

**Agenda Materials  
Community and Technical Colleges  
Formula Advisory Committee (CTCFAC)  
for the 2020-2021 Biennial  
Appropriations**

October 2017

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## Agenda

**Meeting of the  
Community and Technical Colleges Formula Advisory Committee  
Texas Higher Education Coordinating Board  
Board Room, First Floor, 1.170  
1200 East Anderson Lane, Austin  
Thursday, October 12, 2017  
1:00 p.m.**

Agenda

- I. Call to Order
- II. Consideration and approval of the minutes from September 21, 2017, meeting
- III. Discussion, review, and consideration of the Commissioner's 2020-2021 Biennium charges
- IV. Planning for subsequent meetings
- V. Adjournment

## Prior Meeting's Draft Minutes

**Meeting of the Community and Technical Colleges Formula Advisory Committee  
Texas Higher Education Coordinating Board  
Board Room, First Floor, 1.170  
1200 East Anderson Lane, Austin  
Thursday, September 21, 2017  
10:00 a.m.**

### Minutes

Attendees: Mr. Chet Lewis , Dr. Cesar Maldonado, Dr. Van Miller, Mr. Patrick Lee, Mr. Richard Cervantes, Ms. Mary Wickland, Mr. Michael Reeser, Dr. Robert Riza, Dr. Pamela Anglin, Dr. Jeremy McMillen

Absent: Mr. Jim Yeonopolus, Dr. Ron Clinton and Dr. Phil Rhodes

THECB Staff: Mr. David Young, Dr. Julie Eklund, Mr. Thomas Keaton, Mr. Roland Gilmore, Ms. Jennifer Gonzales

Legislative Budget Board: Ms. Emily Schmidt

1. The meeting was called to order at 10:01 a.m.
2. The chair asked if there were any corrections to the minutes of the August 31, 2017, meeting. Correction was noted to change "Mr. Maldonado" to "Dr. Maldonado." Mr. Richard Cervantes motioned for approval of the minutes. The motion was seconded by Dr. Van Miller and unanimously approved.
3. Discussion of Charge 3 – is to study and make recommendations on the treatment of competency-based courses in formula allocations.
  - a. Dr. Julie Eklund presented on competency based education.
  - b. Dr. Eklund said Dr. Jennifer Nailos would be available at the October meeting to present information on CBE funding models utilized in other states.
4. Discussion of Charge 4 – Study and make recommendations on the efficacy of critical need fields as they relate to contact hour and success point funding.
  - a. Dr. Julie Eklund presented three options relating to charge 4.
    - I. Continue with current critical field methodology, but update outdated CIPs.
    - II. Align critical fields with occupations that are high demand, but low supply.
    - III. Eliminate critical fields from contact hour and success point funding.
  - b. Dr. Eklund was asked to speak about Fields of Study being considered as a potential success point in the future.

- I. Dr. Eklund commented on the option of adding Fields of Study to the Success Point Funding model.
5. Discussion of Charge 6 – Review existing Coordinating Board data on dual credit program funding, including preliminary data available from the 2017-2018 dual credit study being conducted by contracted research organizations, and share insight on current dual credit funding mechanisms.
  - a. Dr. Julie Eklund commented on dual credit funding and the Rand Report.
  - b. Dr. Eklund said researchers working on the RAND/AIR/THECB dual credit study would be available for questions on dual credit at the October meeting.
6. Discussion of Charge 1 – Study and make recommendations for the appropriate funding levels for the core, contact hour and student success funding.
  - a. Mr. Gilmore briefed the Committee on the funding projections contained in the agenda materials.
7. Discussion of Charge 2 – Study and make recommendations for the appropriate funding level for, and the refinement of, Texas State Technical College System’s returned value funding formula.
  - a. Mr. Reeser commented on the value-added formula.
8. Discussion of Charge 5 – Study and make recommendations on a new formula to fund dual credit programs based upon the number of semester credit hours offered in dual credit by Texas State Technical College. (General Appropriations Act, SB 1, 85th Texas Legislature, Rider 12 (page III-232))
  - a. Mr. Reeser recommended aligning funding for dual credit courses with the community colleges, which are funded based on contact hours.
9. The chair recommended the work groups continue their work preparing recommendations to the committee for the six charges.

The chair asked for a motion to adjourn. Dr. Robert Riza made the motion, the motion was seconded by Ms. Mary Wickland. The chair adjourned at 11:00 a.m. The committee will next convene October 12<sup>th</sup>, 2017, at 1:00 p. m.

Prepared by Roland Gilmore

## Commissioner's Charges

The Community and Technical College Formula Advisory Committee (CTCFAC), conducted in an open and public forum, is charged with proposing a set of formulas that provide the appropriate funding levels and financial incentives necessary to best achieve the goals of *60x30TX*. A preliminary written report of its activities and recommendations is due to the Commissioner by December 7, 2017, and a final written report by February 2, 2018. The CTCFAC's specific charges are to:

1. Study and make recommendations for the appropriate funding levels for the contact hour, core, and the student success funding. (TEC, Section 61.059 (b)).

"The board shall devise, establish, and periodically review and revise formulas for the use of the governor and the Legislative Budget Board in making appropriations recommendations to the legislature for all institutions of higher education, including the funding of postsecondary vocational-technical programs. As a specific element of the periodic review, the board shall study and recommend changes in the funding formulas based on the role and mission statements of institutions of higher education. In carrying out its duties under this section, the board shall employ an ongoing process of committee review and expert testimony and analysis."

2. Study and make recommendations for the appropriate funding level for, and the refinement of, Texas State Technical College System's returned value funding formula (General Appropriations Act, SB 1, 85th Texas Legislature, Rider 11 (page III-232)).

"The Texas State Technical College System shall continue to work with the Texas Higher Education Coordinating Board, the Legislative Budget Board and other relevant agencies to refine the new Returned Value Funding Formula for the TSTCs. It is the intent of the Legislature that recommended adjustments to the formula shall be ready for implementation in the 2020-21 biennium and shall further the goal of rewarding job placement and graduate earnings projections, not time in training or contact hours."

