

ANNUAL PROGRAM REVIEW SUMMARY for ELECTRONICS 07-08 Full Review Due: 13-14

MISSION: Does program meet the District's mission and established core competencies? Does program reflect the District's diversity?	Status					
	08-09	09-10	10-11	11-12	12-13	13-14
Current Recommendations						
a) Faculty members in the Department need to identify equipment, software and tools that must be updated or acquired on an annual basis in order to provide students with the latest technology.	I					
b) Continue to list the Electronics Program Certificates in the College Catalog and update to keep current.	C					
c) Utilize marketing and recruitment techniques to attract students in our District and to ensure that the District's diversity continues to be represented in the Electronics Program.	I					
d) Review and evaluate requirements for the Electronics major for the Associate of Science Degree (AS).	I					
e) Faculty should complete writing and begin assessment of student learning outcomes for all electronics courses.	I					
f)						
New Recommendations						

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NEED: How is program addressing needs based on labor market data, enrollment, articulation, advisory committee, regional agreements, etc.?	Status					
	08-09	09-10	10-11	11-12	12-13	13-14
Current Recommendations						
a) Faculty should continue to offer and design curriculum aimed at providing students with the knowledge and tools necessary to successfully pass industry exams.	I					
b) Faculty should continue to ensure that students understand the principles of basic electronics and can adequately perform industry job expectations.	C					
c) Faculty should continue to evaluate and revise class curriculum in order to adequately prepare students for employment, transfer and the FCC license.	C					
d) Faculty should actively participate in career days for local high schools.	I					
e) Revise Electronics classes to facilitate expansion of the program and meet the demands of the workplace.	I					
f) Initiate new contacts with the local business community and the advisory committee to provide input that will enhance the program.	I					
g) Electronics faculty should keep current with the needs of other programs to evaluate the impact and significance of electronics courses.	I					
New Recommendations						

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QUALITY: Are lec/lab unit values appropriate? Have the course outlines been reviewed/updated regularly? Are disciplines appropriate? Is faculty development adequate? Does program support State and District emphasis on critical thinking, problem solving and written expression? Does program meet stated objectives in the form of SLOs? Are course pre-requisites and co-requisites validated?	Status					
	08-09	09-10	10-11	11-12	12-13	13-14
Current Recommendations						
a) Electronics course descriptions should be reviewed and updated as needed.	I					
b) Faculty members should develop and integrate student learning outcomes into each course outline of record.	I					
c) Electronics course content should provide the student with standard skills required of an entry-level electronics technician as identified by the Electronics Industries Foundation.	C					
d) All class syllabi should include student learning outcomes, clear grading standards, attendance and test make-up policy, drop date, office hours, homework policy and general DSPS and FERPA statements.	I					
e) Electronics faculty should expand representation on the advisory council. The advisory council should include present and past students, community members and industry employers.	I					
f) Electronics faculty should update current degree requirements.	I					
New Recommendations						

FEASIBILITY: Are facilities, equipment, and library resources adequate? Are evening programs and services adequate? Are course offerings frequent enough for students to make adequate progress in both day and evening programs? Does the program have adequate communication with & support from Counseling?	Status					
	08-09	09-10	10-11	11-12	12-13	13-14
Current Recommendations						
a) Equipment and software needs to be continually updated to include latest technology.	I					
b) The Electronics Program needs to evaluate the development of new industrial certifications. The requirements for the FCC and CompTIA's, A+ and Net+ certification must be included in course curriculum.	C					
c)						
d)						
e)						
f)						
New Recommendations						

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COMPLIANCE: Do course requisites meet Federal, State & District requirements? Do the course outlines meet state, district & federal regulations for content? Do vocational programs have regular advisory meetings?	Status					
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Current Recommendations						
a) Faculty in Electronics review syllabi, course outlines, course prerequisites, and the long-range plan in respect to state and district requirements.	I					
b) Continue course review of the Electronics Program by faculty and the Advisory Committee to ensure relevancy to the needs of the business world and articulation with private universities and the California State University system.	I					
c)						
d)						
e)						
f)						
New Recommendations						

PROGRAM SLOs	Cycle Stage					
	08-09	09-10	10-11	11-12	12-13	13-14
1. Communication						
a) Students will articulate an understanding of electrical processes using proper terminology and engineering notation prefixes when describing numeric values orally or in written form.						
b) They will be able to analyze electronic parameter values for electronic devices from manufactures data sheets.						
c) They will be able to analyze electronic information from white papers, technical articles and other print media, and all forms of electronic media.						
2. Computation						
a) Students will apply math and algebra concepts to solve Direct Current circuit analysis problems.						
b) Students will apply math, algebra, and trigonometry concepts to solve Alternating Current circuit analysis problems.						
c) Students will be able to compute the value of variables into different number base values, such as Binary, Hexadecimal, Decimal, and Octal.						
3. Creative, Critical, and Analytical Thinking						
a) Students will solve circuit problems using critical thinking skills and understanding of component parameters.						
b)						
c)						
4. Community/Global Consciousness and Responsibility						

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a) Students will develop an understanding of the impact of electronics waste on the environment and the need for recycling.						
b)						
c)						

PROGRAM SLOs	Cycle Stage					
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5. Technology/information competency						
a) Students will be proficient at using meters/oscilloscope to measure electrical quantities in circuits.						
b) Students will demonstrate the proper used of scientific calculators and computers for circuit analysis and other applications.						
c) Students will be competent in the use of industry standard software used on computers.						
6. Discipline/Subject area specific content material						
a)						
b)						
c)						