

2020–2021

Career Readiness Education Courses

K12 Learning Solutions offers a comprehensive, end-to-end approach to college and career readiness—from career exploration to well-designed curriculum pathways that help students prepare for certifications and the workforce. Browse our course offerings to tailor a career readiness solution that will open doors for your students to jump-start their future.

TABLE OF CONTENTS

- Agriculture, Food, & Natural Resources 2
- Business 3
- Health Sciences 4
- Human Services 5
- Information Technology 6
- Manufacturing & the Trades 7
- Additional Career Readiness Courses 8



AGRICULTURE, FOOD, & NATURAL RESOURCES

Students who can't imagine working in an office all day may be drawn to a career in **agriculture** or **food processing**. They can get a **jump start on college** or a **career** in agriculture, food, and natural resources by getting the training they need to **prepare for certifications** like:

- National Occupational Competency Testing Institute® (NOCTI®) certifications in Agriculture Mechanics and Business Info Processing
- ServeSafe Food Handler
- ACT National Career Readiness Certification (NCRC)

These certifications can be a stepping-stone to careers such as:

Agriculture Engineer

\$80,720 per year median pay (\$38.81/hour)¹

Farmer, Rancher, or Agriculture Manager

\$67,950 per year median pay (\$32.67/hour)¹

Agriculture and Food Scientist

\$65,160 per year median pay (\$31.33/hour)¹

Course Progression by Career Pathway

Food Processing & Production

Agribusiness

Technical Systems

Agriculture Explorations	•	•	•
Introduction to Agriscience	•	•	•
Agriscience II	•	•	•
Agricultural Mechanics 1	•		
Agricultural Mechanics 2	•		
Agricultural Mechanics 3	•		
AgriBusiness		•	
Entrepreneurship 1		•	
Culinary Arts I			•
Principles of Agriculture, Food, and Natural Resources			•
Food Production 1			•

All courses, unless otherwise noted, are one semester.
Course lists are subject to change.



BUSINESS

The number of jobs in **business, management, and financial operations** is projected to **grow faster than the average** for all occupations.¹ The expected growth of new organizations and the expansion of existing ones will drive this growth. Students can get a **jump start on college or a career** in business by getting the training they need to **prepare for certifications** like:

- A*S*K* certifications in Finance, Entrepreneurship/Management, Fundamental Business Concepts, and Fundamental Marketing Concepts Exam
- Certiport Entrepreneurship & Small Business Management certification
- ServeSafe Food Handler
- Microsoft Office Specialist (MOS) certifications
- ACT National Career Readiness
- National Occupational Competency Testing Institute (NOCTI®) certifications in:
 - Advertising & Design
 - Accounting (Basic and Advanced)
 - Financial Managerial Accounting
 - General Management
 - Business Information Processing
 - Restaurant, Food, and Beverage Services (Pathways Exam)
 - Food and Beverage Services (Job Ready Exam)

These certifications can be a stepping-stone to careers such as:

Advertising, Promotions, & Marketing Manager
\$135,900 per year median pay (\$65.34/hour) ¹
Accountant and Auditor
\$71,550 per year median pay (\$34.40/hour) ¹
Food Service Manager
\$55,320 per year median pay (\$26.60/hour) ¹

Course Progression by Career Pathway

General Management							
Administrative Support							
Business Finance							
Accounting							
Entrepreneurship							
Marketing Communications							
Hospitality: Food & Beverage							
Business and Marketing Explorations	•	•	•	•	•	•	•
Accounting 1				•	•	•	•
Accounting 2				•	•	•	•
Computer Literacy	•	•	•	•	•	•	•
Microsoft Office 1	•	•	•	•	•	•	•
Microsoft Office 2		•	•	•	•	•	•
Marketing 1	•	•	•				
Marketing 2	•	•	•				
Entrepreneurship 1			•				
Entrepreneurship 2			•				
Advertising & Sales Promotion		•					
Culinary Arts 1	•						
Introduction to Restaurant Management	•						
Food Production 1	•						

