

Department Plan
Long Beach City College
Dept - Construction & Related Trades

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Mission: The mission of the Construction Trades Department is to provide entry level construction education. The faculty supports the college mission and vision to prepare students for the 21st century by providing current, and relevant instruction that will provide meaningful and vital employment opportunities in the construction industry.

Description: The construction trade department is made up by Carpentry and the Horticulture Programs. The program offers day and evening classes. The students that attend the morning classes are in a block format and the students are in class for twenty hours per week. The format is lecture/lab with one hour lecture and 4 hours lab. Horticulture is among the largest of California agricultural industries. Our program is hands-on, personalized to individualized needs, and prepares the student for entry-level positions in the horticulture industry, or transfer to a four year university.

Summary of Access, Productivity & Effectiveness: During the fiscal years 05-06 to 06-07, there was similar pattern in percentage drop in the success rate, retention rate, GPA, and completion rate. The drop is associated with economic pressures and recessionary trends. For the fiscal year 07-08 there was a noticeable increase in the percentages for the categories. One important factor to consider in the completion rate is the fact that many students in construction trades are interested in enhancing their skills by taking different courses. It is a common norm for Trade students to stop attending school before they complete their degree when a job is found. Based on the Success, Completion and Retention Rates From 08 to 2011 the percentage in the three categories is among the highest compared to the rest of the schools. With in the trades, the construction department has remained with in the highest percentage in the three categories.

Internal Conditions (see Help for list): Internal conditions include uncertain program budget as well infrastructural improvements of the facilities. At present time, we do not have adjunct faculty which has limited the ability to offer more classes. Classrooms need to be upgraded with overhead projection systems for more effective lecture presentations.

External Condition-Regulatory/Legislative Changes: Increase in student fees

External Condition- Grants Available: Capital outlay, VTEA Funding

External Condition- Accreditation: N/A

Recommendations:

External Condition- Advisory Committee Input: Each year, there is a program advisory committee which meets and advises on changes and improvements for the programs.

External Condition- Community Outreach/Partnership: The construction trades department participates in several industry trades shows and also industry contacts have helped build partnerships with industry and exposed students to employment opportunities. Department is involved with numerous community improvement projects throughout the city of Long Beach and surrounding communities.

External Condition- Industry & Labor Market Trends: The construction trade industry has moved towards the implementation of green technology.

External Conditions- Other : The construction trades has a working relations with Jordan high which offers students the opportunity for a concurrent enrollment program. Encroachment by other departments has hindered our ability to conduct and expand courses by reducing valuable class and lab space.

Faculty & Staff : The Construction & Related Trade department presently operates with three full time faculties and two instructional vocational technicians.

Names & Titles of Program Review Participants: Javier Rivera, Department Chair

Max Pena, Professor
Jorge Ochoa, Instructor
Thomas Hamilton, Instructional Vocational Technician
Brian Hastie, Instructional Vocational Technician

2009-2010 Accomplishments: The carpentry program received VTEA funding and the funds were used to purchase sustainable materials to build a "Green House". A collaboration between Carpentry/Horticulture, Electrical, Sheet Metal, Architecture, and H.V.A.C. programs participated in the construction of a 500 square feet field house, using sustainable and energy efficient materials and equipment. The field house is utilized to conduct certification classes in Home Energy Rating, weatherization, and other green technology certification classes.

2010-2011 Accomplishments: A partnership with the science department has been developed to enhance the outdoor gardens with the purpose of using them as a learning tool by the science and trade students.

Goal: Revise courses

Infuse green technology in the existing curriculum

Year: 2011 - 2012

Start Date: 09/28/2010

Goal Status: In Progress

Goal Priority: High

Rationale: Industry is changing and new technology and materials are now available that are changing the face of the construction industry.

Strategies: Revise the topic in the core classes and make necessary changes accordingly

Responsible Parties: X

Campus supported by this PCC

goal:

Specify if goal is for Associate's Degree

department or sub-area:

Other Area impacted by this Other

goal:

Level of Support Needed: Department

Goal: Green Technology Curriculum

Create courses which introduce sustainable materials and equipment to incorporate latest technology to our courses so that we stay current with industry standards.

Year: 2010 - 2011

Start Date: 09/28/2010

Goal Status: In Progress

Goal Priority: High

Rationale: To align current curriculum with industry standards

Strategies: Research industry trends and needs. Create courses that are relevant and in demand to meet the specific needs of industry.

Responsible Parties: Advisory

Campus supported by this PCC

goal:

Specify if goal is for Department/ Program

department or sub-area:

Level of Support Needed: Department

Related Resources Needed

* Resources Needed Name: funding

Inter-Level/ VP Level Group Pending

Decision:

Fiscal Year: 2010 - 2011

Duration: Both (i.e., initial & maintenance costs)

Estimated Cost: 35000.0000

Type of Resource 111000 - Academic FT Instructional

Requested:

Justification for Resource Industry demands that we go Green

Request:

Department Code: 095210 Carpentry

Related Goals**Board of Trustees' Goals 2009 - 2011**

* Measure and improve student success.

Educational Master Plan 2005 - 2010

* Learning

* Teamwork and Organizational Development

Superintendent-President Agenda 2009 - 2011

* Student Success

* Economic, Workforce Development, and Community Outreach

Goal: Expansion of Evening Program

Expand the evening course to include finish carpentry, home remodeling, and other trade related classes

Year: 2011 - 2012

Start Date: 02/08/2011

End Date: 01/10/2012

Goal Status: In Progress

Goal Priority: High

Rationale: To meet new energy efficiency requirements and to incorporate green technology products and to meet the needs of working professionals and home owners.

Strategies: Incorporate changes to existing courses

Responsible Parties: Faculty

Campus supported by this PCC

goal:

Specify if goal is for Certificate of Achievement

department or sub-area:

Name of sub-area, if Carpentry

applicable:

Level of Support Needed: Department

Goal: Increase success rate

Increase the numbers of certificates and degrees

Year: 2011 - 2012

Start Date: 09/20/2011

End Date: 05/31/2013

Goal Status: NEW

Goal Priority: High

Rationale: Coincide with college mission

Strategies: Work with the CTE lab in providing tutors and develop construction based technical training modules and activities. Enhance existing construction trades lab to include and introduce educational software, audio-visual, and related journals to enhance the learning atmosphere

Responsible Parties: Instructors

Campus supported by this PCC

goal:

Specify if goal is for Department/ Program

department or sub-area:

Other Area impacted by this Facilities

goal:

Level of Support Needed: School or VP

Goal: Technology

Incorporate technology in all the trade courses

Year: 2011 - 2012

Start Date: 01/17/2012

End Date: 12/17/2012

Goal Status: NEW

Goal Priority: High

Rationale: Meet the green industry and technological needs

Strategies: Incorporate Web-enhancement into all class offerings

Responsible Parties: Faculty

Campus supported by this PCC

goal:

Specify if goal is for Department/ Program

department or sub-area:

Other Area impacted by this Distance Learning

goal:

Level of Support Needed: Department