Academic Program Review

ACADEMIC YEAR	SPRING 2014	☐ Basic Skills ☐	☒ Career Technical Education (CTE)
PROGRAM	ELECTRICAL TECHNOLOGY		
DEPARTMENT	Department Industrial Technology		
DIVISION	Division Economic and Workforce Development		
SUBMITTER	ARTURO JUAREZ RODELO		

I. INSTITUTIONAL GOALS

INSTITUTIONAL GOAL **1**	**INSTITUTIONAL MISSION AND EFFECTIVENESS** – The College will maintain programs and services that focus on the mission of the College supported by data-driven assessments to measure student learning and student success.
INSTITUTIONAL GOAL **2**	**STUDENT LEARNING PROGRAMS AND SERVICES** – The College will maintain instructional programs and services which support student success and the attainment of student educational goals.
INSTITUTIONAL GOAL **3**	**RESOURCES** – The College will develop and manage human, technological, physical, and financial resources to effectively support the College mission and the campus learning environment.
INSTITUTIONAL GOAL **4**	**LEADERSHIP AND GOVERNANCE** – The Board of Trustees and the Superintendent/President will establish policies that assure the quality, integrity, and effectiveness of student learning programs and services, and the financial stability of the institution.

II. PROGRAM GOALS

A. PAST – EVALUATION OF PREVIOUS CYCLE OBJECTIVES/PROGRAM GOALS (SET IN PREVIOUS YEAR)

List your previous objectives/goals and associated Institutional Goals. All program goals must address at least one of the institutional goals.

PAST PROGRAM GOALS (Describe past program goals.)	INSTITUTIONAL GOAL(S) (Check all that apply.)

1	PAST PROGRAM GOAL #1	INSTITUTIONAL GOAL(S)
	Identify Program Goal from Last Program Review: Main focus with our Electrical students is always provide education that combines structure on the job training with classroom with the comprenhensive understanding and manipulative skills,technical knowledge and related trade information this will assure our students employers in the community,our programs will fit and meet the requirements of today technology.our certicate and degrees programs contribute to this finality. The Electrical Technology program is recognize by CA. Departament of Industrial Relations DAS on Work Experience programs and Continue Education.our past and future goals is to keep updated standards to achieve this recognize.	☒ 1 ☒ 2 ☒ 3 ☒ 4
	☒ Met ☐ Partially Met ☐ Not Met **Provide detail on any improvements/effectiveness and detail status on those not fully met:**	

| 2	PAST PROGRAM GOAL #2	INSTITUTIONAL GOAL(S)
	Identify Program Goal from Last Program Review: The Electrical Technology program is in the process of updating its curriculum developing new certificates of achievement curriculum update was recommended by the advisory committee based on Nationa Electrical Codes 2011 and new text book. We recommended to our students keep updated on codes and new regulations for to be competitives on they careers	☒ 1 ☒ 2 ☒ 3 ☒ 4
	☒ Met ☐ Partially Met ☐ Not Met **Provide detail on any improvements/effectiveness and detail status on those not fully met:**	

3	PAST PROGRAM GOAL #3	INSTITUTIONAL GOAL(S)
	Identify Program Goal from Last Program Review: Electrical Technology Program Structure are based on the National Electrical Codes and we used the last recent edition in all our programs curriculums	☒ 1 ☒ 2 ☒ 3 ☒ 4
	☒ Met ☐ Partially Met ☐ Not Met **Provide detail on any improvements/effectiveness and detail status on those not fully met:**	

Comments:

B. PRESENT – DATA ANALYSIS AND PROGRAM HEALTH

1. Summarize and analyze all disaggregated data by day, evening, gender, ethnicity, and distance education regarding enrollments, fill rates, productivity, completion, success, retention, persistence, and transfer (complete a, b, & c). ***Attach graphs or trend data***.