3. Study and make recommendations on the treatment of competency-based courses in formula allocations.
4. Study and make recommendations on the efficacy of critical need fields as they relate to contact hour and success point funding.
5. Study and make recommendations on a new formula to fund dual credit programs based upon the number of semester credit hours offered in dual credit by Texas State Technical College. (General Appropriations Act, SB 1, 85th Texas Legislature, Rider 12 (page III-232)).
6. Review existing Coordinating Board data on dual credit program funding, including preliminary data available from the 2017-2018 dual credit study being conducted by contracted research organizations, and share insight on current dual credit funding mechanisms.

Below is a link to the Rand Report on Dual Credit

[Dual Credit: Interim Report from THECB-RAND Study Posted for Public Comment](#)

## Community and Technical College Formula Advisory Committee for 2020-2021 Biennium

**Dr. Pamela Anglin, Chair**

Name/Title	Institution/Address	Email/Phone
<b><u>Institution Representatives:</u></b>		
<b>Mr. Chet Lewis</b> (2022) Vice Chancellor, Fiscal Affairs	San Jacinto College District 4624 Fairmont Parkway Suite 200 Pasadena, TX 77504	<a href="mailto:Chet.lewis@sjcd.edu">Chet.lewis@sjcd.edu</a> (281) 998-6306
<b>Dr. Cesar Maldonado, Ph.D., P.E.</b> (2022) Chancellor	Houston Community College 3100 main Houston, Texas 77002	<a href="mailto:cesar.maldonado@hccs.edu">cesar.maldonado@hccs.edu</a> (713) 718-5059
<b>Dr. Van Miller</b> (2022) Vice President for Administrative Services and CFO	Temple College 2600 South First Street Temple, Texas 76504	<a href="mailto:van.miller@templejc.edu">van.miller@templejc.edu</a> (254) 298-8606
<b>Mr. Patrick Lee</b> (2022) Department Chair and Professor of Mathematics	Alamo Colleges 1400 West Villaret Boulevard San Antonio, Texas 78224	<a href="mailto:plee18@alamo.edu">plee18@alamo.edu</a> (210) 486-3282
<b>Mr. Richard Cervantes</b> (2022) Vice President for Business and Finance	Blinn College 902 College Avenue Brenham, Texas 77833	<a href="mailto:Richard.Cervantes@blinn.edu">Richard.Cervantes@blinn.edu</a> (979) 830-4123
<b>Ms. Mary Wickland</b> (2020) Vice President for Finance	Lamar State College - Port Arthur PO Box 310 Port Arthur, TX 77641	<a href="mailto:wicklandma@lamarpa.edu">wicklandma@lamarpa.edu</a> (409) 984-6125
<b>Mr. Jim Yeonopolus</b> (2022) Chancellor	Central Texas College PO Box 1800 Killeen, TX 76540	<a href="mailto:JYeonopolus@ctcd.edu">JYeonopolus@ctcd.edu</a> (254) 526-1214
<b>Mr. Michael Reeser</b> (2020) Chancellor	Texas State Technical College System 3801 Campus Drive Waco, Texas 76705	<a href="mailto:mike.reeser@tstc.edu">mike.reeser@tstc.edu</a> (254) 867-4891
<b>Dr. Robert K. Riza</b> (2022) President	Clarendon College 1122 College Drive Clarendon, TX 79226	<a href="mailto:robert.riza@clarendoncollege.edu">robert.riza@clarendoncollege.edu</a> (806) 874-4808
<b>Dr. Pamela Anglin</b> (2020) President	Paris Junior College 2400 Clarksville Street Paris, TX 75460	<a href="mailto:panglin@parisjc.edu">panglin@parisjc.edu</a> (903) 782-0330
<b>Dr. Ron Clinton</b> (2018) Interim President	Northeast Texas Community College PO Box 1307 Mount Pleasant, TX 75456	<a href="mailto:rclinton@ntcc.edu">rclinton@ntcc.edu</a> (903) 434-8101
<b>Dr. Jeremy McMillen</b> (2020) President	Grayson College 6101 Grayson Drive Denison, TX 75020	<a href="mailto:mcmillenj@grayson.edu">mcmillenj@grayson.edu</a> (903) 463-8600
<b>Dr. Phil Rhodes</b> (2020) Vice President - Research, Effectiveness, and Information Technology	McLennan Community College 1400 College Drive, Admin. 410 Waco, TX 76708	<a href="mailto:prhodes@mclennan.edu">prhodes@mclennan.edu</a> (254) 299-8642

Charge 1 – Study and make recommendation for the appropriate funding levels for the contact hour, core, and the student success funding.

No recommendation at this time.

<b>Community College Success Points FY 2010-FY 2016</b>				
<b>Weighted</b>		1.00	0.50	0.50
Fiscal Year	Annual Weighted Total	Developmental Education Completion - Math	Developmental Education Completion - Reading	Developmental Education Completion - Writing
2010	918,344	32,564	15,830	12,464
2011	960,623	33,964	16,282	13,960
2012	961,795	28,053	15,465	12,493
2013	973,523	30,377	16,108	13,950
2014	1,010,668	24,581	14,002	13,434
2015	1,043,322	27,916	12,604	12,183
2016	1,092,857	36,336	16,333	14,720
<b>Total</b>	<b>6,961,131</b>	<b>213,791</b>	<b>106,623</b>	<b>93,203</b>

<b>Unweighted</b>				
Fiscal Year	Annual Unweighted Total	Developmental Education Completion - Math	Developmental Education Completion - Reading	Developmental Education Completion - Writing
2010	1,015,062	32,564	31,659	24,928
2011	1,050,993	33,964	32,564	27,919
2012	996,881	28,053	30,930	24,986
2013	1,001,274	30,377	32,216	27,900
2014	1,042,251	24,581	28,003	26,868
2015	1,066,791	27,916	25,207	24,366
2016	1,116,759	36,336	32,666	29,439
<b>Total</b>	<b>7,290,011</b>	<b>213,791</b>	<b>213,245</b>	<b>186,406</b>

