Academic and CTE Integration

The Perkins IV Section 135 (b) (1)
Strengthen the academic and career and technical skills of students participating in CTE programs by strengthening the academic and CTE components of such programs through the integration of academics with CTE programs of study described in section 122 (C)(1)(A) to ensure learning in-
Perkins Section 135

• (A) the core academic subjects (as defined in section 9101 of the Elementary and Secondary Education Act of 1965); and

• (B) Career and technical education subjects

• Core Academic Subjects: English, reading or language arts, mathematics, science, foreign languages, civics and government, economics, arts, history and geography.
Perkins Sec 135 (b) (5)

• Provide professional development programs that are consistent with section 122 to secondary and postsecondary teachers, faculty, administrators, and career guidance and academic counselors who are involved in integrated career and technical education programs, including in-service and preservice on (i) effective integration and use of challenging academic and career technical education provided jointly with academic teachers to the extent practicable:
Perkins Section 2 Purpose

• The purpose of this Act is to develop more fully the academic and CTE skills of secondary and postsecondary education students who elect to enroll in CTE programs by:
• (2) promoting the development of services and activities that integrate rigorous and challenging academic and career technical instruction, and that link secondary and postsecondary education for participating career and technical education students.
Perkins Section 135(C) (8)

• This section lists Permissive use of funds including (c) (8) for teacher preparation programs that address the integration of academic and career and technical education and that assist individuals who are interested in becoming career and technical education teachers and faculty, including individuals with experience in business and industry.
Perkins Section 122 (State Plan)

- States must describe how they will “improve the academic and technical skills of students participating in career and technical education programs, including strengthening the academic and career and technical education programs through the integration of academics with CTE to ensure learning in the core academic subjects...
Perkins Section 134 (Local Plan)

• Local recipients must describe how they will “improve the academic and technical skills of students participating in CTE programs by strengthening the academic and CTE components of such programs through the integration of coherent and rigorous content aligned with the challenging academic standards and relevant CTE programs to ensure learning in the core academic subjects...and career and technical education subjects.”
Chapter 2—The Strategies for Academic and Occupational Integration taken from the October 1997 publication, Blurring the Lines: Integrating Academic and Occupational Instruction at the Community College, lists the following models:

- Infused academic and occupational content
- Linked or cluster course
- Interdisciplinary or multidisciplinary courses
- Learning communities
Models of academic and CTE integration

• Work based learning experiences
• Technology-enhanced integration
Additional integration models

- The OCCRL publication, *Integration of Academic and Occupational Education in the Illinois Community College System* also lists general education courses as a model of academic/CTE integration.
Additional Integration Models

• Programs of Study –Expectations Tool
• Principle 4: Enhanced Curriculum and Instruction-Design Element 1: The POS curriculum includes a) Integrated academic and technical content. EVIDENCE –Support for academic integration integrated into the grant plan; Professional development offered to faculty to help expand integrated learning.
Possible additional areas of academic and CTE integration.

• Dual Credit
• College and Career Readiness
• Common Core
• Contextualized Teaching and Learning
• Pathways to Results
• STEM Learning Exchanges