Program Enroll an Fill Rates by day and Evening
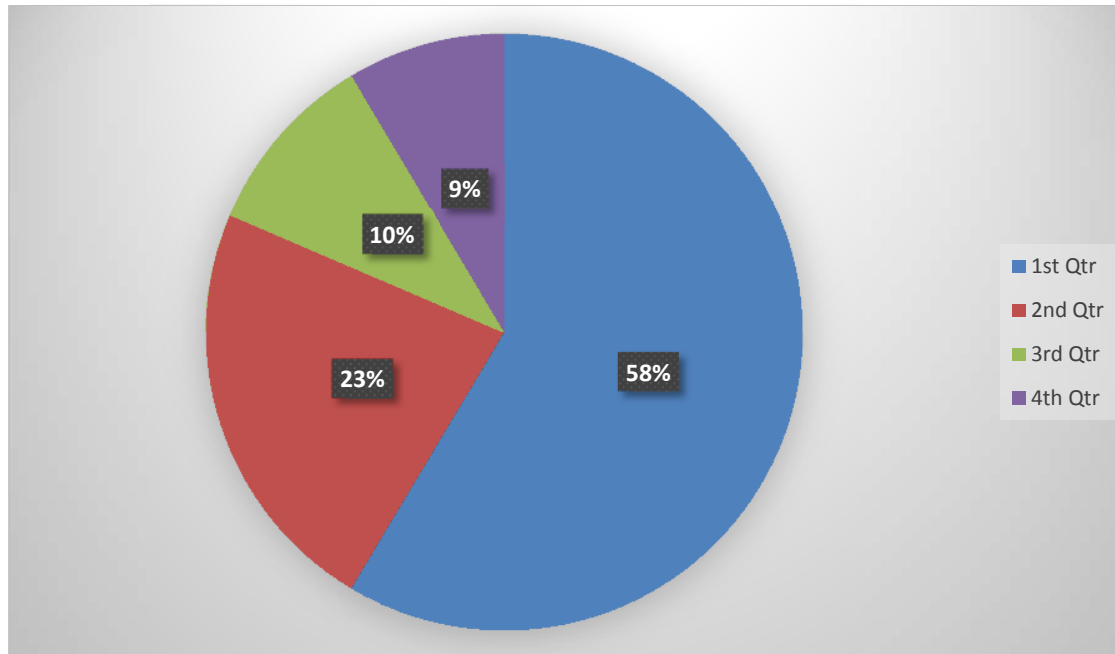
a. Discuss and chart the trends in enrollment and fill rate for each program by day and evening at the program level.
   1. Qt = 8.2   2. Qt = 3.2   3. Qt = 1.4   4. Qt = 1.2

Poor enrollment in some of our courses were the changes that made the college account department in regard to the debts that students with school,not register if he had debts of past semesters.was a critical experience. Also increase prices in text books, lease of books help little bit in that problem thanks.we expect to get better recluter in future semesters.

b. What are the trends in productivity? (WSCH/FTEF) The goal is 525 as per state guidelines. A low number means that we are below target levels for productivity. For example, in a small class that has a mandated cap of 15 students, the fill rate may be 100% but the productivity number (WSCH/FTEF) will be very low. A class with a cap of 40 students with a 100% fill rate will have a productivity number close to or above 525.

The guidelines is not applicable because, in college our trades where the average cap is 15 is necessary to take a reference to reflect number more close to above 525. The minimum salary for electricians according to the U.S. Department of Labor was, $20.97 (2006-2012) and the median salary of $ 28.35 an hour or $ 58,970. Yearly .is very important area location because salary can reflect changes,also if the electrician change the status like Foreman, Journeyman,Engineer.

Other occupations and job opportunities are the following ,a)Computer,ATM,Office Machine Repairers,Construction Laborers and Helpers,Elevator Installers and Repairers Helpers,Electrical and Electronic Installers,Line Installers and Repairers, General Mantenance .

c. Discuss and chart the success and retention rates by day, evening (extended day), and online classes in each program and identify gaps.

