2015
Annual Program Review

Building Codes Technology

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Section 1: Program Planning:

Internal Analysis

Enrollment and FTES:
Enrollments have been showing a downward trend from 11-12. However, there has been an increase over the past year by 16% from 249 to 289.

Efficiency (FTEF/30 and fill rates):
The efficiency indicators have shown an increase over the past three years in WSCH/FTEF and fill rates.

Student Demographics:
The majority of the population has been male. Over 60% of the program population is over the age 40. Additionally, Asian/Pacific Islander and white non-Hispanic make up over 70% of the program headcount.

Success:
The rate of success has shown a major positive increase over the past three years by 7%.

Retention:
The rate of retention is continually high at over 90%.

Persistence in Subject:
The rate of persistence was between 23%-27% over the past two years.

Awards (Degrees and Certificates):
There has been an increase from 12-13 to 13-14 in degrees conferred from 10 to 30. These are declined from 11-12 when there was 53 conferred.

Market Assessment

The department meets with the advisory board online and in- person on a bi-annual basis. In 2014-2015, in reviewing market trends are a continued demand for building code technicians, especially with the ongoing retirement of the current workforce. This information was based on anecdotal data across two regions in Orange County.

Table 1.1 Program Review Data for Building Codes Technology

Academic Year	2011-12	2012-13	2013-14
ENROLLMENT	388	249	289
FTES:	39	25	30
FTEF30:	1.3	0.8	0.9
WSCH/FTEF:	498	519	544
Fill Rates:	74.6%	80.7%	93.0%
FALL TO SPRING PERSISTENCE WITHIN SUBJECT			
Fall-to-Spring:	29	9	13
F-to-S Persistence:	42%	23%	26%
DEGREES AND CERTIFICATES			
Certificates:	42	6	23
Associate Degrees:	11	4	7

STUDENT DEMOGRAPHICS			
GENDER			
Female:	20.9%	22.5%	26.3%
Male:	78.6%	77.1%	72.3%
Unknown:	.5%	.4%	1.4%
AGE at TERM			
Less than 19	.8%	.8%	.0%
20 to 24	2.6%	2.0%	9.7%
25 to 29	8.8%	13.3%	8.7%
30 to 34	8.8%	8.0%	4.2%
35 to 39	8.2%	8.4%	8.7%
40 to 49	34.3%	30.1%	27.0%
50 and Older	36.6%	37.3%	41.9%
RACE/ETHNICITY			
African American:	3.1%	4.4%	5.2%
Asian/Pac Islander:	24.0%	36.9%	46.7%
Hispanic:	7.2%	7.2%	10.7%
Multiple Race:	12.4%	11.6%	6.9%
White:	44.8%	33.3%	30.1%
Unknown:	4.9%	6.4%	.3%

Table 1.2 Program Review Data for Building Codes Technology by Modality

Academic Year	2011-12	2012-13	2013-14
Total SUBJECT Enrollment	388	249	289
- Success Rate	77.3%	84.3%	84.1%
- Retention Rate	94.1%	94.4%	92.4%

SUBJECT ENROLLMENT, SUCCESS AND RETENTION RATES BY MODALITY			
Cable Enrollment	---	---	---
- Success Rate	0.0%	0.0%	0.0%
- Retention Rate	0.0%	0.0%	0.0%
Correspondence Enrollment	---	---	---
- Success Rate	0.0%	0.0%	0.0%
- Retention Rate	0.0%	0.0%	0.0%
Hybrid Enrollment	---	---	---
- Success Rate	0.0%	0.0%	0.0%
- Retention Rate	0.0%	0.0%	0.0%
Online Enrollment	225	123	111
- Success Rate	67.1%	82.1%	77.5%
- Retention Rate	92.0%	97.6%	90.1%
Telecourse Enrollment	---	---	---
- Success Rate	0.0%	0.0%	0.0%
- Retention Rate	0.0%	0.0%	0.0%
Traditional Enrollment	163	126	178
- Success Rate	91.4%	86.5%	88.2%
- Retention Rate	96.9%	91.3%	93.8%

COLLEGE ENROLLMENT, SUCCESS AND RETENTION RATES BY MODALITY			
Cable Enrollment	875	558	766
- Success Rate	58.4%	57.7%	50.5%
- Retention Rate	86.7%	79.7%	75.7%
Correspondence Enrollment	453	524	813
- Success Rate	56.5%	67.2%	77.6%
- Retention Rate	89.0%	81.5%	89.7%
Hybrid Enrollment	1,245	689	627
- Success Rate	72.9%	72.3%	66.2%
- Retention Rate	89.6%	89.8%	84.4%
Online Enrollment	23,260	22,827	25,551
- Success Rate	64.3%	62.0%	62.9%
- Retention Rate	87.0%	82.2%	81.2%
Telecourse Enrollment	10,657	9,664	15,993
- Success Rate	57.3%	53.7%	55.3%
- Retention Rate	87.8%	80.5%	82.8%
Traditional Enrollment	14,712	12,345	10,517
- Success Rate	81.9%	77.0%	77.6%
- Retention Rate	93.0%	90.1%	88.5%