<b>Community College Success Points FY 2010-FY 2016</b>				
<b>Weighted</b>	1.00	1.00	2.00	1.00
Fiscal Year	College Credit Attainment - 15 Hours	College Credit Attainment - 30 Hours	Transfer to a General Academic Institution (After completing 15 hours)	Gateway Courses - Math
2010	236,091	139,408	51,814	94,711
2011	232,032	145,119	55,242	101,947
2012	199,418	122,869	131,468	98,593
2013	198,003	122,827	132,932	97,582
2014	203,294	122,490	133,306	116,766
2015	203,172	123,676	138,560	119,647
2016	206,223	126,851	140,274	128,164
<b>Total</b>	<b>1,478,233</b>	<b>903,240</b>	<b>783,596</b>	<b>757,410</b>

<b>Unweighted</b>				
Fiscal Year	College Credit Attainment - 15 Hours	College Credit Attainment - 30 Hours	Transfer to a General Academic Institution (After completing 15 hours)	Gateway Courses - Math
2010	236,091	139,408	25,907	94,711
2011	232,032	145,119	27,621	101,947
2012	199,418	122,869	65,734	98,593
2013	198,003	122,827	66,466	97,582
2014	203,294	122,490	66,653	116,766
2015	203,172	123,676	69,280	119,647
2016	206,223	126,851	70,137	128,164
<b>Total</b>	<b>1,478,233</b>	<b>903,240</b>	<b>391,798</b>	<b>757,410</b>

<b>Community College Success Points FY 2010-FY 2016</b>					
<b>Weighted</b>	1.00	0.50	0.50	2.25	2.00
Fiscal Year	Gateway Courses - Math	Gateway Courses - Reading	Gateway Courses - Writing	Credentials Awarded - Critical Fields (Unduplicated Degrees, Core Completers or Certificates)	Credentials Awarded (Unduplicated Degrees, Core Completers or Certificates)
2010	94,711	98,904	77,352	41,769	117,438
2011	101,947	102,755	78,123	45,502	135,698
2012	98,593	90,427	77,694	46,809	138,506
2013	97,582	87,900	77,232	47,988	148,624
2014	116,766	97,155	79,484	49,671	156,486
2015	119,647	99,422	82,953	50,695	172,496
2016	128,164	100,435	84,731	50,099	188,692
<b>Total</b>	<b>757,410</b>	<b>676,997</b>	<b>557,566</b>	<b>332,532</b>	<b>1,057,940</b>

<b>Unweighted</b>					
Fiscal Year	Gateway Courses - Math	Gateway Courses - Reading	Gateway Courses - Writing	Credentials Awarded - Critical Fields (Unduplicated Degrees, Core Completers or Certificates)	Credentials Awarded (Unduplicated Degrees, Core Completers or Certificates)
2010	94,711	197,808	154,703	18,564	58,719
2011	101,947	205,510	156,245	20,223	67,849
2012	98,593	180,853	155,388	20,804	69,253
2013	97,582	175,800	154,463	21,328	74,312
2014	116,766	194,310	158,967	22,076	78,243
2015	119,647	198,843	165,905	22,531	86,248
2016	128,164	200,870	169,461	22,266	94,346
<b>Total</b>	<b>757,410</b>	<b>1,353,994</b>	<b>1,115,132</b>	<b>147,792</b>	<b>528,970</b>

## Current Fields Of Study

<a href="#">Architecture</a>	
<a href="#">Business</a>	
<a href="#">Communication</a>	
<a href="#">Computer Science</a>	
<a href="#">Criminal Justice</a>	
<a href="#">Engineering</a>	Expires Summer 2018
<a href="#">Chemical Engineering</a>	Effective Fall 2018
<a href="#">Civil Engineering</a>	Effective Fall 2018
<a href="#">Electrical Engineering</a>	Effective Fall 2018
<a href="#">Mechanical Engineering</a>	Effective Fall 2018
<a href="#">Engineering Technology</a>	
<a href="#">Mexican-American Studies</a>	
<a href="#">Music</a>	Expires Summer 2018
<a href="#">Music</a>	Effective Fall 2018
<a href="#">Nursing</a>	Expires Summer 2018
<a href="#">Nursing</a>	Effective Fall 2018

## **Proposed Fields Of Study**

Multi-/Interdisciplinary Studies, Other  
Psychology, General  
Registered Nursing, Nursing Administration, Nursing Research  
Criminal Justice and Corrections  
Business Administration, Management and Operations  
Health and Physical Education/Fitness  
Accounting and Related Services  
Biology, General  
Liberal Arts and Sciences, General Studies and Humanities  
Finance and Financial Management Services  
Marketing  
Business/Commerce, General  
Social Work  
English Language and Literature, General  
Communication and Media Studies  
History  
Agricultural Business and Management  
Computer and Information Sciences, General  
Sociology  
Fine and Studio Arts  
Health Services/Allied Health/Health Sciences, General  
Political Science and Government  
Communication Disorders Sciences and Services  
Mechanical Engineering  
Public Relations, Advertising, and Applied Communication

**Baccalaureate Graduates in the Top 25 Programs with 50 SCH  
(including dual credit) at Texas 2-year Colleges**

<b>Major</b>	<b>FY 2016</b>
Multi-/Interdisciplinary Studies, Other	2,877
Registered Nursing/Registered Nurse	1,328
Psychology, General	1,279
Accounting	893
Criminal Justice/Safety Studies	808
Kinesiology and Exercise Science	796
Business Administration and Management, General	770
Biology/Biological Sciences, General	704
General Studies	522
Finance, General	497
Marketing/Marketing Management, General	457
Business/Commerce, General	440
Social Work	410
English Language and Literature, General	368
History, General	335
Mechanical Engineering	250
Sociology	243
Communication, General	228
Computer and Information Sciences, General	220
Political Science and Government, General	216
Management Information Systems, General	191
Electrical and Electronics Engineering	159
Mathematics, General	154
Radio and Television	129
Economics, General	128