	Fall 2012	fall 2012	Spring 2013	Spring 2013b	
	Credit	Credit	Credit	Credit	
	Retention rate	Success rate	Retention rate	Success rate	California Community Colleges
Imperial Total	88%	70.9 %	86.6 %	69.0 %	Credit Course Retention Success Rates
State Ca. Total	86.6%	70.6 %	85.9 %	69.8 %	

These numbers shown on the graph show changes due to the time of the crisis economic that affects the country, and the price per unit increased in community colleges,this effect as no doubt will have to be corrected in the future.

d. Discuss and chart the success and retention rates in each program and identify gaps for five ethnic groups. (African-American, White, all Hispanics, Other, Unknown).

SUCESS CHART BY ETHNICITIES
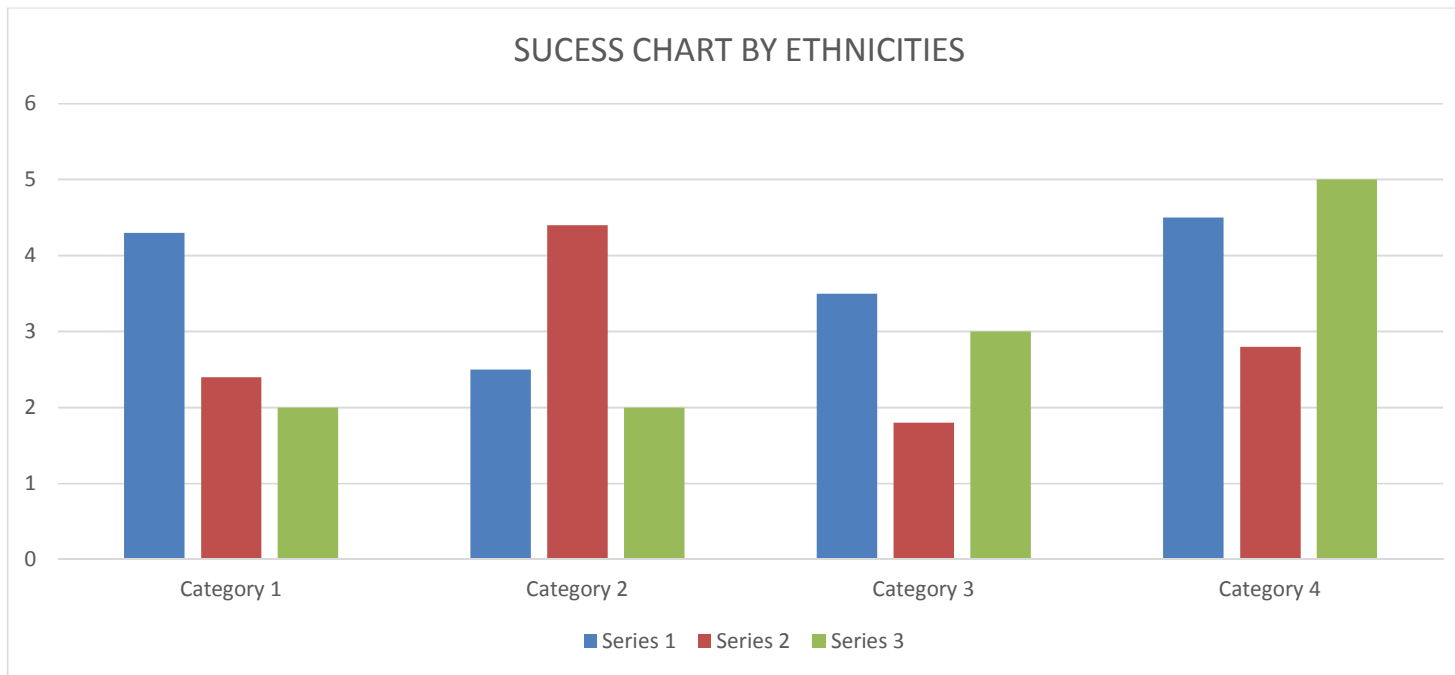
	Series 1	Series 2	Series 3
Category 1	4.3	2.4	2
Category 2	2.5	4.4	2
Category 3	3.5	1.8	3
Category 4	4.5	2.8	5

The population of the Ethnics groups in college have four variables and the the most popular are Hispanic and Whites, the College area location is the main reason of this phenomenon
Discuss the trends in the number of degrees or certificates awarded, if applicable. (You may be able to expand more about this in B.3 below.)
Certificate of achievement program designed for students with personal or occupational goals who wish early employment and qualify for the certificate and satisfy the courses requirements.

