

CTE PATHWAYS AT VANGUARD (2025-26)

ENGINEERING

Explorer Course

- Mechanical Design and Engineering 1 CE - 0.5
- Robotics 1 - 0.5

Concentrator Course

- Robotics 2 CE - 0.5

Completer Courses

- CTE Internship - 0.5

Advanced Manufacturing and Engineering

BROADCASTING AND DIGITAL MEDIA

Explorer Courses

- Digital Media 1 CE - 0.5
- Digital Media 2 - 0.5
- Web Development 1 - 0.5

Concentrator Courses

- 3D Graphics 1 - 0.5

Completer Courses

- CTE Internship - 0.5

Arts, Entertainment and Design

GRAPHIC DESIGN AND COMMUNICATION

Explorer Courses

- 3D Graphics - 0.5
- Commercial Photography 1 - 0.5
- Digital Media 1 CE - 0.5
- Digital Media 2 - 0.5
- Entrepreneurship (BUS 1600) - 0.5
- Mechanical Design and Engineering 1 CE - 0.5

Concentrator Courses

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Completer Course

- CTE Internship - 0.5

Arts, Entertainment and Design

BUSINESS

Explorer Courses

- Accounting 1 CE - 0.5
- Business Office Specialist - 0.5
- Digital Media 1 - 0.5
- Economics - 0.5
- Entrepreneurship (BUS 1600) - 0.5
- Marketing 1 CE - 0.5
- Web Development 1 - 0.5

Concentrator Courses

- Business Management CE - 0.5

Completer Courses

- CTE Internship - 0.5

Business Management and Entrepreneurship

INFORMATION TECHNOLOGY SYSTEMS

Explorer Courses

- Computer Science Principles - 0.5
- Math 1050 - 0.5-1.0*
- Robotics 1 - 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 Science Principles - 0.5
- Math 1050 - 0.5-1.0*
- Robotics 1 - 0.5
- Web Development 1 - 0.5

Concentrator Courses

- Computer Programming 2 CE - 0.5

Completer Course

- Computer Programming, Adv CE - 1.0
- CTE Internship - 0.5

Digital Technology

WEB DEVELOPMENT Explorer Course • Computer Science Principles - 0.5 • Digital Media 1 CE - 0.5 • Entrepreneurship (BUS 1600) - 0.5 • Marketing 1 CE - 0.5 • Math 1050 - 0.5-1.0* • Web Development 1 - 0.5 Concentrator Course • Web Development 2 - 0.5 Completer Courses • CTE Internship - 0.5 Digital Technology	PRE-K: EARLY CHILDHOOD EDUCATION Explorer Course • Business Office Specialist CE - 0.5 • Entrepreneurship (BUS 1600) - 0.5 • Food and Nutrition - 0.5 Concentrator Course • Completer Courses • CTE Internship - 0.5 Education	K-12: TEACHING AS A PROFESSION Explorer Course • English 1010 or English 2010 - 0.5-1.0* • Human Development - 0.5 • Math 1050 - 0.5-1.0* Concentrator Course • Aspiring Educators - 0.5 Completer Courses • Principles of Educational Instruction - 0.5 • CTE Internship - 0.5 Education
FINANCE Explorer Courses • Accounting 1 CE - 0.5 • Business Office Specialist - 0.5 • Economics - 0.5 • Entrepreneurship (BUS 1600) - 0.5 • Marketing 1 CE - 0.5 • Web Development 1 - 0.5 Concentrator Courses • Accounting 2 CE - 0.5 Completer Courses • CTE Internship - 0.5 Financial Services	HEALTH SCIENCE Explorer Course • Foundations of Nutrition CE - 0.5 • Health Science, Intro - 0.5 • Human Development CE - 0.5 • Medical Terminology (NURS 1000) - 0.5 Concentrator Course • Completer Courses • CTE Internship - 0.5 Healthcare and Human Services	CULINARY ARTS Explorer Course • Culinary 1 CE - 0.5 • Food and Nutrition - 0.5 Concentrator Course • Culinary 2 CE - 1.0 Completer Courses • CTE Internship - 0.5 Hospitality, Events and Tourism

HOSPITALITY AND TOURISM Explorer Course • Accounting 1 CE - 0.5 • Business Office Specialist - 0.5 • Culinary 1 CE - 0.5 • Digital Media 1 - 0.5 • Economics - 0.5 • Entrepreneurship (BUS 1600) - 0.5 • Marketing 1 CE - 0.5 • Web Development 1 - 0.5 Concentrator Course • Hospitality and Tourism - 0.5 Completer Courses • CTE Internship - 0.5 Hospitality, Events and Tourism	PROTECTIVE SERVICES Explorer Course • Criminal Justice, Intro (CJ 1010) - 0.5 • Health Science, Intro - 0.5 Concentrator Course • Completer Courses • CTE Internship - 0.5 Public Service & Safety	AVIATION Explorer Course • Automotive, Intro - 0.5 • Aviation Maintenance 1 (AMTG 1200) - 0.5 Concentrator Course • Aviation Weather (AVTN 2050) - 0.5 Completer Courses • Air Transportation (AVTN 1010) - 0.5-1.0 • CTE Internship - 0.5 Supply Chain and Transportation
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CTE PATHWAYS AT VANGUARD (2024-25)