Program Student Learning Outcome(s)

In spring 2015 the BCT faculty met at the All-College Meeting in a breakout discipline focused session to discuss the PSLO data. Through the discussions, the faculty determined that they needed to revise the standing certificates to better meet industry need and add one course in building code accessibility. This will be address in the upcoming comprehensive program review.

Progress on Forward Strategy Initiative(s)

Table 1.3 Progress on Forward Strategies

Initiative(s)	Status	Progress Status Description	Outcome(s)
Identify program-level outcomes	Completed	PLSOs were developed 2012-2013 and have been assessed on an annual basis and discussed/presented in program review.	In tandem with the advisory board interactions, we were able to suggest new courses and updated to program awards.
Develop marketing strategies to increase enrollments	Completed / Ongoing	Increased to attendance HS outreach programs and distributed newly designed brochures starting 2011-present.	Increased enrollment in BCT
Increase program emphasis on distance learning offerings	Completed / Ongoing	Approx. 60% courses were taught online which is up from 40%.	Enrollments are increasing online
Develop method for student tracking and data collection	Completed / Ongoing	Information is provided through the annual program review and measures on the KPI report.	Increase evidence –based planning and new initiatives for change.
Hire a full-time faculty member	Terminated	There is not a need at this point	

Section 2: Human Capital Planning

Staffing

Table 2.1 Staffing Plan

Year	Administrator	Management	F/T Faculty	Adjunct	Classified	Hourly
Previous year	Dean of CTE	-	-	6	-	-
Current year	Dean of CTE	-	-	6	-	-
1 year	Dean of CTE	-	-	8	-	-

Based on the data regarding demand for BCT coursers and the increase with enrollment, it is imperative that the department hire two more adjunct faculty members.

Professional Development

In 2014-2015 one faculty attended the annual IBCC conference to obtain relevant information on build codes and technology. This was funded through Perkins IV fund. It is anticipated that the department will continue to send faculty to the IBCC event. Additionally, the department is looking to send faculty to attend local trade shows related to building codes and the online teaching conferences by @1 and OEI in 2015-2016.

Section 3: Facilities Planning

Facility Assessment

Currently, courses are held at the Garden Grove Learning Center and online. At this point there are no apparent facility changes or needs.

Section 4: Technology Planning

Technology Assessment

Currently, the courses are currently taught in Coastline Seaport LMS. Future plans will have faculty trained in and offering courses in Canvas the new Coastline LMS.

Section 5: New Initiatives

Initiative: Expand the adjunct faculty pool to offer and teach more BCT courses online to lead to increased enrollments, graduates and transfers.

Describe how the initiative supports the college mission:
It will continue to provide new certificates and opportunities for success for CTE to meet demand of the industry.

What college goal does the initiative align with?

X Student Success
☐ Access, Persistence and Retention
☐ Innovation
☐ Partnerships
☐ Culture of planning, evidence and inquiry
X Growth and efficiency

What College planning document(s) does the initiative align with?

X Educational Master Plan
X Staffing
☐ Facilities
☐ Technology

What evidence supports this initiative?

☐ Learning Outcome (SLO/PSLO) assessment
X Internal Research (Student achievement, program performance)
X External Research (Academic literature, market assessment, audit findings, compliance mandates)

Describe how the evidence supports this initiative.
Based on increased enrollment and advisory board recommendations it would be essential to offer more courses online.

Recommended resource(s) needed for initiative achievement:
Hire two adjunct positions

What is the anticipated outcome of completing the initiative?
Increased enrollment and award completion

Provide a timeline and timeframe from initiative inception to completion.
On approval of PIEAC, Budget Committee and College Council, the position will be hired in July and trained in August in preparation for 2016-2017.

Section 6: Prioritization

Human Capital

Initiative	Resource(s)	Est. Cost	Funding Type	Health, Safety Compliance	Evidence	College Goal	To be Completed by	Priority
Expand the adjunct faculty pool to offer and teach more BCT courses online to lead to increased enrollments, graduates and transfers.	Adjunct faculty (2)		Ongoing	No	Internal and external research	Student Success; Growth and efficiency	Fall 2016	1