Associate Degree, required Courses;   BLDC 101,EWIR 11O,115,ELTR 120,140,WE201
This associate Degree if they want to have specialization in Electrical Wiring you must to take EWIR 125,135, and WE220
 If you want to have specialization in Electronics you must to take,ELTR 220,240,and WE220.
If you want to have specialization in Solar Energy you must to take EWIR 151,151,118,150,WE220.

e. What program changes, if any, will you recommend that you expect would have a positive effect on your students in your program, if applicable?

N/A

2. Summarize revisions, additions, deletions, or alternate delivery methods to courses and/or program based on the last program review.
Our last review program show a tendency to used update text and workbook editions base on NEC 2014 and increase our tech labor more deep on search NEC code changes and reviews with questions relatives to the Ca certified exam, that can help to our students to have an environmental more real,when they will complete the apprentice program, and be ready to present the exam.
The apprentice program with the local electrical companies help to our students to reach better experience on the job place
In 2014 we are planning to increase the articulation with the different local electrical construction companies for to fit our students

In these firms to complement he or she work experience.
In fall 2014 the new building shops will increase our practices capability because we will have more resources and space for to do
A better teach job with our students.

ENROLL & FILL RATES
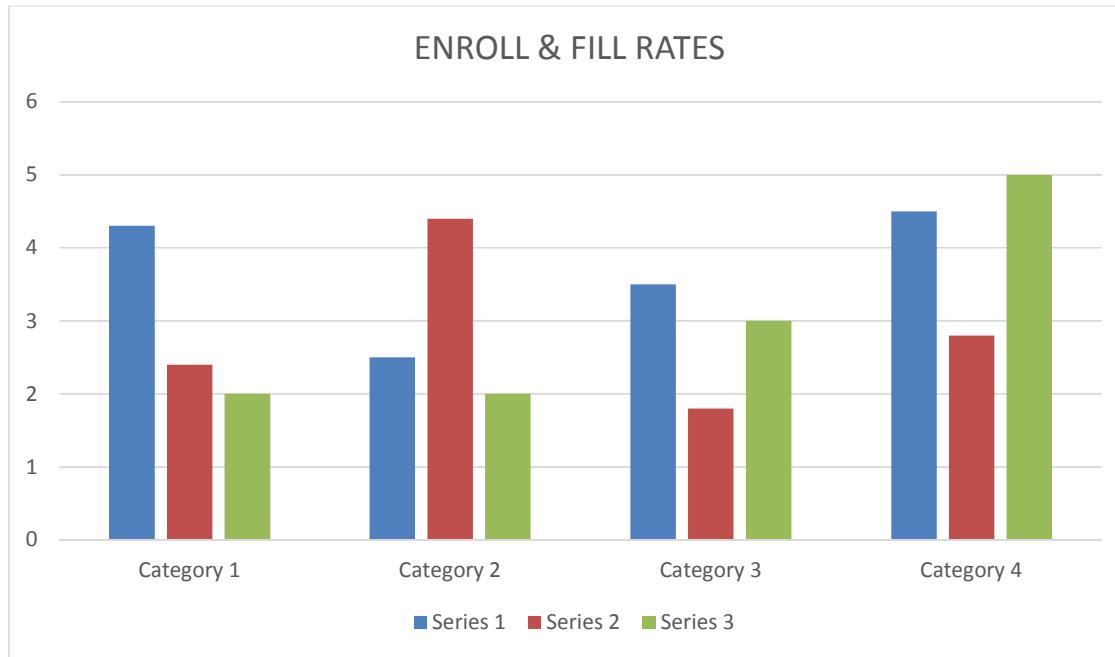
	Series 1	Series 2	Serie 3
Category 1	4.3	2.4	2
Category 2	2.5	4.4	2
Category 3	3.5	1.8	3
Category 4	4.5	2.8	5