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HEALTH SCIENCES

Health sciences are a great place to be—the number of healthcare jobs is **growing much faster than average**, and the field is adding **more total jobs than any other category**.¹ Students can get a jump start on **college or a career** by getting the training they need to **prepare for certifications** like:

- AHDI Registered Healthcare Documentation Specialist (RHDS)
- AHIMA Certified Coding Associate (CCA)
- AMCA Clinical Medical Assistant Certification (CMAC)
- AMCA Nursing Assistant Certification (NAC)
- Certified Nursing Assistant Certification (CNA)
- DANB National Entry Level Dental Assistant (NELDA®)
- NASM Certified Personal Trainer
- NOCTI® – Medical Assisting
- NOCTI® – Dental Assisting
- PTCE Pharmacy Technician Certification Exam
- ACT National Career Readiness Certification (NCRC)

These certifications can be a stepping-stone to careers such as:

Dental Hygienist

\$76,220 per year median pay (\$36.65/hour)¹

Athletic Training

\$48,440 per year median pay (\$24.22/hour)¹

Pharmacy Technician

\$33,950 per year median pay (\$16.32/hour)¹

Course Progression by Career Pathway

Medical Assisting

Dental Assisting

Certified Nursing Assistant (CNA)

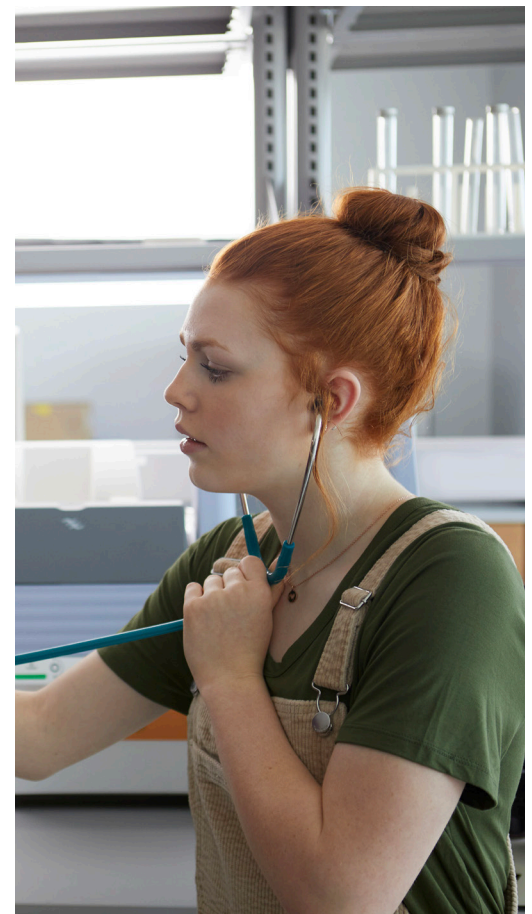
Pharmacy Technician

Sports Medicine

Medical Billing & Coding

Medical Transcription

Healthcare Explorations	•	•	•	•	•	•	•
Health Science I	•	•	•	•	•	•	•
Health Science II	•	•	•	•	•	•	•
Medical Terminology 1	•	•	•	•	•	•	•
Anatomy and Physiology I	•	•	•	•	•	•	•
Anatomy and Physiology II	•	•	•	•	•	•	•
Medical Assistant I							•
Medical Assistant II							•
Medical Assistant III with Certification Prep							•
Dental Assisting I							•
Dental Assisting II							•
Dental Assisting III with Certification Prep							•
Nursing Assistant I						•	
Nursing Assistant II						•	
Nursing Assistant III with Certification Prep						•	
Pharmacy Technician I					•		
Pharmacy Technician II					•		
Pharmacy Technician III with Certification Prep					•		
Sports Medicine I			•				
Sports Medicine II			•				
Essentials of Health Information Management	•	•					
Medical Coding I		•					
Medical Coding II		•					
Medical Transcription I	•						
Medical Transcription II	•						



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HUMAN SERVICES

Students who like helping people may find an **exciting, high-demand career** in **education and training** or **legal and law enforcement** is right for them. They can get a **jump start on college or a career** in human services by getting the training they need to **prepare for certifications** like:

