

CTE Pathways



Prepare students to succeed in their chosen career paths

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 English		
	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: Vital to the Front Office	Business English		
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: People & Performance	

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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 English			
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 English			

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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: The Future of Biotechnology	
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: Introduction	Medical Lab Assisting 1b: Clinical Lab Safety & Procedures	Medical Lab Assisting 2a: Blood and Point of Care Testing	Medical Lab Assisting 2b: Immunology, Urinalysis, and Forensics	
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: Exploring Specialized Areas of Dentistry	
	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 Palate	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
Culinary Arts new	Food & Beverage Manager	Hospitality and Tourism 1: Traveling the Globe	Food Safety and Sanitation	Culinary Arts 1a: Introduction	Culinary Arts 1b: Finding Your Palate	Restaurant Management	Culinary Arts 2: Baking, Pastry, and More	

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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
	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: Protecting Your Network	
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: Set the Scene (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	Manufacturing 1a: Introduction	Manufacturing 1b: Your Path in Manufacturing	Engineering and Design	Engineering and Product Development	Robotics 1a: Introduction	Robotics 1b: Intelligent Robots	

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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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Science, Technology, Engineering, and Mathematics new

Career Pathway	Career	Year 1		Year 2		Year 3		Certification Exam
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
Engineering and Technology new	Robotics Specialist	Engineering and Design	Engineering and Product Development	Robotics 1a: Introduction	Robotics 1b: Intelligent Robots	Robotics 2a: Design a Robot	Robotics 2b: Build Your Robot	

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