3. Evaluate the program's viability by addressing program completion, size (FTES), projections (growing/stable/declining), and quality of outcomes. For CTE programs, also include labor market projections, placement, and performance on external testing/exams (i.e. ASE, NABCEP) and industry-recognized credentials, placement, and performance on external testing or exams (NCLEX, ASC, NAP). Programs allows students to comply with the requirements for certificates up to grade level once the students becames a State Certified Operator he or she qualify to seek employment an Industrial technology discipline any where in the state.or reach the opportunity to present the NABCEP entry level exam for became to the Solar Energy technology.The State Certified can be like Residential Electrician or a General Electrician.Labor market in the valley is not to easy and some of our students required to move out of town.

Job Opportunities

Electricians install and maintain electrical systems in home ,business amd Factories,work indoor and out in nearly in nearly every time of facility.almost all electrician work full time,which may include evenings and weekends.the median annual wage of electrician please see 1 b .

Job Outlook

The employment of electricians is projected to grow 20 % from 2014 faster than the average for all occupations.Home and Business require more wiring than ever before,and electricians will needed to install o repair the necessary equipment.

C. FUTURE – LIST OF "SMART" (Specific Measurable Attainable Relevant Time-limited) PROGRAM OBJECTIVES FOR NEXT ACADEMIC YEAR TO ADDRESS PROGRAM IMPROVEMENT, GROWTH, OR UNMET NEEDS/GOALS. ALL PROGRAM GOALS MUST ADDRESS AT LEAST ONE OF THE INSTITUTIONAL GOALS.

FUTURE PROGRAM GOALS (Describe future program goals. List in order of budget priority.)	INSTITUTIONAL GOAL(S) (Check all that apply.)

1	**FUTURE PROGRAM GOAL #1** Budget Priority #1	**INSTITUTIONAL GOAL(S)**
Identify Goal: Curriculum modification certificates of achievement completion		☒ 1 ☒ 2 ☒ 3 ☒ 4
Objective: Advisory Committee will assure curriculum modification by the integration of Local and National Regulations based on the NEC 2014 ,updating our curriculum will give to our student more knowledge and skills for reach better employment opportunities.		
Task(s): Learn to search correctly on the NEC to applied rules and codes on the worksite		
Timeline: Fall 2014		

EXPENSE TYPE	FUNDING TYPE		RESOURCE PLAN (Check all that apply.)	BUDGET REQUEST
☐ One-Time ☒ Recurring	☐ Categorical Specify:	☒ General Fund	☐ Facilities ☐ Marketing ☐ Technology ☒ Professional Development ☐ Staffing	$_____

2	FUTURE PROGRAM GOAL #2 Budget Priority #2	INSTITUTIONAL GOAL(S)

	INSTITUTIONAL GOAL(S)
Identify Goal: Text and workbooks to used in our programs wiil based on NEC 2014 edition for to have updated teach-technology in ours careers.	☒ 1 ☒ 2 ☒ 3 ☒ 4
Objective: Upon completion of the program a student will be capable for an Electrical job, NABCEP entry level exam,maintain electrical systems,work indoor or outdoor on electrical services,maintain in factories,cable company,telephone company and relative industries.	
Task(s): Maintain facilities with all industry standards procure used new hand and power tools in equipment operation under safe and efficient environmental	
Timeline: Fall 2014	

EXPENSE TYPE	FUNDING TYPE		RESOURCE PLAN (Check all that apply.)	BUDGET REQUEST
☐ One-Time ☐ Recurring	☐ Categorical Specify:	☐ General Fund	☐ Facilities ☐ Marketing ☐ Technology ☐ Professional Development ☐ Staffing	$_____