<b>FY 2016 Community College Reported Fields of Study</b>	
Discipline	Total
Business/Commerce, General	1586
Criminal Justice/Safety Studies	1031
Registered Nursing/Registered Nurse	268
Speech Communication and Rhetoric	145
Engineering, General	126
Music, General	117
Computer Science	107
Junior High/Intermediate/Middle School Education and Teaching	58
Kindergarten/Preschool Education and Teaching	10
<b>Grand Total</b>	<b>3448</b>

<b>Field of Study Award Recipients Who Also Completed the Core Curriculum or Earned an Associate's Degree</b>									
<b>Institution</b>	<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016</b>		
	<b>FOS</b>	<b>Core</b>	<b>Assoc.</b>	<b>FOS</b>	<b>Core</b>	<b>Assoc.</b>	<b>FOS</b>	<b>Core</b>	<b>Assoc.</b>
ALVIN	56	14	53	70	*	70	91	20	89
AMARILLO	216	92	141	161	59	98	216	41	134
BLINN	8	0	0	*	*	*	0	0	0
DEL MAR	111	50	90	64	38	50	77	16	67
GRAYSON	61	5	61	6	0	6	14	0	14
TRINITY VALLEY	20	*	*	16	0	8	9	*	*
HILL	19	12	*	*	*	*	*	*	*
KILGORE	72	14	72	48	13	48	75	14	75
LAREDO	9	*	9	*	*	*	*	*	*
LEE	0	0	0	6	*	6	6	5	*
MCLENNAN	96	34	43	129	42	60	116	30	52
PANOLA	18	*	9	8	*	*	6	*	*
TARRANT COUNTY	84	35	38	126	46	59	104	39	42
TYLER	192	137	7	195	130	9	188	129	7
DALLAS	192	120	192	243	177	241	264	176	262
EL PASO	381	233	373	411	202	409	434	313	434
LONE STAR	223	*	10	277	30	*	436	25	26
AUSTIN	340	29	57	454	49	103	212	63	108
COLLIN	169	85	119	227	129	166	267	158	195
SAN JACINTO	68	36	62	88	41	78	95	62	87
SOUTH TEXAS	572	72	553	863	114	837	836	123	800
<b>STATEWIDE</b>	<b>2,907</b>	<b>974</b>	<b>1,895</b>	<b>3,398</b>	<b>1,076</b>	<b>2,257</b>	<b>3,448</b>	<b>1,215</b>	<b>2,403</b>

Updated funding projection for the State Colleges.

<b>State Colleges Formula Funding Level Recommendation</b>		
<b>Instruction and Administration (in millions)</b>		
2018-2019 Contact Hours		3.85
Projected Growth Rate		0.31%
2020-2021 Contact Hours		3.86
2018-2019 Contact Hour Rate	\$	7.05
Inflation		1.74%
Recommended Increase	\$	0.12
2020-2021 Recommended Rate	\$	7.17
Percentage Increase		1.7%
2018-2019 Appropriations		
General Revenue	\$	27.2
General Revenue Dedicated	\$	8.4
Total Instruction and Operations	\$	35.6
2020-2021 Appropriations		
General Revenue	\$	27.7
General Revenue Dedicated Estimate with growth and inflation	\$	8.6
<b>2020-2021 Recommendation, Growth, Increases, and Statutory Tuition</b>		<b>\$ 36.3</b>
Recommended Increase	\$	0.7
Percent Increase		2.1%

<b>Space Support (in millions)</b>		
2018-2019 Appropriations	\$	6.3
2018-2019 Total Appropriated Rate (O&M + Utility)	\$	5.27
2018-2019 O&M Appropriated Rate	\$	3.10
2018-2019 Utility Appropriated Rate	\$	2.17
2018-2019 O&M Percentage		58.87%
2018-2019 Utility Percentage		41.13%
2018-2019 Predicted Square Feet		571,548
2018-2019 Adjusted Utility Square Feet		646,430
<b>Inflation</b>		1.7%
2020-2021 Recommended Total Funding Rate (with inflation)	\$	5.36
2020-2021 Recommended O&M Funding Rate (with inflation)	\$	3.16
2020-2021 Recommended Utility Funding Rate (with inflation)	\$	2.21
<b>Growth in Predicted Square Feet</b>		-2.8%
2020-2021 Projected Predicted Square Feet		555,617
2020-2021 Projected Adjusted Utility Square Feet		628,411
<b>Recommendation</b>		
2020-2021 O&M Recommendation	\$	3.5
2020-2021 Utility Recommendation	\$	2.8
<b>2020-2021 Recommendation with Inflation and Growth</b>	<b>\$</b>	<b>6.3</b>
Recommended Increase	\$	(0.1)
Percent Increase		-1.1%

<b>Small Institution Supplement (in millions)</b>		
2018-2019 Small Institution Supplement	\$	2.3
<b>2020-2021 Recommendation (2 Percent Headcount Growth)</b>	<b>\$</b>	<b>2.3</b>
Recommended Increase	\$	-
Percent Increase		0.0%

<b>Total Formula Funding (in millions)</b>		
2018-2019		
Instruction and Administration	\$	35.6
Space Support	\$	6.3
Small Institution Supplement	\$	2.3
Total	\$	44.1
<b>2020-2021</b>		
Instruction and Administration	\$	36.3
Space Support	\$	6.3
Small Institution Supplement	\$	2.3
<b>Total</b>	<b>\$</b>	<b>44.8</b>
Recommended Increase	\$	0.7
Percent Increase		1.5%

Charge 2 – Study and make recommendations for the appropriate funding level for, and the refinement of, Texas State Technical College System’s returned value funding formula (General Appropriations Act, SB 1, 85th Texas Legislature, Rider 11 (page III-232)).

