Texas Association of Community Colleges

Presentation to Joint Select Committee on Higher Education

November 18, 2003

Economic Impact of Community Colleges

- TACC and the Houston Endowment commissioned a study in 2001-2002 to be conducted by CCBenefits - both statewide and for all 50 college districts
- Major Findings
  - Total Economic Impact - $13.5 billion
  - Total Job Impact - 351,530
  - Return on Taxpayer Investment - 15.9 percent
  - Return on Student Investment - 26.1 percent
  - Savings from Avoided Costs - $276.3 million

Community College Strategic Planner (CCSP)

- TACC developed consortium to apply for federal Perkins funds from Coordinating Board
- Building on data collected for EIS, CCBenefits developed CCSP Model
- CCSP - Data Elements
  - Over 20 Databases
  - Bureau of the Census, Bureau of Economic Analysis, National Center for Education Statistics, Bureau of Labor Statistics, Dun & Bradstreet, eData, Woods & Poole, and others

CCSP - Major Elements

- Jobs by Industry
- Occupational Demand
- Curricula Demand
- Demographics
- Curricula Impact Analyst

CCSP - Jobs by Industry

Name	2002	2015	Change	Percent Change
Agriculture and Agriculture Services	14,806	19,024	4,218	28%
Mining	6,237	5,503	-734	-12%
Construction	61,721	82,886	21,165	34%
Manufacturing	97,426	117,965	20,539	21%
Transportation, communications, and utilities	29,776	40,707	10,931	37%
Wholesale trade	48,047	73,594	25,547	53%
Retail trade	143,445	190,308	46,863	33%
Finance, insurance, and real estate	76,382	98,211	21,829	29%
Services	308,963	471,896	162,933	53%
Government, except State and Local education and hospitals	143,242	158,639	15,397	11%

CCSP - Occupational Demand

Name	2002	2015	New Jobs	Replacement Jobs	Percent New & Rep.
Computer specialists	39,311	79,687	40,376	3,965	113%
Computer and information scientists, research	262	421	159	26	71%
Computer programmers	7,593	9,335	1,742	1,846	47%
Computer software engineers	12,364	28,621	16,257	871	139%
Computer software engineers, applications	6,235	15,047	8,812	455	149%
Computer software engineers, systems software	6,130	13,572	7,442	442	129%
Computer support specialists	6,175	15,313	9,138	286	153%
Computer systems analysts	5,495	10,204	4,709	533	95%
Database administrators	1,227	2,466	1,239	39	104%
Network and computer systems administrators	2,578	5,949	3,371	117	135%
Network systems and data communications analysts	1,555	3,326	1,771	65	118%
All other computer specialists	2,065	4,049	1,984	195	106%

CCSP - Curricula Demand

Name	2002	2015	Change in CHEs	Percent Change
Computer and Information Sciences, General	269,424	500,798	231,374	86%
Computer Programming/Programmer, General	289,248	530,713	241,465	83%
Computer Programming, Specific Applications	2,560	4,828	2,268	89%
Data Processing and Data Processing Technology/Technician	24,800	38,098	13,298	54%
Computer Systems Networking and Telecommunications	48,864	85,612	36,748	75%

CCSP - Demographics

Name	2002	2015	Change	Percent Change
White	769,339	802,106	32,767	4%
Black	105,221	127,647	22,426	21%
American Indian, Eskimo, and Aleut	8,093	8,785	692	9%
Asian and Pacific Islander	52,710	71,960	19,250	37%
White Hispanic	327,294	427,423	100,129	31%
Non-White Hispanic	15,961	28,207	12,246	77%

CCSP - Curricula Impact Analyst

- Allows colleges to match program offerings to job needs of new employers
- A college enters the number of expected jobs from a new employer
- CIA will produce curriculum impact by CIP codes for all of the coursework needed to support the employer