

YEARLY PLANNING DISCUSSION TEMPLATE

General Questions

Program Name: ELECTRONICS TECHNOLOGY **Academic Year:** SPRING 2023

- Has your program mission or primary function changed in the last year?
 - *We are revamping the program and focusing on outreach to local high schools*

- Were there any noteworthy changes to the program over the past year? (eg, new courses, degrees, certificates, articulation agreements)
 - *We are offering more sections of classes*
 - *We are re-evaluating the full EL curriculum, course offerings, and prerequisites*
 - *Getting new, modern, and updated equipment*

Learning Outcomes Assessment

- Please summarize key results from this year's assessment.
 - *Basic entry level course curriculums significantly improved in quality and content*
 - *Emphasis on learning "hands-on" skills with all the lab equipment - power supplies, oscilloscopes, function generators*

- Please summarize your reflections, analysis, and interpretation of the learning outcome assessment and data.
 - *The emphasis in the classroom leans toward design and implementation. Each lab, the students are given design criteria and are able to build a project from conception to full fruition.*

- Please summarize recommendations and/or accolades that were made within the program/department.
 - *Update course curriculum to cover more modern topics in electronics*
 - *Update the lab facilities - get modern equipment, get rid of old equipment and junk in labs.*

- Please review and attach any changes to planning documentation, including PLO rubrics, associations, and cycles planning.
 - *None*

- Is your two-year program map in place and were there any challenges maintaining the planned schedule?
 - ***Two year map is currently being developed. Several changes to course materials, offerings, and topics are being modified and added.***

- Were there any staffing changes?
 - ***One new full time instructor.***

- What were your program successes in your area of focus last year?
 - ***Largest class retention rate in several years***
 - ***Updated basic circuits classes***
 - ***New excitement and enthusiasm with new students***
 - ***Development of new high-school program***

CTE two-year review of labor market data and pre-requisite review

- Does the program meet documented labor market demand?
 - ***It is taking significant steps in this direction. There is still much work to be done, but the program is quickly and effectively being updated.***

- How does the program address needs that are not met by similar programs?
 - ***This program has three main focuses - design, hands-on skills, and teamwork. There is an emphasis in working on a team to analyze an idea, engineer the circuit, and to build it by hand.***

- Does the employment, completion, and success data of students indicate program effectiveness and vitality? Please, explain.
 - ***Historically, this has been OK, but not great. We have taken massive steps forward in this area, but still have further to go.***
 - ***The basic circuit foundation classes and materials have been updated, but now we need to focus on updating and making the more specialized and concentrated courses up to date with modern technological demands.***

- Has the program met the Title 5 requirements to review course prerequisites, and advisories within the prescribed cycle of every 2 year for CTE programs and every 5 years for all others?
 - *Working on this*

- Have recommendations from the previous report been addressed?
 - *Working on this as well*

New Program Planning Initiative	
Title:	Supplies Needed For Basic Circuits Classes
Planning years:	Fall 2023
Description:	
<p>Here is a list of the equipment and materials we need to purchase for the classes that are going to be offered in the Fall 2023 Semester</p> <p><u>TOTAL COST: \$9768.90</u></p>	
Resources:	
<p>Priority Level: Low Medium High</p> <p>Resource Type: Equipment Staff Faculty Supplies and Materials</p> <p>Quantity: 100</p> <p>Per Item Price: \$6.45 Price with taxes/shipping, etc: \$645.00</p> <p>Description: 100 Banana-to-banana cables from Digikey. (50 red, 50 black) Needed for all classes</p> <p>https://www.digikey.com/en/products/detail/pomona-electronics/B-36-0/603355</p>	
Resources:	
<p>Priority Level: Low Medium High</p> <p>Resource Type: Equipment Staff Faculty Supplies and Materials</p> <p>Quantity: 100</p> <p>Per Item Price: \$5.86 Price with taxes/shipping, etc: \$586.00</p> <p>Description: 100 Banana to grabber cables from Digikey (50 red, 50 black) Needed for all classes</p> <p>https://www.digikey.com/en/products/detail/mueller-electric-co/BU-P1166-36-0/5448976</p>	

Resources:

Priority Level: Low Medium **High**

Resource Type: **Equipment** Staff Faculty Supplies and Materials

Quantity: 50

Per Item Price: \$3.89

Price with taxes/shipping, etc: \$194.50

Description:

BNC-to-BNC cables needed for all classes

<https://www.showmecables.com/by-category/cables/cables-audio-video/audio-video-bnc/rq6-bnc-patch-cable-male-male>

Resources:

Priority Level: Low Medium **High**

Resource Type: **Equipment** Staff Faculty Supplies and Materials

Quantity: 20

Per Item Price: \$209.99

Price with taxes/shipping, etc: \$4199.80

Description:

Digital logic development breadboards with built in power supplies, signal generators, switches and connectors. Needed for basic circuits courses.

https://sciencepurchase.myshopify.com/products/O1pad234a?variant=39970646065325¤cy=USD&utm_medium=product_sync&utm_source=google&utm_content=sag_organic&utm_campaign=sag_organic

Resources:

Priority Level: Low Medium **High**

Resource Type: **Equipment** Staff Faculty Supplies and Materials

Quantity: 30

Per Item Price: \$38.45

Price with taxes/shipping, etc: \$1153.50

Description:

Decade resistor boxes needed for basic circuits and digital classes.

https://sciencepurchase.myshopify.com/products/O1pad234a?variant=39970646065325¤cy=USD&utm_medium=product_sync&utm_source=google&utm_content=sag_organic&utm_campaign=sag_organic

Resources:

Priority Level: Low Medium **High**

Resource Type: **Equipment** Staff Faculty Supplies and Materials

Quantity: 30

Per Item Price: \$79.88

Price with taxes/shipping, etc: \$2396.40

Description:

Decade capacitor boxes needed for basic circuits and digital classes.

https://www.amazon.com/GME-CD-300-Capacitance-Capacitor-Substitution/dp/B06ZZK5DRF/ref=asc_df_B06ZZK5DRF/?tag=hyprod-20&linkCode=df0&hvadid=475805673032&hvpos=&hvnetw=g&hvrnd=5499605419157658127&hvpon=&hvptwo=&hvqmt=&hvdev=c&hvdvcml=&hvlocint=&hvlocphy=1014254&hvtargid=pla-1018334691569&psc=1

Resources:

Priority Level: Low Medium **High**

Resource Type: **Equipment** Staff Faculty Supplies and Materials

Quantity: 10

Per Item Price: \$59.37

Price with taxes/shipping, etc: \$593.70

Description:

Transformer demonstration boards needed for EL122/123

<https://www.amazon.com/Eisco-Labs-Step-Transformer-Demonstration/dp/B00UUBREY4>