Summary of Secondary Course Changes for 2023-24

New Courses

AP Pre-Calculus (10, 11, 12) - In AP Precalculus, students explore everyday situations and phenomena using mathematical tools and lenses. The framework focuses on four key units of study that colleges expect students to demonstrate to qualify for credit or placement.

AP U.S. Government and Politics (12) - An introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis.

AP Comparative Government and Politics (12) - An introductory college-level course in comparative government and politics. The course uses a comparative approach to examine the political structures; policies; and political, economic, and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students cultivate their understanding of comparative government and politics through analysis of data and text-based sources as they explore topics like power and authority, legitimacy and stability, democratization, internal and external forces, and methods of political analysis.

Beginning Orchestra (9, 10, 11, 12) - This non-audition orchestra is open to students grades 9-12, and is for students who have never taken orchestra, or perhaps took orchestra in middle school and would like to learn or re-learn how to play violin, viola, cello, or bass in an ensemble setting. This ensemble could also be a great option for people who are currently enrolled in another orchestra ensemble, and would like to learn a second instrument.

Principles of Biomedical Science (9, 10, 11, 12)- In this course, we will be learning about blood and blood pathology (diseases and disorders), the immune system and immune responses, public health and epidemiology, genetics and disease, and metabolism and metabolic disorders. Students will engage in hands-on activities, laboratory lessons, hear from medical professionals in the field, and research current topics in medicine.

Biomedical Innovations (10, 11, 12) - In this capstone-level class, students will design and conduct experiments related to diagnosing, treating, and preventing disease or illness. They will apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. They will work with a mentor or advisor from a university, hospital, physician's office, or industry once a week to gain knowledge about the medical industry. Students will be expected to present a portfolio of their work to an adult audience, which may include representatives from the local healthcare or business community or the school's biomedical partnership team.

Introduction to Information Technology (10, 11, 12) - This course is intended to provide students with exposure to various information technology occupations and the information technology pathways available: Network Systems, Information Support and Services, and Programming and Software Development. Students will demonstrate core competencies in safety, electronics and basic digital theory, overview of the internet and operating systems, basic IT terminology and concepts, organization of data and materials, and basic programming. At the conclusion of the course, students should be prepared to make an informed decision about which Information Technology program(s) of study they would like to pursue in conjunction with their IPS.

Agriculture Internship (12) - Ag Internship provides students to gain knowledge and skills for various Agriculture Careers. Students will provide a detailed log of experiences and hours while participating.

Programming 3 & 4 (10, 11, 12) - This is an advanced level course for students who have completed Computer Programming 1 & 2. Students will explore particular topics in computer programming.

Computer Programming - Work Experience (12) - Computer Programming—Workplace Experience provides students with work experience in fields related to computer programming. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Information Technology - Work Experience (12) - Information Technology—Workplace Experience provides students with work experience in fields related to networking and information technology support. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Early Childhood Applications (12) - This course provides students with work experience in fields related to caring for others. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Transportation - Work Experience (12) - An advanced research and application level course covering specific topics in manufacturing. Includes opportunities for Work-Based Learning (WBL) such as in-house training, job shadowing, and/or internships.

Construction and Design - Work Experience (12) - An advanced application level course that offers students an opportunity to apply knowledge and skills in an actual workplace setting, outside of the school setting, that explores all aspects of the selected industry, builds relationships with industry professionals, and creates a seamless transition from secondary to postsecondary pursuits and job satisfaction. Students should have completed other pathway courses at the technical and application level prior to this course.

Engineering - Workplace Experience (12) - Application level workplace experience /internship completed by students at a business location or within the school that is an engineering occupational experience.

Finance - Workplace Experience (12) - Finance—Workplace Experience courses provide students with work experience in fields related to finance. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Culinary - Work Experience (12) - Culinary - Workplace Experience courses provide work experience in fields related to restaurant, food, and beverage services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Manufacturing - Work Experience (12) - An advanced research and application level course covering specific topics in manufacturing. Includes opportunities for Work-Based Learning (WBL) such as in-house training, job shadowing, and/or internships.

Biomedical - Workplace Experience (12) - Biomedical Workplace Experience courses provide students with work experience in the health care industry. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Course Deletions

PreCalculus - replaced with AP PreCalculus
AP Government and Politics - split into AP US Government and Politics and AP Comparative Government and Politics
Pre-Med 1 - Changed to Principles of Biomedicine
Pre-Med 2 - Changed to Biomedical Innovations
Computer Science Essentials - Changed to Intro to Information Technology
Digital Electronics - no longer a CTE funded course
Networking Fundamentals (IT 140) - no longer a CTE funded course
Intro to Law and Public Service - dropping pathway
Orientation to Early Childhood Development 1 & 2 - adding work-experience course
Practical Law - dropping pathway
Law and Public Service 1 - dropping pathway
Media and Public Relations - dropping pathway
Law, Public Service and Safety Internship - dropping pathway
Digital Electronics - no longer a CTE funded course
Networking Fundamentals (IT 140) - no longer a CTE funded course
BioEngineering 1 & 2

Course Changes
Ceramics/Sculpture 2, Jewelry/Art Metals 2, Photography 2, Drawing 2, Graphic Design 2 - add 9th grade
Portfolio Studio Drawing & Painting - add 10th grade
AP Studio Art: Drawing: move to year long (1.0 credit)
Cybersecurity I & II - Removal of Computer Science Essentials prerequisite
Animation 1 & 2 - Added Fine Arts credit
Human Growth and Development 1 - Title Change - Human Growth and Development - Early Years
Human Growth and Development 2 - Title Change - Lifespan Development
Teaching as A Career 1 & 2 - Title Change - Teacher Cadets 1 & 2