**Projection**

Fiscal Year	Fall	Fall Predicted Square Feet (PSF)	Annual Percent Change	Annual Average CPI-U <sup>6</sup>
2001	2000	991,236		177.100
2002	2001	1,054,398	6.37%	179.900
2003	2002	1,166,900	10.67%	184.000
2004	2003	1,160,616	-0.54%	188.900
2005	2004	1,114,428	-3.98%	195.300
2006	2005	1,092,242	-1.99%	201.600
2007	2006	1,119,475	2.49%	207.342
2008	2007	1,075,384	-3.94%	215.303
2009	2008	1,135,503	5.59%	214.537
2010	2009	1,304,123	14.85%	218.056
2011	2010	1,285,586	-1.42%	224.939
2012	2011	1,191,031	-7.36%	229.594
2013	2012	1,084,176	-8.97%	232.957
2014	2013	1,097,899	1.27%	236.736
2015	2014	1,088,618	-0.85%	237.017
2016	2015	1,020,670	-6.24%	240.007
2017	2016	1,142,992	11.98%	245.208
2018	2017	1,148,612	0.49%	247.450
2019	2018	1,159,348	0.93%	250.044
2020	2019	1,164,787	0.47%	252.900
2021	2020	1,153,501	-0.97%	255.908
Biennial Average				254.4
Biennial Percent Increase			1.43%	1.74%
<b>Committee Rates</b>			1.43%	1.74%

**Notes:**

1. Fiscal Year (FY) 2016 or fall 2016 values and earlier are actual. Later values are projected as indicated.
2. Space Projection Model, projected on a 10-year average percent change.
3. Annual Average Consumer Price Index data from Series Id: CUUR0000SA0, Non-Seasonally Adjusted U.S. City Average, All items, Base Period: 1982-84=100  
<ftp://ftp.bls.gov/pub/special.requests/cpi/cpi.txt> 'Last Updated: 2017-06-17

<b>Texas State Technical College System Formula Funding Level Recommendation 2020-2021</b>		
<b>Total Formula Funding (in millions)</b>		
2018-2019		
Instruction and Administration	\$	126.0
Space Support	\$	13.1
Small Institution Supplement	\$	4.4
Total	\$	143.5
<b>2020-2021</b>		
Instruction and Administration	\$	161.5
Space Support	\$	13.2
Small Institution Supplement	\$	4.4
<b>Total</b>	<b>\$</b>	<b>179.1</b>
Recommended Increase	\$	35.6
Percent Increase		24.8%

<b>Instruction and Administration (in millions)</b>		
<b>2018-2019 Appropriations</b>		
Returned Value (2009-2010 Cohort)	\$	340.2
Returned Value Percent Funded		27.6%
General Revenue	\$	94.0
General Revenue Dedicated	\$	32.0
Total	\$	126.0
<b>2020-2021 Appropriations</b>		
Returned Value for the 2020-2021 biennium (Estimated)	\$	370.0
Returned Value Percent Funded 2016-2017 Biennium		35.0%
General Revenue	\$	129.5
General Revenue Dedicated (Same as 2018-2019)	\$	32.0
<b>2020-2021 Recommendation with Inflation, Growth, Increases, and Statutory Tuition (Returned Value x Recommended Ratio)</b>		
	<b>\$</b>	<b>161.5</b>
Recommended Increase	\$	35.5
Percent Increase		28.2%

<b>Space Support (in millions)</b>		
2018-2019 Formula Funding Before Legislature's Adjustments	\$	12.8
2018-2019 Leg. Adj. (Primarily for Fort Bend & North TX)	\$	0.4
2018-2019 Appropriation	\$	13.1
2018-2019 Total Appropriated Rate (O&M + Utility)	\$	5.27
2018-2019 O&M Appropriated Rate	\$	3.10
2018-2019 Utility Appropriated Rate	\$	2.17
2018-2019 O&M Percentage		58.9%
2018-2019 Utility Percentage		41.1%
2018-2019 Predicted Square Feet		1,142,992
2018-2019 Adjusted Utility Square Feet		1,309,648
<b>Inflation</b>		1.7%
2020-2021 Recommended Total Funding Rate (with inflation)	\$	5.36
2020-2021 Recommended O&M Funding Rate (with inflation)	\$	3.16
2020-2021 Recommended Utility Funding Rate (with inflation)	\$	2.21
Growth in Predicted Square Feet		1.4%
2020-2021 Projected Predicted Square Feet		1,159,349
2020-2021 Projected Adjusted Utility Square Feet		1,328,389
<b>Recommendation</b>		
2020-2021 O&M Recommendation	\$	7.3
2020-2021 Utility Recommendation	\$	5.9
<b>2020-2021 Recommendation with Inflation and Growth</b>	<b>\$</b>	<b>13.2</b>
Recommended Increase	\$	0.4
Percent Increase		3.2%

<b>Small Institution Supplement (in millions)</b>		
2018-2019 Small Institution Supplement	\$	4.4
<b>2020-2021 Recommendation</b>	<b>\$</b>	<b>4.4</b>
Recommended Increase	\$	-
Percent Increase		0.0%

Projection with Contact Hour Data

**Projections**

Fiscal Year	Fall	Fall Predicted Square Feet (PSF)	Annual Percent Change	Fiscal Year Dual Credit Contact Hours	Annual Percent Change	Annual Average CPI-U <sup>6</sup>
2001	2000	991,236				177.100
2002	2001	1,054,398	6.37%			179.900
2003	2002	1,166,900	10.67%			184.000
2004	2003	1,160,616	-0.54%			188.900
2005	2004	1,114,428	-3.98%			195.300
2006	2005	1,092,242	-1.99%			201.600
2007	2006	1,119,475	2.49%			207.342
2008	2007	1,075,384	-3.94%			215.303
2009	2008	1,135,503	5.59%			214.537
2010	2009	1,304,123	14.85%			218.056
2011	2010	1,285,586	-1.42%			224.939
2012	2011	1,191,031	-7.36%	706,346		229.594
2013	2012	1,084,176	-8.97%	658,638	-6.75%	232.957
2014	2013	1,097,899	1.27%	622,560	-5.48%	236.736
2015	2014	1,088,618	-0.85%	713,664	14.63%	237.017
2016	2015	1,020,670	-6.24%	737,699	3.37%	240.007
2017	2016	1,142,992	11.98%			245.208
2018	2017	1,148,612	0.49%			247.450
2019	2018	1,159,348	0.93%			250.044
2020	2019	1,164,787	0.47%			252.900
2021	2020	1,153,501	-0.97%			255.908
Biennial Average						254.4
Biennial Percent Increase			1.43%			1.74%
<b>Committee Rates</b>			1.43%			1.74%

