

State Course Id	State Course Title	State Course Description	Course Start Year	Course End Year	Is CTE Course
01004A001	Transitional English	Transitional English course design and instruction builds on students' previous experiential and academic knowledge to further develop and refine skills in reading, critical thinking and analysis, and writing to enhance students' transition to post-secondary coursework. This course focuses on integration of the content competencies, which are aligned to the learning standards, in the areas of reading, critical thinking and analysis, and writing. The course and instructional delivery methods must fully integrate across these three competency areas and avoid teaching the reading and writing competencies in an isolated, subskills fashion. The course pedagogy and related text selections must be organized around themes, critical issues, or concepts directing student focus to larger ideas that foster critical thinking, reading, and writing skills while also cultivating students' meta-cognitive and essential employability skills. The course can be used as a fourth-year Language Arts	2022	NULL	No
03064A002	Advanced Biological Science Applications in Agriculture (BSAA) - Animals	This course is designed to reinforce and extend students' understanding of biology by associating advanced scientific principles and concepts with relevant applications in agricultural animal systems. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. Topics of study are in the areas of growth and development of animals – embryology, ethology, nutrition, immunity systems, and processing animal products preservation, fermentation, and pasteurization. The course will be valuable preparation for post-secondary education and will increase the relevance of science through the applied setting of agricultural animal systems by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
03064A003	Advanced Biological Science Applications in Agriculture (BSAA) - Plants	This course is designed to reinforce and extend students' understanding of biology by associating advanced scientific principles and concepts with relevant applications in agricultural plant systems. Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management decisions. Topics of study are in the areas of initiating plant growth – germination, plant sensory mechanisms, enzyme action, absorption, and managing plant growth – photosynthesis, respiration, translocation, metabolism, and growth regulation. The course will be valuable preparation for post-secondary education and will increase the relevance of science through the applied setting of agricultural plant systems by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
04166A003	Introduction to Stenography and Machine Shorthand Theory	Introduction to Stenography and Machine Shorthand Theory introduces students to the fields of shorthand reporting, court reporting, captioning and Communication Access Realtime Translation (CART). The course provides an examination of the history of reporting, equipment needs, technological trends, and the roles of reporters within legal system, communications, business environment, and educational system. Additional topics include an introduction to theory, keyboard familiarization, vowel usage, punctuation, numbers, high-frequency words, and advanced writing principles. Students will begin developing foundational real-time writing skills and keyboard mastery through practice of finger drills and sentence drills involving high-frequency words and phrases.	2022	NULL	Yes
04166A004	Court Reporting and Stenography Speedbuilding Lab	Court Reporting and Stenography Speedbuilding Lab courses provide additional opportunities for students to develop speed and fluency to 225 words per minute in preparation for the Certified Shorthand Reporter (CSR) exam. Course topics could also include additional preparation for the written knowledge portion of the CSR exam and exploration of legal and medical terminology.	2022	NULL	Yes
04198A002	Court Reporting and Captioning Workplace Experience	Court Reporting and Captioning Workplace Experience courses provide students with work experience in a field related to Court Reporting and Captioning. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
05252A001	Interactive Design	Interactive Design courses explore the creative, technical, and conceptual aspects of designing and producing interactive media arts experiences, products, and services, including reactive (sensory-based devices) and interactive technologies, 3D game mechanics, interface design, mobile device applications, social media-based and web multimedia, physical spaces, augmented reality, and/or virtual reality. Topics may include aesthetic meaning; artistic, design and technical methods and practices; story and audience engagement; analysis and media literacy; construction, development, processing, modeling, simulation, and programming of interactive experiences; their transmission, distribution, placement and marketing; and contextual, cultural, and historical aspects and considerations.	2022	NULL	Yes