- NOCTI® Early Childhood Education and Care – Basic (Job Ready Exam)
- NOCTI® Early Childhood Education and Care – Advanced (Job Ready Exam)
- NOCTI® Criminal Justice (Job Ready Exam)
- NOCTI® Legal Services (Pathway Exam)
- ACT National Career Readiness Certification (NCRC)
- Microsoft Office Specialist – Word

These certifications can be a stepping-stone to careers such as:

Police or Detective
\$65,170 per year median pay (\$31.33/hour) ¹
High School Teacher
\$61,660 per year median pay (\$29.64/hour) ¹
Paralegal or Legal Assistant
\$51,750 per year median pay (\$24.87/hour) ¹

Course Progression by Career Pathway

Education & Training		
Legal & Law Enforcement		
Introduction to Teaching		•
Computer Literacy		•
Psychology		•
Understanding Child Development		•
Early Childhood Education 1		•
Early Childhood Education 2		•
Careers in Criminal Justice	•	
Law and Order	•	
Criminology	•	
Microsoft Office 1	•	
Microsoft Office 2	•	
Forensic Science	•	

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INFORMATION TECHNOLOGY

Employment of computer and information technology occupations is projected to **grow much faster** than the average for all occupations. Demand for these workers will stem from greater emphasis on **cloud computing**, the **collection and storage of big data**, and **information security**.¹ Students can get a **jump start on college or a career** in information technology by getting the training they need to **prepare for certifications** like:

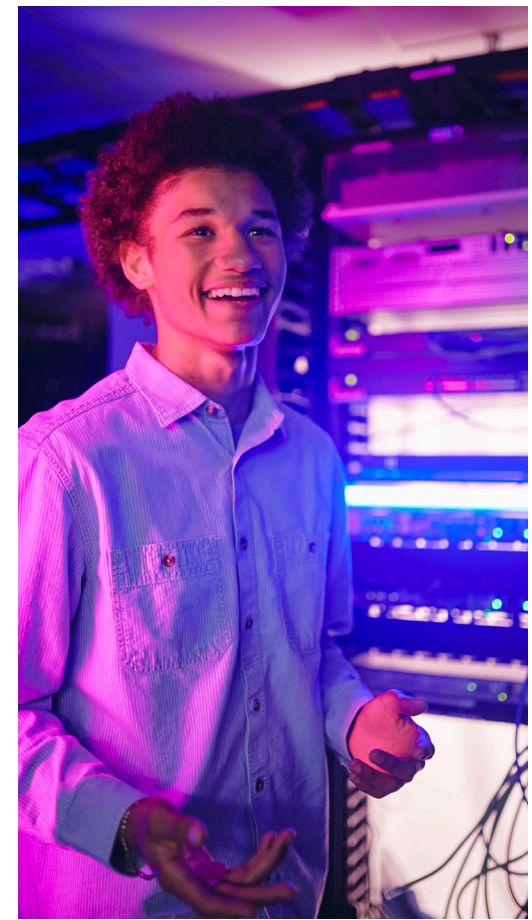
- Certiport C++, Game Design, JAVA, Python, HTML5, CSS3 certifications
- Adobe® Certified Associate (ACA) Certification
- National Occupational Competency Testing Institute® (NOCTI®) Computer Networking Fundamentals Certification
- ACT National Career Readiness Certification (NCRC)

These certifications can be a stepping-stone to careers such as:

Information Security Analysts
\$99,730 per year median pay (\$47.95/hour) ¹
Computer Programmers
\$86,550 per year median pay (\$41.61/hour) ¹
Multimedia Artists and Animators
\$75,270 per year median pay (\$36.19/hour) ¹

