, and Advancing Hair Skills			
	Fitness Trainer	Medical Terminology A OR Health Science Concepts A	Medical Terminology B OR Health Science Concepts B	Lifetime Fitness or equivalent	Nutrition & Wellness	Sports Medicine 1a: Introduction	Sports Medicine 1b: Injury Prevention	

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Information Technology

Career Pathway	Career	Year 1		Year 2		Year 3		Year 4		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Network Systems	Cybersecurity Specialist	Introduction to Information Technology A	Introduction to Information Technology B	Network Security Fundamentals 1a: Introduction	Network Security Fundamentals 1b: Forensics & Permission	Operational Cybersecurity 1a: Introduction	Operational Cybersecurity 1b: Security and Planning in the Workplace			
	Network Systems Specialist/ Network Systems	Introduction to Information Technology A	Introduction to Information Technology B	Introduction to Network Systems*	Introduction to Network Design (Requires Microsoft 2016)	Computer Maintenance 1a: Introduction	Computer Maintenance 1b: Network Needs	Advanced Networking 1a: Introduction	Advanced Networking 1b	
Programming & Software Development	Programmer/ Programming and Software Development	Introduction to Information Technology A	Introduction to Information Technology B	Fundamentals of Programming & Software Development	Software Development Tools					
	Game Designer	Introduction to Information Technology A	Introduction to Information Technology B	Foundations of Game Design 1a	Foundations of Game Design 1b	Game Design 2a: Build a World	Game Design 2b: Launch a Game	3D Modeling 1a: Introduction (optional)	3D Modeling 1b (optional)	
Web and Digital Communications	Web Designer	Introduction to Information Technology A	Introduction to Information Technology B	Fundamentals of Digital Media	Digital Media Fundamentals 1b: Producing for the Web	Digital Media Web Design 2a: Build a Portfolio Website	Digital Media Web Design 2b: Build an eCommerce Website	New Applications: Web Development in the 21st Century (optional)	Web Development 1b: Planning & Designing (optional)	
	Web Developer	Introduction to Information Technology A	Introduction to Information Technology B	New Applications: Web Development in the 21st Century	Web Development 1b: Planning & Designing	Web Development 2a: Sketching & Scripting	Web Development 2b: Website Goes Live	Digital Media Web Design 2a: Build a Portfolio Website (optional)	Digital Media Web Design 2b: Build an eCommerce Website (optional)	

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Law, Public Safety, Corrections, and Security

Career Pathway	Career	Year 1		Year 2		Year 3		Year 4		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Emergency & Fire Management Services	Emergency Medical Responder	Principles of Public Service: To Serve & Protect	Introduction to Health Science A	Introduction to Health Science B	Health Science Concepts A	Health Science Concepts B	Emergency Medical Responder 1a: Introduction	Emergency Medical Responder 1b: Prepared for Action		
Law Enforcement Services	Officer/ Investigator	Principles of Public Service: To Serve & Protect	Criminology: Inside the Criminal Mind	Careers in Criminal Justice 1a: Introduction	Careers in Criminal Justice 1b: Finding Your Speciality	Forensic Science 1: Secrets of the Dead	Forensic Science 2: More Secrets of the Dead			NOCTI® Legal Services NOCTI® Criminal Justice
Legal Services	Legal Assistant	Careers in Criminal Justice 1a: Introduction	Careers in Criminal Justice 1b: Finding Your Speciality	Law & Order: Introduction to Legal Studies	National Security: Diplomacy, Intelligence, Defense	Business Law				
Security & Protective Services	Security Officer	Careers in Criminal Justice 1a: Introduction	Careers in Criminal Justice 1b: Finding Your Speciality	Criminology: Inside the Criminal Mind	National Security: Diplomacy, Intelligence, Defense					

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Manufacturing

Career Pathway	Career	Year 1		Year 2		Year 3		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Production	Assembler	Introduction to Manufacturing: Product Design & Innovation	Engineering and Design	Digital Literacy OR Fundamentals of Computer Systems	Digital Literacy OR Fundamentals of Computer Systems	College and Career Readiness		
Manufacturing Production Process Development	Manufacturing Technician	Introduction to Manufacturing: Product Design & Innovation	Engineering and Design	Engineering and Product Development	STEM Problem Solving			

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Marketing

Career Pathway	Career	Year 1		Year 2		Year 3		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Marketing Management	Marketing Specialist	Business Information Management A	Business Information Management B	Marketing Foundations 1a: Introduction	Marketing Foundations 1b: Building Your Base	Marketing 2a: Global Business & Trade	Marketing 2b: Developing a Sales Team	
Marketing Communications	Marketing Communications Specialist	Business Information Management A	Business Information Management B	Marketing Foundations 1a: Introduction	Marketing Foundations 1b: Building Your Base	Advertising & Promotion	Creative Writing	
Professional Sales & Marketing	Sales Representative	Business Information Management A	Business Information Management B	Marketing Foundations 1a: Introduction	Marketing Foundations 1b: Building Your Base	Professional Sales 1a: Introduction	Professional Sales 1b: Secrets of Sales Success	

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