09001A001	Introduction to Jr. ROTC	Introduction to Junior Reserve Officer Training Corps (ROTC) courses introduce students to the purposes and objectives of the Reserve Officer Training Corps program, which seeks to educate high school students in citizenship, promote community service, and instill responsibility. As part of that introduction, course topics typically include a brief history of the military branches in the United States and the basics of military drill, ceremony, and rank structure.	2022	NULL	Yes
09003A001	ROTC Drill	Reserve Officer Training Corps (ROTC) Drill courses provide students with an additional opportunity to improve their skills in military precision. These courses emphasize marching style and formations, firearm manipulation, body coordination and mechanics, and performing as a member of an orchestrated team. Class members typically participate in ceremonies and competitions.	2022	NULL	Yes
09004A001	Military Leadership	Military Leadership courses focus solely on increasing students' leadership skills, particularly as they relate to military operations, customs, and hierarchies. These courses are typically a regular part of the ROTC programs described below (typically the final course within a program series); this Military Leadership course code and title should be used when those descriptions do not apply. The principles and skills taught in these courses include supervision, motivation, evaluation, and setting an example, and their application typically include military drill and inspections, athletic events, and other school activities.	2022	NULL	Yes
09051A001	Army Junior ROTC I	Army Junior Reserve Officer Training Corps (ROTC) I courses include instruction in the organization and functions of the U.S. Army, leadership skills, and life skills education. The content of these courses cover (but is not limited to) the history and evolution of the Army, including its structure, operations, customs and courtesies; maps and navigation; first aid, personal hygiene, and field sanitation; and substance abuse prevention. These courses also introduce students to principles of leadership and citizenship.	2022	NULL	Yes
09052A001	Army Junior ROTC II	Army Junior Reserve Officer Training Corps (ROTC) II courses build upon the content of Army Junior ROTC I and include (but are not limited to) ongoing instruction in leadership principles and citizenship; drill and ceremonies; organizational structure; command and staff relationships, functions, and responsibilities; significant military campaigns and leaders; map-reading and orienteering; weapon safety and marksmanship; and survival training.	2022	NULL	Yes
09053A001	Army Junior ROTC III	Army Junior Reserve Officer Training Corps (ROTC) III courses build upon prior Army Junior ROTC courses, giving more emphasis to leadership development. These courses serve to strengthen students' leadership skills (including planning, problem-solving, motivation, and performance appraisal) and management skills (with regard to time, personnel, and other resources) through allowing them to assume leadership duties. Students study topics introduced in earlier years—such as military history, map-reading and orienteering, marksmanship, and drill and ceremonies—at a more advanced level and are also provided with military service opportunities.	2022	NULL	Yes
09054A001	Army Junior ROTC IV	Army Junior Reserve Officer Training Corps (ROTC) IV courses focus on practical leadership by assigning students to command and staff positions in which they present instruction to lower Army Junior ROTC classes and continue to study and review staff functions and actions, staff-commander relationships, and leadership principles. Topics introduced in earlier years may be studied at more advanced levels.	2022	NULL	Yes
09101A001	Naval Junior ROTC I	Naval Junior Reserve Officer Training Corps (ROTC) I courses emphasize citizenship and leadership development, as well as maritime heritage, sea power, and Naval operations and customs. These courses include (but are not limited to) an introduction to the Naval Junior ROTC program, U.S. Navy mission and organization, maritime geography, naval history, basic seamanship, oceanography, and health education.	2022	NULL	Yes
09102A001	Naval Junior ROTC II	Naval Junior Reserve Officer Training Corps (ROTC) II courses build upon the content of Naval Junior ROTC I. These courses include (but are not limited to) leadership principles and discipline, citizenship, naval opportunities and career planning, naval ships and weaponry, seamanship, meteorology and weather, and survival training. Students continue to learn teamwork, naval history, and military principles.	2022	NULL	Yes

09103A001	Naval Junior ROTC III	Naval Junior Reserve Officer Training Corps (ROTC) III courses build upon prior Naval Junior ROTC courses. These courses include (but are not limited to) leadership principles and discipline, military justice, international law and the sea, naval intelligence/strategies and national security, and sciences involved in naval operations, such as electricity, electronics, communications technologies, and so on. Students continue to learn teamwork, naval history, and military principles.	2022	NULL	Yes