**Notes:**

1. Fiscal Year (FY) 2016 or fall 2016 values and earlier are actual. Later values are projected as indicated.
2. Space Projection Model, projected on a 10-year average percent change.
3. Annual Average Consumer Price Index data from Series Id: CUUR0000SA0, Non-Seasonally Adjusted U.S. City Average, All items, Base Period: 1982-84=100  
<ftp://ftp.bls.gov/pub/special.requests/cpi/cpi.txt> 'Last Updated: 2017-06-17

**Texas State Technical College System Formula Funding Level Recommendation  
2020-2021**

**Total Formula Funding (in millions)**

2018-2019

Instruction and Administration	\$ 126.0
Space Support	\$ 13.1
Small Institution Supplement	\$ 4.4
<b>Total</b>	<b>\$ 143.5</b>

**2020-2021**

Instruction and Administration	\$ 161.5
Space Support	\$ 13.2
Small Institution Supplement	\$ 4.4

<b>Total 2020-2021 Recommendation</b>	<b>\$ 179.1</b>
---------------------------------------	-----------------

Recommended Increase	\$ 35.6
Percent Increase	24.8%

**Instruction and Administration (in millions)**

**2018-2019 Appropriations**

Returned Value (2009-2010 Cohort)	\$ 340.2
Returned Value Percent Funded	27.6%
General Revenue	\$ 94.0
General Revenue Dedicated	\$ 32.0
<b>Total</b>	<b>\$ 126.0</b>

**2020-2021 Appropriations**

Returned Value for the 2020-2021 biennium (Estimated)	\$ 370.0
Returned Value Percent Funded 2016-2017 Biennium	35.0%
General Revenue	\$ 129.5
General Revenue Dedicated (Same as 2018-2019)	\$ 32.0

**2020-2021 Recommendation with Inflation, Growth, Increases,  
and Statutory Tuition (Returned Value x Recommended Ratio)**

**\$ 161.5**

Recommended Increase	\$ 35.5
Percent Increase	28.2%

<b>Dual Credit Contact Hours (in millions)</b>	
2018-2019 Dual Credit Appropriations	\$ -
FY 2016 Contact Hours	737,699
2018-2019 Community College Contact Hour Rate (Bien.)	\$ 5.40
<b>Dual Credit Contact Hours Funded (in millions)</b>	<b>\$ 4.0</b>
Recommended Increase to be Determined by the FAC	
Percent Increase	NA

<b>Space Support (in millions)</b>	
2018-2019 Formula Funding Before Legislature's Adjustments	\$ 12.8
2018-2019 Leg. Adj. (Primarily for Fort Bend & North TX)	\$ 0.4
2018-2019 Appropriation	\$ 13.1
2018-2019 Total Appropriated Rate (O&M + Utility)	\$ 5.27
2018-2019 O&M Appropriated Rate	\$ 3.10
2018-2019 Utility Appropriated Rate	\$ 2.17
2018-2019 O&M Percentage	58.9%
2018-2019 Utility Percentage	41.1%
2018-2019 Predicted Square Feet	1,142,992
2018-2019 Adjusted Utility Square Feet	1,309,648
<b>Inflation</b>	1.7%
2020-2021 Recommended Total Funding Rate (with inflation)	\$ 5.36
2020-2021 Recommended O&M Funding Rate (with inflation)	\$ 3.16
2020-2021 Recommended Utility Funding Rate (with inflation)	\$ 2.21
Growth in Predicted Square Feet	1.4%
2020-2021 Projected Predicted Square Feet	1,159,349
2020-2021 Projected Adjusted Utility Square Feet	1,328,389
<b>Recommendation</b>	
2020-2021 O&M Recommendation	\$ 7.3
2020-2021 Utility Recommendation	\$ 5.9
<b>2020-2021 Recommendation with Inflation and Growth</b>	<b>\$ 13.2</b>
Recommended Increase	\$ 0.4
Percent Increase	3.2%

<b>Small Institution Supplement (in millions)</b>	
2018-2019 Small Institution Supplement	\$ 4.4
<b>2020-2021 Recommendation</b>	<b>\$ 4.4</b>
Recommended Increase	\$ -
Percent Increase	0.0%

Projection with Semester Credit Hour Data

**Projection**

Fiscal Year	Fall	Fall Predicted Square Feet (PSF)	Annual Percent Change	Fiscal Year Unweighted Semester Credit Hours	Annual Percent Change	Annual Average CPI-U <sup>6</sup>
2001	2000	991,236				177.100
2002	2001	1,054,398	6.37%			179.900
2003	2002	1,166,900	10.67%			184.000
2004	2003	1,160,616	-0.54%			188.900
2005	2004	1,114,428	-3.98%			195.300
2006	2005	1,092,242	-1.99%			201.600
2007	2006	1,119,475	2.49%			207.342
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2009	2008	1,135,503	5.59%			214.537
2010	2009	1,304,123	14.85%			218.056
2011	2010	1,285,586	-1.42%			224.939
2012	2011	1,191,031	-7.36%	31,151		229.594
2013	2012	1,084,176	-8.97%	29,355	-5.77%	232.957
2014	2013	1,097,899	1.27%	28,507	-2.89%	236.736
2015	2014	1,088,618	-0.85%	32,248	13.12%	237.017
2016	2015	1,020,670	-6.24%	31,999	-0.77%	240.007
2017	2016	1,142,992	11.98%			245.208
2018	2017	1,148,612	0.49%			247.450
2019	2018	1,159,348	0.93%			250.044
2020	2019	1,164,787	0.47%			252.900
2021	2020	1,153,501	-0.97%			255.908
Biennial Average						254.4
Biennial Percent Increase			1.43%			1.74%
<b>Committee Rates</b>			1.43%			1.74%

