Developing a Road Map for Student Success

Facilitating the Establishment of Articulation between High Schools and CCCs in CTE areas
Overview

- Establishing Intersegmental Pathways
- Career Technical Education (CTE) Challenges
- Articulation Basics
- Programs of Study
- Student articulation processes and credit by exam
- C-ID and CTE
Establishing Intersegmental Pathways

- What pathways are needed?
- HS > CCC
- HS > University
- HS > CCC > University
- HS > CCC > Work
- How do we make these intersegmental pathways effective?
CTE Challenges

• Varied funding sources
  – Funding does not acknowledge differential costs

• External certification/accreditation
  – Programs may need modification to meet external demands

• Responding to industry needs
  – New program may require modification of old

• HS > CCC linkages
  – People are necessary to facilitate processes
Articulation Basics

• What is articulation?
• Why articulation versus other K12 >>> CCC transition pathways?
• What does articulation do and not do?
  – Local requirements versus credit granting
• How is articulation created and implemented
  – Agreements and processes
Statewide Career Pathways Project

- Project of the Academic Senate for California Community Colleges
- Improving linkages and CTE pathways between HS and CCC
Statewide Career Pathways Project

- Established the CTE Pathways Program
- Develop and strengthen linkages and CTE pathways between HS and CCC to accomplish specified objectives
- Included separate marketing campaign
  - whodouwant2b.com
Statewide Programs of Study

• **Program of Study Templates**
  - SCP convenes faculty to develop templates
  - PoS templates facilitate relationship discussion
  - Articulation and dual enrollment are part of PoS discussion

• **Local Programs of Study** are developed as a result of a local relationship between institutions
### CTE PROGRAM OF STUDY: Associate of Science for Transfer, Business Administration

<table>
<thead>
<tr>
<th>Level</th>
<th>Course</th>
<th>English Language Arts</th>
<th>Math</th>
<th>Social Science</th>
<th>Science</th>
<th>Other Required Courses or Recommended Electives</th>
<th>Dual and/or Concurrent Enrollment</th>
<th>Articulated Courses  (College Credit for HS Classes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Intro to Business Concepts OR Financial Literacy</td>
<td>English</td>
<td>Math Recommended: Geometry</td>
<td>World History</td>
<td>Physical Science</td>
<td>Physical Education</td>
<td>Digital Literacy</td>
<td>Office Occupations, Forensics, or Electronic Communications</td>
</tr>
</tbody>
</table>

### Recommended activities:
- Get involved in FBLA, DECA, SAGE, YEP, or local Business Entrepreneurship Center. Job Shadow, Internship or Mentorship Activities. Service Learning or Community Service Activities. Participate in Mock Interviews, Application workshops, career fairs/explore activities. Explore Partnership Agency opportunities in high school district.
- Get involved in FBLA, DECA, SAGE, YEP, or local Business Entrepreneurship Center. Job Shadow, Internship or Mentorship Activities. Service Learning, Work Based Learning or Community Service Activities. Participate in Mock Interviews, application workshops, college and career fairs/explore. Take the SAT, ACT, and college assessment tests.
- Get involved in YEP, SCORE, or local Business Entrepreneurship Center. Job Shadow, Internship, Work Experience, or Mentorship Activities. Service Learning, Work Based Learning or Community Service Activities. Participate in Mock Interviews, application workshops, college and career fairs/explore. Take the SAT, ACT, and college assessment tests.

### CTE Courses

<table>
<thead>
<tr>
<th>CTE Courses</th>
<th>Additional and Optional Courses</th>
<th>General Education Requirements</th>
<th>Occupations Relating to this Pathway</th>
<th>Careers requiring a high school diploma or equivalent</th>
<th>Careers requiring a BA / BS degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acct 110: Financial Acct</td>
<td>...For completion of Local AS/AA Degree (total units)</td>
<td>English composition</td>
<td>Math</td>
<td>Arts</td>
<td>Retail Salesperson</td>
</tr>
<tr>
<td>Acct 120: Managerial Acct</td>
<td>...For completion of Achievement Certificate (total units)</td>
<td>Electronics Technology</td>
<td>Accounting</td>
<td>Business Administration</td>
<td></td>
</tr>
<tr>
<td>Microeconomics and Macroeconomics</td>
<td>...For completion of Skills Certificate (total units)</td>
<td>Area A</td>
<td>Area B: Scientific Inquiry &amp; Quantitative Reasoning with 1 lab (9 units)</td>
<td>Area C</td>
<td>Arts &amp; Humanities (9 units)</td>
</tr>
<tr>
<td>Bus 12: Business Law or Bus 125: Legal Studies</td>
<td>Select 1 from: Business Calculus I, Statistics II, Finite Math</td>
<td>Critical Thinking</td>
<td>Life Sciences</td>
<td>Arts or Humanities (recommended foreign language)</td>
<td>Executive Assistant</td>
</tr>
<tr>
<td>Select 2 from:</td>
<td>1. Any course from above not selected</td>
<td>Area D: Social Sciences (units)</td>
<td>Area E: Lifespan Learning &amp; Self Development (3 units)</td>
<td>When course requirements are met in more than one area, i.e. double counted, students must complete additional transferable units to result in a cumulative total of 60 units.</td>
<td>Retail Manager/Management</td>
</tr>
<tr>
<td>Intro to Business # OR Business Communication</td>
<td>3. Intro to Business # OR Business Communication</td>
<td>Microeconomics or Macroeconomics</td>
<td></td>
<td></td>
<td>Business Other Instructor</td>
</tr>
</tbody>
</table>