3	FUTURE PROGRAM GOAL #3 Budget Priority #3	INSTITUTIONAL GOAL(S)

	INSTITUTIONAL GOAL(S)
Identify Goal: Continue Partnership with advisory committee relative with the industry	☒ 1
	☒ 2
Objective: Liaison a strong partnership with electrical industry and articulate regional occupational centers ,continue advisory committee meetings and visit High schools,plan and organize field trips to construction site,shops and seminars	☒ 3
	☒ 4
Task(s): Reach a better chance of job openings, for our students in local industry.	
Timeline: Fall or Spring 2014	

EXPENSE TYPE	FUNDING TYPE		RESOURCE PLAN (Check all that apply.)	BUDGET REQUEST
☐ One-Time ☐ Recurring	☐ Categorical Specify:	☐ General Fund	☐ Facilities ☐ Marketing ☐ Technology ☐ Professional Development ☐ Staffing	$_____

	TOTAL BUDGET REQUEST	$_____

1. How will your enhanced budget request improve student success?
    N/A

Comments:

III. INSTITUTIONAL STUDENT LEARNING OUTCOMES (ISLOs)

ISLO 1	COMMUNICATION SKILLS
ISLO 2	CRITICAL THINKING SKILLS
ISLO 3	PERSONAL RESPONSIBILITY
ISLO 4	INFORMATION LITERACY
ISLO 5	GLOBAL AWARENESS

IV. PROGRAM LEARNING OUTCOMES (PLOs)

PROGRAM LEARNING OUTCOMES (Describe learning outcomes.)	ISLO(S) [Link PLO to appropriate ISLO(s).]

	PROGRAM LEARNING OUTCOME #1	ISLO(S)
PLO 1	**Identify Program Outcome:** Describe the purpose of the fundamental of electrical theory and the applications. **Measurable Outcome Summary:** Students learn the basic principles for to do a safe electrical job ,using testing procedures ,troubleshooring skills methods,students are tested and must demonstrate their competence in each of the ISLO's in all courses. ☒ Met ☐ Partially Met ☐ Not Met **Provide detail on any improvements/effectiveness and detail status on those not fully met:**	☒ ISLO 1 ☒ ISLO 2 ☒ ISLO 3 ☒ ISLO 4 ☒ ISLO 5

PLO 2	PROGRAM LEARNING OUTCOME #2	ISLO(S)
	Identify Program Outcome: Describe the type of skills needed to be an Electrical Technician	☒ ISLO 1 ☒ ISLO 2
	Measurable Outcome Summary: Students are tested and must demonstrate their competence in each of the ISLO's,all areas are touch in the courses many of the basic skills needed to succeed in the Electrical Industry are lerned in the classroom.the Technician must be highly skilled and well trained,they must be able to perform a wide variety of tasks,many students start their careers as Electrical Technicians and then move to other relative jobs always try to improve their skills and potential for reach a new better job.	☒ ISLO 3 ☒ ISLO 4 ☒ ISLO 5
	☒ Met ☐ Partially Met ☐ Not Met **Provide detail on any improvements/effectiveness and detail status on those not fully met:**	

PLO 3 exam	PROGRAM LEARNING OUTCOME #3	ISLO(S)
	Identify Program Outcome: complete, the work experience programs for to be capable to present the California State certification exam like Residential or General Electrician or NABCEP Entry level Exam.	☒ ISLO 1 ☒ ISLO 2 ☒ ISLO 3 ☒ ISLO 4
	Measurable Outcome Summary: The students require complete 4200 hrs as work experience to achieve the right to submit the certification of the California State Exam like Residential. General Electrician require to complete 8400 hrs as work experience to reach the right to the state exam.	☒ ISLO 5
	☒ Met ☐ Partially Met ☐ Not Met **Provide detail on any improvements/effectiveness and detail status on those not fully met:**	

***** ATTACH PLO/SLO GRID *****