**Notes:**

1. Fiscal Year (FY) 2016 or fall 2016 values and earlier are actual. Later values are projected as indicated.
2. Space Projection Model, projected on a 10-year average percent change.
3. Annual Average Consumer Price Index data from Series Id: CUUR0000SA0, Non-Seasonally Adjusted U.S. City Average, All items, Base Period: 1982-84=100  
<ftp://ftp.bls.gov/pub/special.requests/cpi/cpiiai.txt> 'Last Updated: 2017-06-17

**Texas State Technical College System Formula Funding Level Recommendation  
2020-2021**

**Total Formula Funding (in millions)**

2018-2019

Instruction and Administration	\$	126.0
Space Support	\$	13.1
Small Institution Supplement	\$	4.4
<b>Total</b>	\$	<b>143.5</b>

**2020-2021**

Instruction and Administration	\$	161.5
Space Support	\$	13.2
Small Institution Supplement	\$	4.4

<b>Total</b>	\$	<b>179.1</b>
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Recommended Increase	\$	35.6
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Percent Increase		24.8%
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**Instruction and Administration (in millions)**

**2018-2019 Appropriations**

Returned Value (2009-2010 Cohort)	\$	340.2
Returned Value Percent Funded		27.6%
General Revenue	\$	94.0
General Revenue Dedicated	\$	32.0
<b>Total</b>	\$	<b>126.0</b>

**2020-2021 Appropriations**

Returned Value for the 2020-2021 biennium (Estimated)	\$	370.0
Inflation		1.7%
Returned Value Percent Funded 2016-2017 Biennium		35.0%
General Revenue	\$	129.5
General Revenue Dedicated (Same as 2018-2019)	\$	32.0

**2020-2021 Recommendation with Inflation, Growth, Increases,  
and Statutory Tuition (Returned Value x Recommended Ratio)**

**\$ 161.5**

Recommended Increase	\$	35.5
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Percent Increase		28.2%
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<b>Dual Credit Semester Credit Hours (in millions)</b>	
2018-2019 Dual Credit Appropriations	\$ -
FY 2016 Weighted Semester Credit Hours	40,897
2018-2019 Community College BAT Rate (Biennial)	\$ 79.56
<b>Dual Credit Semester Credit Hours Funded (in millions)</b>	
	<b>\$ 3.3</b>
Recommended Increase to be Determined by the FAC	
Percent Increase	NA

<b>Space Support (in millions)</b>	
2018-2019 Formula Funding Before Legislature's Adjustments	\$ 12.8
2018-2019 Leg. Adj. (Primarily for Fort Bend & North TX)	\$ 0.4
2018-2019 Appropriation	\$ 13.1
2018-2019 Total Appropriated Rate (O&M + Utility)	\$ 5.27
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2018-2019 O&M Percentage	58.9%
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2018-2019 Predicted Square Feet	1,142,992
2018-2019 Adjusted Utility Square Feet	1,309,648
<b>Inflation</b>	1.7%
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Growth in Predicted Square Feet	1.4%
2020-2021 Projected Predicted Square Feet	1,159,349
2020-2021 Projected Adjusted Utility Square Feet	1,328,389
<b>Recommendation</b>	
2020-2021 O&M Recommendation	\$ 7.3
2020-2021 Utility Recommendation	\$ 5.9
<b>2020-2021 Recommendation with Inflation and Growth</b>	<b>\$ 13.2</b>
Recommended Increase	\$ 0.4
Percent Increase	3.2%

<b>Small Institution Supplement (in millions)</b>	
2018-2019 Small Institution Supplement	\$ 4.4
<b>2020-2021 Recommendation</b>	<b>\$ 4.4</b>
Recommended Increase	\$ -
Percent Increase	0.0%

Charge 3 – Study and make recommendations on the treatment of competency-based courses in formula allocations.

No recommendation at this time.

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Competency-Based  
Education



Texas Higher Education  
Coordinating Board

CTC Formula Advisory Committee

October 12, 2017

Jennifer Nailos, EdD

Academic Quality and Workforce Division

## CBE ≠ TAB

- Several Texas Affordable Baccalaureate (TAB) programs incorporate Competency-Based Education as a delivery-mode
- Not all TAB programs are fully CBE
- Not all CBE programs are TAB

# What is CBE?

Competency-Based Education (CBE) allows students to progress towards completion, often at their own pace, as they demonstrate mastery – measured through authentic assessment – of a defined set of knowledge and skills.

CBE programs may be organized around traditional course-based units, but this is not required. A majority of the curriculum must include regular and substantive interaction with faculty.

# Elements of CBE

- Credit is awarded upon mastery of skill, not time spent in classroom
- Learning is self-paced
- Learning outcomes, skills, and content requirements are clearly defined
- Prior learning experiences and existing knowledge of students is recognized
- Assessments are linked to learning outcomes, skills, and content requirements
- Course-loads are based on the student's abilities and time
- *Note: Competency-based education can include an entire degree program or elements within a program.*

# Example CBE Programs

- National
  - Western Governor's University
  - University of Maryland University College
  - University of Wisconsin
- Texas
  - Austin Community College
  - South Texas College
  - Texas A&M University-Commerce

# Types of Enrollment Period

## Flexible Entry

- Clear start and end dates for academic terms/periods
- Unlimited number of courses

## Term-Based

- Clear start and end dates for academic terms/periods
- Set number of courses

## Self-Paced

- Time is variable according to individual student schedule
- Unlimited number of courses

# Types of Enrollment Period: Flexible Entry

	FALL SEMESTER	WINTER	SPRING SEMESTER	SUMMER SEMESTER
Course 1	█			
Course 2	█			
Course 3		█		
Course 4		█		
Course 5		█	█	
Course 6			█	
Course 7			█	
Course 8				█
Course 9				█
Course 10				█
Course 11				
Course 12				

- Once a course is completed, a student may enroll in additional courses during the academic term.