BROADCASTING AND DIGITAL MEDIA Explorer Courses • 3D Graphics - 0.5 • Computer Science Principles - 0.5 • Digital Media 1 CE - 0.5 • Digital Media 2 - 0.5 • Web Development 1 - 0.5 Concentrator Courses • Video Production - 0.5 Completer Courses • CTE Internship - 0.5 Arts, Audio/Visual Technology and Communications	GRAPHIC DESIGN AND COMMUNICATION Explorer Courses • 3D Graphics - 0.5 • Digital Media 1 CE - 0.5 • Digital Media 2 - 0.5 Concentrator Courses • Commercial Photography 1 - 0.5 Completer Course • CTE Internship - 0.5 Arts, Audio/Visual Technology and Communications	BUSINESS Explorer Courses • Accounting 1 CE - 0.5 • Business Office Specialist - 0.5 • Digital Media 1 - 0.5 • Economics - 0.5 • Marketing 1 CE - 0.5 • Web Development 1 - 0.5 Concentrator Courses • Business Management CE - 0.5 Completer Courses • CTE Internship - 0.5 Business, Finance and Marketing
FINANCE Explorer Courses • Accounting 1 CE - 0.5 • Business Office Specialist - 0.5 • Economics - 0.5 • Marketing 1 CE - 0.5 • Web Development 1 - 0.5 Concentrator Courses • Accounting 2 CE - 0.5 Completer Courses • CTE Internship - 0.5 Business, Finance and Marketing	INFORMATION TECHNOLOGY SYSTEMS Explorer Courses • Computer Science Principles - 0.5 • Math 1050 - 0.5-1.0* • Robotics 1 - 0.5 • Web Development 1 - 0.5 Concentrator Courses • Computer Systems 1 - 0.5 Completer Courses • CTE Internship - 0.5 Computer Science and Information Technology	PROGRAMMING AND SOFTWARE DEVELOPMENT Explorer Courses • Computer Science Principles - 0.5 • Math 1050 - 0.5-1.0* • Robotics 1 - 0.5 • Web Development 1 - 0.5 Concentrator Courses • Computer Programming 2 - 0.5 Completer Course • Computer Programming, Adv CE - 1.0 • CTE Internship - 0.5 Computer Science and Information Technology

WEB DEVELOPMENT Explorer Course • Computer Science Principles - 0.5 • Digital Media 1 CE - 0.5 • Marketing 1 CE - 0.5 • Math 1050 - 0.5-1.0* • Web Development 1 - 0.5 Concentrator Course • Web Development 2 - 0.5 Completer Courses • CTE Internship - 0.5 Computer Science and Information Technology	PRE-K: EARLY CHILDHOOD EDUCATION Explorer Course • Child Development - 0.5 • Food and Nutrition - 0.5 Concentrator Course • Completer Courses • CTE Internship - 0.5 Education and Training	K-12: TEACHING AS A PROFESSION Explorer Course • English 1010 - 0.5-1.0* • Human Development - 0.5 • Math 1050 - 0.5-1.0* • Teaching as a Profession - 0.5 Concentrator Course • Aspiring Educators - 0.5 Completer Courses • CTE Internship - 0.5 Education and Training
ENGINEERING Explorer Course • Mechanical Design and Engineering 1 CE - 0.5 • Robotics 1 - 0.5 Concentrator Course • Robotics 2 CE - 0.5 Completer Courses • CTE Internship - 0.5 Engineering and Technology	HEALTH SCIENCE Explorer Course • Foundations of Nutrition CE - 0.5-1.0* • Health Science, Intro - 0.5 • Human Development - 0.5 Concentrator Course • Completer Courses • CTE Internship - 0.5 Health Science	CULINARY ARTS Explorer Course • Culinary 1 CE - 0.5 • Food and Nutrition - 0.5 Concentrator Course • Culinary 2 CE - 1.0 Completer Courses • CTE Internship - 0.5 Hospitality and Tourism

CTE PATHWAYS AT VANGUARD (2024-25)

HOSPITALITY AND TOURISM Explorer Course - Accounting 1 CE - 0.5 - Business Office Specialist - 0.5 - Culinary 1 CE - 0.5 - Digital Media 1 - 0.5 - Economics - 0.5 - Web Development 1 - 0.5 Concentrator Course - Hospitality and Tourism - 0.5 Completer Courses - CTE Internship - 0.5 Hospitality and Tourism		
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