FY2023 SECONDARY COURSE CODES - ADDED

Course Code	Course Name	Course Description
05190	Fashion Design	Fashion Design courses emphasize applying the fundamental processes of artistic expression in creating and merchandising apparel. Drawing the figure is a foundation of these courses. Students identify the relationships between design, clothing and expression of self through fashion statements. Courses may also include a study of historical and contemporary fashion design from a worldwide perspective. Students engage in critique of their designs, the designs of others, and those of professional fashion designers for the purpose of reflecting on and refining work for presentation.
05193	Interior Design	Interior Design courses emphasize applying the fundamental processes of artistic expression to design an interior living or working space. Students analyze and apply a variety of media, techniques, and processes in their interior design work. Courses may also include an understanding of aesthetic issues associated with interior design. Students study the art or process of designing the interior of a room or building and focus on enhancing the interiors of a space to achieve a healthy and more aesthetically pleasing environment. Students will study interior designs from historical, contemporary, and world cultures. Students engage in critique of their interior designs, the designs of others, and designs by professional interior designers for the purpose of reflecting on and refining work for presentation.
13052	Material and Processes	Material and Processes courses expose students to the tools, equipment, and processes that may be encountered in manufacturing-related occupations. In particular, these courses stress the analysis, testing, and processing of metals, plastics, woods, ceramics, and composite materials.
13053	Metal and Wood Processing/Production	Metal and Wood Processing/Production courses allow students to study the physical and chemical properties of metals, woods, and composites and to use these materials to construct usable products according to industry standards. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.
13104	Mechatronics	Mechatronics courses provide students with instruction and experience in mechatronics, a multidisciplinary subject involving mechanics, electronics, control theory, and computer science to design and manufacture products. Mechatronic systems form the foundation of robotics, automation, and advanced manufacturing (such as 3D printing). These courses typically expose students to the theoretical basis of mechatronics in addition to applying these theories to hands-on projects.

FY2023 SECONDARY COURSE CODES - ADDED

Course Code	Course Name	Course Description
13208	Particular Topics in Welding	In these courses students gain knowledge and skills in particular aspects of welding. Examples include individual courses in each of the following types of welding: gas metal, gas tungsten, and shielded metal and flux core arc welding.
13209	Particular Topics in Metalwork	In these courses students gain knowledge and skills in particular aspects of metalwork (such as foundry work or metallurgy) not otherwise described elsewhere in this classification system.
17013	Commercial Construction	Commercial Construction courses focus on residential construction principles and their relationship to commercial applications. Topics typically covered include commercial concrete forming, reinforcement and placement methods, stair construction, metal framing, interior finishes, suspended ceiling systems, metal framing and drywall applications, and commercial roofing methods and systems. These courses may also address equipment and tool usage in commercial construction.
20101	Energy/Power	Energy/Power courses focus on one or several aspects of energy and power in transportation and work. Course content may include various sources of energy and their use in society (for example, characteristics, availability, conversion, storage, environmental impact, and socioeconomic aspects of various energy sources); principles involved in various means of energy transfer, such as electricity/electronics, hydraulics, pneumatics, heat transfer, and wind/nuclear/solar energies; and the transmission and control of power through mechanical or electrical devices such as motors and engines.
20102	Power and Mechanics	Power and Mechanics courses enable students to understand the principles underlying various kinds of mechanics (aircraft, auto, diesel, and marine) and how energy is converted, transmitted, and controlled. Topics typically include maintaining and servicing machines, engines, and devices while emphasizing energy sources, electricity, and power transmission. The courses may also provide information on career opportunities within the field of mechanics and/or transportation.
20103	Introduction to Automobiles	Primarily intended as a personal automobile mechanics course, but also useful for students exploring future careers in automotive technologies, Introduction to Automobiles courses expose students to the various mechanical systems in automobiles and provide basic experience in maintenance tasks. The course may also cover career opportunities in the automotive and/or transportation fields.

FY2023 SECONDARY COURSE CODES - ADDED

Course Code	Course Name	Course Description
20119	Hybrid Engines	Hybrid Engines courses introduce students to the fundamentals of hybrid electric vehicles. These courses explore the hybrid power plant and may include such topics as hybrid batteries, high- and low-voltage systems, inverters, safety procedures, hybrid maintenance and diagnostics, and alternative fuels.
20051	Truck and Bus Driving	Truck and Bus Driving courses instruct students in the proper and safe handling and operation of trucks and buses. Strategies for driving in hazardous conditions, observing laws and regulations, loading cargo or passengers, documenting cargo loads, and expectations of driving careers are all typical course topics.
10999	Information Technology—In School Work-Based Learning	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment
11999	Communications and Audio/Video Technology—In School Work-Based Learning	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment
12999	Business and Marketing—In School Work-Based Learning	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment
13999	Manufacturing—In School Work-Based Learning	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment
14999	Health Care Sciences—In School Work-Based Learning	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment
15999	Public, Protective, and Government Service—In School Work-Based Learning	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment
16999	Hospitality and Tourism—In School Work-Based Learning	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment
17999	Architecture and Construction—In School Work-Based Learning	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment
18999	Agriculture, Food, and Natural Resources—In School Work-Based Learning	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment

FY2023 SECONDARY COURSE CODES - ADDED

Course Code	Course Name	Course Description
19999	Human Services—In School Work-Based Learning	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment
20999	Transportation, Distribution and Logistics—In School Work-Based Learning	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment
21999	Engineering and Technology—In School Work-Based Learning	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment

FY2023 SECONDARY COURSE CODES - ARCHIVED

Course Code	Course Name	Course Description	Change
02131	**IB Mathematical Studies**	IB Mathematical Studies courses prepare students to take the International Baccalaureate Mathematical Studies exam. Intended to provide students with the skills to cope with the mathematical demands of a technological society, course topics include linear, quadratic, and exponential functions, solutions, and graphs; descriptive statistics; statistical applications; data analysis, including collection, calculation, and presentation of data; set operations, logic, and probability; geometry and trigonometry; mathematical models; and introduction to differential calculus.	IB Mathematical Studies courses are no longer offered and this code is now archived.
02132	**IB Mathematics**	IB Mathematics courses prepare students to take the International Baccalaureate Mathematics exams. Topics include operations and properties of number sets; trigonometric functions, equations, and graphs; algebra and coordinate geometry; simultaneous linear equations; polynomial and quadratic functions and equations; calculus, including bilinear, exponential and logarithmic functions; two dimensional vectors; and statistics and probability. Advanced content may include discrete mathematics; sets, relations, and groups; or additional calculus topics.	IB Mathematical Studies courses are no longer offered and this code is now archived.
02134	**IB Further Mathematics**	IB Further Mathematics courses prepare students to take the International Baccalaureate Further Mathematics exam. Designed to advance students' knowledge of IB Mathematics, course topics include linear algebra; geometry; statistics and probability; sets, relations and groups; calculus; and discrete mathematics.	IB Mathematical Studies courses are no longer offered and this code is now archived.
13301	**Appliance Repair**	Appliance Repair courses provide students with the knowledge and experience to repair, install, service, and inspect appliances such as stoves, refrigerators, washers, dryers, air conditioners, water heaters, and so on. Students gain an understanding of the mechanics and working systems of these appliance	CTE requested archiving this course code.