# Types of Enrollment Period: Term-Based

	FALL SEMESTER	WINTER	SPRING SEMESTER	SUMMER SEMESTER
Course 1	████████████████████			
Course 2	██████████████			
Course 3	████████████████████			
Course 4	██████████████			
Course 5		██████████		
Course 6			████████████████████	
Course 7			████████████████████	
Course 8			██████████	
Course 9			██████████████	
Course 10				████████████████████
Course 11				██████████
Course 12				██████████

- Students may accelerate during an academic term but cannot add additional courses. Enrollment follows established term schedules.

# Types of Enrollment Period: Self-Paced

	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
Course 1	█											
Course 2	█											
Course 3			█									
Course 4			█									
Course 5				█								
Course 6							█					
Course 7								█				
Course 8											█	
Course 9											█	
Course 10												
Course 11												
Course 12												

- Once a course is completed, a student may enroll in additional courses. Time is variable by individual student.

# Texas Landscape Updates

- Development of additional CBE programs
- Types of CBE programs
- Data collection and analysis at the institutions
- Reporting programs to THECB

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# National Landscape

- Information from Other States
- Accreditation, Federal, and Financial Aid requirements
- Experimental Sites

# National Landscape: Information from Other States

- Developing policies and funding structures
- Piloting programs
- Continuing education arms of institutions
- Align with SCH for funding purposes
- National organization – Competency-Based Education Network (C-BEN) developing Quality Standards, guiding documents, and national norms

# National Landscape: Accreditation, Federal Policy, and Financial Aid Requirements

- Accreditation
  - Regular and substantive faculty and student interaction
- Federal policy
  - Reauthorization of the Higher Education Act
- Financial Aid requirements: Title IV Funding
  - Establishing credit hour equivalencies
  - Regular and substantive faculty and student interaction
  - Prohibitions on paying Title IV aid for credit earned through Prior Learning Assessments (PLA)
  - Satisfactory academic progress
  - Accrediting agency review

# National Landscape: Experimental Sites

- Expansion of Competency-Based Education (CBE) Experiment
  1. Split Disbursement
  2. Satisfactory Academic Progress Only
  3. Subscription Period Disbursement
- Prior Learning Assessment (PLA), Competency-Based Education (CBE), Limited Direct Assessment (LDA) and Federal Work Study (FWS) for Near-Peer Counseling Experiments

# Funding Implications of CBE

- Reporting and monitoring processes may need to distinguish types of CBE programs
- Types of CBE programs will influence:
  - Course, program, and institutional alignment with Federal Financial Aid guidelines
  - State Formula Funding eligibility

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# Contact Information

Dr. Jennifer Nailos

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512.427.6218

Charge 4 – Study and make recommendations on the efficacy of critical need fields as they relate to contact hour and success point funding.

No recommendation at this time.

Charge 5 – Study and make recommendations on a new formula to fund dual credit programs based upon the number of semester credit hours offered in dual credit by Texas State Technical College. (General Appropriations Act, SB 1, 85th Texas Legislature, Rider 12 (page III-232))

No recommendation at this time.

Charge 6 – Review existing Coordinating Board data on dual credit program funding, including preliminary data available from the 2017-2018 dual credit study being conducted by contracted research organizations, and share insight on current dual credit funding mechanisms.

No recommendation at this time.

Below is a link to the Rand Report on Dual Credit

[Dual Credit: Interim Report from THECB-RAND Study Posted for Public Comment](#)

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Overview:  
THECB/RAND, AIR  
Study on Dual  
Credit Education  
in Texas



Texas Higher Education  
Coordinating Board

Holly Kosiewicz, Director of Policy Development  
Innovation and Policy Development

# Overview of Research

- Goals
  - To establish baseline data on dual-credit education programs in Texas
  - To develop targeted guidance on how to reform dual-credit policies and practices
- Research Partners
  - RAND Corporation: Phase I **COMPLETED IN AUGUST, 2017**
  - American Institutes for Research: Phase II **CURRENTLY UNDERWAY**
- Funders: College for All Texans Foundation
  - The Communities Foundation of Texas/Educate Texas
  - Greater Texas Foundation
  - Houston Endowment
  - The Meadows Foundation
- Reporting
  - July 2018: Draft Final Report for Public Comment
  - December 2018: Release of Final Report

## Phase I Key Findings



- Dual-credit students (prior to HB 505) had better college outcomes than high school graduates who did not take dual-credit courses.
- Dual-credit instruction and advising varied across colleges and universities.
- Prior to HB 505, disparities in dual-credit participation rates persisted across student demographic groups.
- Little evidence that taking DC courses was less efficient than taking college-credit only courses

## Phase II Research Questions



### Research Questions, 1-3

1. To what extent did dual-credit education, in and of itself, improve achievement outcomes among participating students prior to HB 505?
2. Why do racial and income disparities in dual-credit course taking exist and persist?
3. Are there systematic differences in curricula, course content, assessment methods and standards, and/or teaching approaches between dual-credit and college-credit-only courses?

## Phase II Research Questions



### Research Questions, 4-6

4. What are the most effective ways to improve dual-credit advising to reduce the total number of semester credit hours a dual-credit student earns toward a college degree?
5. What are the financial costs of administering dual-credit programs? ★
6. Are institutions expanding dual-credit programs in response to HB 505? If so, which students are gaining access to dual-credit education, and are they still benefiting?

## Questions about the study?

### **Principle Investigator**

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### **Co-PI**

Holly Kosiewicz, Ph.D.

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(512) 427-6542

Project Webpage: [www.theccb.state.tx.us/dualcreditstudy](http://www.theccb.state.tx.us/dualcreditstudy)

This document is available on the Texas Higher Education Coordinating Board  
Website: <http://www.thecb.state.tx.us/formulafunding>

**For more information contact:**

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