Course Progression by Career Pathway

Course	Pathway 1	Pathway 2	Pathway 3	Pathway 4	Pathway 5	Pathway 6
Programming						
Game Design & Programming						
Networking						
Cybersecurity						
Web & Digital Communication						
Digital Design						
IT Explorations	•	•	•	•	•	•
Computer Literacy		•	•	•	•	•
Python Programming						•
Programming Logic and Design					•	•
Java Programming 1						•
Java Programming 2						•
Game Design 1					•	•
Game Design 2					•	•
Network + Guide to Networks I				•		
Network + Guide to Networks II with Certification Prep				•		
Security+ I			•			
Security+ II with Certification Prep			•			
Digital Arts 1	•	•				
Digital Arts 2	•	•				
Adobe Illustrator with Adobe Certification Prep		•				
Adobe Dreamweaver with Adobe Certification Prep		•				
Web Design		•				
Image Design & Editing	•					
Adobe Photoshop with Adobe Certification Prep	•					
Adobe InDesign with Adobe Certification Prep	•					



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MANUFACTURING & THE TRADES

Skilled workers are in high demand for manufacturing, the largest industry in the United States. Some **4.6 million manufacturing jobs will need to be filled by 2028**, and 89 percent of manufacturing employers report a lack of workers with the necessary skills.² Students can get a **jump start on college or a career** in manufacturing by getting the training they need to **prepare for certifications** like:

- Manufacturing Skill Standards Council (MSSC) Certified Production Technician—Manufacturing Processes & Production Module
- National Occupational Competency Testing Institute®(NOCTI®) Pre-Engineering and Engineering Technology
- National Occupational Competency Testing Institute® (NOCTI®) Manufacturing Technology
- ACT National Career Readiness Certification (NCRC)

These certifications can be a stepping-stone to careers such as:

Industrial Engineers

\$87,040 per year median pay (\$41.84/hour)¹

Boiler Operator

\$62,150 per year median pay (\$29.88/hour)¹

Construction Equipment Operator

\$48,160 per year median pay (\$23.16/hour)¹

Course Progression by Career Pathway

Engineering/Technology

Advanced Manufacturing

Engineering Explorations		•
IT & Manufacturing Explorations	•	
Engineering Fundamentals 1		•
Engineering Fundamentals 2		•
Engineering Drawing & Design 1		•
Engineering Drawing & Design 2		•
Introduction to Mechanical Engineering		•
Fundamentals of Manufacturing	•	
Manufacturing Systems	•	
Manufacturing Product Development	•	
Lean Manufacturing and Automation	•	
Manufacturing Process Development 1	•	

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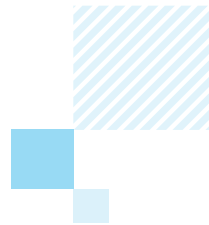


ADDITIONAL CAREER READINESS COURSES

2D Animation	Introduction to Forestry and Natural Resources
3D Modeling	Life Skills
A+ Computer Management I	Microsoft Access with Certification Prep 2016
A+ Computer Management II with Certification Prep	Microsoft Excel with Certification Prep 2016
Achieving Your Career and College Goals	Microsoft PowerPoint with Certification Prep 2016
Administrative Professional	Microsoft Word with Certification Prep 2016
Archaeology	Middle School Career Explorations I
Art Appreciation	Middle School Career Explorations II
Art in World Cultures	Modern Livestock & Poultry Production I
Astronomy	Modern Livestock & Poultry Production II
Business and IT Explorations	Modern Livestock & Poultry Production III
Business	Music Appreciation
Business Information Management I	Mythology and Folklore
Business Information Management II	Nutrition and Wellness
C++ Programming	Personal Financial Literacy
Career Planning	Principles of Business 1
Consumer Behavior	Principles of Business 2
Digital Photography I	Principles of Public Service: To Serve and Protect
Digital Photography II	Skills for Health
Family and Consumer Science	Sociology I
Fashion and Interior Design	Sociology II
Fine Art	Sports and Entertainment Marketing
Gothic Literature	Sustainable Energy 1
Green Design and Technology	Sustainable Energy 2
Health and IT Explorations	Therapeutic Communications
Hospitality and Tourism	Veterinary Science
HTML5/CSS3 Programming	Wildlife and Natural Resource Management I
International Business	Wildlife and Natural Resource Management II
Introduction to Computer Science	
Introduction to Culinary Arts	



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¹Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, April 2020.

²Association for Career and Technical Education, Advanced Manufacturing Sector Sheet, June 2019.

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