09104A001	Naval Junior ROTC IV	Naval Junior Reserve Officer Training Corps (ROTC) IV courses are focused on practical leadership, placing students in positions where they can learn, practice, and understand skills involved in leading others, such as supervision, motivation, evaluation, setting examples, and problem-solving. Application of these skills usually includes military drill and inspections, athletic events, and other school activities. Topics introduced in earlier years may be studied at more advanced levels.	2022	NULL	Yes
09151A001	Air Force Junior ROTC I	Air Force Junior Reserve Officer Training Corps (ROTC) I courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover the heritage and development of the Air Force, including its structure, operations, customs, and courtesies. Aerospace topics include the development, history, and impact of flight; aircraft and spacecraft; and the environment in which these crafts operate.	2022	NULL	Yes
09152A001	Air Force Junior ROTC II	Air Force Junior Reserve Officer Training Corps (ROTC) II courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover intercommunication skills, drill, and military ceremonies. Aerospace topics emphasize the science of flight, including factors of aerospace power, aircraft flight, and navigation.	2022	NULL	Yes
09153A001	Air Force Junior ROTC III	Air Force Junior Reserve Officer Training Corps (ROTC) III courses include both aerospace studies and leadership/life skills education. These courses continue to develop students' life and leadership skills and the ways in which they apply to military life. Aerospace topics emphasize space technology and exploration; examine national defense systems; and advance students' knowledge of aviation, propulsion, and navigation.	2022	NULL	Yes
09154A001	Air Force Junior ROTC IV	Air Force Junior Reserve Officer Training Corps (ROTC) IV courses include both aerospace studies and leadership/life skills education. The life skills education portion of these courses concentrates on leadership and management principles and career opportunities, and aerospace topics include advanced aerodynamics and aeronautics. Course content may also cover elements of national power and relationships between the nations of the world.	2022	NULL	Yes
09201A001	Marine Corps Junior ROTC I	Marine Corps Junior Reserve Officer Training Corps (ROTC) I courses introduce the Marine Corps Junior ROTC program, with an emphasis on personal growth and responsibility along with general military subjects. These courses include (but are not limited to) physical training; health education, including hygiene, first aid, nutrition, and substance abuse prevention; and communication skills. In these courses, students are introduced to and study Marine Corps values and code of conduct; drill and ceremony; military uniforms, customs, and courtesies; military history; and the Marine Corps structure and chain of command.	2022	NULL	Yes
09202A001	Marine Corps Junior ROTC II	Marine Corps Junior Reserve Officer Training Corps (ROTC) II courses build upon Marine Corps Junior ROTC I. These courses emphasize personal growth and responsibility, leadership, and citizenship along with military subjects that typically include the mission, organization, and history of the Marine Corps; geography, maps, and navigation; drill and ceremony; and military justice. Students learn about such leadership skills as authority, responsibility, and accountability and citizenship topics including U.S. government structures, documents, and symbols.	2022	NULL	Yes
09203A001	Marine Corps Junior ROTC III	Marine Corps Junior Reserve Officer Training Corps (ROTC) III courses build upon prior Marine Corps Junior ROTC courses. These courses include (but are not limited to) leadership practice, including training, inspection and evaluation; public service career opportunities; and citizenship responsibilities. These courses cover such personal skills as financial planning, saving and investing, and evaluating credit and insurance terms. Students learn about the structures of other armed service branches, advance their mapping and navigation skills, and may study firearm use, safety and marksmanship. Students continue to learn teamwork, Marine Corps history, and military principles.	2022	NULL	Yes
09204A001	Marine Corps Junior ROTC IV	Marine Corps Junior Reserve Officer Training Corps (ROTC) IV courses focus on the practical application of skills learned throughout the program: leadership, communication (written and verbal), personal growth, and public service. These courses emphasize drill and ceremony, physical fitness, marksmanship, land navigation, and military history at more advanced levels than in previous courses.	2022	NULL	Yes
09998A001	Air Force Workplace Experience	Air Force Workplace Experience courses provide students with work experience within the field of military science and are supported by classroom attendance and discussion. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
09998A002	Army Workplace Experience	Army Workplace Experience courses provide students with work experience within the field of military science and are supported by classroom attendance and discussion. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
09998A003	Naval Workplace Experience	Naval Workplace Experience courses provide students with work experience within the field of military science and are supported by classroom attendance and discussion. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
