



CTAE Courses



Each district high school offers CTAE Pathway courses. These are listed on the chart on page 2. Additional information can always be found in the Career Planner as well as each local high school's CTAE sequencing chart. A student or parent may request a CTAE sequencing chart from the counselor at the local high school.

A student who is on an **IGP - CTAE** graduation program will need to select **three** sequential courses in one pathway. With the MYAP tool students and parents can look for the course number and title on a dropdown menu within the Academic Planner on the Portal. Also, the student may simply key the first three or four letters of the CTAE pathway course name and then, select the CTAE course by clicking on the correct option from the very short listing of courses.

For any student who fails a CTAE pathway course, then, the Academic Plan in IC will denote that the course with the same number is a RETAKE course.

Note the CTAE Cluster/Pathway chart on page 2.



1. Agriculture, Food, and Natural Resources
2. Architecture and Construction
3. Arts, Audio-video Technology, and Communications
4. Business Management and Administration
5. Education and Training
6. Energy
7. Finance
8. Government and Public Administration
9. Health Science
10. Hospitality and Tourism
11. Human Services
12. Information Technology
13. Law, Public Safety, Corrections and Security
14. Manufacturing
15. Marketing
16. Science, Technology, Engineering, and Mathematics
17. Transportation, Distribution, and Logistics



Career Clusters and Pathways for All High Schools



<p>1. Agriculture, Food, and Natural Resources Food Animal Systems 02.47100 Basic Agriculture Science 02.42100 Animal Science and Biotechnology 01.43200 Agricultural Animal Production and Mgt. (PCHS) Plant and Landscape Systems 02.47100 Basic Agriculture Science 01.46100 General Horticulture and Plant Science 01.47000 Nursery & Landscape (PCHS) Agricultural Mechanics System 02.47100 Basic Agriculture Science 01.42100 Agricultural Mechanics Technology I 01.42200 Agricultural Mechanics Technology II (PCHS) Forestry/Wildlife Systems 02.47100 Basic Agriculture Science 03.45100 Forest Science 03.45300 Wildlife Management (EPHS) 2. Architecture and Construction Architectural Drawing and Design 48.54100 Introduction to Drafting and Design 48.54500 Architectural Drawing and Design I 48.54600 Architectural Drawing and Design II (EPHS-NPHS) Carpentry 46.54500 Industry Fundamentals & Occ. Safety 46.54600 Intro. to Construction 46.55000 Carpentry I (NPHS-SPHS) Electrical 46.54500 Industry Fundamentals & Occupational Safety 46.54600 Introduction to Construction 46.56000 Electrical 1 (SPHS) 3. Arts, A/V Technology & Communications Graphic Design 48.56100 Introduction to Graphics and Design 48.56200 Graphic Design and Production 48.52800 Advanced Graphic Design (EPHS-HHS-PCHS) Graphic Communication 48.56100 Introduction to Graphics and Design 48.56200 Graphic Design and Production 48.57000 Advanced Graphic Output Processes (HHS) 4. Business Management & Administration Business and Technology 07.44130 Introduction to Business and Technology 07.44100 Business and Technology 07.45100 Business Communication (EPHS, NPHS, PCHS, SPHS) Entrepreneurship 07.44130 Introduction to Business and Technology 06.41500 Legal Environment of Business 06.41600 Entrepreneurship (HHS-NPHS-PCHS) 5. Education and Training Early Childhood Care & Education 20.52810 Early Childhood Education I 20.42400 Early Childhood Education II 20.42600 Early Childhood Education Practicum (PCHS)</p>	<p>Teaching As A Profession (Only 10, 11, 12) 13.01100 Examining the Teaching Profession 13.01200 Contemporary Issues in Education 13.01300 Teaching as a Profession Practicum (EPHS-HHS-NPHS-SPHS) 6. Energy 7. Finance Business Accounting 07.44130 Introduction to Business & Tech. 07.42600 Financial Literacy 07.41100 Principles of Accounting I (NPHS) 8. Government and Public Administration JROTC Air Force 28.01100 Aerospace Science: A Journey Into Aviation History Leadership I 28.01200 Aerospace Science: Science of Flight and Leadership II 28.01500 Aerospace Science: Exploration of Space and Leadership III 28.01600 Aerospace Science: Management of the Cadet Corps and/or Leadership IV (EPHS) JROTC Army 28.03100 JROTC Army Leadership Ed 1 28.03200 JROTC Army Leadership Ed 2 28.03300 JROTC Army Leadership Ed 3 28.03400 JROTC Army Leadership Ed 4 (HHS-NPHS-PCHS-SPHS) 9. Health Science Therapeutic Services - Allied Health and Medicine 25.52100 Introduction to Healthcare Sci 25.44000 Essentials of Healthcare 25.43700 Allied Health and Medicine (EPHS) Biotechnology Research and Development 25.52100 Introduction to Healthcare Sci. 25.57000 Essentials of Biotechnology 25.56900 Application of Biotechnology (PCHS) Therapeutic Services - Patient Care 25.52100 Introduction to Healthcare Sci. 25.44000 Essentials of Healthcare 25.43600 Patient Care Fundamentals (HHS-NPHS-PCHS-SPHS) Therapeutic Services - Sports Medicine 25.52100 Introduction to Healthcare Sci. 25.44000 Essentials of Healthcare 25.44600 Sports Medicine (HHS) 10. Hospitality and Tourism Culinary Arts 20.53100 Introduction to Culinary Arts 20.53210 Culinary Arts I 20.53310 Culinary Arts II (EPHS-HHS-NPHS-PCHS-SPHS) Sports & Entertainment Mkt 08.47400 Marketing Principles 08.47800 Intro to Sports & Entertainment Marketing 08.48500 Adv Sports & Entertainment Marketing (NPHS)</p>	<p>11. Human Services Interior Fashion & Textiles 20.44100 Foundations of Interior Design 20.44500 Fundamentals of Fashion 20.44700 Textile Science (EPHS) Personal Care Services - Cosmetology 12.54400 Intro. to Personal Care Services 12.41000 Cosmetology Services II 12.41100 Cosmetology Services III (ALL HIGH SCHOOLS) 12. Information Technology Web and Digital Design 11.41500 Introd. to Digital Technology 11.45100 Digital Design 11.45200 Web Design (EPHS-HHS-NPHS) 13. Law, Public Safety, Corrections and Security Law Enforcement Services - Criminal Investigations 43.45000 Intro. to Law, Public Safety, Corrections, and Security 43.45100 Criminal Justice Essentials 43.45300 Criminal Investigations (HHS-NPHS-SPHS) 14. Manufacturing 15. Marketing Marketing and Management 08.47400 Marketing Principles 08.44100 Marketing & Entrepreneurship 08.44200 Marketing Management (EPHS-NPHS-SPHS) 16. Science, Technology, Engineering, and Mathematics Engineering Drafting and Design Pathway 48.54100 Introduction to Drafting and Design 48.54200 Survey of Engineering Graphics 48.54300 3-D Modeling and Analysis (HHS) 17. Transportation, Distribution and Logistics Automobile Maintenance and Light Repair 47.53110 Basic Maintenance and Light Repair 47.53210 Maintenance and Light Repair 2 47.53310 Maintenance and Light Repair 3 (ALL HIGH SCHOOLS)</p>
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