

**Developed by the Business Education Resource Consortium  
Central Coast Articulation Group  
In Cooperation with the High School Initiatives Office,  
High School Leadership Division,  
California Department of Education**

*This document was developed and published under the auspices of the California Department of Education, and paid for with Carl D. Perkins Vocational and Technical Education Act of 1998 funds. The development of this document was supported in whole or in part by the United States Department of Education and the California Department of Education. However, the opinions expressed herein do not necessarily reflect the position or the policy of the United States Department of Education or the California Department of Education, and no official endorsement by either organization should be inferred.*

## **INFORMATION TECHNOLOGY INDUSTRY SECTOR STANDARDS**

Industry Sectors are an integral part of education reform initiatives and the systems approach to learning by linking academics to the real world of work. Industry sectors are designed to better align career path coursework with the current and projected employment opportunities in specific career fields. Industry sectors create the linkage between what students learn in the classroom to what they need to know when making informed career choices, and provide students the opportunity for career awareness and exploration of careers in industry.

The fifteen most prominent industry sectors reflected in the California economy are: Agriculture and Natural Resources; Arts, Media and Entertainment; Building Trades and Construction; Energy and Utilities; Engineering and Design; Fashion and Interiors; Finance and Business; Health and Human Services; Hospitality, Tourism and Recreation; Manufacturing and Product Development; Public and Private Education Services; Public Services; Retail and Wholesale Trade; Transportation; and **Information Technology**.

The purpose of the industry sector standards is to ensure that standards are consistent with industry practices and that these educational programs prepare students for entry into a career field, as well as prepare them for postsecondary education. Focus groups consisting of educators, business partners and academic administrators were established to review the current state and national guidelines on industry sector standards. The objective of the committee was to review and determine the appropriate state skill standards for the “Information Technology” industry sector. The standards were then linked to various certifications in the Information Technology profession. The certifications included in this document were selected based on industry acceptance, popularity and potential growth opportunities. These certifications are only a sampling of the many certifications available in the information technology profession.

The Information Technology (IT) Industry Sector Standards have been formatted into matrices, with each matrix representing one or more certifications within the Information Technology sector. Each matrix cross-references the IT standards to exam objectives or study outlines provided by the credentialing source. Activities can then be designed by educators to prepare students to meet the exam objectives as well as master the corresponding standard. For more information on credentialing procedures and requirements, please contact the credentialing source. A list of websites is attached.