09998A004	Marine Corp Workplace Experience	Marine Corp Workplace Experience courses provide students with work experience within the field of military science and are supported by classroom attendance and discussion. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
10998A002	Information Technology Workplace Experience	Information Technology Workplace Experience courses provide work experience in fields related to the Information Technology cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
11001A001	Introduction to Communication	Introduction to Communication courses enable students to understand and critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of information, entertainment, and communication to influence opinion; improvement of presentation and evaluative skills in relation to mass media; recognition of various techniques for delivery of a particular message; and, in some cases, creation of a media product. The course may concentrate on a particular medium.	2022	NULL	Yes
11053A001	Photographic Laboratory and Darkroom	Photographic Laboratory and Darkroom courses prepare students to develop and print still or motion picture film. Topics covered in the course may include controlling resultant prints; touching up negatives; and finishing, coloring, restoring, and copying prints.	2022	NULL	Yes
11054A001	Photo Imaging	Photo Imaging courses provide students with the opportunity to effectively communicate ideas and information via digital, film, still and video photography. Topics covered typically include composition, layout, lighting and supplies. More advanced courses may include instruction in specialized camera and equipment maintenance, application to commercial and industrial need and photography business operations.	2022	NULL	Yes

11103A001	Broadcasting Technology	Broadcasting Technology courses provide students with the knowledge and skills to produce television broadcast programs. Typically, students prepare and produce short programs, learning the technical aspects of the operation and how to evaluate programming and assess audience reaction and impact.	2022	NULL	Yes
11104A001	Publication Production	Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (e.g., writing, editing, layout, production) or may focus on a single aspect while producing the publication.	2022	NULL	Yes
11151A001	Digital Media Technology	These courses are designed to give students the skills necessary to support and enhance their learning about digital medial technology. Topics covered in the course may include internet research, copyright laws, web-publishing, use of digital imagery, electronic forums, newsgroups, mailing lists, presentation tools, and project planning.	2022	NULL	Yes
11152A001	Desktop Publishing	Desktop Publishing courses integrate the knowledge and skills learning in word processing with the concepts, procedures and application of desktop publishing. Students learn to format, create and proofread brochures, programs, newsletters, web pages, presentations and manuscripts.	2022	NULL	Yes
11153A001	Digital Media Design and Production	Digital Media Design and Production courses teach students the fundamentals of graphic design and production and provide students with the opportunity to apply these principles to printed media, digital presentation media, and interactive media.	2022	NULL	Yes
11156A001	Photography and Printing Technology	Photography and Printing Technology courses expose students to the tools, materials and processes involved in mass production of photography and printing. Types of printing covered in the course may include intaglio, relief, planographic, screen processes printing, silk screening, serigraphy processes and thermograph. Additional topics may include the use of cameras, composition, imposition, presswork, and computer aided publishing.	2022	NULL	Yes
11998A002	Arts, Audio/Video Technology & Communications Workplace Experience	Arts, Audio/Video Technology & Communications Workplace Experience courses provide work experience in fields related to the Arts, Audio/Video Technology & Communications cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
12098A002	Business, Management & Administration Workplace Experience	Business, Management & Administration Workplace Experience courses provide work experience in fields related to the Business, Management & Administration cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
12111A001	Financial Accounting	Financial Accounting courses introduce students to the principles and concepts of financial accounting that produces summary financial statements primarily for users external to a business. Topics include preparation, interpretation, and analyses of financial records and statements; the accounting cycle; current and long-term liabilities and owners' equity; and the accounting of assets.	2022	NULL	Yes
12148A003	Finance Cluster Workplace Experience	Finance Cluster Workplace Experience courses provide work experience in fields related to the Finance cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