### General Education Requirements

- English composition
- Mathematics
- Oral Communication
- Physical Science
- Social Sciences (units)
- Area A: English Language Communication & Critical Thinking (9 units)
- Area B: Scientific Inquiry & Quantitative Reasoning with 1 lab (9 units)
- Area C: Arts & Humanities (9 units)
- Area D: Social Sciences (units)
- Area E: Lifespan Learning & Self Development (3 units)
- US History
- Political Science (American Government)
- Critical Thinking
- Life Sciences
- Arts
- Humanities
- Executive Assistant
- Retail Manager/Management
- Business Other Instructor
- Commercial/Entrepreneur
- Office Manager
- Front Line Supervisor
- Security and Commodity Agent
- Customer Service Manager
- Cost Estimator
- Purchasing/Procurement Agent
- Marketing/Public Relations Representative

### Suggested Majors
- Business Administration
- Information Technology
- Accounting
- Marketing
- Human Resources
- Supply Chain Management

### Industry Sector: Finance and Business

### Career Pathway: Business Management

### Comments:
- Prerequisite requirements may vary by school and may alter the sequence of courses above.
- This template is based upon requirements for CSU transfer pattern and assumes that all basic skills (remedial) coursework is completed. Courses with an emphasis in Business are recommended when they are CSU transferable.
- Where there are course numbers identified, the course number references the CID course. Course content for these courses may be found at www.c-id.net/descriptors. Per Title 5, students may only receive credit for articulated high school work upon completion of a credit by exam mechanism that ensures that the objectives of the community college course have been met. Completion of an articulated course in high school does not guarantee receipt of credit at the community college.
Programs of Study include

• High School Courses
• College Coursework: C-ID Course numbers
• CTE transition activities:
  – Articulation
  – Dual Enrollment
  – Concurrent Enrollment
• College Activities
• Occupations specific to discipline
• Certifications, Degrees, Outcomes
Articulation Templates

- SCP convenes faculty to develop templates
- Articulation templates facilitate articulation discussion
- Local agreements also housed in online repository

Local agreements are generated based on approved templates between a secondary school and a post-secondary institution, usually a community college.
Articulation Agreements

• Similar components to a course outline of record:
  – Course description
  – Prerequisite
  – Course Content
  – Competencies and Skills requirements
  – Measurement Methods
  – Sample Textbook
  – End of Course assessment detail is key piece
Credit By Exam (CBE)

• Articulation
  – Only waives local requirements – pre/corequisites, placement, etc.
  – Does **not** earn college credit – but can be the basis for allowing credit by exam (CBE)

• Credit By Exam (CBE)
  – Students complete proficiency/mastery exam for college credit.
  – Evaluation must be developed by appropriate faculty
  – Evaluation may be proctored

• Process and procedures must be clear
C-ID and CTE

• C-ID
  – Course Identification Numbering System
  – Descriptors describe courses

• Transfer Model Curricula in CTE
  – “TMC”
  – 60 + 60 – response to SB 1440

• Model Curricula
  – Certificates
  – “Terminal” degrees
Online Counselor Tool

- Developed as a result of counselor feedback
- Programs of Study are the foundation of the tool
- Launch in late fall
- Ability to obtain student pathways data and report to CalPASS+
- Online Counselor Tool
- Provides students a plan for college
We serve students who will have seven to nine careers, intelligent pathway design prepares them for this.

Intelligent pathway design instills:
- Making use of and adding value to all academic and professional experience, where possible
- Maximizing student options versus narrowing them by developing both general and specialty skills
- Foundation skills first
- Effective and available support services
- Meaningful credentials that stand on their own
Questions

• Thank you

• http://www.statewidepathways.org

• http://whodouwant2b.com/student/pathways

• http://www.asccc.org/

  – For papers and this presentation
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