

EMIS Change 26-31

This change adds several Arts & Communications subject codes, adds several Information Technology subject codes, and updates the names of a four subject codes.

SECTION 4.7: SUBJECT CODES

CAREER-TECHNICAL EDUCATION SECTION
Workforce Development Section

Table 20. Career Field 02: Arts & Communications Codes (04xxxx, 34xxxx)

Subject Code	Description	Suggested Subject Area for Credit	Core Subject Area (for proper cert)
340110	Introduction to Media Arts-Primer In this first course of the Media Arts pathway students will learn the basics of how to convey messages through journalism, commercial advertising, and marketing. They review the accuracy and impact of words and visuals used in news, advertisements, and commercials. They learn essential terminology and basic tools for delivering messages. They understand the content length, deadlines, and responsibilities of various delivery channels.	CTA	—
340210	Introduction to Performing Arts-Primer In this first course for the Performing Arts pathway, students examine how music, dance and theatre disciplines connect to create a production. They compare and contrast different genres, social contexts, and cultural aspects of dance, music and theatre from early Greek to present day. They learn the role of stagecraft, including new and emerging technology.	CTA	—
340216	Fundamentals of Dance Students will explore dance as a career field and various career opportunities within the field. Students learn the necessary skills and aptitudes to be a successful dancer, exhibiting various dance steps, and the artistic dynamics of performance. Maintenance of physical and mental health is prioritized. The course will focus on introducing students to the vocabulary and fundamentals of dance as well as the relationships among theatrical disciplines.	CTA	=
340217	Applied Techniques in Dance This advanced course is for students who are interested in pursuing dance professionally. The course is designed to further the concepts, skills, and techniques introduced in previous CTE dance courses. The course is structured to mirror professional practices and standards. Students will design and produce a dance production from start to finish while holding key leadership positions in the production process.	CTA	=

Subject Code	Description	Suggested Subject Area for Credit	Core Subject Area (for proper cert)
340246	<p><u>Fundamentals of Musical Theatre</u> In this course, students will explore music, dance, and acting with the goal of integrating them into a musical theatre performance. Students will identify important skills and knowledge necessary for a successful career in musical theatre. Students will understand how to prepare for a musical theatre performance, including audition, practice, rehearsal, and tech week.</p>	CTA	—
340247	<p><u>Musical Theatre Production</u> Production for musical theatre requires specific knowledge of design elements, production processes, and business techniques to create successful work. In this course, students will focus on the allied skills needed to produce work for the musical theatre stage. Students will be able to produce an independent theatre show, including production elements, at the completion of this course.</p>	CTA	—
340252	<p><u>Fundamentals of Technical Theatre</u> This course is an introduction to technical theater and the elements that contribute to the visual and spectacle elements of a production. Students will explore the fields of stage lighting, scenery construction, sound design, stage rigging, costuming, and makeup. Historical applications, production research, elements of art and color theory, tools, and terminology will be explored in relation to one or more of the areas of technical theater while demonstrating the collaborative nature of the field.</p>	CTA	—
340253	<p><u>Skills and Application in Technical Theatre</u> This course is designed to provide a focused and hands-on experience for students to develop the skills needed to specialize in one or more of the areas needed to be a theater technician. An emphasis is placed on demonstrating the collaborative nature of the field. Students will develop the skills to capably fill roles on backstage running crews for all types of theatrical and other productions.</p>	CTA	—
340254	<p><u>Advanced Theatre Design and Technology</u> The course is designed to further the concepts, skills, and techniques used in the performing arts fields of lighting, sound, and scenic design and construction introduced in previous CTE technical theatre courses. Structured to mirror current industry practices and standards for technical theatre, students will get hands-on experience in one or more areas of technical theater while working productions and other performances.</p>	CTA	—
340310	<p><u>Introduction to Visual Design-Primer</u> Visual design takes the form of charts, drawings, boxes and more. In this first course for the Visual Design and Imaging pathway, students gain a perspective of symbols, typography and product output. They acquire basic knowledge of today's role of graphics in communication</p>	CTA	—

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	industries. Focusing on the consumer, students analyze products and create their own designs for critique. They learn how safety, deadlines, teamwork, and ethics relate to the work.		
340350	<p>Social Media Communications</p> <p><u>In this course, students will learn concepts and principles used in social media communications. Students will learn data-driven marketing and communications strategies and how to apply them to various forms of social media. Students will discuss social, historical, ethical, and economic dimensions of social media.</u></p>	CTA	=

Table 29. Career Field 12: Information Technology Codes (14xxxx)

Subject Code	Description	Suggested Subject Area for Credit	Core Subject Area (for proper cert)
145005	<p>Introduction to Information Technology</p> <p>This first course in the IT career field is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today’s society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications.</p>	CTA	—
145130	<p>Applications of Artificial Intelligence</p> <p><u>This course will prepare students to apply artificial intelligence, machine learning, and neural networks to common workflows, processes, and problems in programming and design. Students will analyze the broader societal, technological, and ethical impacts and implications of its usage and development. Students will learn how to construct prompts and queries and how to critically analyze generated responses.</u></p>	CTA	=
145135	<p>Fundamentals of Operating Systems</p> <p><u>Students will perform desktop client administrator duties by providing support for users in various work environments including professional offices, small businesses, work groups, departments, and/or corporate information services (IS). Students will learn to install, configure, and update commercial and open-source operating systems.</u></p>	CTA	=
145140	<p>Hard Surface Modeling</p> <p><u>Students will use current industry standard commercial and open-source programming software to create 3D visual elements in a web or standalone environment. Students will learn how to create static objects using polygonal modeling for applications like environmental design and level building. Students will learn standard techniques for preparing, smoothing, sculpting, and surfacing 3D objects.</u></p>	CTA	=

EMIS Change 26-31: Updates to CTE subject codes
 Public Comment open from December 5, 2024, through January 3, 2025

Subject Code	Description	Suggested Subject Area for Credit	Core Subject Area (for proper cert)
145145	<p>Introduction to GIS In this course students will be introduced to geospatial information systems and the basic principles of cartography, coordinate systems, and map projections. Students will learn to analyze data for quality and accuracy, assess the quality of data sources, and interface with spatial databases.</p>	CTA	=
145150	<p>Introduction to Programming Concepts Students will learn basic concepts in computer science and programming. Students will learn about logical reasoning, decision trees, troubleshooting, and problem solving. Students will be introduced to numerous programming languages and learn their various uses.</p>	CTA	=
145155	<p>Organic Modeling Students will use current industry standard commercial and open-source programming software to create 3D visual elements in a web or standalone environment. Students will learn basic principles and techniques for modeling naturally occurring objects such as humans, plants, animals, and creatures.</p>	CTA	=
145160	<p>Personal Computers Students will learn to install, repair, and troubleshoot computer hardware systems. They will perform preventative maintenance practices and learn techniques for maintaining computer hardware security. Communication skills and professionalism in troubleshooting situations will be emphasized.</p>	CTA	=
145165	<p>User-Focused Design Principles Students will learn the principles of designing user-centric experiences and apply them to issues in programming and design. Students will learn vision mapping, wireframing, and skeuomorphic design. Students will learn to conduct user-focused research, including developing user tasks and personas. Students will learn how human psychology influences consumers interacting with a program or design.</p>	CTA	=