12154A001	Real Estate	Real Estate courses are designed to prepare students for a career in real estate and for the licensing exam. In compliance with Section 5-27(a)(5) of the Real Estate License Act of 2000, the course must include 75 hours of instruction in real estate including at least 15 hours of situational and case studies presented in the classroom or by live, interactive webinar or online distance education. Topics should include principles of real property law, interests, and forms of ownership; contract agreements; taxes; property management, financing; appraisal; licensing requirements and structure; agency law; legal issues in real estate brokerage; required disclosures; brokerage agreement facts and practices; comparative market analysis; and any additional content as defined by the IDFP. Content must be taught by an IDFP-approved real estate education provider and instructor.	2022	NULL	Yes
12198A002	Marketing Cluster Workplace Experience	Marketing Workplace Experience courses provide work experience in fields related to the Marketing cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
12202A001	Principles of Selling	Principles of Selling courses provide students with the knowledge and opportunity to develop in-depth sales competencies. Course content typically includes types of selling, steps in a sale, sales strategies, and interpersonal skills and techniques.	2022	NULL	Yes
13998A002	Manufacturing Workplace Experience	Manufacturing Workplace Experience courses provide work experience in fields related to the Manufacturing cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
14254A002	Basic Life Support	This course trains students for CPR and basic life supporting skills and to promptly recognize several life-threatening emergencies and provide instruction consistent with emergency care practices for CPR, first aid, and covers breathing and cardiac emergencies - including CPR, AED, and obstructed airway - for adult, child, and infant victims. The course topics could also include training to prepare students for blood-borne pathogen certification.	2022	NULL	Yes
14998A002	Health Science Workplace Experience	Health Science Workplace Experience courses provide work experience in fields related to the Health Science cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
15248A002	Government & Public Administration Workplace Experience	Government & Public Administration Workplace Experience courses provide work experience in fields related to the Government & Public Administration cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes

15998A001	Law, Public Safety, Corrections & Security Workplace Experience	Law, Public Safety, Corrections & Security Workplace Experience courses provide work experience in fields related to the Law, Public Safety, Corrections & Security cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
16998A001	Hospitality & Tourism Workplace Experience	Hospitality & Tourism Workplace Experience courses provide work experience in fields related to the Hospitality & Tourism cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
17998A003	Architecture & Construction Workplace Experience	Architecture & Construction Workplace Experience courses provide work experience in fields related to the Architecture & Construction cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
18054A002	Landscape Management	This course focuses on the landscape and nursery of the horticulture industry. Units of student instruction include: identifying landscape plants, designing landscape plans, hardscape construction techniques, and installing landscape plants. Also included are nursery production, and maintenance of existing landscapes. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18054A003	Turfgrass and Sports Field Management	This course is designed for students interested in gaining knowledge and skills associated with the duties and tasks of industry and professionals who establish and maintain turf in public areas such as golf courses; parks; athletic fields; school, industrial, and institutional campuses; and residential lawns. "Hands on" applications associated with turf grass management and sports field management will be applied to include; establishing turf, fertilizing, irrigating, and pest management control of grassed areas; operating and maintaining machinery and equipment. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18201A002	Basic Agricultural Business	This course on topics and concepts related to the field of agricultural business. The course introduces business concepts such as record keeping, banking and finance, the role of government/ the USDA in agricultural business, consumerism trends, basics of credit, investment, and management. They usually provide a brief overview of the American Agricultural economic system, cooperatives and corporate organizations. This course may also expose students to a wide variety of agricultural business fields such as sales, marketing, accounting, loan officer and other related careers. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18202A002	Agricultural Entrepreneurship	Agricultural entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses in the agriculture, food and natural resources industry. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in agribusiness systems courses may also be included. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18204A001	Agricultural Economics	This course is designed to provide students with the knowledge of basic economic principles of micro and macroeconomics, international economics, comparative economic systems, measurement, and methods. Through the course, the students will understand and apply basic economic principles as they relate to individual consumers, production agriculture, and agri-business management. The students will develop an Agricultural project and keep accurate agriculture records of expenses, receipts, and profit/losses. This course will satisfy the Economics requirement for graduation. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18204A002	Global Agriculture	This course will primarily focus on agriculture in developing countries and frame this focus within a discussion of contemporary crucial issues facing food, agriculture and natural resources on a global scale. The course will look at the impacts of geographic, political, economic, and social issues of a particular country or region and how that affects their agriculture and trade. This course will also examine the impacts that trade agreements have on other countries' agriculture. Specific emphasis will also be placed on debates concerning global hunger and food security. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18307A001	Agricultural Government	The Agricultural Government course will study the US agriculture industry and the large role it has and will continue to play in our country's past, present and future. Students will receive an overview of the U.S. Government and its structure and functions. Students will explore the politics around policies that relate to agriculture at home and abroad. They will examine how political parties and interest groups impact decisions made about agriculture and its markets. This course will focus on people's impacts on the democratic process. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18308A002	Agricultural and Biological Engineering (ABE)	Agricultural and Biological Engineering (ABE) courses enable students to develop and expand their knowledge and skills in biology, physics, technology, and mathematics. Course content may vary widely, drawing upon diverse fields such as biomedical engineering, biomolecular genetics, bioprocess engineering, agricultural biology, or environmental engineering. Students may engage in problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, tissue engineering, biomedical devices, human interfaces, bioprocesses, forensics, and bioethics. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18308A003	Basic Biotechnology	This course is designed to give students a comprehensive introduction to the scientific concepts and laboratory research techniques currently used in the field of biotechnology. Students attain knowledge about the field of biotechnology and deeper understanding of the biological concepts used. In addition, students develop the laboratory, critical thinking, and communication skills currently used in the biotechnology industry. Furthermore, students will explore and evaluate career opportunities in the field of biotechnology through extensive readings, laboratory experiments, class discussions, research projects, guest speakers, and workplace visits. The objectives covered in this course are both academic and technical in nature and are presented in a progressively rigorous manner. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18309A002	Community Food Production	This course explores the principles and practices of urban agricultural production. Topics typically include urban crop production, harvesting, and management strategies. Other topics may include ethical, social, and environmental impacts of food and urban farming, and urban agriculture as a social movement. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes

18404A002	Advanced Agricultural Welding	Advanced Agricultural Welding focuses on the development of advanced welding and metal fabrication techniques utilized within the agricultural industry. Topics of instruction may include welding safety, technical drawings & blueprint reading, welding symbols, welding discontinuities and failures, destructive testing, nondestructive examination, equipment setup, metal preparation, pipe welding, cutting processes, oxy-fuel cutting/welding, shielded metal arc welding, gas metal arc welding, flux cored arc welding, and gas tungsten arc welding processes. Suggested welding positions are flat, horizontal, vertical down, and vertical up. Electrodes taught and used may include E6010, E6011 and E7018. This course should be aligned with an industry-recognized credential. Upon successful completion, it is suggested students receive an industry certification or dual-credit through a local accredited institution. Improving workplace skills will be a focus in this course. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18405A002	Agricultural Engineering	Throughout the course, students apply technical and engineering skills while becoming competent in the processes used to operate, repair, engineer, and design agricultural structures, engines, and equipment. Students practice technical skills including reading prints, troubleshooting machines, documenting an engine teardown and assembly, reading schematics, building simple machines, using hydraulics, researching machine replacement parts, and calculating production efficiencies. The engineering portion of the course includes prototype development, computer aided design (CAD), 3D printing, documentation of machine processes, machine automation and programming, testing designs for structural integrity, and calculating machine speed and power. