# Developing a Road Map for Student Success

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



- 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
- SB 70 (2005) Education Code § 88532.
- Improving linkages and CTE pathways between HS and CCC

#### Statewide Career Pathways Project

- SB1070 (2012), Education Code § 88532.
- 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

							Industry Sector: Finance and Business Career Pathway: Business Management					
Levels	Grade	CTE Courses	English Language Arts	Math	Social Science	Science	Other Required Courses or Recommended Electives		Dual and/or Concurrent Enrollment	Articulated Courses (College Credit for HS Classes)	\$;e	
	9	Business Basics OR Business Computer Applications	English	Algebra I (UC Approved Business Algebra1 recommended)		Physical Science	Physical Education	Digital Literacy i				
		ded 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. P career fairs/exploration activities. Explore Partnership Academy opportunities in high school district.							Participate in Mock Interviews, Application		This template assumes students have completed high school exit	
S e	10	Intro to Business Concepts OR Financial Literacy	English	Math Recommended: Geometry	World History	Biological Science	Physical Education				exams and basic skills coursework. Local graduation requirements may vary.	
с о		ded activities: Get involved in FBLA, DECA, SAGE, YEP, SCORE, or local Business Entrepreneurship Center. Job Shadow, Internship or Mentorship Activities. Service Learning, Work Based Learning or Community Servic /iews, application workshops, career fairs/activities. Take the PSAT. Explore CTE course opportunities.								vities. Participate in	Legend:	
n d a	11	Accounting I #, International Business, Finance, or VE#	English (Recommended UCIntegrated Marketing and English	Recommend UC Business Algebra II	US History			<ul> <li>Office Occupations,</li> <li>Forensics, or Electronic</li> <li>Communications</li> </ul>	★ Business Information Systems or Computer Skills or Business Math	Accounting I Virtual Enterprise (articulates with Intro to Business)	Course is recommended by industry experts	
r y		nded activities: Get involved in FBLA, DECA, SAGE, YEP, SCORE, or local Business Entrepreneurship Center. Job Shadow, Internship Work Experience, or Mentorship Activities. Service Learning, Work Based L Organizations (Rotary Interact). Participate in Mock Interviews, application workshops, college and career fairs/exploration. Take the SAT, ACT, and college assessment tests.							Based Learning or Comn		Course is articulated, see comments below.	
	12	Accounting II # , VE#, Small Business Management, Entrepreneurship, or Business and Financial Management	(Recommend English Course or Senior Project)	Recommend UC Business Statistics	Government(semester) Economics (semester)		AP Psychology or AP Economics	<ol> <li>Global Business, Computer Literacy, Business Law, or Financial Sales &amp; Service</li> </ol>	★ Intro to Business OR Business Communication OR Statistics OR Economics	Accounting II Virtual Enterprise (articulates with Intro to Business)	Course may be taken via concurrent or dual enrollment	
	Activities/O	led activities: 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 anizations (Rotary Interact). Participate in Mock Interviews, application workshops, college and career fairs/exploration. Take the SAT, ACT, and local community college placement tests in Mathematics and English, Meet with comm							with community	2 Indicates a course that may satisfy multiple requirements		
college counselor to deveop an educational plan. Get involved in the CEO club.         CTE Courses       Additional and Optional Courses       General Education Requirements       Occur									Occupations Relatin	g to this Pathway		
		Acct 110:Financial Acct Acct 120:Managerial Acct	For completion of Local AS/AA Degree (total Units)	For completion of Achievement Certificate (total units)	For completion of Skills Certificate (total Units)	Area A English Language Communication & Critical Thinking (9 units)	Area B- Scientific Study & Quantitative Reasoning with 1 lab (9 units)	Area C Arts & Humanities (9 units)	Careers requiring a high school diploma or equivalent		Careers requiring a BA / BS degree	
	13 14 15	Microeconomics and Macroeconomics			05	English composition	Mathematics ②	Arts	Retail Salesperson Office Receptionist Oustomer Service Representative Bank Teller Accounting Clerk Cashier Entrepreneur Administrative Assistant Careers requiring some post secondary		Business Sales Representative Corporate Trainer Risk Management Specialist HR Specialist or Management	
Р		Bus 12: Business Law or Bus 125: Legal Environments				Oral Communication	Physical Science	Humanities			General Operations Management Sales and Marketing Management Enterprise Management Credit Analyst	
O S T S E C O N D A R Y		Select 1 from: Business Calculus	n!	KE	20	Critical Thinking	Life Sciences	Arts or Humanities (recommended foreign language)			Financial Advisor Commercial Lender Managememt Consultant Operations and Supply Chain Manager	
		Statistics Finite Math	UN	50		Area D Social Sciences (9units)	Area E Lifelong Learning & Self Development (3 units)	When course requirements are counted for credit in	ts are Bookk	eper	Careers requiring a BA/BS + (beyond the scope of this template)	
		Select 2 from: 1. Any course frrom above not				US History	Any course in this area to meet requirements	area to meet requirements (recommended chology, Personal ting or any course	Retail Manager/Business Management Small Business Entrepreneur Loan Officer (with certification) Event Planner Insurance Agent (with certification) International Trade Occupations (with certification) E Commerce		Business or Other Instructor CEO/CPO/COO/COO/CO Public Relations Advertising Account Executive	
		selected 2. Business Information Systems OR Computer Skills 3 Intro to Business # OR				Political Science (American Government)	(recommended Psychology, Personal Finance, ethics, report				Certified Financial Analyst Auditor/Controller/Treasurer School Administrator	
		Business Communication				Microeconomics or Macroeconomics ②	writing or any course with a global theme.)				For students interested in attending a UC Campus, be aware that requirements meeting the CSU GE pattern <u>may vary</u>	
		Suggested Majors: Business Administration							Careers requiring 2 year degree		from IGETC GE requirements. Students are encouraged to consult college	
		Industry recognized certifications, Credentials, licenses, or apprenticeships related to this pathway ROP Certificate of Competencies, MOS or IC <sup>3</sup> Certification, Community College Skill or Achievement Certificates, A*S*K Institute Certifications, Keyboarding Certification (local high school), SAM Certification, Recognition by business organizations - DECA, YEP, FBLA, Rotary, or Virtual Enterprise. Additional certifications available via professional organizations								anager upervisor nmodity Agent	counselor for clarification.	
		Comments:									Counting School to College Articulation	

### **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

### Agreements

#### 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 <u>not</u> 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

## **Ideal Pathway Goals**

- 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
- <u>http://www.statewidepathways.org</u>
- <u>http://whodouwant2b.com/student/pathways</u>
- http://www.asccc.org/
  - For papers and this presentation



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