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18405A003	Agricultural Engine Maintenance	This course provides students with the opportunity to learn how to operate, service, and recondition agricultural power units, emphasizing two- and four-cycle small gasoline engines. This class will provide students with opportunities to troubleshoot and repair speed controls, lubrication, ignition, fuel, power transfer, cooling, exhaust, and starting systems; use hand, power, and overhaul tools; and read and interpret service manuals and parts' catalogs. Additional units of instruction may include power transmission, electrical, and hydraulic/pneumatic systems. Applications may include lawn mowers, tractors, tillers, power tools, and so on. Improving workplace skills will be a focus in this course. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18405A004	Advanced Agricultural Engine Maintenance	Courses provide students with knowledge and skills to inspect, diagnose, maintain, over the road truck and tractor systems. Specific course topics may include principles underlying diesel engines or multi cylinder gas engines, analyzing electrical circuits and systems, reading and interpreting service manuals, and identifying the principles and components of fuel injection systems; repair and replacement of water pumps, generators, governors, auxiliary and accompanying power units and controls; transmissions, drive lines, and drive axles; brakes, tires, and wheels; steering and suspension systems; electrical and lighting systems; hydraulics and pneumatics; safety codes and regulations; and general shop skills. This class begins with vehicle familiarity, inspection expectations of drivers; inspection, diagnosis and repair for the technician. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18405A005	Agricultural Electrical Systems	This course provides a survey of the theory, terminology, equipment, and practical experience related to electrical applications in agricultural settings. This course typically includes the study of electrical safety, the National Electrical Code, AC and DC circuits, electrical wiring, electric motors and controls, and may cover such skills as those involved in diagramming and building circuits; wiring buildings; installing lighting fixtures, switches, and outlets; and estimating job costs. In this course, safety is stressed, and a career exploration component may be offered. Maintenance and repair skills are often included as course topics. Improving workplace skills will be a focus in this course. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
18504A004	Basic Environmental Science	This course provides basic scientific knowledge and understanding of how our world works from an environmental perspective. Topics covered include: basic principles of ecosystem function; biodiversity and its conservation; Wildlife population growth; water resources and management; water, air and soil pollution; climate change; energy resources, and sustainability. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.	2022	NULL	Yes
19198A003	Education & Training Workplace Experience	Education & Training Workplace Experience courses provide work experience in fields related to the Education & Training cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
19998A003	Human Services Workplace Experience	Human Services Workplace Experience courses provide work experience in fields related to the Human Services cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
20110A003	Advanced Small Engine	This course will be designed to provide the student with the opportunity to complete specialized study in the service and repair of small engines and related systems. Planned activities will allow students to become knowledgeable of advanced principles and technical skills related to preventative maintenance, troubleshooting, repairing, identifying parts and making precision measurements with two and four cycle engines and related systems. Other areas that will be covered deal with fuel supply systems, lubrication systems, cooling systems, electrical systems, ignition systems, drive train and chassis systems. Safety will be a key component of this class. Students will also be exposed to career opportunities related to small engines.	2022	NULL	Yes
20998A002	Transportation, Distribution & Logistics Workplace Experience	Transportation, Distribution & Logistics Workplace Experience courses provide work experience in fields related to the Transportation, Distribution & Logistics cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
21098A002	Energy Workplace Experience	Energy Workplace Experience courses provide work experience in fields related to the Energy cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes
21998A001	Science, Technology, Engineering & Mathematics Workplace Experience	Science, Technology, Engineering & Mathematics Workplace Experience courses provide work experience in fields related to the Science, Technology, Engineering & Mathematics cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.	2022	NULL	Yes